

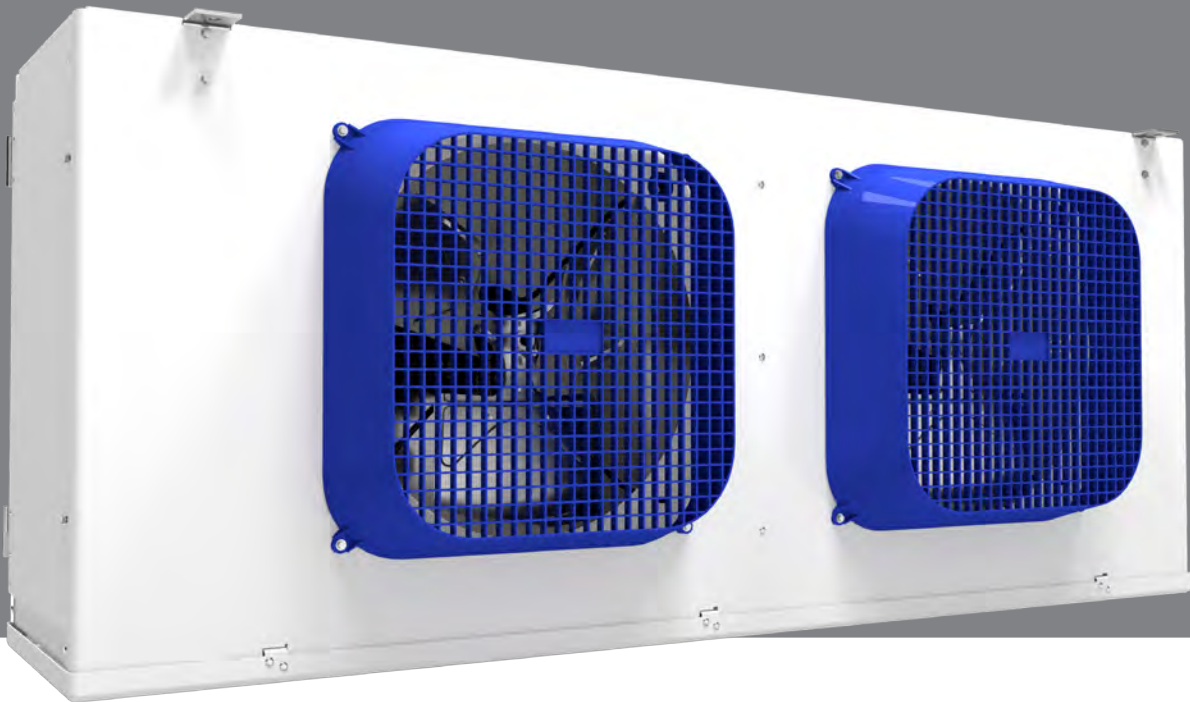


LK-MP | JULY 2025  
Replaces April 2025

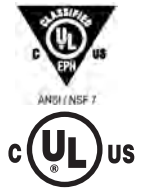
# MEDIUM PROFILE EVAPORATOR

---

Technical Guide  
Including models meeting DOE minimum AWEF

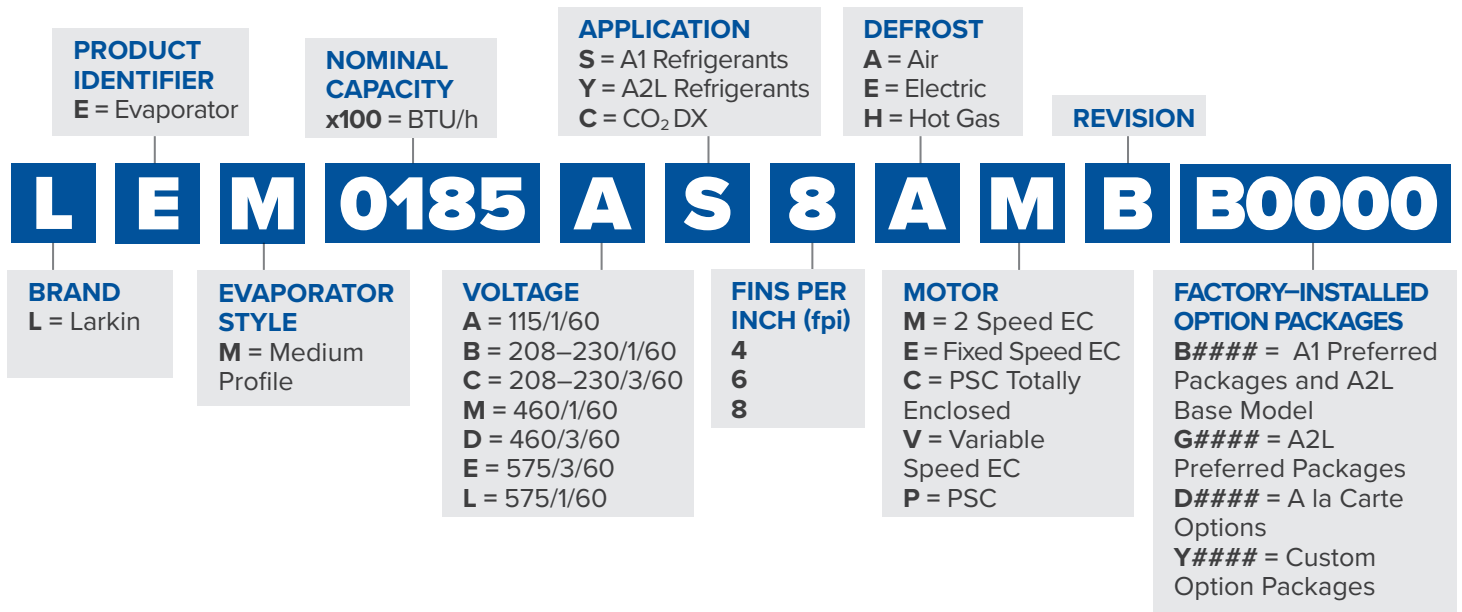


# TABLE OF CONTENTS



|           |                                                                                   |
|-----------|-----------------------------------------------------------------------------------|
| <b>3</b>  | <b>Nomenclature</b>                                                               |
| <b>4</b>  | <b>Preferred Option Packages</b>                                                  |
| <b>5</b>  | <b>Features &amp; Benefits</b>                                                    |
| <b>7</b>  | <b>A2L &amp; A1 Performance Data / Air Defrost</b>                                |
| 7         | A2L Air Defrost- 60 Hz (For EC and PSC Motors)                                    |
| 8         | A1 Air Defrost- 60 Hz (For EC and PSC Motors)                                     |
| 10        | A1 Air Defrost- 50 Hz (For PSC Motors) <sup>†</sup>                               |
| <b>12</b> | <b>Unit Specifications</b>                                                        |
| 12        | A2L Air Defrost- 60 Hz                                                            |
| 13        | A1 Air Defrost- 60 Hz                                                             |
| 15        | A1 Air Defrost- 50 Hz                                                             |
| <b>17</b> | <b>A2L &amp; A1 Performance Data / Electric Defrost</b>                           |
| 17        | A2L Low Temperature Electric Defrost- 60 Hz (For EC & PSC Motors)                 |
| 18        | A1 Low Temperature Electric Defrost- 60 Hz (For EC & PSC Motors)                  |
| 20        | CO <sub>2</sub> Low Temperature Electric Defrost- 60 Hz (For EC & PSC Motors)     |
| 21        | A1 Low Temperature Electric Defrost- 50 Hz (For PSC Motors)                       |
| 23        | CO <sub>2</sub> Low Temperature Electric Defrost- 50 Hz (For PSC Motors)          |
| 24        | A2L Medium Temperature Electric Defrost- 60 Hz (For EC & PSC Motors)              |
| 25        | A1 Medium Temperature Electric Defrost- 60 Hz (For EC & PSC Motors)               |
| 27        | CO <sub>2</sub> Medium Temperature Electric Defrost- 60 Hz (For EC & PSC Motors)  |
| 28        | A1 Medium Temperature Electric Defrost- 50 Hz (For PSC Motors)                    |
| 30        | CO <sub>2</sub> Medium Temperature Electric Defrost- 50 Hz (For PSC Motors)       |
| <b>31</b> | <b>Unit Specifications</b>                                                        |
| 31        | A2L Electric Defrost- 60 Hz                                                       |
| 33        | A1 Electric Defrost- 60 Hz                                                        |
| 36        | A1 Electric Defrost- 50 Hz                                                        |
| <b>37</b> | <b>A2L &amp; A1 Performance Data / Hot Gas Defrost</b>                            |
| 37        | A2L Low Temperature Hot Gas Defrost- 60 Hz (For EC and PSC Motors)                |
| 38        | A1 Low Temperature Hot Gas Defrost- 60 Hz (For EC and PSC Motors)                 |
| 39        | A1 Low Temperature Hot Gas Defrost- 50 Hz (For EC and PSC Motors)                 |
| 40        | A2L Medium Temperature Hot Gas Defrost- 60 Hz (For EC and PSC Motors)             |
| 41        | A1 Medium Temperature Hot Gas Defrost- 60 Hz (For EC and PSC Motors) <sup>†</sup> |
| 42        | A1 Medium Temperature Hot Gas Defrost- 50 Hz (For EC and PSC Motors)              |
| <b>43</b> | <b>Unit Specifications</b>                                                        |
| 43        | A2L Hot Gas Defrost- 60 Hz                                                        |
| 45        | A1 Hot Gas Defrost- 60 Hz                                                         |
| 46        | A1 Hot Gas Defrost- 50 Hz                                                         |
| <b>47</b> | <b>Physical Data</b>                                                              |
| 47        | A2L Air Defrost                                                                   |
| 48        | A1 Air Defrost                                                                    |
| 49        | A2L Electric Defrost                                                              |
| 50        | A1 Electric Defrost                                                               |
| 51        | A2L Hot Gas Defrost                                                               |
| 52        | A1 Hot Gas Defrost                                                                |
| <b>53</b> | <b>Dimensional Drawings</b>                                                       |
| <b>54</b> | <b>DOE Rated AWEF</b>                                                             |
| 54        | A2L and A1 Air Defrost                                                            |
| 55        | CO <sub>2</sub> Air Defrost                                                       |
| 56        | A2L Electric Defrost                                                              |
| 57        | A1 Electric Defrost                                                               |
| 59        | A2L Hot Gas Defrost                                                               |
| 60        | A1 Hot Gas Defrost                                                                |
| <b>61</b> | <b>Replacement Parts</b>                                                          |
| <b>68</b> | <b>Standard Nozzle</b>                                                            |

# NOMENCLATURE



## PREFERRED OPTION PACKAGES

(HFC Refrigerants)

| Package | Description<br>(standard base model features + indicated options below)           |
|---------|-----------------------------------------------------------------------------------|
| B0000   | A2L/HFC Base Model                                                                |
| B0200   | intelliGen Refrigeration Controller (R-404A/R-448A/R-449A)                        |
| B0201   | intelliGen Refrigeration Controller (R-407A/R-407C/R-407F)                        |
| B0403   | Mounted Components (TXV, Solenoid Valve, Electronic T'Stat – R-404A)              |
| B0404   | Mounted Components (TXV, Solenoid Valve, Electronic T'Stat – R-407A/C/F)          |
| B0405   | Mounted Components (TXV, Solenoid Valve, Electronic T'Stat – R-448A/R-449A)       |
| G0000   | Standard base with RDS                                                            |
| G0210   | Standard base with RDS + intelliGen™ (R455A)                                      |
| G0211   | Standard base with RDS + intelliGen™ (R454C)                                      |
| G0212   | Standard base with RDS + intelliGen™ (R454A)                                      |
| G0410   | Standard base with RDS + Mounted TXV + Solenoid Valve + Electronic T'Stat (R455A) |
| G0411   | Standard base with RDS + Mounted TXV + Solenoid Valve + Electronic T'Stat (R454C) |
| G0412   | Standard base with RDS + Mounted TXV + Solenoid Valve + Electronic T'Stat (R454A) |

## PREFERRED OPTION PACKAGES

(CO<sub>2</sub> DX)

| Package                | Description<br>(standard base model features + indicated options below)                                    |
|------------------------|------------------------------------------------------------------------------------------------------------|
| B0500<br>Standard Base | Danfoss EEV (120V) with 1/4"MPT Transducer Connection<br>(Pressure Transducer not included)                |
| B0501                  | Danfoss EEV (120V) with 1/4"MPT Transducer Connection<br>(Pressure Transducer not included) + Filter Drier |
| B0502                  | Sporlan EEV (120V) with 1/4"MPT Transducer Connection<br>(Pressure Transducer not included) + Filter Drier |
| B0503                  | Danfoss EEV (120V) with Danfoss Pressure Transducer                                                        |
| B0504                  | Danfoss EEV (120V) with Danfoss Pressure Transducer + Filter Drier                                         |
| B0505                  | Danfoss EEV (120V) with CPC Pressure Transducer                                                            |
| B0506                  | Danfoss EEV (120V) with CPC Pressure Transducer + Filter Drier                                             |
| B0507                  | Sporlan EEV (120V) with Microthermo Pressure Transducer + Filter Drier                                     |

# FEATURES & BENEFITS

## CABINET

- Removable, hinged access panels
- Plastic, molded fan guards
- Schrader valve provided for suction pressure measurement
- External equalizer connection
- Heavy-gauge aluminum cabinet
- All electrical components factory wired to terminal board and identified, making it easy to field wire the unit
- Sweat connections to reduce potential for leaks
- Internal panels are isolated for quiet operation
- Liquid line solenoid wire harness is factory-installed for quick installation

## DRAIN PAN

- Hinged drain pan for easy access
- Large diameter drain fitting (3/4" ID)
- Rear-draining fitting for space savings

## COIL

- Patented Thermo-Flex™ coil design allows the coil to "flex" during periods of defrost resulting in expansion of the coil surface. By eliminating the possibility of wear at critical stress areas, the integrity and longevity of the unit are dramatically increased (Patent Number 5,584,340)
- Coil heater slots have been enlarged for easier replacement
- Electric defrost models have fixed defrost termination / fan delay and heater limit thermostats
- Reliable nickel steel alloy defrost heater elements
- Heaters are coil face mounted for easy access

## MOTORS

- Motors plug into wiring harness for easier servicing
- 2-Speed EC motors standard for 115V, 208-230V, and 460V applications
- Thermally protected, lifetime-lubricated single phase PSC motors (optional)

## CONTROLS OPTIONS

- IntelliGen™ Refrigeration Controller (iRC) units come with factory mounted, tested and calibrated with an electronic expansion valve, pressure transducer, temperature sensors, control board and User Interface. Available standard features include Door Sensor, Product Load Input and Alarm Output.
- Optional field installable IntelliGen Webserver Card (iWC) enables local and remote monitoring on any phone, tablet or PC.
- Optional field installable IntelliGen Integration Card (iIC) enables connectivity to BACnet and Modbus.

## OTHER OPTIONS

- Totally enclosed single phase PSC motors available as an option for 208-230, 460, and some 575 voltage models.
- Factory installed mounted components are available in these configurations:
  - Pre-assembled units come with mounted TXV, liquid line solenoid valve and room thermostat
  - Mounted TXV
  - Mounted TXV and solenoid valve
  - Mounted room thermostat
- Most models available with glycol circuiting (see glycol product brochure)
- Units available with stainless steel housing and drain pan
- Units available with Bronze-Glow coil coating (air, electric and hot gas)
- Units available with copper fins (6 FPI models only)
- Air defrost units available with polyester coated fins or various coil coating options
- Units available with insulated drain pan
- Ship-loose air sock collar available
- Wire fan guards
- Export crating

## A2L FEATURES AND OPTIONS

- A2L and A1 dual refrigerants compatible models
- Factory mounted Refrigerant Detection System (RDS)
  - Mounted refrigerant leak detection sensors
  - Mounted refrigerant leak mitigation controller
  - Early warning leak detection with relay output for external alert devices
  - Mitigation alarm with relay output for external alarm devices
- Base model option available with or without RDS
- Field mounted Refrigerant Detection System kit available.
- Protection grill for evaporator coil
- Piping protection guards for refrigerant line connections
- Red tags on service valves and connection points as indicators for A2L refrigerants
- A2L labels to meet regulatory requirement

# FEATURES & BENEFITS

## OUTSTANDING FEATURES

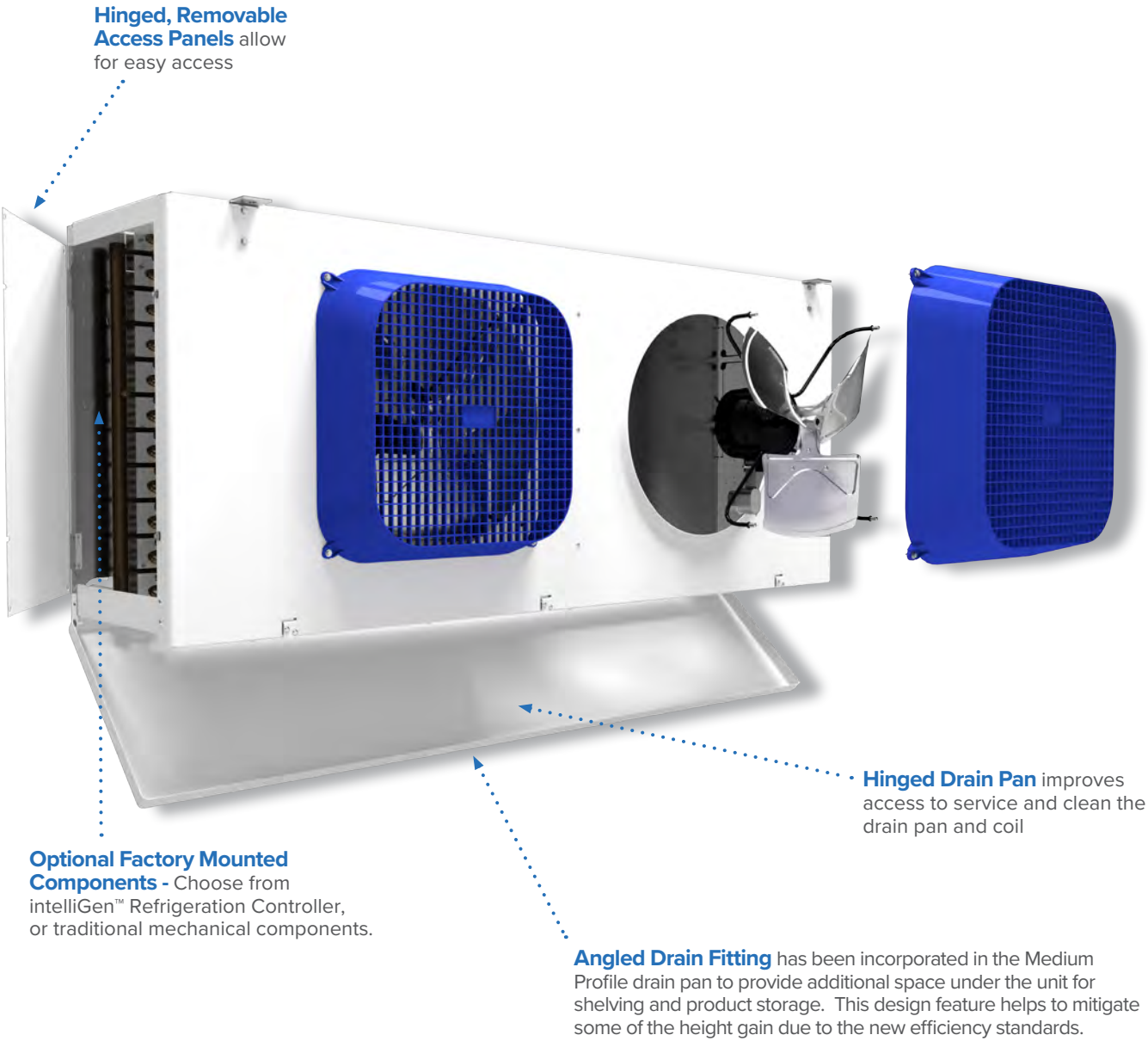


Table 1: Capacity Correction Factors

| Electric and Hot Gas Defrost Units |      |      |      |      |
|------------------------------------|------|------|------|------|
| Saturated Suction Temperature °F   | +20  | -10  | -20  | -30  |
| Saturated Suction Temperature °C   | -7   | -23  | -29  | -34  |
| Multiply Capacity By               | 1.15 | 1.04 | 1.00 | 0.90 |

# A2L PERFORMANCE DATA

Application Capacity: Air Defrost- 60 Hz (For EC and PSC Motors)

Please consult AWEF table on page 54 to confirm model meets DOE minimum AWEF

|               | R454A/R-454C/<br>R-455A |        |         | R-454A/R-454C/<br>R-455A |        |        |                   |             |                           |                           |                                  |       |       |
|---------------|-------------------------|--------|---------|--------------------------|--------|--------|-------------------|-------------|---------------------------|---------------------------|----------------------------------|-------|-------|
|               | Application Capacity¹   |        |         | Application Capacity¹    |        |        | Fan Data          |             | Air Throw                 |                           | Minimum Room ²<br>Area (sq. ft.) |       |       |
|               | 10°F TD/25°F SST        |        |         | 6°C TD/-4°C SST          |        |        |                   |             |                           |                           |                                  |       |       |
| New Model     | R454A                   | R454C  | R455A   | R454A                    | R454C  | R455A  | No.<br>of<br>Fans | CFM<br>Data | Ft.<br>Diffused<br>(Opt.) | Ft.<br>Extended<br>(Std.) | R455A                            | R454C | R454A |
| LEM0185*Y8A^A | 18,300                  | 16,000 | 18,350  | 5,400                    | 4,700  | 5,400  | 1                 | 1,877       | 45                        | 60                        | 34                               | 51    | 52    |
| LEM0225*Y8A^A | 18,650                  | 17,250 | 20,150  | 5,500                    | 5,100  | 5,900  | 1                 | 1,877       | 45                        | 60                        | 34                               | 51    | 52    |
| LEM0405*Y8A^A | 34,050                  | 31,700 | 36,550  | 10,000                   | 9,300  | 10,750 | 2                 | 4,080       | 45                        | 60                        | 63                               | 93    | 96    |
| LEM0475*Y8A^A | 40,000                  | 37,250 | 42,950  | 11,750                   | 10,950 | 12,600 | 2                 | 4,080       | 45                        | 60                        | 63                               | 93    | 96    |
| LEM0575*Y8A^A | 52,350                  | 47,250 | 55,100  | 15,350                   | 13,850 | 16,200 | 3                 | 6,282       | 45                        | 60                        | 80                               | 119   | 123   |
| LEM0675*Y8A^A | 61,500                  | 55,500 | 64,750  | 18,050                   | 16,300 | 19,000 | 3                 | 6,282       | 45                        | 60                        | 80                               | 119   | 123   |
| LEM0775*Y8A^A | 70,600                  | 65,500 | 75,950  | 20,750                   | 19,200 | 22,300 | 4                 | 8,485       | 45                        | 60                        | 104                              | 155   | 160   |
| LEM0975*Y8A^A | 82,950                  | 76,950 | 89,200  | 24,350                   | 22,600 | 26,200 | 4                 | 8,485       | 45                        | 60                        | 105                              | 155   | 161   |
| LEM1115*Y8A^A | 96,850                  | 88,050 | 102,250 | 28,400                   | 25,850 | 30,000 | 5                 | 10,015      | 45                        | 60                        | 116                              | 171   | 178   |

## Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

<sup>2</sup> = Room Area Minimum is calculated using 20 ft line length from the Safety Shut-off Valve (SSOV) to the unit cooler. For applications that require other line lengths, please contact a Heatcraft representative for Room Area Minimum re-calculation.

# A1 PERFORMANCE DATA

Application Capacity: Air Defrost- 60 Hz (For EC and PSC Motors)

Please consult AWEF table on page 54 to confirm model meets DOE minimum AWEF

|               |              | R-404A/R-507A                     |                     | R-448A/R-449A                     |                     | Fan Data    |        |        | Air Throw |     |                             |      |                           |    |
|---------------|--------------|-----------------------------------|---------------------|-----------------------------------|---------------------|-------------|--------|--------|-----------|-----|-----------------------------|------|---------------------------|----|
|               |              | Application Capacity <sup>1</sup> |                     | Application Capacity <sup>1</sup> |                     |             |        |        | Diameter  |     | Standard (Molded Fan Guard) |      | Diffused (Wire Fan Guard) |    |
|               |              | 10°F TD/<br>25°F SST              | 6°C TD/<br>-4°C SST | 10°F TD/<br>25°F SST              | 6°C TD/<br>-4°C SST |             |        |        |           |     |                             |      |                           |    |
| New Model     | Legacy Model | BTUH                              | Watts               | BTUH                              | Watts               | No. of Fans | CFM    | m³H    | in.       | mm  | ft.                         | m    | ft.                       | m  |
| LEM0185*S8A^B | BMA130       | 13,000                            | 3,800               | 18,350                            | 5,400               | 1           | 1,900  | 3,228  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM0225*S8A^B | BMA155       | 16,500                            | 4,850               | 24,000                            | 7,050               | 1           | 1,900  | 3,228  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM0405*S8A^B | BMA245       | 24,500                            | 7,200               | 35,000                            | 10,250              | 2           | 4,100  | 6,966  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM0475*S8A^B | BMA300       | 32,100                            | 9,400               | 47,500                            | 13,900              | 2           | 4,100  | 6,966  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM0575*S8A^B | BMA365       | 36,500                            | 10,700              | 57,500                            | 16,850              | 3           | 6,300  | 10,704 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM0675*S8A^B | BMA450       | 45,000                            | 13,200              | 67,100                            | 19,650              | 3           | 6,300  | 10,704 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM0775*S8A^B | BMA510       | 51,000                            | 14,950              | 77,100                            | 22,600              | 4           | 8,500  | 14,442 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM0975*S8A^B | BMA600       | 65,000                            | 19,050              | 97,100                            | 28,450              | 4           | 8,500  | 14,442 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM1115*S8A^B | BMA710       | 74,150                            | 21,750              | 111,215                           | 32,600              | 5           | 10,000 | 16,990 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |

|               |              | R-407A/R-407F                     |                     | R-407C                            |                     | Fan Data    |        |        | Air Throw |     |                             |      |                           |    |
|---------------|--------------|-----------------------------------|---------------------|-----------------------------------|---------------------|-------------|--------|--------|-----------|-----|-----------------------------|------|---------------------------|----|
|               |              | Application Capacity <sup>1</sup> |                     | Application Capacity <sup>1</sup> |                     |             |        |        | Diameter  |     | Standard (Molded Fan Guard) |      | Diffused (Wire Fan Guard) |    |
|               |              | 10°F TD/<br>25°F SST              | 6°C TD/<br>-4°C SST | 10°F TD/<br>25°F SST              | 6°C TD/<br>-4°C SST |             |        |        |           |     |                             |      |                           |    |
| New Model     | Legacy Model | BTUH                              | Watts               | BTUH                              | Watts               | No. of Fans | CFM    | m³H    | in.       | mm  | ft.                         | m    | ft.                       | m  |
| LEM0185*S8A^B | BMA130       | 15,000                            | 4,400               | 15,000                            | 4,400               | 1           | 1,900  | 3,228  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM0225*S8A^B | BMA155       | 20,000                            | 5,850               | 20,000                            | 5,850               | 1           | 1,900  | 3,228  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM0405*S8A^B | BMA245       | 29,500                            | 8,650               | 29,500                            | 8,650               | 2           | 4,100  | 6,966  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM0475*S8A^B | BMA300       | 37,900                            | 11,100              | 37,900                            | 11,100              | 2           | 4,100  | 6,966  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM0575*S8A^B | BMA365       | 46,250                            | 13,550              | 45,400                            | 13,300              | 3           | 6,300  | 10,704 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM0675*S8A^B | BMA450       | 53,750                            | 15,750              | 52,500                            | 15,400              | 3           | 6,300  | 10,704 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM0775*S8A^B | BMA510       | 61,250                            | 17,950              | 60,850                            | 17,850              | 4           | 8,500  | 14,442 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM0975*S8A^B | BMA600       | 77,100                            | 22,600              | 77,100                            | 22,600              | 4           | 8,500  | 14,442 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM1115*S8A^B | BMA710       | 88,750                            | 26,000              | 87,100                            | 25,550              | 5           | 10,000 | 16,990 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |

## Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

# A1 PERFORMANCE DATA

Application Capacity: Air Defrost- 60 Hz (For EC and PSC Motors)

Please consult AWEF table on page 55 to confirm model meets DOE minimum AWEF

|               |              | CO <sub>2</sub> DX                |                     | Fan Data    |        |        | Air Throw |     |                             |      |                           |    |
|---------------|--------------|-----------------------------------|---------------------|-------------|--------|--------|-----------|-----|-----------------------------|------|---------------------------|----|
|               |              | Application Capacity <sup>1</sup> |                     |             |        |        | Diameter  |     | Standard (Molded Fan Guard) |      | Diffused (Wire Fan Guard) |    |
|               |              | 10°F TD/<br>25°F SST              | 6°C TD/<br>-4°C SST | No. of Fans | CFM    | m³H    |           |     |                             |      |                           |    |
| New Model     | Legacy Model | BTUH                              | Watts               | No. of Fans | CFM    | m³H    | in.       | mm  | ft.                         | m    | ft.                       | m  |
| LEM0185*C8A^A | BMAY130      | 15,000                            | 4,400               | 1           | 1,900  | 3,228  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM0225*C8A^A | BMAY155      | 20,000                            | 5,850               | 1           | 1,900  | 3,228  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM0405*C8A^A | BMAY245      | 29,500                            | 8,650               | 2           | 4,100  | 6,966  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM0475*C8A^A | BMAY300      | 37,900                            | 11,100              | 2           | 4,100  | 6,966  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM0575*C8A^A | BMAY365      | 46,250                            | 13,550              | 3           | 6,300  | 10,704 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM0675*C8A^A | BMAY450      | 53,750                            | 15,750              | 3           | 6,300  | 10,704 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM0775*C8A^A | BMAY510      | 61,250                            | 17,950              | 4           | 8,500  | 14,442 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM0975*C8A^A | BMAY600      | 77,100                            | 22,600              | 4           | 8,500  | 14,442 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| LEM1115*C8A^A | BMAY710      | 88,750                            | 26,000              | 5           | 10,000 | 16,990 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |

## Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

# A1 PERFORMANCE DATA

Application Capacity: Air Defrost- 50 Hz (For PSC Motors)<sup>†</sup>

Please consult AWEF table on page 54 to confirm model meets DOE minimum AWEF

|               |              | R-404A/R-507A                     |                     | R-448A/R-449A                     |                     | Fan Data    |       |        | Air Throw |     |                             |    |                           |    |
|---------------|--------------|-----------------------------------|---------------------|-----------------------------------|---------------------|-------------|-------|--------|-----------|-----|-----------------------------|----|---------------------------|----|
|               |              | Application Capacity <sup>1</sup> |                     | Application Capacity <sup>1</sup> |                     |             |       |        | Diameter  |     | Standard (Molded Fan Guard) |    | Diffused (Wire Fan Guard) |    |
|               |              | 10°F TD/<br>25°F SST              | 6°C TD/<br>-4°C SST | 10°F TD/<br>25°F SST              | 6°C TD/<br>-4°C SST |             |       |        |           |     |                             |    |                           |    |
| New Model     | Legacy Model | BTUH                              | Watts               | BTUH                              | Watts               | No. of Fans | CFM   | m³H    | in.       | mm  | ft.                         | m  | ft.                       | m  |
| LEM0185*S8A^B | BMA130       | 11,950                            | 3,550               | 16,900                            | 4,950               | 1           | 1,710 | 2,905  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM0225*S8A^B | BMA155       | 15,200                            | 4,550               | 22,100                            | 6,500               | 1           | 1,710 | 2,905  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM0405*S8A^B | BMA245       | 22,550                            | 6,600               | 32,200                            | 9,450               | 2           | 3,690 | 6,269  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM0475*S8A^B | BMA300       | 29,550                            | 8,650               | 43,700                            | 12,800              | 2           | 3,690 | 6,269  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM0575*S8A^B | BMA365       | 33,600                            | 9,850               | 52,900                            | 15,500              | 3           | 5,670 | 9,633  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM0675*S8A^B | BMA450       | 41,400                            | 12,150              | 61,750                            | 18,100              | 3           | 5,670 | 9,633  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM0775*S8A^B | BMA510       | 46,900                            | 13,750              | 70,950                            | 20,800              | 4           | 7,650 | 12,997 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM0975*S8A^B | BMA600       | 59,800                            | 17,550              | 89,350                            | 26,200              | 4           | 7,650 | 12,997 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM1115*S8A^B | BMA710       | 68,200                            | 20,000              | 102,300                           | 30,000              | 5           | 9,000 | 15,291 | 18        | 457 | 55                          | 17 | 40                        | 13 |

|               |              | R-407A/R-407F                     |                     | R-407C                            |                     | Fan Data    |       |        | Air Throw |     |                             |    |                           |    |
|---------------|--------------|-----------------------------------|---------------------|-----------------------------------|---------------------|-------------|-------|--------|-----------|-----|-----------------------------|----|---------------------------|----|
|               |              | Application Capacity <sup>1</sup> |                     | Application Capacity <sup>1</sup> |                     |             |       |        | Diameter  |     | Standard (Molded Fan Guard) |    | Diffused (Wire Fan Guard) |    |
|               |              | 10°F TD/<br>25°F SST              | 6°C TD/<br>-4°C SST | 10°F TD/<br>25°F SST              | 6°C TD/<br>-4°C SST |             |       |        |           |     |                             |    |                           |    |
| New Model     | Legacy Model | BTUH                              | Watts               | BTUH                              | Watts               | No. of Fans | CFM   | m³H    | in.       | mm  | ft.                         | m  | ft.                       | m  |
| LEM0185*S8A^B | BMA130       | 13,800                            | 4,050               | 13,800                            | 4,050               | 1           | 1,710 | 2,905  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM0225*S8A^B | BMA155       | 18,400                            | 5,400               | 18,400                            | 5,400               | 1           | 1,710 | 2,905  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM0405*S8A^B | BMA245       | 27,150                            | 7,950               | 27,150                            | 7,950               | 2           | 3,690 | 6,269  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM0475*S8A^B | BMA300       | 34,850                            | 10,200              | 34,850                            | 10,200              | 2           | 3,690 | 6,269  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM0575*S8A^B | BMA365       | 42,550                            | 12,450              | 41,750                            | 12,250              | 3           | 5,670 | 9,633  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM0675*S8A^B | BMA450       | 49,450                            | 14,500              | 48,300                            | 14,150              | 3           | 5,670 | 9,633  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM0775*S8A^B | BMA510       | 56,350                            | 16,500              | 56,000                            | 16,400              | 4           | 7,650 | 12,997 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM0975*S8A^B | BMA600       | 70,950                            | 20,800              | 70,950                            | 20,800              | 4           | 7,650 | 12,997 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM1115*S8A^B | BMA710       | 81,650                            | 23,950              | 80,150                            | 23,500              | 5           | 9,000 | 15,291 | 18        | 457 | 55                          | 17 | 40                        | 13 |

## Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

<sup>†</sup> = For single speed and 2-speed EC motors, use 60 Hz capacity and airflow values. (units with EC motors operating at 50 Hz will not see a reduction in performance due to the electronic control of the motor)

Net Capacity is available upon request

# A1 PERFORMANCE DATA

Application Capacity: Air Defrost- 50 Hz (For PSC Motors)<sup>†</sup>

Please consult AWEF table on page 55 to confirm model meets DOE minimum AWEF

|               |              | CO <sub>2</sub> DX                |                     | Fan Data    |       |        | Air Throw |     |                             |    |                           |    |
|---------------|--------------|-----------------------------------|---------------------|-------------|-------|--------|-----------|-----|-----------------------------|----|---------------------------|----|
|               |              | Application Capacity <sup>1</sup> |                     |             |       |        | Diameter  |     | Standard (Molded Fan Guard) |    | Diffused (Wire Fan Guard) |    |
|               |              | 10°F TD/<br>25°F SST              | 6°C TD/<br>-4°C SST |             |       |        |           |     |                             |    |                           |    |
| New Model     | Legacy Model | BTUH                              | Watts               | No. of Fans | CFM   | m³H    | in.       | mm  | ft.                         | m  | ft.                       | m  |
| LEM0185*C8A^A | BMAY130      | 13,800                            | 4,050               | 1           | 1,710 | 2,905  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM0225*C8A^A | BMAY155      | 18,400                            | 5,400               | 1           | 1,710 | 2,905  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM0405*C8A^A | BMAY245      | 27,150                            | 7,950               | 2           | 3,690 | 6,269  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM0475*C8A^A | BMAY300      | 34,850                            | 10,200              | 2           | 3,690 | 6,269  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM0575*C8A^A | BMAY365      | 42,550                            | 12,450              | 3           | 5,670 | 9,633  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM0675*C8A^A | BMAY450      | 49,450                            | 14,500              | 3           | 5,670 | 9,633  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM0775*C8A^A | BMAY510      | 56,350                            | 16,500              | 4           | 7,650 | 12,997 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM0975*C8A^A | BMAY600      | 70,950                            | 20,800              | 4           | 7,650 | 12,997 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| LEM1115*C8A^A | BMAY710      | 81,650                            | 23,950              | 5           | 9,000 | 15,291 | 18        | 457 | 55                          | 17 | 40                        | 13 |

## Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

<sup>†</sup> = For single speed and 2-speed EC motors, use 60 Hz capacity and airflow values. (units with EC motors operating at 50 Hz will not see a reduction in performance due to the electronic control of the motor)

Net Capacity is available upon request

# A2L SPECIFICATIONS

## Air Defrost- 60 Hz

Please consult AWEF table on page 54 to confirm model meets DOE minimum AWEF

| New Model     | EC Motors<br>(includes 2-Speed, Fixed Speed and VSEC) |      |       |     |      |              |      |       |     |      |          |      |       |     |      |
|---------------|-------------------------------------------------------|------|-------|-----|------|--------------|------|-------|-----|------|----------|------|-------|-----|------|
|               | 115/1/60                                              |      |       |     |      | 208-230/1/60 |      |       |     |      | 460/1/60 |      |       |     |      |
|               | HP                                                    | Amps | Watts | MCA | MOPD | HP           | Amps | Watts | MCA | MOPD | HP       | Amps | Watts | MCA | MOPD |
| LEM0185*Y8A^A | 1/4                                                   | 3.5  | 209   | 20  | 15   | 1/4          | 1.7  | 213   | 20  | 15   | 1/3      | 1.6  | 191   | 15  | 15   |
| LEM0225*Y8A^A | 1/4                                                   | 3.5  | 209   | 15  | 20   | 1/4          | 1.7  | 213   | 15  | 20   | 1/3      | 1.6  | 191   | 15  | 15   |
| LEM0405*Y8A^A | 1/4                                                   | 7.0  | 419   | 15  | 20   | 1/4          | 3.5  | 426   | 15  | 20   | 1/3      | 3.2  | 382   | 15  | 15   |
| LEM0475*Y8A^A | 1/4                                                   | 7.0  | 419   | 15  | 20   | 1/4          | 3.5  | 426   | 15  | 20   | 1/3      | 3.2  | 382   | 15  | 15   |
| LEM0575*Y8A^A | 1/4                                                   | 10.4 | 628   | 15  | 20   | 1/4          | 5.2  | 638   | 15  | 20   | 1/3      | 4.8  | 573   | 15  | 15   |
| LEM0675*Y8A^A | 1/4                                                   | 10.4 | 628   | 15  | 20   | 1/4          | 5.2  | 638   | 15  | 20   | 1/3      | 4.8  | 573   | 15  | 15   |
| LEM0775*Y8A^A | 1/4                                                   | 13.9 | 838   | 20  | 25   | 1/4          | 7.0  | 851   | 15  | 20   | 1/3      | 6.4  | 764   | 15  | 15   |
| LEM0975*Y8A^A | 1/4                                                   | 13.9 | 838   | 20  | 25   | 1/4          | 7.0  | 851   | 15  | 20   | 1/3      | 6.4  | 764   | 15  | 15   |
| LEM1115*Y8A^A | -                                                     | -    | -     | -   | -    | 1/4          | 8.7  | 1,064 | 15  | 20   | 1/3      | 8.0  | 955   | 15  | 15   |

| New Model     | PSC Motors<br>(includes Standard and Totally Enclosed) |      |       |     |      |              |      |       |     |      |          |      |       |     |      |
|---------------|--------------------------------------------------------|------|-------|-----|------|--------------|------|-------|-----|------|----------|------|-------|-----|------|
|               | 115/1/60                                               |      |       |     |      | 208-230/1/60 |      |       |     |      | 460/1/60 |      |       |     |      |
|               | HP                                                     | Amps | Watts | MCA | MOPD | HP           | Amps | Watts | MCA | MOPD | HP       | Amps | Watts | MCA | MOPD |
| LEM0185*Y8A^A | 1/4                                                    | 4.0  | 300   | 20  | 15   | 1/4          | 1.8  | 305   | 20  | 15   | 1/4      | 1.0  | 305   | 15  | 15   |
| LEM0225*Y8A^A | 1/4                                                    | 4.0  | 300   | 15  | 20   | 1/4          | 1.8  | 305   | 15  | 20   | 1/4      | 1.0  | 305   | 15  | 15   |
| LEM0405*Y8A^A | 1/4                                                    | 8.0  | 600   | 15  | 20   | 1/4          | 3.6  | 610   | 15  | 20   | 1/4      | 2.0  | 610   | 15  | 15   |
| LEM0475*Y8A^A | 1/4                                                    | 8.0  | 600   | 15  | 20   | 1/4          | 3.6  | 610   | 15  | 20   | 1/4      | 2.0  | 610   | 15  | 15   |
| LEM0575*Y8A^A | 1/4                                                    | 12.0 | 900   | 15  | 20   | 1/4          | 5.4  | 915   | 15  | 20   | 1/4      | 3.0  | 915   | 15  | 15   |
| LEM0675*Y8A^A | 1/4                                                    | 12.0 | 900   | 15  | 20   | 1/4          | 5.4  | 915   | 15  | 20   | 1/4      | 3.0  | 915   | 15  | 15   |
| LEM0775*Y8A^A | 1/4                                                    | 16.0 | 1,200 | 20  | 25   | 1/4          | 7.2  | 1,220 | 15  | 20   | 1/4      | 4.0  | 1,220 | 15  | 15   |
| LEM0975*Y8A^A | 1/4                                                    | 16.0 | 1,200 | 20  | 25   | 1/4          | 7.2  | 1,220 | 15  | 20   | 1/4      | 4.0  | 1,220 | 15  | 15   |
| LEM1115*Y8A^A | -                                                      | -    | -     | -   | -    | 1/4          | 9.0  | 1,525 | 15  | 20   | 1/4      | 5.0  | 1,525 | 15  | 15   |

### Notes:

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

# A1 SPECIFICATIONS

Air Defrost- 60 Hz

Please consult AWEF table on page 54 to confirm model meets DOE minimum AWEF

|               |     | EC Motors<br>(includes 2-Speed, Fixed Speed and VSEC) |       |     |      |              |       |     |      |          |       |     |      |
|---------------|-----|-------------------------------------------------------|-------|-----|------|--------------|-------|-----|------|----------|-------|-----|------|
|               |     | 115/1/60                                              |       |     |      | 208-230/1/60 |       |     |      | 460/1/60 |       |     |      |
| New Model     | HP  | Amps                                                  | Watts | MCA | MOPD | Amps         | Watts | MCA | MOPD | Amps     | Watts | MCA | MOPD |
| LEM0185*S8A^B | 1/4 | 3.5                                                   | 208   | 15  | 20   | 1.7          | 208   | 15  | 20   | 1.6      | 191   | 15  | 15   |
| LEM0225*S8A^B | 1/4 | 3.5                                                   | 208   | 15  | 20   | 1.7          | 208   | 15  | 20   | 1.6      | 191   | 15  | 15   |
| LEM0405*S8A^B | 1/4 | 7.0                                                   | 417   | 15  | 20   | 3.5          | 417   | 15  | 20   | 3.2      | 382   | 15  | 15   |
| LEM0475*S8A^B | 1/4 | 7.0                                                   | 417   | 15  | 20   | 3.5          | 417   | 15  | 20   | 3.2      | 382   | 15  | 15   |
| LEM0575*S8A^B | 1/4 | 10.4                                                  | 625   | 15  | 20   | 5.2          | 625   | 15  | 20   | 4.8      | 573   | 15  | 15   |
| LEM0675*S8A^B | 1/4 | 10.4                                                  | 625   | 15  | 20   | 5.2          | 625   | 15  | 20   | 4.8      | 573   | 15  | 15   |
| LEM0775*S8A^B | 1/4 | 13.9                                                  | 834   | 20  | 25   | 7.0          | 834   | 15  | 20   | 6.4      | 764   | 15  | 15   |
| LEM0975*S8A^B | 1/4 | 13.9                                                  | 834   | 20  | 25   | 7.0          | 834   | 15  | 20   | 6.4      | 764   | 15  | 15   |
| LEM1115*S8A^B | 1/4 | -                                                     | -     | -   | -    | 8.7          | 1,042 | 15  | 20   | 8.0      | 955   | 15  | 15   |

|               |     | EC Motors<br>(includes 2-Speed, Fixed Speed and VSEC) |       |     |      |              |       |     |      |          |       |     |      |
|---------------|-----|-------------------------------------------------------|-------|-----|------|--------------|-------|-----|------|----------|-------|-----|------|
|               |     | 115/1/60                                              |       |     |      | 208-230/1/60 |       |     |      | 460/1/60 |       |     |      |
| New Model     | HP  | Amps                                                  | Watts | MCA | MOPD | Amps         | Watts | MCA | MOPD | Amps     | Watts | MCA | MOPD |
| LEM0185*C8A^A | 1/4 | 3.5                                                   | 208   | 15  | 20   | 1.7          | 208   | 15  | 20   | 1.6      | 191   | 15  | 15   |
| LEM0225*C8A^A | 1/4 | 3.5                                                   | 208   | 15  | 20   | 1.7          | 208   | 15  | 20   | 1.6      | 191   | 15  | 15   |
| LEM0405*C8A^A | 1/4 | 7.0                                                   | 417   | 15  | 20   | 3.5          | 417   | 15  | 20   | 3.2      | 382   | 15  | 15   |
| LEM0475*C8A^A | 1/4 | 7.0                                                   | 417   | 15  | 20   | 3.5          | 417   | 15  | 20   | 3.2      | 382   | 15  | 15   |
| LEM0575*C8A^A | 1/4 | 10.4                                                  | 625   | 15  | 20   | 5.2          | 625   | 15  | 20   | 4.8      | 573   | 15  | 15   |
| LEM0675*C8A^A | 1/4 | 10.4                                                  | 625   | 15  | 20   | 5.2          | 625   | 15  | 20   | 4.8      | 573   | 15  | 15   |
| LEM0775*C8A^A | 1/4 | 13.9                                                  | 834   | 20  | 25   | 7.0          | 834   | 15  | 20   | 6.4      | 764   | 15  | 15   |
| LEM0975*C8A^A | 1/4 | 13.9                                                  | 834   | 20  | 25   | 7.0          | 834   | 15  | 20   | 6.4      | 764   | 15  | 15   |
| LEM1115*C8A^A | 1/4 | -                                                     | -     | -   | -    | 8.7          | 1,042 | 15  | 20   | 8.0      | 955   | 15  | 15   |

## Notes:

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

# A1 SPECIFICATIONS

## Air Defrost- 60 Hz

Please consult AWEF table on page 54 to confirm model meets DOE minimum AWEF

|               |     | PSC Motors<br>(includes Standard and Totally Enclosed) |       |     |      |              |       |     |      |          |       |     |      |
|---------------|-----|--------------------------------------------------------|-------|-----|------|--------------|-------|-----|------|----------|-------|-----|------|
|               |     | 115/1/60                                               |       |     |      | 208-230/1/60 |       |     |      | 460/1/60 |       |     |      |
| New Model     | HP  | Amps                                                   | Watts | MCA | MOPD | Amps         | Watts | MCA | MOPD | Amps     | Watts | MCA | MOPD |
| LEM0185*S8A^B | 1/4 | 4.0                                                    | 300   | 15  | 20   | 1.8          | 305   | 15  | 20   | 1.0      | 305   | 15  | 15   |
| LEM0225*S8A^B | 1/4 | 4.0                                                    | 300   | 15  | 20   | 1.8          | 305   | 15  | 20   | 1.0      | 305   | 15  | 15   |
| LEM0405*S8A^B | 1/4 | 8.0                                                    | 600   | 15  | 20   | 3.6          | 610   | 15  | 20   | 2.0      | 610   | 15  | 15   |
| LEM0475*S8A^B | 1/4 | 8.0                                                    | 600   | 15  | 20   | 3.6          | 610   | 15  | 20   | 2.0      | 610   | 15  | 15   |
| LEM0575*S8A^B | 1/4 | 12.0                                                   | 900   | 15  | 20   | 5.4          | 915   | 15  | 20   | 3.0      | 915   | 15  | 15   |
| LEM0675*S8A^B | 1/4 | 12.0                                                   | 900   | 15  | 20   | 5.4          | 915   | 15  | 20   | 3.0      | 915   | 15  | 15   |
| LEM0775*S8A^B | 1/4 | 16.0                                                   | 1,200 | 20  | 25   | 7.2          | 1,220 | 15  | 20   | 4.0      | 1,220 | 15  | 15   |
| LEM0975*S8A^B | 1/4 | 16.0                                                   | 1,200 | 20  | 25   | 7.2          | 1,220 | 15  | 20   | 4.0      | 1,220 | 15  | 15   |
| LEM1115*S8A^B | 1/4 | -                                                      | -     | -   | -    | 9.0          | 1,525 | 15  | 20   | 5.0      | 1,525 | 15  | 15   |

|               |     | PSC Motors<br>(includes Standard and Totally Enclosed) |       |     |      |              |       |     |      |          |       |     |      |
|---------------|-----|--------------------------------------------------------|-------|-----|------|--------------|-------|-----|------|----------|-------|-----|------|
|               |     | 115/1/60                                               |       |     |      | 208-230/1/60 |       |     |      | 460/1/60 |       |     |      |
| New Model     | HP  | Amps                                                   | Watts | MCA | MOPD | Amps         | Watts | MCA | MOPD | Amps     | Watts | MCA | MOPD |
| LEM0185*C8A^A | 1/4 | 4.0                                                    | 300   | 15  | 20   | 1.8          | 305   | 15  | 20   | 1.0      | 305   | 15  | 15   |
| LEM0225*C8A^A | 1/4 | 4.0                                                    | 300   | 15  | 20   | 1.8          | 305   | 15  | 20   | 1.0      | 305   | 15  | 15   |
| LEM0405*C8A^A | 1/4 | 8.0                                                    | 600   | 15  | 20   | 3.6          | 610   | 15  | 20   | 2.0      | 610   | 15  | 15   |
| LEM0475*C8A^A | 1/4 | 8.0                                                    | 600   | 15  | 20   | 3.6          | 610   | 15  | 20   | 2.0      | 610   | 15  | 15   |
| LEM0575*C8A^A | 1/4 | 12.0                                                   | 900   | 15  | 20   | 5.4          | 915   | 15  | 20   | 3.0      | 915   | 15  | 15   |
| LEM0675*C8A^A | 1/4 | 12.0                                                   | 900   | 15  | 20   | 5.4          | 915   | 15  | 20   | 3.0      | 915   | 15  | 15   |
| LEM0775*C8A^A | 1/4 | 16.0                                                   | 1,200 | 20  | 25   | 7.2          | 1,220 | 15  | 20   | 4.0      | 1,220 | 15  | 15   |
| LEM0975*C8A^A | 1/4 | 16.0                                                   | 1,200 | 20  | 25   | 7.2          | 1,220 | 15  | 20   | 4.0      | 1,220 | 15  | 15   |
| LEM1115*C8A^A | 1/4 | -                                                      | -     | -   | -    | 9.0          | 1,525 | 15  | 20   | 5.0      | 1,525 | 15  | 15   |

### Notes:

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

# A1 SPECIFICATIONS

## Air Defrost- 50 Hz

Please consult AWEF table on page 54 to confirm model meets DOE minimum AWEF

|               |     | EC Motors<br>(includes 2-Speed, Fixed Speed and VSEC) |       |     |      |          |       |     |      |
|---------------|-----|-------------------------------------------------------|-------|-----|------|----------|-------|-----|------|
|               |     | 110/1/50                                              |       |     |      | 220/1/50 |       |     |      |
| New Model     | HP  | Amps                                                  | Watts | MCA | MOPD | Amps     | Watts | MCA | MOPD |
| LEM0185*S8A^B | 1/4 | 3.5                                                   | 208   | 15  | 20   | 1.7      | 208   | 15  | 20   |
| LEM0225*S8A^B | 1/4 | 3.5                                                   | 208   | 15  | 20   | 1.7      | 208   | 15  | 20   |
| LEM0405*S8A^B | 1/4 | 7.0                                                   | 417   | 15  | 20   | 3.5      | 417   | 15  | 20   |
| LEM0475*S8A^B | 1/4 | 7.0                                                   | 417   | 15  | 20   | 3.5      | 417   | 15  | 20   |
| LEM0575*S8A^B | 1/4 | 10.4                                                  | 625   | 15  | 20   | 5.2      | 625   | 15  | 20   |
| LEM0675*S8A^B | 1/4 | 10.4                                                  | 625   | 15  | 20   | 5.2      | 625   | 15  | 20   |
| LEM0775*S8A^B | 1/4 | 13.9                                                  | 834   | 20  | 25   | 7.0      | 834   | 15  | 20   |
| LEM0975*S8A^B | 1/4 | 13.9                                                  | 834   | 20  | 25   | 7.0      | 834   | 15  | 20   |
| LEM1115*S8A^B | 1/4 | -                                                     | -     | -   | -    | 8.7      | 1,042 | 15  | 20   |

|               |     | EC Motors<br>(includes 2-Speed, Fixed Speed and VSEC) |       |     |      |          |       |     |      |
|---------------|-----|-------------------------------------------------------|-------|-----|------|----------|-------|-----|------|
|               |     | 110/1/50                                              |       |     |      | 220/1/50 |       |     |      |
| New Model     | HP  | Amps                                                  | Watts | MCA | MOPD | Amps     | Watts | MCA | MOPD |
| LEM0185*C8A^A | 1/4 | 3.5                                                   | 208   | 15  | 20   | 1.7      | 208   | 15  | 20   |
| LEM0225*C8A^A | 1/4 | 3.5                                                   | 208   | 15  | 20   | 1.7      | 208   | 15  | 20   |
| LEM0405*C8A^A | 1/4 | 7.0                                                   | 417   | 15  | 20   | 3.5      | 417   | 15  | 20   |
| LEM0475*C8A^A | 1/4 | 7.0                                                   | 417   | 15  | 20   | 3.5      | 417   | 15  | 20   |
| LEM0575*C8A^A | 1/4 | 10.4                                                  | 625   | 15  | 20   | 5.2      | 625   | 15  | 20   |
| LEM0675*C8A^A | 1/4 | 10.4                                                  | 625   | 15  | 20   | 5.2      | 625   | 15  | 20   |
| LEM0775*C8A^A | 1/4 | 13.9                                                  | 834   | 20  | 25   | 7.0      | 834   | 15  | 20   |
| LEM0975*C8A^A | 1/4 | 13.9                                                  | 834   | 20  | 25   | 7.0      | 834   | 15  | 20   |
| LEM1115*C8A^A | 1/4 | -                                                     | -     | -   | -    | 8.7      | 1,042 | 15  | 20   |

### Notes:

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

# A1 SPECIFICATIONS

## Air Defrost- 50 Hz

Please consult AWEF table on page 54 to confirm model meets DOE minimum AWEF

|               |     | PSC Motors<br>(includes Standard and Totally Enclosed) |       |     |      |          |       |     |      |
|---------------|-----|--------------------------------------------------------|-------|-----|------|----------|-------|-----|------|
|               |     | 110/1/50                                               |       |     |      | 220/1/50 |       |     |      |
| New Model     | HP  | Amps                                                   | Watts | MCA | MOPD | Amps     | Watts | MCA | MOPD |
| LEM0185*S8A^B | 1/4 | 4.0                                                    | 300   | 15  | 20   | 1.8      | 305   | 15  | 20   |
| LEM0225*S8A^B | 1/4 | 4.0                                                    | 300   | 15  | 20   | 1.8      | 305   | 15  | 20   |
| LEM0405*S8A^B | 1/4 | 8.0                                                    | 600   | 15  | 20   | 3.6      | 610   | 15  | 20   |
| LEM0475*S8A^B | 1/4 | 8.0                                                    | 600   | 15  | 20   | 3.6      | 610   | 15  | 20   |
| LEM0575*S8A^B | 1/4 | 12.0                                                   | 900   | 15  | 20   | 5.4      | 915   | 15  | 20   |
| LEM0675*S8A^B | 1/4 | 12.0                                                   | 900   | 15  | 20   | 5.4      | 915   | 15  | 20   |
| LEM0775*S8A^B | 1/4 | 16.0                                                   | 1,200 | 20  | 25   | 7.2      | 1,220 | 15  | 20   |
| LEM0975*S8A^B | 1/4 | 16.0                                                   | 1,200 | 20  | 25   | 7.2      | 1,220 | 15  | 20   |
| LEM1115*S8A^B | 1/4 | -                                                      | -     | -   | -    | 9.0      | 1,525 | 15  | 20   |

|               |     | PSC Motors<br>(includes Standard and Totally Enclosed) |       |     |      |          |       |     |      |
|---------------|-----|--------------------------------------------------------|-------|-----|------|----------|-------|-----|------|
|               |     | 110/1/50                                               |       |     |      | 220/1/50 |       |     |      |
| New Model     | HP  | Amps                                                   | Watts | MCA | MOPD | Amps     | Watts | MCA | MOPD |
| LEM0185*C8A^A | 1/4 | 4.0                                                    | 300   | 15  | 20   | 1.8      | 305   | 15  | 20   |
| LEM0225*C8A^A | 1/4 | 4.0                                                    | 300   | 15  | 20   | 1.8      | 305   | 15  | 20   |
| LEM0405*C8A^A | 1/4 | 8.0                                                    | 600   | 15  | 20   | 3.6      | 610   | 15  | 20   |
| LEM0475*C8A^A | 1/4 | 8.0                                                    | 600   | 15  | 20   | 3.6      | 610   | 15  | 20   |
| LEM0575*C8A^A | 1/4 | 12.0                                                   | 900   | 15  | 20   | 5.4      | 915   | 15  | 20   |
| LEM0675*C8A^A | 1/4 | 12.0                                                   | 900   | 15  | 20   | 5.4      | 915   | 15  | 20   |
| LEM0775*C8A^A | 1/4 | 16.0                                                   | 1,200 | 20  | 25   | 7.2      | 1,220 | 15  | 20   |
| LEM0975*C8A^A | 1/4 | 16.0                                                   | 1,200 | 20  | 25   | 7.2      | 1,220 | 15  | 20   |
| LEM1115*C8A^A | 1/4 | -                                                      | -     | -   | -    | 9.0      | 1,525 | 15  | 20   |

### Notes:

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

# A2L PERFORMANCE DATA

Application Capacity: Low Temperature Electric Defrost- 60 Hz (For EC & PSC Motors)

Please consult AWEF table on page 58 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

| New Model     | R454A/R-454C/<br>R-455A |        |        | R-454A/R-454C/<br>R-455A |        |        |             |          |                     |                     |                                  |       |       |
|---------------|-------------------------|--------|--------|--------------------------|--------|--------|-------------|----------|---------------------|---------------------|----------------------------------|-------|-------|
|               | Application Capacity¹   |        |        | Application Capacity¹    |        |        | Fan Data    |          | Air Throw           |                     | Minimum Room ²<br>Area (sq. ft.) |       |       |
|               | 10°F TD/-20°F SST       |        |        | 6°C TD/-4°C SST          |        |        |             |          |                     |                     |                                  |       |       |
|               | R454A                   | R454C  | R455A  | R454A                    | R454C  | R455A  | No. of Fans | CFM Data | Ft. Diffused (Opt.) | Ft. Extended (Std.) | R455A                            | R454C | R454A |
| LEM0125*Y4E^A | 11,550                  | 9,800  | 11,000 | 3,400                    | 2,900  | 3,250  | 1           | 2,245    | 45                  | 60                  | 40                               | 59    | 61    |
| LEM0125*Y6E^A | 11,250                  | 9,800  | 11,300 | 3,300                    | 2,900  | 3,350  | 1           | 2,260    | 45                  | 60                  | 35                               | 52    | 54    |
| LEM0135*Y6E^A | 13,100                  | 10,700 | 12,100 | 3,850                    | 3,150  | 3,550  | 1           | 2,172    | 45                  | 60                  | 40                               | 59    | 61    |
| LEM0225*Y4E^A | 20,700                  | 18,000 | 20,300 | 6,100                    | 5,300  | 5,950  | 2           | 4,731    | 45                  | 60                  | 80                               | 120   | 124   |
| LEM0250*Y4E^A | 24,350                  | 21,200 | 24,000 | 7,150                    | 6,250  | 7,050  | 2           | 4,490    | 45                  | 60                  | 117                              | 175   | 181   |
| LEM0250*Y6E^A | 23,850                  | 20,350 | 23,000 | 7,000                    | 6,000  | 6,750  | 2           | 4,538    | 45                  | 60                  | 80                               | 120   | 124   |
| LEM0300*Y6E^A | 27,850                  | 23,800 | 27,100 | 8,200                    | 7,000  | 7,950  | 2           | 4,345    | 45                  | 60                  | 117                              | 175   | 181   |
| LEM0325*Y4E^A | 30,350                  | 26,450 | 29,750 | 8,900                    | 7,800  | 8,750  | 3           | 7,096    | 45                  | 60                  | 124                              | 185   | 192   |
| LEM0370*Y6E^A | 34,950                  | 29,900 | 33,700 | 10,250                   | 8,800  | 9,900  | 3           | 6,807    | 45                  | 60                  | 124                              | 185   | 192   |
| LEM0420*Y4E^A | 38,650                  | 34,200 | 38,450 | 11,350                   | 10,050 | 11,300 | 3           | 6,734    | 45                  | 60                  | 141                              | 211   | 218   |
| LEM0475*Y6E^A | 44,550                  | 38,400 | 43,600 | 13,100                   | 11,250 | 12,800 | 3           | 6,517    | 45                  | 60                  | 141                              | 211   | 218   |
| LEM0490*Y4E^A | 42,800                  | 38,000 | 42,900 | 12,550                   | 11,150 | 12,600 | 4           | 8,786    | 45                  | 60                  | 184                              | 274   | 283   |
| LEM0595*Y6E^A | 52,500                  | 45,500 | 51,750 | 15,400                   | 13,350 | 15,200 | 4           | 8,496    | 45                  | 60                  | 184                              | 274   | 284   |
| LEM0620*Y4E^A | 54,000                  | 48,500 | 54,800 | 15,850                   | 14,250 | 16,100 | 4           | 8,400    | 45                  | 60                  | 188                              | 279   | 288   |
| LEM0720*Y4E^A | 63,400                  | 56,150 | 63,450 | 18,600                   | 16,500 | 18,600 | 5           | 9,993    | 45                  | 60                  | 207                              | 308   | 319   |
| LEM0735*Y6E^A | 64,950                  | 57,350 | 64,950 | 19,050                   | 16,850 | 19,050 | 4           | 8,110    | 45                  | 60                  | 188                              | 279   | 288   |
| LEM0850*Y6E^A | 76,100                  | 66,000 | 74,450 | 22,350                   | 19,350 | 21,850 | 5           | 9,655    | 45                  | 60                  | 206                              | 306   | 317   |

## Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

<sup>2</sup> = Room Area Minimum is calculated using 20 ft line length from the Safety Shut-off Valve (SSOV) to the unit cooler. For applications that require other line lengths, please contact a Heatcraft representative for Room Area Minimum re-calculation.

# A1 PERFORMANCE DATA

## Application Capacity: Low Temperature Electric Defrost- 60 Hz (For EC & PSC Motors)

Please consult AWEF table on page 58 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

|     |               |              | R-404A/R-507A         |                      | R-448A/R-449A         |                      | Fan Data    |        |        | Air Throw |     |                             |      |                           |    |
|-----|---------------|--------------|-----------------------|----------------------|-----------------------|----------------------|-------------|--------|--------|-----------|-----|-----------------------------|------|---------------------------|----|
|     |               |              | Application Capacity¹ |                      | Application Capacity¹ |                      |             |        |        | Diameter  |     | Standard (Molded Fan Guard) |      | Diffused (Wire Fan Guard) |    |
|     |               |              | 10°F TD/<br>-20°F SST | 6°C TD/<br>-29°C SST | 10°F TD/<br>-20°F SST | 6°C TD/<br>-29°C SST |             |        |        |           |     |                             |      |                           |    |
| FPI | New Model     | Legacy Model | BTUH                  | Watts                | BTUH                  | Watts                | No. of Fans | CFM    | m³H    | in.       | mm  | ft.                         | m    | ft.                       | m  |
| 6   | LEM0125*S6E^A | BME101       | 10,100                | 2,950                | 12,500                | 3,650                | 1           | 2,250  | 3,823  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| 6   | LEM0135*S6E^A | BME140       | 14,000                | 4,100                | 17,000                | 5,000                | 1           | 2,150  | 3,653  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| 6   | LEM0250*S6E^A | BME190       | 19,600                | 5,750                | 25,000                | 7,350                | 2           | 4,450  | 7,731  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| 6   | LEM0300*S6E^A | BME260       | 26,000                | 7,600                | 29,600                | 8,650                | 2           | 4,350  | 7,391  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| 6   | LEM0370*S6E^A | BME310       | 31,000                | 9,100                | 36,650                | 10,750               | 3           | 6,800  | 11,553 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| 6   | LEM0475*S6E^A | BME390       | 39,000                | 11,450               | 47,100                | 13,800               | 3           | 6,500  | 11,044 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| 6   | LEM0595*S6E^A | BME430       | 43,750                | 12,800               | 59,150                | 17,350               | 4           | 8,500  | 14,442 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| 6   | LEM0735*S6E^A | BME520       | 53,750                | 15,750               | 73,350                | 21,500               | 4           | 8,100  | 13,762 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| 6   | LEM0850*S6E^A | BME620       | 62,000                | 18,150               | 84,600                | 24,800               | 5           | 9,650  | 16,395 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| 4   | LEM0125*S4E^A | BML100       | 10,000                | 2,950                | 14,000                | 4,100                | 1           | 2,250  | 3,823  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| 4   | LEM0225*S4E^A | BML165       | 17,100                | 5,000                | 21,500                | 6,300                | 2           | 4,750  | 8,070  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| 4   | LEM0250*S4E^A | BML220       | 22,000                | 6,450                | 25,500                | 7,450                | 2           | 4,550  | 7,731  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| 4   | LEM0325*S4E^A | BML250       | 25,000                | 7,350                | 32,500                | 7,500                | 3           | 7,100  | 12,063 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| 4   | LEM0420*S4E^A | BML330       | 33,000                | 9,650                | 41,650                | 12,200               | 3           | 6,750  | 11,468 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| 4   | LEM0490*S4E^A | BML370       | 37,000                | 10,850               | 48,750                | 14,300               | 4           | 8,800  | 14,951 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| 4   | LEM0620*S4E^A | BML440       | 45,400                | 13,300               | 61,650                | 10,850               | 4           | 8,400  | 14,272 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |
| 4   | LEM0720*S4E^A | BML530       | 53,000                | 15,550               | 71,250                | 20,900               | 5           | 10,000 | 16,990 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |

### Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

# A1 PERFORMANCE DATA

## Application Capacity: Low Temperature Electric Defrost- 60 Hz (For EC & PSC Motors)

Please consult AWEF table on page 58 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

|     |               |              | R-407A/R-407F         |                      | R-407C                |                      |             |        |        |     |     |     | Air Throw |     |          |  |                             |  |                           |  |
|-----|---------------|--------------|-----------------------|----------------------|-----------------------|----------------------|-------------|--------|--------|-----|-----|-----|-----------|-----|----------|--|-----------------------------|--|---------------------------|--|
|     |               |              | Application Capacity¹ |                      | Application Capacity¹ |                      |             |        |        |     |     |     | Fan Data  |     | Diameter |  | Standard (Molded Fan Guard) |  | Diffused (Wire Fan Guard) |  |
|     |               |              | 10°F TD/<br>-20°F SST | 6°C TD/<br>-29°C SST | 10°F TD/<br>-20°F SST | 6°C TD/<br>-29°C SST |             |        |        |     |     |     |           |     |          |  |                             |  |                           |  |
| FPI | New Model     | Legacy Model | BTUH                  | Watts                | BTUH                  | Watts                | No. of Fans | CFM    | m³H    | in. | mm  | ft. | m         | ft. | m        |  |                             |  |                           |  |
| 6   | LEM0125*S6E^A | BME101       | 11,200                | 3,300                | 11,200                | 3,300                | 1           | 2,250  | 3,823  | 18  | 457 | 60  | 18.5      | 45  | 14       |  |                             |  |                           |  |
| 6   | LEM0135*S6E^A | BME140       | 16,000                | 4,700                | 15,000                | 4,400                | 1           | 2,150  | 3,653  | 18  | 457 | 60  | 18.5      | 45  | 14       |  |                             |  |                           |  |
| 6   | LEM0250*S6E^A | BME190       | 21,650                | 6,350                | 20,500                | 6,000                | 2           | 4,450  | 7,731  | 18  | 457 | 60  | 18.5      | 45  | 14       |  |                             |  |                           |  |
| 6   | LEM0300*S6E^A | BME260       | 28,500                | 8,350                | 28,500                | 8,350                | 2           | 4,350  | 7,391  | 18  | 457 | 60  | 18.5      | 45  | 14       |  |                             |  |                           |  |
| 6   | LEM0370*S6E^A | BME310       | 34,000                | 9,950                | 34,000                | 9,950                | 3           | 6,800  | 11,553 | 18  | 457 | 60  | 18.5      | 45  | 14       |  |                             |  |                           |  |
| 6   | LEM0475*S6E^A | BME390       | 43,000                | 12,600               | 43,000                | 12,600               | 3           | 6,500  | 11,044 | 18  | 457 | 60  | 18.5      | 45  | 14       |  |                             |  |                           |  |
| 6   | LEM0595*S6E^A | BME430       | 49,150                | 14,400               | 46,500                | 13,650               | 4           | 8,500  | 14,442 | 18  | 457 | 60  | 18.5      | 45  | 14       |  |                             |  |                           |  |
| 6   | LEM0735*S6E^A | BME520       | 61,250                | 17,950               | 57,000                | 16,700               | 4           | 8,100  | 13,762 | 18  | 457 | 60  | 18.5      | 45  | 14       |  |                             |  |                           |  |
| 6   | LEM0850*S6E^A | BME620       | 71,520                | 20,950               | 68,000                | 19,950               | 5           | 9,650  | 16,395 | 18  | 457 | 60  | 18.5      | 45  | 14       |  |                             |  |                           |  |
| 4   | LEM0125*S4E^A | BML100       | 12,500                | 3,650                | 12,000                | 3,500                | 1           | 2,250  | 3,823  | 18  | 457 | 60  | 18.5      | 45  | 14       |  |                             |  |                           |  |
| 4   | LEM0225*S4E^A | BML165       | 18,750                | 5,500                | 18,750                | 5,500                | 2           | 4,750  | 8,070  | 18  | 457 | 60  | 18.5      | 45  | 14       |  |                             |  |                           |  |
| 4   | LEM0250*S4E^A | BML220       | 24,000                | 7,050                | 24,000                | 7,050                | 2           | 4,550  | 7,731  | 18  | 457 | 60  | 18.5      | 45  | 14       |  |                             |  |                           |  |
| 4   | LEM0325*S4E^A | BML250       | 27,900                | 8,200                | 27,000                | 7,900                | 3           | 7,100  | 12,063 | 18  | 457 | 60  | 18.5      | 45  | 14       |  |                             |  |                           |  |
| 4   | LEM0420*S4E^A | BML330       | 36,500                | 10,700               | 36,500                | 10,700               | 3           | 6,750  | 11,468 | 18  | 457 | 60  | 18.5      | 45  | 14       |  |                             |  |                           |  |
| 4   | LEM0490*S4E^A | BML370       | 40,500                | 11,850               | 40,000                | 11,700               | 4           | 8,800  | 14,951 | 18  | 457 | 60  | 18.5      | 45  | 14       |  |                             |  |                           |  |
| 4   | LEM0620*S4E^A | BML440       | 51,250                | 15,000               | 48,500                | 14,200               | 4           | 8,400  | 14,272 | 18  | 457 | 60  | 18.5      | 45  | 14       |  |                             |  |                           |  |
| 4   | LEM0720*S4E^A | BML530       | 59,600                | 17,450               | 58,000                | 17,000               | 5           | 10,000 | 16,990 | 18  | 457 | 60  | 18.5      | 45  | 14       |  |                             |  |                           |  |

### Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

# CO<sub>2</sub> PERFORMANCE DATA

Application Capacity: Low Temperature Electric Defrost- 60 Hz (For EC & PSC Motors)

Please consult AWEF table on page 55 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

|     |               |              | CO <sub>2</sub> DX                |                      | Fan Data    |        |        | Air Throw |     |                                |      |                              |    |
|-----|---------------|--------------|-----------------------------------|----------------------|-------------|--------|--------|-----------|-----|--------------------------------|------|------------------------------|----|
|     |               |              | Application Capacity <sup>1</sup> |                      |             |        |        | Diameter  |     | Standard<br>(Molded Fan Guard) |      | Diffused<br>(Wire Fan Guard) |    |
|     |               |              | 10°F TD/<br>-20°F SST             | 6°C TD/<br>-29°C SST |             |        |        |           |     |                                |      |                              |    |
| FPI | New Model     | Legacy Model | BTUH                              | Watts                | No. of Fans | CFM    | m³H    | in.       | mm  | ft.                            | m    | ft.                          | m  |
| 6   | LEM0125*C6E^A | BMEC101      | 11,200                            | 3,300                | 1           | 2,250  | 3,823  | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 6   | LEM0135*C6E^A | BMEC140      | 16,000                            | 4,700                | 1           | 2,150  | 3,653  | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 6   | LEM0250*C6E^A | BMEC190      | 21,650                            | 6,350                | 2           | 4,450  | 7,731  | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 6   | LEM0300*C6E^A | BMEC260      | 28,500                            | 8,350                | 2           | 4,350  | 7,391  | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 6   | LEM0370*C6E^A | BMEC310      | 34,000                            | 9,950                | 3           | 6,800  | 11,553 | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 6   | LEM0475*C6E^A | BMEC390      | 43,000                            | 12,600               | 3           | 6,500  | 11,044 | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 6   | LEM0595*C6E^A | BMEC430      | 49,150                            | 14,400               | 4           | 8,500  | 14,442 | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 6   | LEM0735*C6E^A | BMEC520      | 61,250                            | 17,950               | 4           | 8,100  | 13,762 | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 6   | LEM0850*C6E^A | BMEC620      | 71,520                            | 20,950               | 5           | 9,650  | 16,395 | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 4   | LEM0125*C4E^A | BMLC100      | 12,500                            | 3,650                | 1           | 2,250  | 3,823  | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 4   | LEM0225*C4E^A | BMLC165      | 18,750                            | 5,500                | 2           | 4,750  | 8,070  | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 4   | LEM0250*C4E^A | BMLC220      | 24,000                            | 7,050                | 2           | 4,550  | 7,731  | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 4   | LEM0325*C4E^A | BMLC250      | 27,900                            | 8,200                | 3           | 7,100  | 12,063 | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 4   | LEM0420*C4E^A | BMLC330      | 36,500                            | 10,700               | 3           | 6,750  | 11,468 | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 4   | LEM0490*C4E^A | BMLC370      | 40,500                            | 11,850               | 4           | 8,800  | 14,951 | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 4   | LEM0620*C4E^A | BMLC440      | 51,250                            | 15,000               | 4           | 8,400  | 14,272 | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 4   | LEM0720*C4E^A | BMLC530      | 59,600                            | 17,450               | 5           | 10,000 | 16,990 | 18        | 457 | 60                             | 18.5 | 45                           | 14 |

## Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

# A1 PERFORMANCE DATA

## Application Capacity: Low Temperature Electric Defrost- 50 Hz (For PSC Motors)<sup>†</sup>

Please consult AWEF table on page 58 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

|     |               |              | R-404A/R-507A         |                      | R-448A/R-449A         |                      |             |       |        |           |     |                             |    |                           |    |
|-----|---------------|--------------|-----------------------|----------------------|-----------------------|----------------------|-------------|-------|--------|-----------|-----|-----------------------------|----|---------------------------|----|
|     |               |              | Application Capacity¹ |                      | Application Capacity¹ |                      |             |       |        |           |     |                             |    |                           |    |
|     |               |              | 10°F TD/<br>-20°F SST | 6°C TD/<br>-29°C SST | 10°F TD/<br>-20°F SST | 6°C TD/<br>-29°C SST | Fan Data    |       |        | Air Throw |     | Standard (Molded Fan Guard) |    | Diffused (Wire Fan Guard) |    |
| FPI | New Model     | Legacy Model | BTUH                  | Watts                | BTUH                  | Watts                | No. of Fans | CFM   | m³H    | Diameter  |     | ft.                         | m  | ft.                       | m  |
| 6   | LEM0125*S6E^A | BME101       | 9,300                 | 2,750                | 11,500                | 3,350                | 1           | 2,025 | 3,440  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0135*S6E^A | BME140       | 12,900                | 3,800                | 15,650                | 4,600                | 1           | 1,935 | 3,288  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0250*S6E^A | BME190       | 10,850                | 5,300                | 23,000                | 6,750                | 2           | 4,095 | 6,957  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0300*S6E^A | BME260       | 23,900                | 7,000                | 27,250                | 8,000                | 2           | 3,915 | 6,652  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0370*S6E^A | BME310       | 28,500                | 8,350                | 33,700                | 9,900                | 3           | 6,120 | 10,398 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0475*S6E^A | BME390       | 35,900                | 10,500               | 43,350                | 12,700               | 3           | 5,850 | 9,939  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0595*S6E^A | BME430       | 40,250                | 11,800               | 54,400                | 15,950               | 4           | 7,650 | 12,997 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0735*S6E^A | BME520       | 49,450                | 14,500               | 67,500                | 19,800               | 4           | 7,290 | 12,386 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0850*S6E^A | BME620       | 57,050                | 16,700               | 77,850                | 22,800               | 5           | 8,685 | 14,756 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0125*S4E^A | BML100       | 9,200                 | 2,700                | 12,900                | 3,800                | 1           | 2,025 | 3,440  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0225*S4E^A | BML165       | 15,750                | 4,600                | 19,800                | 5,800                | 2           | 4,275 | 7,263  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0250*S4E^A | BML220       | 20,250                | 5,950                | 23,450                | 6,850                | 2           | 4,095 | 6,957  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0325*S4E^A | BML250       | 23,000                | 6,750                | 29,900                | 8,750                | 3           | 6,390 | 10,857 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0420*S4E^A | BML330       | 30,350                | 8,900                | 38,300                | 11,200               | 3           | 6,075 | 10,312 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0490*S4E^A | BML370       | 34,050                | 10,000               | 44,850                | 13,150               | 4           | 7,920 | 13,456 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0620*S4E^A | BML440       | 41,750                | 12,250               | 56,700                | 16,600               | 4           | 7,560 | 12,845 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0720*S4E^A | BML530       | 48,750                | 14,300               | 65,550                | 19,200               | 5           | 9,000 | 15,291 | 18        | 457 | 55                          | 17 | 40                        | 13 |

### Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

<sup>†</sup> = For single speed and 2-speed EC motors, use 60 Hz capacity and airflow values. (units with EC motors operating at 50 Hz will not see a reduction in performance due to the electronic control of the motor)

Net Capacity is available upon request

# A1 PERFORMANCE DATA

## Application Capacity: Low Temperature Electric Defrost- 50 Hz (For PSC Motors)<sup>†</sup>

Please consult AWEF table on page 58 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

|     |               |              | R-407A/R-407F         |                      | R-407C                |                      | Fan Data    |       |        | Air Throw |     |                             |    |                           |    |
|-----|---------------|--------------|-----------------------|----------------------|-----------------------|----------------------|-------------|-------|--------|-----------|-----|-----------------------------|----|---------------------------|----|
|     |               |              | Application Capacity¹ |                      | Application Capacity¹ |                      |             |       |        | Diameter  |     | Standard (Molded Fan Guard) |    | Diffused (Wire Fan Guard) |    |
|     |               |              | 10°F TD/<br>-20°F SST | 6°C TD/<br>-29°C SST | 10°F TD/<br>-20°F SST | 6°C TD/<br>-29°C SST |             |       |        |           |     |                             |    |                           |    |
| FPI | New Model     | Legacy Model | BTUH                  | Watts                | BTUH                  | Watts                | No. of Fans | CFM   | m³H    | in.       | mm  | ft.                         | m  | ft.                       | m  |
| 6   | LEM0125*S6E^A | BME101       | 10,300                | 3,000                | 10,300                | 3,000                | 1           | 2,025 | 3,440  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0135*S6E^A | BME140       | 14,700                | 4,300                | 13,800                | 4,050                | 1           | 1,935 | 3,288  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0250*S6E^A | BME190       | 19,900                | 5,850                | 18,850                | 5,500                | 2           | 4,095 | 6,957  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0300*S6E^A | BME260       | 26,200                | 7,700                | 26,200                | 7,700                | 2           | 3,915 | 6,652  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0370*S6E^A | BME310       | 31,300                | 9,150                | 31,300                | 9,150                | 3           | 6,120 | 10,398 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0475*S6E^A | BME390       | 39,550                | 11,600               | 39,550                | 11,600               | 3           | 5,850 | 9,939  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0595*S6E^A | BME430       | 45,200                | 13,250               | 42,800                | 12,550               | 4           | 7,650 | 12,997 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0735*S6E^A | BME520       | 56,350                | 16,500               | 52,450                | 15,350               | 4           | 7,290 | 12,386 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0850*S6E^A | BME620       | 65,800                | 19,300               | 62,550                | 18,350               | 5           | 8,685 | 14,756 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0125*S4E^A | BML100       | 11,500                | 3,350                | 11,050                | 3,250                | 1           | 2,025 | 3,440  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0225*S4E^A | BML165       | 17,250                | 5,050                | 17,250                | 5,050                | 2           | 4,275 | 7,263  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0250*S4E^A | BML220       | 22,100                | 6,500                | 22,100                | 6,500                | 2           | 4,095 | 6,957  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0325*S4E^A | BML250       | 25,650                | 7,500                | 24,850                | 7,300                | 3           | 6,390 | 10,857 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0420*S4E^A | BML330       | 33,600                | 9,850                | 33,600                | 9,850                | 3           | 6,075 | 10,312 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0490*S4E^A | BML370       | 37,250                | 10,900               | 36,800                | 10,800               | 4           | 7,920 | 13,456 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0620*S4E^A | BML440       | 47,150                | 13,800               | 44,600                | 13,050               | 4           | 7,560 | 12,845 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0720*S4E^A | BML530       | 54,850                | 16,050               | 53,350                | 15,650               | 5           | 9,000 | 15,291 | 18        | 457 | 55                          | 17 | 40                        | 13 |

### Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

<sup>†</sup> = For single speed and 2-speed EC motors, use 60 Hz capacity and airflow values. (units with EC motors operating at 50 Hz will not see a reduction in performance due to the electronic control of the motor)

Net Capacity is available upon request

# CO<sub>2</sub> PERFORMANCE DATA

Application Capacity: Low Temperature Electric Defrost- 50 Hz (For PSC Motors)<sup>†</sup>

Please consult AWEF table on page 58 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

|     |               |              | CO <sub>2</sub> DX                |                      | Fan Data    |       |        | Air Throw |     |                             |    |                           |    |
|-----|---------------|--------------|-----------------------------------|----------------------|-------------|-------|--------|-----------|-----|-----------------------------|----|---------------------------|----|
|     |               |              | Application Capacity <sup>1</sup> |                      |             |       |        | Diameter  |     | Standard (Molded Fan Guard) |    | Diffused (Wire Fan Guard) |    |
|     |               |              | 10°F TD/<br>-20°F SST             | 6°C TD/<br>-29°C SST |             |       |        |           |     |                             |    |                           |    |
| FPI | New Model     | Legacy Model | BTUH                              | Watts                | No. of Fans | CFM   | m³H    | in.       | mm  | ft.                         | m  | ft.                       | m  |
| 6   | LEM0125*C6E^A | BMEC101      | 10,300                            | 3,000                | 1           | 2,025 | 3,440  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0135*C6E^A | BMEC140      | 14,700                            | 4,300                | 1           | 1,935 | 3,288  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0250*C6E^A | BMEC190      | 19,900                            | 5,850                | 2           | 4,095 | 6,957  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0300*C6E^A | BMEC260      | 26,200                            | 7,700                | 2           | 3,915 | 6,652  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0370*C6E^A | BMEC310      | 31,300                            | 9,150                | 3           | 6,120 | 10,398 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0475*C6E^A | BMEC390      | 39,550                            | 11,600               | 3           | 5,850 | 9,939  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0125*C4E^A | BMLC100      | 11,500                            | 3,350                | 1           | 2,025 | 3,440  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0225*C4E^A | BMLC165      | 17,250                            | 5,050                | 2           | 4,275 | 7,263  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0250*C4E^A | BMLC220      | 22,100                            | 6,500                | 2           | 4,095 | 6,957  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0325*C4E^A | BMLC250      | 25,650                            | 7,500                | 3           | 6,390 | 10,857 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0420*C4E^A | BMLC330      | 33,600                            | 9,850                | 3           | 6,075 | 10,312 | 18        | 457 | 55                          | 17 | 40                        | 13 |

## Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

## A2L PERFORMANCE DATA

Application Capacity: Medium Temperature Electric Defrost- 60 Hz (For EC & PSC Motors)

Please consult AWEF table on page 56 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

| New Model     | R454A/R-454C/<br>R-455A |        |         | R-454A/R-454C/<br>R-455A |        |        |             |          |                     |                     |                                  |       |       |
|---------------|-------------------------|--------|---------|--------------------------|--------|--------|-------------|----------|---------------------|---------------------|----------------------------------|-------|-------|
|               | Application Capacity¹   |        |         | Application Capacity¹    |        |        | Fan Data    |          | Air Throw           |                     | Minimum Room ²<br>Area (sq. ft.) |       |       |
|               | 10°F TD/-20°F SST       |        |         | 6°C TD/-4°C SST          |        |        |             |          |                     |                     |                                  |       |       |
|               | R454A                   | R454C  | R455A   | R454A                    | R454C  | R455A  | No. of Fans | CFM Data | Ft. Diffused (Opt.) | Ft. Extended (Std.) | R455A                            | R454C | R454A |
| LEM0125*Y4E^A | 16,050                  | 15,050 | 17,400  | 4,750                    | 4,450  | 5,100  | 1           | 2,245    | 45                  | 60                  | 40                               | 59    | 61    |
| LEM0125*Y6E^A | 11,500                  | 10,950 | 15,600  | 3,400                    | 3,250  | 4,600  | 1           | 2,260    | 45                  | 60                  | 35                               | 52    | 54    |
| LEM0135*Y6E^A | 18,650                  | 17,250 | 20,000  | 5,500                    | 5,100  | 5,900  | 1           | 2,172    | 45                  | 60                  | 40                               | 59    | 61    |
| LEM0225*Y4E^A | 20,950                  | 20,250 | 22,950  | 6,150                    | 5,950  | 6,750  | 2           | 4,731    | 45                  | 60                  | 80                               | 120   | 124   |
| LEM0250*Y4E^A | 32,400                  | 30,800 | 35,600  | 9,500                    | 9,050  | 10,450 | 2           | 4,490    | 45                  | 60                  | 117                              | 175   | 181   |
| LEM0250*Y6E^A | 30,800                  | 23,650 | 33,550  | 9,050                    | 6,950  | 9,850  | 2           | 4,538    | 45                  | 60                  | 80                               | 120   | 124   |
| LEM0300*Y6E^A | 34,100                  | 32,150 | 37,300  | 10,000                   | 9,450  | 10,950 | 2           | 4,345    | 45                  | 60                  | 117                              | 175   | 181   |
| LEM0325*Y4E^A | 33,700                  | 32,650 | 37,000  | 9,900                    | 9,600  | 10,850 | 3           | 7,096    | 45                  | 60                  | 124                              | 185   | 192   |
| LEM0370*Y6E^A | 46,800                  | 35,900 | 40,900  | 13,750                   | 10,550 | 12,000 | 3           | 6,807    | 45                  | 60                  | 124                              | 185   | 192   |
| LEM0420*Y4E^A | 44,050                  | 42,000 | 48,650  | 12,950                   | 12,350 | 14,300 | 3           | 6,734    | 45                  | 60                  | 141                              | 211   | 218   |
| LEM0475*Y6E^A | 56,750                  | 53,700 | 62,400  | 16,650                   | 15,750 | 18,300 | 3           | 6,517    | 45                  | 60                  | 141                              | 211   | 218   |
| LEM0490*Y4E^A | 48,850                  | 47,100 | 53,950  | 14,350                   | 13,850 | 15,850 | 4           | 8,786    | 45                  | 60                  | 184                              | 274   | 283   |
| LEM0595*Y6E^A | 67,800                  | 51,900 | 74,000  | 19,900                   | 15,250 | 21,700 | 4           | 8,496    | 45                  | 60                  | 184                              | 274   | 284   |
| LEM0620*Y4E^A | 66,000                  | 54,250 | 73,200  | 19,350                   | 15,900 | 21,500 | 4           | 8,400    | 45                  | 60                  | 188                              | 279   | 288   |
| LEM0720*Y4E^A | 71,350                  | 64,600 | 78,750  | 20,950                   | 18,950 | 23,100 | 5           | 9,993    | 45                  | 60                  | 207                              | 308   | 319   |
| LEM0735*Y6E^A | 80,500                  | 76,050 | 89,000  | 23,600                   | 22,350 | 26,100 | 4           | 8,110    | 45                  | 60                  | 188                              | 279   | 288   |
| LEM0850*Y6E^A | 96,400                  | 90,800 | 105,750 | 28,300                   | 26,650 | 31,050 | 5           | 9,655    | 45                  | 60                  | 206                              | 306   | 317   |

### Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

<sup>2</sup> = Room Area Minimum is calculated using 20 ft line length from the Safety Shut-off Valve (SSOV) to the unit cooler. For applications that require other line lengths, please contact a Heatcraft representative for Room Area Minimum re-calculation.

# A1 PERFORMANCE DATA

Application Capacity: Medium Temperature Electric Defrost- 60 Hz (For EC & PSC Motors)

Please consult AWEF table on page 57 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

|     |               |                 | R-404A/R-507A                     |                     | R-448A/R-449A                     |                     |                   |        |        |          |     |     |          |     |                                   |
|-----|---------------|-----------------|-----------------------------------|---------------------|-----------------------------------|---------------------|-------------------|--------|--------|----------|-----|-----|----------|-----|-----------------------------------|
|     |               |                 | Application Capacity <sup>1</sup> |                     | Application Capacity <sup>1</sup> |                     |                   |        |        |          |     |     |          |     |                                   |
|     |               |                 | 10°F TD/<br>25°F SST              | 6°C TD/<br>-4°C SST | 10°F TD/<br>25°F SST              | 6°C TD/<br>-4°C SST |                   |        |        | Fan Data |     |     | Diameter |     | Standard<br>(Molded<br>Fan Guard) |
| FPI | New Model     | Legacy<br>Model | BTUH                              | Watts               | BTUH                              | Watts               | No.<br>of<br>Fans | CFM    | m³H    | in.      | mm  | ft. | m        | ft. | m                                 |
| 6   | LEM0125*S6E^A | BME101          | 11,600                            | 3,400               | 14,500                            | 4,250               | 1                 | 2,250  | 3,823  | 18       | 457 | 60  | 18.5     | 45  | 14                                |
| 6   | LEM0135*S6E^A | BME140          | 16,100                            | 4,700               | 17,800                            | 5,200               | 1                 | 2,150  | 3,653  | 18       | 457 | 60  | 18.5     | 45  | 14                                |
| 6   | LEM0250*S6E^A | BME190          | 22,750                            | 6,650               | 29,000                            | 8,500               | 2                 | 4,450  | 7,731  | 18       | 457 | 60  | 18.5     | 45  | 14                                |
| 6   | LEM0300*S6E^A | BME260          | 29,900                            | 8,750               | 34,350                            | 10,050              | 2                 | 4,350  | 7,391  | 18       | 457 | 60  | 18.5     | 45  | 14                                |
| 6   | LEM0370*S6E^A | BME310          | 35,650                            | 10,450              | 42,500                            | 12,450              | 3                 | 6,800  | 11,553 | 18       | 457 | 60  | 18.5     | 45  | 14                                |
| 6   | LEM0475*S6E^A | BME390          | 44,850                            | 13,150              | 54,650                            | 16,000              | 3                 | 6,500  | 11,044 | 18       | 457 | 60  | 18.5     | 45  | 14                                |
| 6   | LEM0595*S6E^A | BME430          | 49,450                            | 14,500              | 68,600                            | 20,100              | 4                 | 8,500  | 14,442 | 18       | 457 | 60  | 18.5     | 45  | 14                                |
| 6   | LEM0735*S6E^A | BME520          | 62,350                            | 18,250              | 85,100                            | 24,950              | 4                 | 8,100  | 13,762 | 18       | 457 | 60  | 18.5     | 45  | 14                                |
| 6   | LEM0850*S6E^A | BME620          | 71,500                            | 20,950              | 98,000                            | 28,700              | 5                 | 9,650  | 16,395 | 18       | 457 | 60  | 18.5     | 45  | 14                                |
| 4   | LEM0125*S4E^A | BML100          | 11,500                            | 3,350               | 14,100                            | 4,150               | 1                 | 2,250  | 3,823  | 18       | 457 | 60  | 18.5     | 45  | 14                                |
| 4   | LEM0225*S4E^A | BML165          | 19,850                            | 5,800               | 25,650                            | 7,500               | 2                 | 4,750  | 8,070  | 18       | 457 | 60  | 18.5     | 45  | 14                                |
| 4   | LEM0250*S4E^A | BML220          | 15,300                            | 7,400               | 27,600                            | 8,100               | 2                 | 4,550  | 7,731  | 18       | 457 | 60  | 18.5     | 45  | 14                                |
| 4   | LEM0325*S4E^A | BML250          | 29,000                            | 8,500               | 37,700                            | 11,050              | 3                 | 7,100  | 12,063 | 18       | 457 | 60  | 18.5     | 45  | 14                                |
| 4   | LEM0420*S4E^A | BML330          | 37,950                            | 11,100              | 48,300                            | 14,150              | 3                 | 6,750  | 11,468 | 18       | 457 | 60  | 18.5     | 45  | 14                                |
| 4   | LEM0490*S4E^A | BML370          | 42,550                            | 12,450              | 56,550                            | 16,550              | 4                 | 8,800  | 14,951 | 18       | 457 | 60  | 18.5     | 45  | 14                                |
| 4   | LEM0620*S4E^A | BML440          | 52,650                            | 15,450              | 71,500                            | 20,950              | 4                 | 8,400  | 14,272 | 18       | 457 | 60  | 18.5     | 45  | 14                                |
| 4   | LEM0720*S4E^A | BML530          | 61,350                            | 18,000              | 82,650                            | 24,200              | 5                 | 10,000 | 16,990 | 18       | 457 | 60  | 18.5     | 45  | 14                                |

## Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

# A1 PERFORMANCE DATA

Application Capacity: Medium Temperature Electric Defrost- 60 Hz (For EC & PSC Motors)

Please consult AWEF table on page 57 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

|     |               |              | R-407A/R-407F         |                     | R-407C                |                     |             |        |        |     |     |     | Air Throw |     |                             |  |                           |  |
|-----|---------------|--------------|-----------------------|---------------------|-----------------------|---------------------|-------------|--------|--------|-----|-----|-----|-----------|-----|-----------------------------|--|---------------------------|--|
|     |               |              | Application Capacity¹ |                     | Application Capacity¹ |                     |             |        |        |     |     |     | Diameter  |     | Standard (Molded Fan Guard) |  | Diffused (Wire Fan Guard) |  |
|     |               |              | 10°F TD/<br>25°F SST  | 6°C TD/<br>-4°C SST | 10°F TD/<br>25°F SST  | 6°C TD/<br>-4°C SST |             |        |        |     |     |     |           |     |                             |  |                           |  |
| FPI | New Model     | Legacy Model | BTUH                  | Watts               | BTUH                  | Watts               | No. of Fans | CFM    | m³H    | in. | mm  | ft. | m         | ft. | m                           |  |                           |  |
| 6   | LEM0125*S6E^A | BME101       | 12,900                | 3,800               | 12,850                | 3,750               | 1           | 2,250  | 3,823  | 18  | 457 | 60  | 18.5      | 45  | 14                          |  |                           |  |
| 6   | LEM0135*S6E^A | BME140       | 17,800                | 5,200               | 16,750                | 4,900               | 1           | 2,150  | 3,653  | 18  | 457 | 60  | 18.5      | 45  | 14                          |  |                           |  |
| 6   | LEM0250*S6E^A | BME190       | 25,100                | 7,350               | 23,600                | 6,900               | 2           | 4,450  | 7,731  | 18  | 457 | 60  | 18.5      | 45  | 14                          |  |                           |  |
| 6   | LEM0300*S6E^A | BME260       | 32,750                | 9,600               | 32,800                | 9,600               | 2           | 4,350  | 7,391  | 18  | 457 | 60  | 18.5      | 45  | 14                          |  |                           |  |
| 6   | LEM0370*S6E^A | BME310       | 39,100                | 11,450              | 39,100                | 11,450              | 3           | 6,800  | 11,553 | 18  | 457 | 60  | 18.5      | 45  | 14                          |  |                           |  |
| 6   | LEM0475*S6E^A | BME390       | 49,450                | 14,500              | 49,450                | 14,500              | 3           | 6,500  | 11,044 | 18  | 457 | 60  | 18.5      | 45  | 14                          |  |                           |  |
| 6   | LEM0595*S6E^A | BME430       | 57,000                | 16,700              | 53,500                | 15,700              | 4           | 8,500  | 14,442 | 18  | 457 | 60  | 18.5      | 45  | 14                          |  |                           |  |
| 6   | LEM0735*S6E^A | BME520       | 71,000                | 20,800              | 65,550                | 19,200              | 4           | 8,100  | 13,762 | 18  | 457 | 60  | 18.5      | 45  | 14                          |  |                           |  |
| 6   | LEM0850*S6E^A | BME620       | 82,650                | 24,200              | 78,200                | 22,900              | 5           | 9,650  | 16,395 | 18  | 457 | 60  | 18.5      | 45  | 14                          |  |                           |  |
| 4   | LEM0125*S4E^A | BML100       | 12,650                | 3,700               | 12,650                | 3,700               | 1           | 2,250  | 3,823  | 18  | 457 | 60  | 18.5      | 45  | 14                          |  |                           |  |
| 4   | LEM0225*S4E^A | BML165       | 21,750                | 6,350               | 20,700                | 6,050               | 2           | 4,750  | 8,070  | 18  | 457 | 60  | 18.5      | 45  | 14                          |  |                           |  |
| 4   | LEM0250*S4E^A | BML220       | 27,600                | 8,100               | 27,600                | 8,100               | 2           | 4,550  | 7,731  | 18  | 457 | 60  | 18.5      | 45  | 14                          |  |                           |  |
| 4   | LEM0325*S4E^A | BML250       | 32,350                | 9,500               | 31,050                | 9,100               | 3           | 7,100  | 12,063 | 18  | 457 | 60  | 18.5      | 45  | 14                          |  |                           |  |
| 4   | LEM0420*S4E^A | BML330       | 41,950                | 12,300              | 41,950                | 12,300              | 3           | 6,750  | 11,468 | 18  | 457 | 60  | 18.5      | 45  | 14                          |  |                           |  |
| 4   | LEM0490*S4E^A | BML370       | 46,850                | 13,750              | 46,000                | 13,500              | 4           | 8,800  | 14,951 | 18  | 457 | 60  | 18.5      | 45  | 14                          |  |                           |  |
| 4   | LEM0620*S4E^A | BML440       | 59,500                | 17,450              | 55,750                | 16,350              | 4           | 8,400  | 14,272 | 18  | 457 | 60  | 18.5      | 45  | 14                          |  |                           |  |
| 4   | LEM0720*S4E^A | BML530       | 69,150                | 20,250              | 67,250                | 19,700              | 5           | 10,000 | 16,990 | 18  | 457 | 60  | 18.5      | 45  | 14                          |  |                           |  |

## Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

# CO<sub>2</sub> PERFORMANCE DATA

Application Capacity: Medium Temperature Electric Defrost- 60 Hz (For EC & PSC Motors)

Please consult AWEF table on page 55 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

|     |               |              | CO <sub>2</sub> DX                |                     | Fan Data    |        |        | Air Throw |     |                                |      |                              |    |
|-----|---------------|--------------|-----------------------------------|---------------------|-------------|--------|--------|-----------|-----|--------------------------------|------|------------------------------|----|
|     |               |              | Application Capacity <sup>1</sup> |                     |             |        |        | Diameter  |     | Standard<br>(Molded Fan Guard) |      | Diffused<br>(Wire Fan Guard) |    |
|     |               |              | 10°F TD/<br>25°F SST              | 6°C TD/<br>-4°C SST |             |        |        |           |     |                                |      |                              |    |
| FPI | New Model     | Legacy Model | BTUH                              | Watts               | No. of Fans | CFM    | m³H    | in.       | mm  | ft.                            | m    | ft.                          | m  |
| 6   | LEM0125*C6E^A | BMEY101      | 12,900                            | 3,800               | 1           | 2,250  | 3,823  | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 6   | LEM0135*C6E^A | BMEY140      | 17,800                            | 5,200               | 1           | 2,150  | 3,653  | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 6   | LEM0250*C6E^A | BMEY190      | 25,100                            | 7,350               | 2           | 4,450  | 7,731  | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 6   | LEM0300*C6E^A | BMEY260      | 32,750                            | 9,600               | 2           | 4,350  | 7,391  | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 6   | LEM0370*C6E^A | BMEY310      | 39,100                            | 11,450              | 3           | 6,800  | 11,553 | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 6   | LEM0475*C6E^A | BMEY390      | 49,450                            | 14,500              | 3           | 6,500  | 11,044 | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 6   | LEM0595*C6E^A | BMEY430      | 57,000                            | 16,700              | 4           | 8,500  | 14,442 | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 6   | LEM0735*C6E^A | BMEY520      | 71,000                            | 20,800              | 4           | 8,100  | 13,762 | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 6   | LEM0850*C6E^A | BMEY620      | 82,650                            | 24,200              | 5           | 9,650  | 16,395 | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 4   | LEM0125*C4E^A | NA           | 12,650                            | 3,700               | 1           | 2,250  | 3,823  | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 4   | LEM0225*C4E^A | NA           | 21,750                            | 6,350               | 2           | 4,750  | 8,070  | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 4   | LEM0250*C4E^A | NA           | 27,600                            | 8,100               | 2           | 4,550  | 7,731  | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 4   | LEM0325*C4E^A | NA           | 32,350                            | 9,500               | 3           | 7,100  | 12,063 | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 4   | LEM0420*C4E^A | NA           | 41,950                            | 12,300              | 3           | 6,750  | 11,468 | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 4   | LEM0490*C4E^A | NA           | 46,850                            | 13,750              | 4           | 8,800  | 14,951 | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 4   | LEM0620*C4E^A | NA           | 59,500                            | 17,450              | 4           | 8,400  | 14,272 | 18        | 457 | 60                             | 18.5 | 45                           | 14 |
| 4   | LEM0720*C4E^A | NA           | 69,150                            | 20,250              | 5           | 10,000 | 16,990 | 18        | 457 | 60                             | 18.5 | 45                           | 14 |

## Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

# A1 PERFORMANCE DATA

Application Capacity: Medium Temperature Electric Defrost- 50 Hz (For PSC Motors)<sup>†</sup>

Please consult AWEF table on page 57 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

|     |               |              | R-404A/R-507A         |                     | R-448A/R-449A         |                     |             |       |        |     |     |     | Air Throw |     |                             |  |                           |  |
|-----|---------------|--------------|-----------------------|---------------------|-----------------------|---------------------|-------------|-------|--------|-----|-----|-----|-----------|-----|-----------------------------|--|---------------------------|--|
|     |               |              | Application Capacity¹ |                     | Application Capacity¹ |                     |             |       |        |     |     |     | Diameter  |     | Standard (Molded Fan Guard) |  | Diffused (Wire Fan Guard) |  |
|     |               |              | 10°F TD/<br>25°F SST  | 6°C TD/<br>-4°C SST | 10°F TD/<br>25°F SST  | 6°C TD/<br>-4°C SST |             |       |        |     |     |     |           |     |                             |  |                           |  |
| FPI | New Model     | Legacy Model | BTUH                  | Watts               | BTUH                  | Watts               | No. of Fans | CFM   | m³H    | in. | mm  | ft. | m         | ft. | m                           |  |                           |  |
| 6   | LEM0125*S6E^A | BME101       | 10,650                | 3,100               | 13,350                | 3,900               | 1           | 2,025 | 3,440  | 18  | 457 | 55  | 17        | 40  | 13                          |  |                           |  |
| 6   | LEM0135*S6E^A | BME140       | 14,800                | 4,350               | 16,400                | 4,800               | 1           | 1,935 | 3,288  | 18  | 457 | 55  | 17        | 40  | 13                          |  |                           |  |
| 6   | LEM0250*S6E^A | BME190       | 20,950                | 6,150               | 26,700                | 7,800               | 2           | 4,095 | 6,957  | 18  | 457 | 55  | 17        | 40  | 13                          |  |                           |  |
| 6   | LEM0300*S6E^A | BME260       | 27,500                | 8,050               | 31,600                | 9,250               | 2           | 3,915 | 6,652  | 18  | 457 | 55  | 17        | 40  | 13                          |  |                           |  |
| 6   | LEM0370*S6E^A | BME310       | 32,800                | 9,600               | 39,100                | 11,450              | 3           | 6,120 | 10,398 | 18  | 457 | 55  | 17        | 40  | 13                          |  |                           |  |
| 6   | LEM0475*S6E^A | BME390       | 41,250                | 12,100              | 50,300                | 14,750              | 3           | 5,850 | 9,939  | 18  | 457 | 55  | 17        | 40  | 13                          |  |                           |  |
| 6   | LEM0595*S6E^A | BME430       | 45,500                | 13,350              | 63,100                | 18,500              | 4           | 7,650 | 12,997 | 18  | 457 | 55  | 17        | 40  | 13                          |  |                           |  |
| 6   | LEM0735*S6E^A | BME520       | 57,350                | 16,800              | 78,300                | 22,950              | 4           | 7,290 | 12,386 | 18  | 457 | 55  | 17        | 40  | 13                          |  |                           |  |
| 6   | LEM0850*S6E^A | BME620       | 65,800                | 19,300              | 90,150                | 26,400              | 5           | 8,685 | 14,756 | 18  | 457 | 55  | 17        | 40  | 13                          |  |                           |  |
| 4   | LEM0125*S4E^A | BML100       | 10,600                | 3,100               | 12,950                | 3,800               | 1           | 2,025 | 3,440  | 18  | 457 | 55  | 17        | 40  | 13                          |  |                           |  |
| 4   | LEM0225*S4E^A | BML165       | 18,250                | 5,350               | 23,600                | 6,900               | 2           | 4,275 | 7,263  | 18  | 457 | 55  | 17        | 40  | 13                          |  |                           |  |
| 4   | LEM0250*S4E^A | BML220       | 23,300                | 6,850               | 25,400                | 7,450               | 2           | 4,095 | 6,957  | 18  | 457 | 55  | 17        | 40  | 13                          |  |                           |  |
| 4   | LEM0325*S4E^A | BML250       | 26,700                | 7,800               | 34,700                | 10,150              | 3           | 6,390 | 10,857 | 18  | 457 | 55  | 17        | 40  | 13                          |  |                           |  |
| 4   | LEM0420*S4E^A | BML330       | 34,900                | 10,250              | 44,450                | 13,050              | 3           | 6,075 | 10,312 | 18  | 457 | 55  | 17        | 40  | 13                          |  |                           |  |
| 4   | LEM0490*S4E^A | BML370       | 39,150                | 11,450              | 52,050                | 15,250              | 4           | 7,920 | 13,456 | 18  | 457 | 55  | 17        | 40  | 13                          |  |                           |  |
| 4   | LEM0620*S4E^A | BML440       | 45,480                | 14,200              | 65,800                | 19,300              | 4           | 7,560 | 12,845 | 18  | 457 | 55  | 17        | 40  | 13                          |  |                           |  |
| 4   | LEM0720*S4E^A | BML530       | 56,450                | 16,550              | 76,050                | 22,300              | 5           | 9,000 | 15,291 | 18  | 457 | 55  | 17        | 40  | 13                          |  |                           |  |

## Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

<sup>†</sup> = For single speed and 2-speed EC motors, use 60 Hz capacity and airflow values. (units with EC motors operating at 50 Hz will not see a reduction in performance due to the electronic control of the motor)

Net Capacity is available upon request

# A1 PERFORMANCE DATA

Application Capacity: Medium Temperature Electric Defrost- 50 Hz (For PSC Motors)<sup>†</sup>

Please consult AWEF table on page 57 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

|     |               |                 | R-407A/R-407F         |                     | R-407C                |                     |                   |       |        |          |     |    |          |    |                                   |
|-----|---------------|-----------------|-----------------------|---------------------|-----------------------|---------------------|-------------------|-------|--------|----------|-----|----|----------|----|-----------------------------------|
|     |               |                 | Application Capacity¹ |                     | Application Capacity¹ |                     |                   |       |        |          |     |    |          |    |                                   |
|     |               |                 | 10°F TD/<br>25°F SST  | 6°C TD/<br>-4°C SST | 10°F TD/<br>25°F SST  | 6°C TD/<br>-4°C SST |                   |       |        | Fan Data |     |    | Diameter |    | Standard<br>(Molded<br>Fan Guard) |
| FPI | New Model     | Legacy<br>Model | BTUH                  | Watts               | BTUH                  | Watts               | No.<br>of<br>Fans | CFM   | m³H    |          |     |    |          |    |                                   |
| 6   | LEM0125*S6E^A | BME101          | 11,850                | 3,450               | 11,800                | 3,450               | 1                 | 2,025 | 3,440  | 18       | 457 | 55 | 17       | 40 | 13                                |
| 6   | LEM0135*S6E^A | BME140          | 16,400                | 4,800               | 15,400                | 4,500               | 1                 | 1,935 | 3,288  | 18       | 457 | 55 | 17       | 40 | 13                                |
| 6   | LEM0250*S6E^A | BME190          | 23,100                | 6,750               | 21,700                | 6,350               | 2                 | 4,095 | 6,957  | 18       | 457 | 55 | 17       | 40 | 13                                |
| 6   | LEM0300*S6E^A | BME260          | 30,150                | 8,850               | 30,200                | 8,850               | 2                 | 3,915 | 6,652  | 18       | 457 | 55 | 17       | 40 | 13                                |
| 6   | LEM0370*S6E^A | BME310          | 35,950                | 10,550              | 3,595                 | 10,550              | 3                 | 6,120 | 10,398 | 18       | 457 | 55 | 17       | 40 | 13                                |
| 6   | LEM0475*S6E^A | BME390          | 45,500                | 13,350              | 45,500                | 13,350              | 3                 | 5,850 | 9,939  | 18       | 457 | 55 | 17       | 40 | 13                                |
| 6   | LEM0595*S6E^A | BME430          | 52,450                | 15,350              | 49,200                | 14,400              | 4                 | 7,650 | 12,997 | 18       | 457 | 55 | 17       | 40 | 13                                |
| 6   | LEM0735*S6E^A | BME520          | 65,300                | 19,150              | 60,300                | 17,650              | 4                 | 7,290 | 12,386 | 18       | 457 | 55 | 17       | 40 | 13                                |
| 6   | LEM0850*S6E^A | BME620          | 76,050                | 22,300              | 71,950                | 21,100              | 5                 | 8,685 | 14,756 | 18       | 457 | 55 | 17       | 40 | 13                                |
| 4   | LEM0125*S4E^A | BML100          | 11,650                | 3,400               | 11,650                | 3,400               | 1                 | 2,025 | 3,440  | 18       | 457 | 55 | 17       | 40 | 13                                |
| 4   | LEM0225*S4E^A | BML165          | 20,000                | 5,850               | 19,050                | 5,600               | 2                 | 4,275 | 7,263  | 18       | 457 | 55 | 17       | 40 | 13                                |
| 4   | LEM0250*S4E^A | BML220          | 25,400                | 7,450               | 25,400                | 7,450               | 2                 | 4,095 | 6,957  | 18       | 457 | 55 | 17       | 40 | 13                                |
| 4   | LEM0325*S4E^A | BML250          | 29,750                | 8,700               | 28,550                | 8,350               | 3                 | 6,390 | 10,857 | 18       | 457 | 55 | 17       | 40 | 13                                |
| 4   | LEM0420*S4E^A | BML330          | 38,600                | 11,300              | 38,600                | 11,300              | 3                 | 6,075 | 10,312 | 18       | 457 | 55 | 17       | 40 | 13                                |
| 4   | LEM0490*S4E^A | BML370          | 43,100                | 12,650              | 42,300                | 12,400              | 4                 | 7,920 | 13,456 | 18       | 457 | 55 | 17       | 40 | 13                                |
| 4   | LEM0620*S4E^A | BML440          | 54,750                | 16,050              | 51,300                | 15,050              | 4                 | 7,560 | 12,845 | 18       | 457 | 55 | 17       | 40 | 13                                |
| 4   | LEM0720*S4E^A | BML530          | 63,600                | 18,650              | 61,850                | 18,150              | 5                 | 9,000 | 15,291 | 18       | 457 | 55 | 17       | 40 | 13                                |

## Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

<sup>†</sup> = For single speed and 2-speed EC motors, use 60 Hz capacity and airflow values. (units with EC motors operating at 50 Hz will not see a reduction in performance due to the electronic control of the motor)

Net Capacity is available upon request

## CO<sub>2</sub> PERFORMANCE DATA

Application Capacity: Medium Temperature Electric Defrost- 50 Hz (For PSC Motors)<sup>†</sup>

Please consult AWEF table on page 55 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

|     |               |              | CO <sub>2</sub> DX                |                     | Fan Data    |       |        | Air Throw |     |                             |    |                           |    |
|-----|---------------|--------------|-----------------------------------|---------------------|-------------|-------|--------|-----------|-----|-----------------------------|----|---------------------------|----|
|     |               |              | Application Capacity <sup>1</sup> |                     |             |       |        | Diameter  |     | Standard (Molded Fan Guard) |    | Diffused (Wire Fan Guard) |    |
|     |               |              | 10°F TD/<br>25°F SST              | 6°C TD/<br>-4°C SST |             |       |        |           |     |                             |    |                           |    |
| FPI | New Model     | Legacy Model | BTUH                              | Watts               | No. of Fans | CFM   | m³H    | in.       | mm  | ft.                         | m  | ft.                       | m  |
| 6   | LEM0125*C6E^A | BMEY101      | 11,850                            | 3,450               | 1           | 2,025 | 3,440  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0135*C6E^A | BMEY140      | 16,400                            | 4,800               | 1           | 1,935 | 3,288  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0250*C6E^A | BMEY190      | 23,100                            | 6,750               | 2           | 4,095 | 6,957  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0300*C6E^A | BMEY260      | 30,150                            | 8,850               | 2           | 3,915 | 6,652  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0370*C6E^A | BMEY310      | 35,950                            | 10,550              | 3           | 6,120 | 10,398 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0475*C6E^A | BMEY390      | 45,500                            | 13,350              | 3           | 5,850 | 9,939  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0125*C4E^A | NA           | 11,650                            | 3,400               | 1           | 2,025 | 3,440  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0225*C4E^A | NA           | 20,000                            | 5,850               | 2           | 4,275 | 7,263  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0250*C4E^A | NA           | 25,400                            | 7,450               | 2           | 4,095 | 6,957  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0325*C4E^A | NA           | 29,750                            | 8,700               | 3           | 6,390 | 10,857 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0420*C4E^A | NA           | 38,600                            | 11,300              | 3           | 6,075 | 10,312 | 18        | 457 | 55                          | 17 | 40                        | 13 |

### Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

<sup>†</sup> = For single speed and 2-speed EC motors, use 60 Hz capacity and airflow values. (units with EC motors operating at 50 Hz will not see a reduction in performance due to the electronic control of the motor)

Net Capacity is available upon request

# A2L SPECIFICATIONS

## Electric Defrost- 60 Hz

Please consult AWEF table on page 56 to confirm model meets DOE minimum AWEF

|     |               | EC Motors<br>(includes 2-Speed,<br>Fixed Speed and VSEC) |      |       |     |      | EC Motors<br>(includes 2-Speed,<br>Fixed Speed and VSEC) |      |       |     |      | EC Motors<br>(includes 2-Speed,<br>Fixed Speed and VSEC) |      |       |     |      | EC Motors<br>(includes 2-Speed,<br>Fixed Speed and VSEC) |      |       |     |      |
|-----|---------------|----------------------------------------------------------|------|-------|-----|------|----------------------------------------------------------|------|-------|-----|------|----------------------------------------------------------|------|-------|-----|------|----------------------------------------------------------|------|-------|-----|------|
|     |               | 208-230/1/60                                             |      |       |     |      | 208-230/3/60                                             |      |       |     |      | 460/1/60                                                 |      |       |     |      | 460/3/60                                                 |      |       |     |      |
| FPI | New Model     | HP                                                       | Amps | Watts | MCA | MOPD | HP                                                       | Amps | Watts | MCA | MOPD | HP                                                       | Amps | Watts | MCA | MOPD | HP                                                       | Amps | Watts | MCA | MOPD |
| 4   | LEM0125*Y4E^A | 1/4                                                      | 1.7  | 213   | 15  | 20   | 1/4                                                      | 1.7  | 213   | 15  | 20   | 1/3                                                      | 1.6  | 191   | 15  | 15   | 1/3                                                      | 1.6  | 191   | 15  | 15   |
| 4   | LEM0225*Y4E^A | 1/4                                                      | 3.5  | 426   | 15  | 20   | 1/4                                                      | 3.5  | 426   | 15  | 20   | 1/3                                                      | 3.2  | 382   | 15  | 15   | 1/3                                                      | 3.2  | 382   | 15  | 15   |
| 4   | LEM0250*Y4E^A | 1/4                                                      | 3.5  | 420   | 15  | 20   | 1/4                                                      | 3.5  | 426   | 15  | 20   | 1/3                                                      | 3.2  | 382   | 15  | 15   | 1/3                                                      | 3.2  | 382   | 15  | 15   |
| 4   | LEM0325*Y4E^A | 1/4                                                      | 5.3  | 638   | 15  | 20   | 1/4                                                      | 5.3  | 638   | 15  | 20   | 1/3                                                      | 4.8  | 573   | 15  | 15   | 1/3                                                      | 4.8  | 573   | 15  | 15   |
| 4   | LEM0420*Y4E^A | 1/4                                                      | 5.2  | 638   | 15  | 20   | 1/4                                                      | 5.2  | 638   | 15  | 20   | 1/3                                                      | 4.8  | 573   | 15  | 15   | 1/3                                                      | 4.8  | 573   | 15  | 15   |
| 4   | LEM0490*Y4E^A | -                                                        | -    | -     | -   | -    | 1/4                                                      | 7.0  | 851   | 15  | 20   | 1/3                                                      | 6.4  | 764   | 15  | 15   | 1/3                                                      | 6.4  | 764   | 15  | 15   |
| 4   | LEM0620*Y4E^A | -                                                        | -    | -     | -   | -    | 1/4                                                      | 7.0  | 851   | 15  | 20   | 1/3                                                      | 6.4  | 764   | 15  | 15   | 1/3                                                      | 6.4  | 764   | 15  | 15   |
| 4   | LEM0720*Y4E^A | -                                                        | -    | -     | -   | -    | 1/4                                                      | 8.7  | 1,064 | 15  | 20   | 1/3                                                      | 8    | 955   | 15  | 15   | 1/3                                                      | 8    | 955   | 15  | 15   |
| 6   | LEM0125*Y6E^A | 1/4                                                      | 1.7  | 212   | 15  | 20   | 1/4                                                      | 1.7  | 215   | 15  | 20   | 1/3                                                      | 1.6  | 191   | 15  | 15   | 1/3                                                      | 1.6  | 191   | 15  | 15   |
| 6   | LEM0135*Y6E^A | 1/4                                                      | 1.7  | 210   | 15  | 20   | 1/4                                                      | 1.7  | 215   | 15  | 20   | 1/3                                                      | 1.6  | 191   | 15  | 15   | 1/3                                                      | 1.6  | 191   | 15  | 15   |
| 6   | LEM0250*Y6E^A | 1/4                                                      | 3.5  | 421   | 15  | 20   | 1/4                                                      | 3.5  | 426   | 15  | 20   | 1/3                                                      | 3.2  | 382   | 15  | 15   | 1/3                                                      | 3.2  | 382   | 15  | 15   |
| 6   | LEM0300*Y6E^A | 1/4                                                      | 3.5  | 426   | 15  | 20   | 1/4                                                      | 3.5  | 426   | 15  | 20   | 1/3                                                      | 3.2  | 382   | 15  | 15   | 1/3                                                      | 3.2  | 382   | 15  | 15   |
| 6   | LEM0370*Y6E^A | 1/4                                                      | 5.2  | 638   | 15  | 20   | 1/4                                                      | 5.2  | 638   | 15  | 20   | 1/3                                                      | 4.8  | 573   | 15  | 15   | 1/3                                                      | 4.8  | 573   | 15  | 15   |
| 6   | LEM0475*Y6E^A | 1/4                                                      | 5.2  | 638   | 15  | 20   | 1/4                                                      | 5.2  | 638   | 15  | 20   | 1/3                                                      | 4.8  | 573   | 15  | 15   | 1/3                                                      | 4.8  | 573   | 15  | 15   |
| 6   | LEM0595*Y6E^A | -                                                        | -    | -     | -   | -    | 1/4                                                      | 7.0  | 851   | 15  | 20   | 1/3                                                      | 6.4  | 764   | 15  | 15   | 1/3                                                      | 6.4  | 764   | 15  | 15   |
| 6   | LEM0735*Y6E^A | -                                                        | -    | -     | -   | -    | 1/4                                                      | 7.0  | 851   | 15  | 20   | 1/3                                                      | 6.4  | 764   | 15  | 15   | 1/3                                                      | 6.4  | 764   | 15  | 15   |
| 6   | LEM0850*Y6E^A | -                                                        | -    | -     | -   | -    | 1/4                                                      | 8.7  | 1,064 | 15  | 20   | 1/3                                                      | 8    | 955   | 15  | 15   | 1/3                                                      | 8    | 955   | 15  | 15   |

| FPI | New Model     | Defrost Heaters |             |          |             |          |             |          |             |          |             |
|-----|---------------|-----------------|-------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|
|     |               | 230/1/60        |             | 230/3/60 |             | 460/1/60 |             | 460/3/60 |             | 575/3/60 |             |
|     |               | Watts           | Heater Amps | Watts    | Heater Amps | Watts    | Heater Amps | Watts    | Heater Amps | Watts    | Heater Amps |
| 4   | LEM0125*Y4E^A | 2,730           | 12          | 2,730    | 8           | 2,730    | 6           | 2,730    | 4           | 2,730    | 3           |
| 4   | LEM0225*Y4E^A | 5,350           | 23          | 5,350    | 16          | 5,350    | 12          | 5,350    | 8           | 5,350    | 7           |
| 4   | LEM0250*Y4E^A | 5,350           | 23          | 5,350    | 16          | 5,350    | 12          | 5,350    | 8           | 5,350    | 7           |
| 4   | LEM0325*Y4E^A | 7,750           | 34          | 7,750    | 23          | 7,750    | 17          | 7,750    | 12          | 7,750    | 10          |
| 4   | LEM0420*Y4E^A | 7,750           | 34          | 7,750    | 23          | 7,750    | 17          | 7,750    | 12          | 7,750    | 10          |
| 4   | LEM0490*Y4E^A | -               | -           | 10,200   | 31          | 10,200   | 22          | 10,200   | 16          | 10,200   | 13          |
| 4   | LEM0620*Y4E^A | -               | -           | 10,200   | 31          | 10,200   | 22          | 10,200   | 16          | 10,200   | 13          |
| 4   | LEM0720*Y4E^A | -               | -           | 11,600   | 35          | 11,600   | 25          | 11,600   | 18          | 11,600   | 14          |
| 6   | LEM0125*Y6E^A | 2,730           | 12          | 2,730    | 8           | 2,730    | 6           | 2,730    | 4           | 2,730    | 3           |
| 6   | LEM0135*Y6E^A | 2,730           | 12          | 2,730    | 8           | 2,730    | 6           | 2,730    | 4           | 2,730    | 3           |
| 6   | LEM0250*Y6E^A | 5,350           | 23          | 5,350    | 16          | 5,350    | 12          | 5,350    | 8           | 5,350    | 7           |
| 6   | LEM0300*Y6E^A | 5,350           | 23          | 5,350    | 16          | 5,350    | 12          | 5,350    | 8           | 5,350    | 7           |
| 6   | LEM0370*Y6E^A | 7,750           | 34          | 7,750    | 23          | 7,750    | 17          | 7,750    | 12          | 7,750    | 10          |
| 6   | LEM0475*Y6E^A | 7,750           | 34          | 7,750    | 23          | 7,750    | 17          | 7,750    | 12          | 7,750    | 10          |
| 6   | LEM0595*Y6E^A | -               | -           | 10,200   | 31          | 10,200   | 22          | 10,200   | 16          | 10,200   | 13          |
| 6   | LEM0735*Y6E^A | -               | -           | 10,200   | 31          | 10,200   | 22          | 10,200   | 16          | 10,200   | 13          |
| 6   | LEM0850*Y6E^A | -               | -           | 11,600   | 35          | 11,600   | 25          | 11,600   | 18          | 11,600   | 14          |

### Notes:

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

± = Refrigerant Designator (See Nomenclature details)

# A2L SPECIFICATIONS

## Electric Defrost- 60 Hz

Please consult AWEF table on page 56 to confirm model meets DOE minimum AWEF

|     |               | PSC Motors<br>(includes Standard and Totally Enclosed) |      |       |     |      |              |      |       |     |      |          |      |       |     |      |
|-----|---------------|--------------------------------------------------------|------|-------|-----|------|--------------|------|-------|-----|------|----------|------|-------|-----|------|
|     |               | 208-230/1/60                                           |      |       |     |      | 208-230/3/60 |      |       |     |      | 460/1/60 |      |       |     |      |
| FPI | New Model     | HP                                                     | Amps | Watts | MCA | MOPD | HP           | Amps | Watts | MCA | MOPD | HP       | Amps | Watts | MCA | MOPD |
| 4   | LEM0125*Y4E^A | 1/4                                                    | 1.8  | 305   | 15  | 20   | 1/4          | 1.8  | 305   | 15  | 20   | 1/4      | 1.0  | 305   | 15  | 15   |
| 4   | LEM0225*Y4E^A | 1/4                                                    | 3.6  | 610   | 15  | 20   | 1/4          | 3.6  | 610   | 15  | 20   | 1/4      | 2.0  | 610   | 15  | 15   |
| 4   | LEM0250*Y4E^A | 1/4                                                    | 3.6  | 610   | 15  | 20   | 1/4          | 3.6  | 610   | 15  | 20   | 1/4      | 2.0  | 610   | 15  | 15   |
| 4   | LEM0325*Y4E^A | 1/4                                                    | 5.4  | 915   | 15  | 20   | 1/4          | 5.4  | 915   | 15  | 20   | 1/4      | 3.0  | 915   | 15  | 15   |
| 4   | LEM0420*Y4E^A | 1/4                                                    | 5.4  | 915   | 15  | 20   | 1/4          | 5.4  | 915   | 15  | 20   | 1/4      | 3.0  | 915   | 15  | 15   |
| 4   | LEM0490*Y4E^A |                                                        |      |       |     |      | 1/4          | 7.2  | 1,220 | 15  | 20   | 1/4      | 4.0  | 1,220 | 15  | 15   |
| 4   | LEM0620*Y4E^A |                                                        |      |       |     |      | 1/4          | 7.2  | 1,220 | 15  | 20   | 1/4      | 4.0  | 1,220 | 15  | 15   |
| 4   | LEM0720*Y4E^A |                                                        |      |       |     |      | 1/4          | 9.0  | 1,525 | 15  | 20   | 1/4      | 5.0  | 1,525 | 15  | 15   |
| 6   | LEM0125*Y6E^A | 1/4                                                    | 1.8  | 305   | 15  | 20   | 1/4          | 1.8  | 305   | 15  | 20   | 1/4      | 1.0  | 305   | 15  | 15   |
| 6   | LEM0135*Y6E^A | 1/4                                                    | 1.8  | 257   | 15  | 20   | 1/4          | 1.8  | 305   | 15  | 20   | 1/4      | 1.0  | 305   | 15  | 15   |
| 6   | LEM0250*Y6E^A | 1/4                                                    | 3.6  | 514   | 15  | 20   | 1/4          | 3.6  | 610   | 15  | 20   | 1/4      | 2.0  | 610   | 15  | 15   |
| 6   | LEM0300*Y6E^A | 1/4                                                    | 3.6  | 610   | 15  | 20   | 1/4          | 3.6  | 610   | 15  | 20   | 1/4      | 2.0  | 610   | 15  | 15   |
| 6   | LEM0370*Y6E^A | 1/4                                                    | 5.4  | 915   | 15  | 20   | 1/4          | 5.4  | 915   | 15  | 20   | 1/4      | 3.0  | 915   | 15  | 15   |
| 6   | LEM0595*Y6E^A |                                                        |      |       |     |      | 1/4          | 7.2  | 1,220 | 15  | 20   | 1/4      | 4.0  | 1,220 | 15  | 15   |
| 6   | LEM0735*Y6E^A |                                                        |      |       |     |      | 1/4          | 7.2  | 1,220 | 15  | 20   | 1/4      | 4.0  | 1,220 | 15  | 15   |
| 6   | LEM0850*Y6E^A |                                                        |      |       |     |      | 1/4          | 9.0  | 1,525 | 15  | 20   | 1/4      | 5.0  | 1,525 | 15  | 15   |
| 6   | LEM0850*Y6E^A | 1/3                                                    | 8    | 955   | 15  | 15   | 1/3          | 8    | 955   | 15  | 15   | 1/3      | 8    | 955   | 15  | 15   |

|     |               | PSC Motors<br>(includes Standard and Totally Enclosed) |      |       |     |      |          |      |       |     |      |
|-----|---------------|--------------------------------------------------------|------|-------|-----|------|----------|------|-------|-----|------|
|     |               | 460/3/60                                               |      |       |     |      | 575/3/60 |      |       |     |      |
| FPI | New Model     | HP                                                     | Amps | Watts | MCA | MOPD | HP       | Amps | Watts | MCA | MOPD |
| 4   | LEM0125*Y4E^A | 1/4                                                    | 1.0  | 305   | 15  | 15   | 1/3      | 0.8  | 310   | 15  | 15   |
| 4   | LEM0225*Y4E^A | 1/4                                                    | 2.0  | 610   | 15  | 15   | 1/3      | 1.5  | 615   | 15  | 15   |
| 4   | LEM0250*Y4E^A | 1/4                                                    | 2.0  | 610   | 15  | 15   | 1/3      | 1.5  | 615   | 15  | 15   |
| 4   | LEM0325*Y4E^A | 1/4                                                    | 3.0  | 915   | 15  | 15   | 1/3      | 2.3  | 923   | 15  | 15   |
| 4   | LEM0420*Y4E^A | 1/4                                                    | 3.0  | 915   | 15  | 15   | 1/3      | 2.3  | 923   | 15  | 15   |
| 4   | LEM0490*Y4E^A | 1/4                                                    | 4.0  | 1,220 | 15  | 15   | 1/3      | 3.0  | 1,240 | 15  | 15   |
| 4   | LEM0620*Y4E^A | 1/4                                                    | 4.0  | 1,220 | 15  | 15   | 1/3      | 3.0  | 1,240 | 15  | 15   |
| 4   | LEM0720*Y4E^A | 1/4                                                    | 5.0  | 1,525 | 15  | 15   | 1/3      | 3.8  | 1,538 | 15  | 15   |
| 6   | LEM0125*Y6E^A | 1/4                                                    | 1.0  | 305   | 15  | 15   | 1/3      | 0.8  | 310   | 15  | 15   |
| 6   | LEM0135*Y6E^A | 1/4                                                    | 1.0  | 305   | 15  | 15   | 1/3      | 0.8  | 310   | 15  | 15   |
| 6   | LEM0250*Y6E^A | 1/4                                                    | 2.0  | 610   | 15  | 15   | 1/3      | 1.5  | 615   | 15  | 15   |
| 6   | LEM0300*Y6E^A | 1/4                                                    | 2.0  | 610   | 15  | 15   | 1/3      | 1.5  | 615   | 15  | 15   |
| 6   | LEM0370*Y6E^A | 1/4                                                    | 3.0  | 915   | 15  | 15   | 1/3      | 2.3  | 923   | 15  | 15   |
| 6   | LEM0595*Y6E^A | 1/4                                                    | 4.0  | 1,220 | 15  | 15   | 1/3      | 3.0  | 1,240 | 15  | 15   |
| 6   | LEM0735*Y6E^A | 1/4                                                    | 4.0  | 1,220 | 15  | 15   | 1/3      | 3.0  | 1,240 | 15  | 15   |
| 6   | LEM0850*Y6E^A | 1/4                                                    | 5.0  | 1,525 | 15  | 15   | 1/3      | 3.8  | 1,538 | 15  | 15   |
| 6   | LEM0850*Y6E^A | 1/3                                                    | 8    | 955   | 15  | 15   | 1/3      | 8    | 955   | 15  | 15   |

### Notes:

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

± = Refrigerant Designator (See Nomenclature details)

# A1 SPECIFICATIONS

## Electric Defrost- 60 Hz

Please consult AWEF table on page 57/58 to confirm model meets DOE minimum AWEF

| FPI | New Model     | HP  | EC Motors<br>(includes 2-Speed, Fixed Speed and VSEC) |       |     |      | Defrost Heaters |              |              |
|-----|---------------|-----|-------------------------------------------------------|-------|-----|------|-----------------|--------------|--------------|
|     |               |     | 208-230/1/60                                          |       |     |      | Watts           | 208-230/1/60 | 208-230/3/60 |
|     |               |     | Amps                                                  | Watts | MCA | MOPD |                 | Total Amps   |              |
| 6   | LEM0125*±6E^A | 1/4 | 1.7                                                   | 208   | 15  | 20   | 2,730           | 11.9         | 8.2          |
| 6   | LEM0135*±6E^A | 1/4 | 1.7                                                   | 208   | 15  | 20   | 2,730           | 11.9         | 8.2          |
| 6   | LEM0250*±6E^A | 1/4 | 3.5                                                   | 417   | 15  | 20   | 5,350           | 23.3         | 16.0         |
| 6   | LEM0300*±6E^A | 1/4 | 3.5                                                   | 417   | 15  | 20   | 5,350           | 23.3         | 16.0         |
| 6   | LEM0370*±6E^A | 1/4 | 5.2                                                   | 625   | 15  | 20   | 7,750           | 33.7         | 23.2         |
| 6   | LEM0475*±6E^A | 1/4 | 5.2                                                   | 625   | 15  | 20   | 7,750           | 33.7         | 23.2         |
| 6   | LEM0595*±6E^A | 1/4 | 7.0                                                   | 834   | 15  | 20   | 10,200          | -            | 30.5         |
| 6   | LEM0735*±6E^A | 1/4 | 7.0                                                   | 834   | 15  | 20   | 10,200          | -            | 30.5         |
| 6   | LEM0850*±6E^A | 1/4 | 8.7                                                   | 1,042 | 15  | 20   | 11,600          | -            | 34.7         |
| 4   | LEM0125*±4E^A | 1/4 | 1.7                                                   | 208   | 15  | 20   | 2,730           | 11.9         | 8.2          |
| 4   | LEM0225*±4E^A | 1/4 | 3.5                                                   | 417   | 15  | 20   | 5,350           | 23.3         | 16.0         |
| 4   | LEM0250*±4E^A | 1/4 | 3.5                                                   | 417   | 15  | 20   | 5,350           | 23.3         | 16.0         |
| 4   | LEM0325*±4E^A | 1/4 | 5.2                                                   | 625   | 15  | 20   | 7,750           | 33.7         | 23.2         |
| 4   | LEM0420*±4E^A | 1/4 | 5.2                                                   | 625   | 15  | 20   | 7,750           | 33.7         | 23.2         |
| 4   | LEM0490*±4E^A | 1/4 | 7.0                                                   | 834   | 15  | 20   | 10,200          | -            | 30.5         |
| 4   | LEM0620*±4E^A | 1/4 | 7.0                                                   | 834   | 15  | 20   | 10,200          | -            | 30.5         |
| 4   | LEM0720*±4E^A | 1/4 | 8.7                                                   | 1,042 | 15  | 20   | 11,600          | -            | 34.7         |

| FPI | New Model     | HP  | EC Motors<br>(includes 2-Speed, Fixed Speed and VSEC) |       |     |      | Defrost Heaters |            |          |
|-----|---------------|-----|-------------------------------------------------------|-------|-----|------|-----------------|------------|----------|
|     |               |     | 460/1/60                                              |       |     |      | Watts           | 460/1/60   | 460/3/60 |
|     |               |     | Amps                                                  | Watts | MCA | MOPD |                 | Total Amps |          |
| 6   | LEM0125*±6E^A | 1/4 | 1.6                                                   | 191   | 15  | 15   | 2,730           | 5.9        | 4.1      |
| 6   | LEM0135*±6E^A | 1/4 | 1.6                                                   | 191   | 15  | 15   | 2,730           | 5.9        | 4.1      |
| 6   | LEM0250*±6E^A | 1/4 | 3.2                                                   | 382   | 15  | 15   | 5,350           | 11.6       | 8.3      |
| 6   | LEM0300*±6E^A | 1/4 | 3.2                                                   | 382   | 15  | 15   | 5,350           | 11.6       | 8.3      |
| 6   | LEM0370*±6E^A | 1/4 | 4.8                                                   | 573   | 15  | 15   | 7,750           | 16.8       | 12.0     |
| 6   | LEM0475*±6E^A | 1/4 | 4.8                                                   | 573   | 15  | 15   | 7,750           | 16.8       | 12.0     |
| 6   | LEM0595*±6E^A | 1/4 | 6.4                                                   | 764   | 15  | 15   | 10,200          | 22.2       | 15.8     |
| 6   | LEM0735*±6E^A | 1/4 | 6.4                                                   | 764   | 15  | 15   | 10,200          | 22.2       | 15.8     |
| 6   | LEM0850*±6E^A | 1/4 | 8.0                                                   | 955   | 15  | 15   | 11,600          | 25.2       | 18.1     |
| 4   | LEM0125*±4E^A | 1/4 | 1.6                                                   | 191   | 15  | 15   | 2,730           | 5.9        | 4.1      |
| 4   | LEM0225*±4E^A | 1/4 | 3.2                                                   | 382   | 15  | 15   | 5,350           | 11.6       | 8.3      |
| 4   | LEM0250*±4E^A | 1/4 | 3.2                                                   | 382   | 15  | 15   | 5,350           | 11.6       | 8.3      |
| 4   | LEM0325*±4E^A | 1/4 | 4.8                                                   | 573   | 15  | 15   | 7,750           | 16.8       | 12.0     |
| 4   | LEM0420*±4E^A | 1/4 | 4.8                                                   | 573   | 15  | 15   | 7,750           | 16.8       | 12.0     |
| 4   | LEM0490*±4E^A | 1/4 | 6.4                                                   | 764   | 15  | 15   | 10,200          | 22.2       | 15.8     |
| 4   | LEM0620*±4E^A | 1/4 | 6.4                                                   | 764   | 15  | 15   | 10,200          | 22.2       | 15.8     |
| 4   | LEM0720*±4E^A | 1/4 | 8.0                                                   | 955   | 15  | 15   | 11,600          | 25.2       | 18.1     |

### Notes:

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

± = Refrigerant Designator (See Nomenclature details)

# A1 SPECIFICATIONS

## Electric Defrost- 60 Hz

Please consult AWEF table on page 57/58 to confirm model meets DOE minimum AWEF

| FPI | New Model     | HP  | PSC Motors<br>(includes Standard and Totally-Enclosed) |       |     |      | Defrost Heaters |              |              |
|-----|---------------|-----|--------------------------------------------------------|-------|-----|------|-----------------|--------------|--------------|
|     |               |     | 208-230/1/60                                           |       |     |      | Watts           | 208-230/1/60 | 208-230/3/60 |
|     |               |     | Amps                                                   | Watts | MCA | MOPD |                 | Total Amps   |              |
| 6   | LEM0125*±6E^A | 1/4 | 1.8                                                    | 305   | 15  | 20   | 2,730           | 11.9         | 8.2          |
| 6   | LEM0135*±6E^A | 1/4 | 1.8                                                    | 305   | 15  | 20   | 2,730           | 11.9         | 8.2          |
| 6   | LEM0250*±6E^A | 1/4 | 3.6                                                    | 610   | 15  | 20   | 5,350           | 23.3         | 16.0         |
| 6   | LEM0300*±6E^A | 1/4 | 3.6                                                    | 610   | 15  | 20   | 5,350           | 23.3         | 16.0         |
| 6   | LEM0370*±6E^A | 1/4 | 5.4                                                    | 915   | 15  | 20   | 7,750           | 33.7         | 23.2         |
| 6   | LEM0475*±6E^A | 1/4 | 5.4                                                    | 915   | 15  | 20   | 7,750           | 33.7         | 23.2         |
| 6   | LEM0595*±6E^A | 1/4 | 7.2                                                    | 1,220 | 15  | 20   | 10,200          | -            | 30.5         |
| 6   | LEM0735*±6E^A | 1/4 | 7.2                                                    | 1,220 | 15  | 20   | 10,200          | -            | 30.5         |
| 6   | LEM0850*±6E^A | 1/4 | 9.0                                                    | 1,525 | 15  | 20   | 11,600          | -            | 34.7         |
| 4   | LEM0125*±4E^A | 1/4 | 1.8                                                    | 305   | 15  | 20   | 2,730           | 11.9         | 8.2          |
| 4   | LEM0225*±4E^A | 1/4 | 3.6                                                    | 610   | 15  | 20   | 5,350           | 23.3         | 16.0         |
| 4   | LEM0250*±4E^A | 1/4 | 3.6                                                    | 610   | 15  | 20   | 5,350           | 23.3         | 16.0         |
| 4   | LEM0325*±4E^A | 1/4 | 5.4                                                    | 915   | 15  | 20   | 7,750           | 33.7         | 23.2         |
| 4   | LEM0420*±4E^A | 1/4 | 5.4                                                    | 915   | 15  | 20   | 7,750           | 33.7         | 23.2         |
| 4   | LEM0490*±4E^A | 1/4 | 7.2                                                    | 1,220 | 15  | 20   | 10,200          | -            | 30.5         |
| 4   | LEM0620*±4E^A | 1/4 | 7.2                                                    | 1,220 | 15  | 20   | 10,200          | -            | 30.5         |
| 4   | LEM0720*±4E^A | 1/4 | 9.0                                                    | 1,525 | 15  | 20   | 11,600          | -            | 34.7         |

| FPI | New Model     | HP  | PSC Motors<br>(includes Standard and Totally-Enclosed) |       |     |      | Defrost Heaters |            |          |
|-----|---------------|-----|--------------------------------------------------------|-------|-----|------|-----------------|------------|----------|
|     |               |     | 460/1/60                                               |       |     |      | Watts           | 460/1/60   | 460/3/60 |
|     |               |     | Amps                                                   | Watts | MCA | MOPD |                 | Total Amps |          |
| 6   | LEM0125*±6E^A | 1/4 | 1.0                                                    | 305   | 15  | 15   | 2,730           | 5.9        | 4.1      |
| 6   | LEM0135*±6E^A | 1/4 | 1.0                                                    | 305   | 15  | 15   | 2,730           | 5.9        | 4.1      |
| 6   | LEM0250*±6E^A | 1/4 | 2.0                                                    | 610   | 15  | 15   | 5,350           | 11.6       | 8.3      |
| 6   | LEM0300*±6E^A | 1/4 | 2.0                                                    | 610   | 15  | 15   | 5,350           | 11.6       | 8.3      |
| 6   | LEM0370*±6E^A | 1/4 | 3.0                                                    | 915   | 15  | 15   | 7,750           | 16.8       | 12.0     |
| 6   | LEM0475*±6E^A | 1/4 | 3.0                                                    | 915   | 15  | 15   | 7,750           | 16.8       | 12.0     |
| 6   | LEM0595*±6E^A | 1/4 | 4.0                                                    | 1,220 | 15  | 15   | 10,200          | 22.2       | 15.8     |
| 6   | LEM0735*±6E^A | 1/4 | 4.0                                                    | 1,220 | 15  | 15   | 10,200          | 22.2       | 15.8     |
| 6   | LEM0850*±6E^A | 1/4 | 5.0                                                    | 1,525 | 15  | 15   | 11,600          | 25.2       | 18.1     |
| 4   | LEM0125*±4E^A | 1/4 | 1.0                                                    | 305   | 15  | 15   | 2,730           | 5.9        | 4.1      |
| 4   | LEM0225*±4E^A | 1/4 | 2.0                                                    | 610   | 15  | 15   | 5,350           | 11.6       | 8.3      |
| 4   | LEM0250*±4E^A | 1/4 | 2.0                                                    | 610   | 15  | 15   | 5,350           | 11.6       | 8.3      |
| 4   | LEM0325*±4E^A | 1/4 | 3.0                                                    | 915   | 15  | 15   | 7,750           | 16.8       | 12.0     |
| 4   | LEM0420*±4E^A | 1/4 | 3.0                                                    | 915   | 15  | 15   | 7,750           | 16.8       | 12.0     |
| 4   | LEM0490*±4E^A | 1/4 | 4.0                                                    | 1,220 | 15  | 15   | 10,200          | 22.2       | 15.8     |
| 4   | LEM0620*±4E^A | 1/4 | 4.0                                                    | 1,220 | 15  | 15   | 10,200          | 22.2       | 15.8     |
| 4   | LEM0720*±4E^A | 1/4 | 5.0                                                    | 1,525 | 15  | 15   | 11,600          | 25.2       | 18.1     |

### Notes:

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

± = Refrigerant Designator (See Nomenclature details)

# A1 SPECIFICATIONS

## Electric Defrost- 60 Hz

Please consult AWEF table on page 57/58 to confirm model meets DOE minimum AWEF

| FPI | New Model     | HP  | PSC Motors<br>(includes Standard and Totally-Enclosed) |       |     |      | Defrost Heaters |            |
|-----|---------------|-----|--------------------------------------------------------|-------|-----|------|-----------------|------------|
|     |               |     | 575/1/60                                               |       |     |      | Watts           | 575/3/60   |
|     |               |     | Amps                                                   | Watts | MCA | MOPD |                 | Total Amps |
| 6   | LEM0125*±6E^A | 1/4 | 0.8                                                    | 310   | 15  | 15   | 2,730           | 3.3        |
| 6   | LEM0135*±6E^A | 1/4 | 0.8                                                    | 310   | 15  | 15   | 2,730           | 3.3        |
| 6   | LEM0250*±6E^A | 1/4 | 1.5                                                    | 620   | 15  | 15   | 5,350           | 6.6        |
| 6   | LEM0300*±6E^A | 1/4 | 1.5                                                    | 620   | 15  | 15   | 5,350           | 6.6        |
| 6   | LEM0370*±6E^A | 1/4 | 2.3                                                    | 930   | 15  | 15   | 7,750           | 9.6        |
| 6   | LEM0475*±6E^A | 1/4 | 2.3                                                    | 930   | 15  | 15   | 7,750           | 9.6        |
| 6   | LEM0595*±6E^A | 1/4 | 3.0                                                    | 1,240 | 15  | 15   | 10,200          | 12.6       |
| 6   | LEM0735*±6E^A | 1/4 | 3.0                                                    | 1,240 | 15  | 15   | 10,200          | 12.6       |
| 6   | LEM0850*±6E^A | 1/4 | 3.8                                                    | 1,550 | 15  | 15   | 11,600          | 14.4       |
| 4   | LEM0125*±4E^A | 1/4 | 0.8                                                    | 310   | 15  | 15   | 2,730           | 3.3        |
| 4   | LEM0225*±4E^A | 1/4 | 1.5                                                    | 620   | 15  | 15   | 5,350           | 6.6        |
| 4   | LEM0250*±4E^A | 1/4 | 1.5                                                    | 620   | 15  | 15   | 5,350           | 6.6        |
| 4   | LEM0325*±4E^A | 1/4 | 2.3                                                    | 930   | 15  | 15   | 7,750           | 9.6        |
| 4   | LEM0420*±4E^A | 1/4 | 2.3                                                    | 930   | 15  | 15   | 7,750           | 9.6        |
| 4   | LEM0490*±4E^A | 1/4 | 3.0                                                    | 1,240 | 15  | 15   | 10,200          | 12.6       |
| 4   | LEM0620*±4E^A | 1/4 | 3.0                                                    | 1,240 | 15  | 15   | 10,200          | 12.6       |
| 4   | LEM0720*±4E^A | 1/4 | 3.8                                                    | 1,550 | 15  | 15   | 11,600          | 14.4       |

### Notes:

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

± = Refrigerant Designator (See Nomenclature details)

# A1 SPECIFICATIONS

## Electric Defrost- 50 Hz

Please consult AWEF table on page 57/58 to confirm model meets DOE minimum AWEF

| FPI | New Model     | HP  | EC Motors<br>(includes 2-Speed, Fixed Speed<br>and VSEC) |       |     |      | PSC Motors<br>(includes Standard and Totally-Enclosed) |       |     |      | Defrost Heaters |            |
|-----|---------------|-----|----------------------------------------------------------|-------|-----|------|--------------------------------------------------------|-------|-----|------|-----------------|------------|
|     |               |     | 220/1/50                                                 |       |     |      | 220/1/50                                               |       |     |      | Watts           | 220/1/50   |
|     |               |     | Amps                                                     | Watts | MCA | MOPD | Amps                                                   | Watts | MCA | MOPD |                 | Total Amps |
| 6   | LEM0125*±6E^A | 1/4 | 1.7                                                      | 208   | 15  | 20   | 1.8                                                    | 305   | 15  | 20   | 2,510           | 11.9       |
| 6   | LEM0135*±6E^A | 1/4 | 1.7                                                      | 208   | 15  | 20   | 1.8                                                    | 305   | 15  | 20   | 2,510           | 11.9       |
| 6   | LEM0250*±6E^A | 1/4 | 3.5                                                      | 417   | 15  | 20   | 3.6                                                    | 610   | 15  | 20   | 4,910           | 23.3       |
| 6   | LEM0300*±6E^A | 1/4 | 3.5                                                      | 417   | 15  | 20   | 3.6                                                    | 610   | 15  | 20   | 4,910           | 23.3       |
| 6   | LEM0370*±6E^A | 1/4 | 5.2                                                      | 625   | 15  | 20   | 5.4                                                    | 915   | 15  | 20   | 7,090           | 33.7       |
| 6   | LEM0475*±6E^A | 1/4 | 5.2                                                      | 625   | 15  | 20   | 5.4                                                    | 915   | 15  | 20   | 7,090           | 33.7       |
| 6   | LEM0595*±6E^A | 1/4 | 7.0                                                      | 834   | 15  | 20   | 7.2                                                    | 1,220 | 15  | 20   | -               | -          |
| 6   | LEM0735*±6E^A | 1/4 | 7.0                                                      | 834   | 15  | 20   | 7.2                                                    | 1,220 | 15  | 20   | -               | -          |
| 6   | LEM0850*±6E^A | 1/4 | 8.7                                                      | 1,042 | 15  | 20   | 9.0                                                    | 1,525 | 15  | 20   | -               | -          |
| 4   | LEM0125*±4E^A | 1/4 | 1.7                                                      | 208   | 15  | 20   | 1.8                                                    | 305   | 15  | 20   | 2,510           | 11.9       |
| 4   | LEM0225*±4E^A | 1/4 | 3.5                                                      | 417   | 15  | 20   | 3.6                                                    | 610   | 15  | 20   | 4,910           | 23.3       |
| 4   | LEM0250*±4E^A | 1/4 | 3.5                                                      | 417   | 15  | 20   | 3.6                                                    | 610   | 15  | 20   | 4,910           | 23.0       |
| 4   | LEM0325*±4E^A | 1/4 | 5.2                                                      | 625   | 15  | 20   | 5.4                                                    | 915   | 15  | 20   | 7,090           | 23.3       |
| 4   | LEM0420*±4E^A | 1/4 | 5.2                                                      | 625   | 15  | 20   | 5.4                                                    | 915   | 15  | 20   | 7,090           | 33.7       |
| 4   | LEM0490*±4E^A | 1/4 | 7.0                                                      | 834   | 15  | 20   | 7.2                                                    | 1,220 | 15  | 20   | -               | -          |
| 4   | LEM0620*±4E^A | 1/4 | 7.0                                                      | 834   | 15  | 20   | 7.2                                                    | 1,220 | 15  | 20   | -               | -          |
| 4   | LEM0720*±4E^A | 1/4 | 8.7                                                      | 1,042 | 15  | 20   | 9.0                                                    | 1,525 | 15  | 20   | -               | -          |

### Notes:

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

± = Refrigerant Designator (See Nomenclature details)

# A2L PERFORMANCE DATA

Application Capacity: Low Temperature Hot Gas Defrost- 60 Hz (For EC and PSC Motors)

Please consult AWEF table on page 59 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

| New Model     | R454A/R-454C/<br>R-455A           |        |        | R-454A/R-454C/<br>R-455A          |        |        |             |          |                     |                     |                                             |       |       |
|---------------|-----------------------------------|--------|--------|-----------------------------------|--------|--------|-------------|----------|---------------------|---------------------|---------------------------------------------|-------|-------|
|               | Application Capacity <sup>1</sup> |        |        | Application Capacity <sup>1</sup> |        |        | Fan Data    |          | Air Throw           |                     | Minimum Room <sup>2</sup><br>Area (sq. ft.) |       |       |
|               | 10°F TD/-20°F SST                 |        |        | 6°C TD/-4°C SST                   |        |        |             |          |                     |                     |                                             |       |       |
|               | R454A                             | R454C  | R455A  | R454A                             | R454C  | R455A  | No. of Fans | CFM Data | Ft. Diffused (Opt.) | Ft. Extended (Std.) | R455A                                       | R454C | R454A |
| LEM0225*Y4H^A | 20,700                            | 18,000 | 20,300 | 6,100                             | 5,300  | 5,950  | 2           | 4,731    | 45                  | 60                  | 80                                          | 120   | 124   |
| LEM0250*Y4H^A | 24,350                            | 21,200 | 24,000 | 7,150                             | 6,250  | 7,050  | 2           | 4,731    | 45                  | 60                  | 117                                         | 175   | 181   |
| LEM0250*Y6H^A | 23,850                            | 20,350 | 23,000 | 7,000                             | 6,000  | 6,750  | 2           | 4,538    | 45                  | 60                  | 80                                          | 120   | 124   |
| LEM0300*Y6H^A | 27,850                            | 23,800 | 27,100 | 8,200                             | 7,000  | 7,950  | 2           | 4,345    | 45                  | 60                  | 117                                         | 175   | 181   |
| LEM0325*Y4H^A | 30,350                            | 26,450 | 29,750 | 8,900                             | 7,800  | 8,750  | 3           | 7,096    | 45                  | 60                  | 124                                         | 185   | 192   |
| LEM0370*Y6H^A | 34,950                            | 29,900 | 33,700 | 10,250                            | 8,800  | 9,900  | 3           | 6,807    | 45                  | 60                  | 124                                         | 185   | 192   |
| LEM0420*Y4H^A | 38,650                            | 34,200 | 38,450 | 11,350                            | 10,050 | 11,300 | 3           | 6,734    | 45                  | 60                  | 141                                         | 211   | 218   |
| LEM0475*Y6H^A | 44,550                            | 38,400 | 43,600 | 13,100                            | 11,250 | 12,800 | 3           | 6,517    | 45                  | 60                  | 141                                         | 211   | 218   |
| LEM0490*Y4H^A | 42,800                            | 38,000 | 42,900 | 12,550                            | 11,150 | 12,600 | 4           | 8,786    | 45                  | 60                  | 184                                         | 274   | 283   |
| LEM0595*Y6H^A | 52,500                            | 45,500 | 51,750 | 15,400                            | 13,350 | 15,200 | 4           | 8,496    | 45                  | 60                  | 184                                         | 274   | 284   |
| LEM0620*Y4H^A | 54,000                            | 48,500 | 54,800 | 15,850                            | 14,250 | 16,100 | 4           | 8,400    | 45                  | 60                  | 188                                         | 279   | 288   |
| LEM0735*Y6H^A | 64,950                            | 57,350 | 64,950 | 19,050                            | 16,850 | 19,050 | 4           | 8,110    | 45                  | 60                  | 188                                         | 279   | 288   |

## Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

<sup>2</sup> = Room Area Minimum is calculated using 20 ft line length from the Safety Shut-off Valve (SSOV) to the unit cooler and using electric drain pan. For applications that require other line lengths, please contact a Heatcraft representative for Room Area Minimum re-calculation.

# A1 PERFORMANCE DATA

Application Capacity: Low Temperature Hot Gas Defrost- 60 Hz (For EC and PSC Motors)

Please consult AWEF table on page 60 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

|   |               |        | R-404A/R-507A                     |                      | R-448A/R-449A                     |                      |          |       |        |                   |     |                                   |      |                                 |     |
|---|---------------|--------|-----------------------------------|----------------------|-----------------------------------|----------------------|----------|-------|--------|-------------------|-----|-----------------------------------|------|---------------------------------|-----|
|   |               |        | Application Capacity <sup>d</sup> |                      | Application Capacity <sup>d</sup> |                      | Fan Data |       |        | Air Throw         |     |                                   |      |                                 |     |
|   |               |        | 10°F TD/<br>-20°F SST             | 6°C TD/<br>-29°C SST | 10°F TD/<br>-20°F SST             | 6°C TD/<br>-29°C SST |          |       |        | Diameter          |     | Standard<br>(Molded<br>Fan Guard) |      | Diffused<br>(Wire Fan<br>Guard) |     |
|   |               |        | FPI                               | New Model            | Legacy<br>Model                   | BTUH                 | Watts    | BTUH  | Watts  | No.<br>of<br>Fans | CFM | m³H                               | in.  | mm                              | ft. |
| 6 | LEM0250*S6H^A | BMG190 | 19,600                            | 5,750                | 25,000                            | 7,350                | 2        | 4,450 | 7,731  | 18                | 457 | 60                                | 18.5 | 45                              | 14  |
| 6 | LEM0300*S6H^A | BMG260 | 26,000                            | 7,600                | 29,600                            | 8,650                | 2        | 4,350 | 7,391  | 18                | 457 | 60                                | 18.5 | 45                              | 14  |
| 6 | LEM0370*S6H^A | BMG310 | 31,000                            | 9,100                | 36,650                            | 10,750               | 3        | 6,800 | 11,553 | 18                | 457 | 60                                | 18.5 | 45                              | 14  |
| 6 | LEM0475*S6H^A | BMG390 | 39,000                            | 11,450               | 47,100                            | 13,800               | 3        | 6,500 | 11,044 | 18                | 457 | 60                                | 18.5 | 45                              | 14  |
| 6 | LEM0595*S6H^A | BMG430 | 43,750                            | 12,800               | 59,150                            | 17,350               | 4        | 8,500 | 14,442 | 18                | 457 | 60                                | 18.5 | 45                              | 14  |
| 6 | LEM0735*S6H^A | BMG520 | 53,750                            | 15,750               | 73,350                            | 21,500               | 4        | 8,100 | 13,762 | 18                | 457 | 60                                | 18.5 | 45                              | 14  |
| 4 | LEM0225*S4H^A | BMF165 | 17,100                            | 5,000                | 21,500                            | 6,300                | 2        | 4,750 | 8,070  | 18                | 457 | 60                                | 18.5 | 45                              | 14  |
| 4 | LEM0250*S4H^A | BMF220 | 22,000                            | 6,450                | 25,500                            | 7,450                | 2        | 4,550 | 7,731  | 18                | 457 | 60                                | 18.5 | 45                              | 14  |
| 4 | LEM0325*S4H^A | BMF250 | 25,000                            | 7,350                | 32,500                            | 9,500                | 3        | 7,100 | 12,063 | 18                | 457 | 60                                | 18.5 | 45                              | 14  |
| 4 | LEM0420*S4H^A | BMF330 | 33,000                            | 9,650                | 41,650                            | 12,200               | 3        | 6,750 | 11,468 | 18                | 457 | 60                                | 18.5 | 45                              | 14  |
| 4 | LEM0490*S4H^A | BMF370 | 37,000                            | 10,850               | 48,750                            | 14,300               | 4        | 8,800 | 14,951 | 18                | 457 | 60                                | 18.5 | 45                              | 14  |
| 4 | LEM0620*S4H^A | BMF440 | 45,400                            | 13,300               | 61,650                            | 18,050               | 4        | 8,400 | 14,272 | 18                | 457 | 60                                | 18.5 | 45                              | 14  |

|     |               |              | R-407A/R-407F         |                      | R-407C                |                      |             |       |        |           |     |                             |      |                           |    |  |
|-----|---------------|--------------|-----------------------|----------------------|-----------------------|----------------------|-------------|-------|--------|-----------|-----|-----------------------------|------|---------------------------|----|--|
|     |               |              | Application Capacity¹ |                      | Application Capacity¹ |                      |             |       |        |           |     |                             |      |                           |    |  |
|     |               |              | 10°F TD/<br>-20°F SST | 6°C TD/<br>-29°C SST | 10°F TD/<br>-20°F SST | 6°C TD/<br>-29°C SST |             |       |        |           |     |                             |      |                           |    |  |
|     |               |              |                       |                      |                       |                      | Fan Data    |       |        | Air Throw |     |                             |      |                           |    |  |
|     |               |              |                       |                      |                       |                      |             |       |        | Diameter  |     | Standard (Molded Fan Guard) |      | Diffused (Wire Fan Guard) |    |  |
| FPI | New Model     | Legacy Model | BTUH                  | Watts                | BTUH                  | Watts                | No. of Fans | CFM   | m³H    | in.       | mm  | ft.                         | m    | ft.                       | m  |  |
| 6   | LEM0250*S6H^A | BMG190       | 21,650                | 6,350                | 20,500                | 6,000                | 2           | 4,450 | 7,731  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |  |
| 6   | LEM0300*S6H^A | BMG260       | 28,500                | 8,350                | 28,500                | 8,350                | 2           | 4,350 | 7,391  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |  |
| 6   | LEM0370*S6H^A | BMG310       | 34,000                | 9,950                | 34,000                | 9,950                | 3           | 6,800 | 11,553 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |  |
| 6   | LEM0475*S6H^A | BMG390       | 43,000                | 12,600               | 43,000                | 12,600               | 3           | 6,500 | 11,044 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |  |
| 6   | LEM0595*S6H^A | BMG430       | 49,150                | 14,400               | 46,500                | 13,650               | 4           | 8,500 | 14,442 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |  |
| 6   | LEM0735*S6H^A | BMG520       | 61,250                | 17,950               | 57,000                | 16,700               | 4           | 8,100 | 13,762 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |  |
| 4   | LEM0225*S4H^A | BMF165       | 18,750                | 5,500                | 18,750                | 5,500                | 2           | 4,750 | 8,070  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |  |
| 4   | LEM0250*S4H^A | BMF220       | 24,000                | 7,050                | 24,000                | 7,050                | 2           | 4,550 | 7,731  | 18        | 457 | 60                          | 18.5 | 45                        | 14 |  |
| 4   | LEM0325*S4H^A | BMF250       | 27,900                | 8,200                | 27,000                | 7,900                | 3           | 7,100 | 12,063 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |  |
| 4   | LEM0420*S4H^A | BMF330       | 36,500                | 10,700               | 36,500                | 10,700               | 3           | 6,750 | 11,468 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |  |
| 4   | LEM0490*S4H^A | BMF370       | 40,500                | 11,850               | 40,000                | 11,700               | 4           | 8,800 | 14,951 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |  |
| 4   | LEM0620*S4H^A | BMF440       | 51,250                | 15,000               | 48,500                | 14,200               | 4           | 8,400 | 14,272 | 18        | 457 | 60                          | 18.5 | 45                        | 14 |  |

## Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

# A1 PERFORMANCE DATA

## Application Capacity: Low Temperature Hot Gas Defrost- 50 Hz (For PSC Motors)<sup>†</sup>

Please consult AWEF table on page 60 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

|     |               |              | R-404A/R-507A         |                      | R-448A/R-449A         |                      | Fan Data    |       |        | Air Throw |     |                             |    |                           |    |
|-----|---------------|--------------|-----------------------|----------------------|-----------------------|----------------------|-------------|-------|--------|-----------|-----|-----------------------------|----|---------------------------|----|
|     |               |              | Application Capacity¹ |                      | Application Capacity¹ |                      |             |       |        | Diameter  |     | Standard (Molded Fan Guard) |    | Diffused (Wire Fan Guard) |    |
|     |               |              | 10°F TD/<br>-20°F SST | 6°C TD/<br>-29°C SST | 10°F TD/<br>-20°F SST | 6°C TD/<br>-29°C SST |             |       |        |           |     |                             |    |                           |    |
| FPI | New Model     | Legacy Model | BTUH                  | Watts                | BTUH                  | Watts                | No. of Fans | CFM   | m³H    | in.       | mm  | ft.                         | m  | ft.                       | m  |
| 6   | LEM0250*S6H^A | BMG190       | 18,050                | 5,300                | 23,000                | 6,750                | 2           | 4,095 | 6,957  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0300*S6H^A | BMG260       | 23,900                | 7,000                | 27,250                | 8,000                | 2           | 4,345 | 7,382  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0370*S6H^A | BMG310       | 28,500                | 8,350                | 33,700                | 9,900                | 3           | 6,807 | 11,565 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0475*S6H^A | BMG390       | 35,900                | 10,500               | 43,350                | 12,700               | 3           | 6,517 | 11,072 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0595*S6H^A | BMG430       | 40,250                | 11,800               | 54,400                | 15,950               | 4           | 8,496 | 14,435 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0735*S6H^A | BMG520       | 49,450                | 14,500               | 67,500                | 19,800               | 4           | 8,110 | 13,779 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0225*S4H^A | BMF165       | 15,750                | 4,600                | 19,800                | 5,800                | 2           | 4,731 | 8,038  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0250*S4H^A | BMF220       | 20,250                | 5,950                | 23,450                | 6,850                | 2           | 4,538 | 7,710  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0325*S4H^A | BMF250       | 23,000                | 6,750                | 29,900                | 8,750                | 3           | 7,096 | 12,056 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0420*S4H^A | BMF330       | 30,350                | 8,900                | 38,300                | 11,200               | 3           | 6,734 | 11,441 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0490*S4H^A | BMF370       | 34,050                | 10,000               | 44,850                | 13,150               | 4           | 8,786 | 14,928 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0620*S4H^A | BMF440       | 41,750                | 12,250               | 56,700                | 16,600               | 4           | 8,400 | 14,272 | 18        | 457 | 55                          | 17 | 40                        | 13 |

|     |               |              | R-407A/R-407F         |                      | R-407C                |                      | Fan Data    |       |        | Air Throw |     |                             |    |                           |    |
|-----|---------------|--------------|-----------------------|----------------------|-----------------------|----------------------|-------------|-------|--------|-----------|-----|-----------------------------|----|---------------------------|----|
|     |               |              | Application Capacity¹ |                      | Application Capacity¹ |                      |             |       |        | Diameter  |     | Standard (Molded Fan Guard) |    | Diffused (Wire Fan Guard) |    |
|     |               |              | 10°F TD/<br>-20°F SST | 6°C TD/<br>-29°C SST | 10°F TD/<br>-20°F SST | 6°C TD/<br>-29°C SST |             |       |        |           |     |                             |    |                           |    |
| FPI | New Model     | Legacy Model | BTUH                  | Watts                | BTUH                  | Watts                | No. of Fans | CFM   | m³H    | in.       | mm  | ft.                         | m  | ft.                       | m  |
| 6   | LEM0250*S6H^A | BMG190       | 19,900                | 5,850                | 18,850                | 5,500                | 2           | 4,095 | 6,957  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0300*S6H^A | BMG260       | 26,200                | 7,700                | 26,200                | 7,700                | 2           | 4,345 | 7,382  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0370*S6H^A | BMG310       | 31,300                | 9,150                | 31,300                | 9,150                | 3           | 6,807 | 11,565 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0475*S6H^A | BMG390       | 39,550                | 11,600               | 39,550                | 11,600               | 3           | 6,517 | 11,072 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0595*S6H^A | BMG430       | 45,200                | 13,250               | 42,800                | 12,550               | 4           | 8,496 | 14,435 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0735*S6H^A | BMG520       | 56,350                | 16,500               | 52,450                | 15,350               | 4           | 8,110 | 13,779 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0225*S4H^A | BMF165       | 17,250                | 5,050                | 17,250                | 5,050                | 2           | 4,731 | 8,038  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0250*S4H^A | BMF220       | 22,100                | 6,500                | 22,100                | 6,500                | 2           | 4,538 | 7,710  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0325*S4H^A | BMF250       | 25,650                | 7,500                | 24,850                | 7,300                | 3           | 7,096 | 12,056 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0420*S4H^A | BMF330       | 33,600                | 9,850                | 33,600                | 9,850                | 3           | 6,734 | 11,441 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0490*S4H^A | BMF370       | 37,250                | 10,900               | 36,800                | 10,800               | 4           | 8,786 | 14,928 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0620*S4H^A | BMF440       | 47,150                | 13,800               | 44,600                | 13,050               | 4           | 8,400 | 14,272 | 18        | 457 | 55                          | 17 | 40                        | 13 |

### Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

<sup>†</sup> = For single speed and 2-speed EC motors, use 60 Hz capacity and airflow values. (units with EC motors operating at 50 Hz will not see a reduction in performance due to the electronic control of the motor)

Net Capacity is available upon request

## A2L PERFORMANCE DATA

Application Capacity: Medium Temperature Hot Gas Defrost- 60 Hz (For EC and PSC Motors)

Please consult AWEF table on page 59 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

|               | R454A/R-454C/<br>R-455A           |        |        | R-454A/R-454C/<br>R-455A          |        |        |             |          |                     |                     |                                             |       |       |
|---------------|-----------------------------------|--------|--------|-----------------------------------|--------|--------|-------------|----------|---------------------|---------------------|---------------------------------------------|-------|-------|
|               | Application Capacity <sup>1</sup> |        |        | Application Capacity <sup>1</sup> |        |        | Fan Data    |          | Air Throw           |                     | Minimum Room <sup>2</sup><br>Area (sq. ft.) |       |       |
|               | 10°F TD/25°F SST                  |        |        | 6°C TD/-4°C SST                   |        |        |             |          |                     |                     |                                             |       |       |
| New Model     | R454A                             | R454C  | R455A  | R454A                             | R454C  | R455A  | No. of Fans | CFM Data | Ft. Diffused (Opt.) | Ft. Extended (Std.) | R455A                                       | R454C | R454A |
| LEM0225*Y4H^A | 22,250                            | 21,500 | 24,400 | 6,550                             | 6,350  | 7,200  | 2           | 4,731    | 45                  | 60                  | 80                                          | 120   | 124   |
| LEM0250*Y4H^A | 27,550                            | 26,200 | 30,300 | 8,100                             | 7,700  | 8,900  | 2           | 4,731    | 45                  | 60                  | 117                                         | 175   | 181   |
| LEM0250*Y6H^A | 30,800                            | 23,650 | 33,550 | 9,050                             | 6,950  | 9,850  | 2           | 4,538    | 45                  | 60                  | 80                                          | 120   | 124   |
| LEM0300*Y6H^A | 32,100                            | 30,250 | 35,150 | 9,450                             | 8,900  | 10,300 | 2           | 4,345    | 45                  | 60                  | 117                                         | 175   | 181   |
| LEM0325*Y4H^A | 33,700                            | 32,650 | 37,000 | 9,900                             | 9,600  | 10,850 | 3           | 7,096    | 45                  | 60                  | 124                                         | 185   | 192   |
| LEM0370*Y6H^A | 39,850                            | 34,400 | 40,900 | 11,700                            | 10,100 | 12,000 | 3           | 6,807    | 45                  | 60                  | 124                                         | 185   | 192   |
| LEM0420*Y4H^A | 41,450                            | 39,550 | 45,800 | 12,200                            | 11,600 | 13,450 | 3           | 6,734    | 45                  | 60                  | 141                                         | 211   | 218   |
| LEM0475*Y6H^A | 53,150                            | 50,300 | 58,400 | 15,600                            | 14,750 | 17,150 | 3           | 6,517    | 45                  | 60                  | 141                                         | 211   | 218   |
| LEM0490*Y4H^A | 46,100                            | 44,450 | 59,650 | 13,550                            | 13,050 | 17,500 | 4           | 8,786    | 45                  | 60                  | 184                                         | 274   | 283   |
| LEM0595*Y6H^A | 61,300                            | 60,750 | 66,900 | 18,000                            | 17,850 | 19,650 | 4           | 8,496    | 45                  | 60                  | 184                                         | 274   | 284   |
| LEM0620*Y4H^A | 61,800                            | 54,250 | 66,200 | 18,150                            | 15,900 | 19,450 | 4           | 8,400    | 45                  | 60                  | 188                                         | 279   | 288   |
| LEM0735*Y6H^A | 72,800                            | 68,800 | 80,500 | 21,350                            | 20,200 | 23,600 | 4           | 8,110    | 45                  | 60                  | 188                                         | 279   | 288   |

### Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

<sup>2</sup> = Room Area Minimum is calculated using 20 ft line length from the Safety Shut-off Valve (SSOV) to the unit cooler and using electric drain pan. For applications that require other line lengths, please contact a Heatcraft representative for Room Area Minimum re-calculation.

# A1 PERFORMANCE DATA

Application Capacity: Medium Temperature Hot Gas Defrost- 60 Hz (For EC and PSC Motors)

Please consult AWEF table on page 60 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

|     |               |                 | R-404A/R-507A                     |        | R-448A/R-449A                     |                     |                      |                     |          |     |     |           |      |          |    |                                   |
|-----|---------------|-----------------|-----------------------------------|--------|-----------------------------------|---------------------|----------------------|---------------------|----------|-----|-----|-----------|------|----------|----|-----------------------------------|
|     |               |                 | Application Capacity <sup>d</sup> |        | Application Capacity <sup>d</sup> |                     |                      |                     |          |     |     |           |      |          |    |                                   |
|     |               |                 |                                   |        |                                   |                     |                      |                     |          |     |     |           |      |          |    |                                   |
|     |               |                 |                                   |        | 10°F TD/<br>25°F SST              | 6°C TD/<br>-4°C SST | 10°F TD/<br>25°F SST | 6°C TD/<br>-4°C SST | Fan Data |     |     | Air Throw |      | Diameter |    | Standard<br>(Molded<br>Fan Guard) |
|     |               |                 |                                   |        |                                   |                     |                      |                     |          |     |     |           |      |          |    |                                   |
| FPI | New Model     | Legacy<br>Model | BTUH                              | Watts  | BTUH                              | Watts               | No.<br>of<br>Fans    | CFM                 | m³H      | in. | mm  | ft.       | m    | ft.      | m  |                                   |
| 6   | LEM0250*S6H*A | BMG190          | 22,750                            | 6,650  | 29,000                            | 8,500               | 2                    | 4,450               | 7,731    | 18  | 457 | 60        | 18.5 | 45       | 14 |                                   |
| 6   | LEM0300*S6H*A | BMG260          | 29,900                            | 8,750  | 34,350                            | 10,050              | 2                    | 4,350               | 7,391    | 18  | 457 | 60        | 18.5 | 45       | 14 |                                   |
| 6   | LEM0370*S6H*A | BMG310          | 35,650                            | 10,450 | 42,500                            | 12,450              | 3                    | 6,800               | 11,553   | 18  | 457 | 60        | 18.5 | 45       | 14 |                                   |
| 6   | LEM0475*S6H*A | BMG390          | 44,850                            | 13,150 | 54,650                            | 16,000              | 3                    | 6,500               | 11,044   | 18  | 457 | 60        | 18.5 | 45       | 14 |                                   |
| 6   | LEM0595*S6H*A | BMG430          | 49,450                            | 14,500 | 68,600                            | 20,100              | 4                    | 8,500               | 14,442   | 18  | 457 | 60        | 18.5 | 45       | 14 |                                   |
| 6   | LEM0735*S6H*A | BMG520          | 62,350                            | 18,250 | 85,100                            | 24,950              | 4                    | 8,100               | 13,762   | 18  | 457 | 60        | 18.5 | 45       | 14 |                                   |
| 4   | LEM0225*S4H*A | BMF165          | 19,850                            | 5,800  | 25,650                            | 7,500               | 2                    | 4,750               | 8,070    | 18  | 457 | 60        | 18.5 | 45       | 14 |                                   |
| 4   | LEM0250*S4H*A | BMF220          | 25,300                            | 7,400  | 27,600                            | 8,100               | 2                    | 4,550               | 7,731    | 18  | 457 | 60        | 18.5 | 45       | 14 |                                   |
| 4   | LEM0325*S4H*A | BMF250          | 29,000                            | 8,500  | 37,700                            | 11,050              | 3                    | 7,100               | 12,063   | 18  | 457 | 60        | 18.5 | 45       | 14 |                                   |
| 4   | LEM0420*S4H*A | BMF330          | 37,950                            | 11,100 | 48,300                            | 14,150              | 3                    | 6,750               | 11,468   | 18  | 457 | 60        | 18.5 | 45       | 14 |                                   |
| 4   | LEM0490*S4H*A | BMF370          | 42,500                            | 12,450 | 56,550                            | 16,550              | 4                    | 8,800               | 14,951   | 18  | 457 | 60        | 18.5 | 45       | 14 |                                   |
| 4   | LEM0620*S4H*A | BMF440          | 52,650                            | 15,450 | 71,500                            | 20,950              | 4                    | 8,400               | 14,272   | 18  | 457 | 60        | 18.5 | 45       | 14 |                                   |

|   |               |        | R-407A/R-407F         |                     | R-407C                |                     | Fan Data |       |        | Air Throw   |     |                             |      |                           |     |
|---|---------------|--------|-----------------------|---------------------|-----------------------|---------------------|----------|-------|--------|-------------|-----|-----------------------------|------|---------------------------|-----|
|   |               |        | Application Capacity¹ |                     | Application Capacity¹ |                     |          |       |        | Diameter    |     | Standard (Molded Fan Guard) |      | Diffused (Wire Fan Guard) |     |
|   |               |        | 10°F TD/<br>25°F SST  | 6°C TD/<br>-4°C SST | 10°F TD/<br>25°F SST  | 6°C TD/<br>-4°C SST |          |       |        |             |     |                             |      |                           |     |
|   |               |        | FPI                   | New Model           | Legacy Model          | BTUH                | Watts    | BTUH  | Watts  | No. of Fans | CFM | m³H                         | in.  | mm                        | ft. |
| 6 | LEM0250*S6H*A | BMG190 | 25,100                | 7,350               | 23,600                | 6,900               | 2        | 4,450 | 7,731  | 18          | 457 | 60                          | 18.5 | 45                        | 14  |
| 6 | LEM0300*S6H*A | BMG260 | 32,750                | 9,600               | 32,800                | 9,600               | 2        | 4,350 | 7,391  | 18          | 457 | 60                          | 18.5 | 45                        | 14  |
| 6 | LEM0370*S6H*A | BMG310 | 39,100                | 11,450              | 39,100                | 11,450              | 3        | 6,800 | 11,553 | 18          | 457 | 60                          | 18.5 | 45                        | 14  |
| 6 | LEM0475*S6H*A | BMG390 | 49,450                | 14,500              | 49,450                | 14,500              | 3        | 6,500 | 11,044 | 18          | 457 | 60                          | 18.5 | 45                        | 14  |
| 6 | LEM0595*S6H*A | BMG430 | 57,000                | 16,700              | 53,500                | 15,700              | 4        | 8,500 | 14,442 | 18          | 457 | 60                          | 18.5 | 45                        | 14  |
| 6 | LEM0735*S6H*A | BMG520 | 71,000                | 20,800              | 65,550                | 19,200              | 4        | 8,100 | 13,762 | 18          | 457 | 60                          | 18.5 | 45                        | 14  |
| 4 | LEM0225*S4H*A | BMF165 | 21,750                | 6,350               | 20,700                | 6,050               | 2        | 4,750 | 8,070  | 18          | 457 | 60                          | 18.5 | 45                        | 14  |
| 4 | LEM0250*S4H*A | BMF220 | 27,600                | 8,100               | 27,600                | 8,100               | 2        | 4,550 | 7,731  | 18          | 457 | 60                          | 18.5 | 45                        | 14  |
| 4 | LEM0325*S4H*A | BMF250 | 32,350                | 9,500               | 31,050                | 9,100               | 3        | 7,100 | 12,063 | 18          | 457 | 60                          | 18.5 | 45                        | 14  |
| 4 | LEM0420*S4H*A | BMF330 | 41,950                | 12,300              | 41,950                | 12,300              | 3        | 6,750 | 11,468 | 18          | 457 | 60                          | 18.5 | 45                        | 14  |
| 4 | LEM0490*S4H*A | BMF370 | 46,850                | 13,750              | 46,000                | 13,500              | 4        | 8,800 | 14,951 | 18          | 457 | 60                          | 18.5 | 45                        | 14  |
| 4 | LEM0620*S4H*A | BMF440 | 59,500                | 17,450              | 55,750                | 16,350              | 4        | 8,400 | 14,272 | 18          | 457 | 60                          | 18.5 | 45                        | 14  |

## Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

# A1 PERFORMANCE DATA

Application Capacity: Medium Temperature Hot Gas Defrost- 50 Hz (For PSC Motors)<sup>†</sup>

Please consult AWEF table on page 60 to confirm model meets DOE minimum AWEF

Please refer to Table 1: Capacity Correction Factors (page 6) if using Saturated Suction Temperatures different than listed in the information below

|     |               |              | R-404A/R-507A         |                     | R-448A/R-449A         |                     | Fan Data    |       |        | Air Throw |     |                             |    |                           |    |
|-----|---------------|--------------|-----------------------|---------------------|-----------------------|---------------------|-------------|-------|--------|-----------|-----|-----------------------------|----|---------------------------|----|
|     |               |              | Application Capacity¹ |                     | Application Capacity¹ |                     |             |       |        | Diameter  |     | Standard (Molded Fan Guard) |    | Diffused (Wire Fan Guard) |    |
|     |               |              | 10°F TD/<br>25°F SST  | 6°C TD/<br>-4°C SST | 10°F TD/<br>25°F SST  | 6°C TD/<br>-4°C SST |             |       |        |           |     |                             |    |                           |    |
| FPI | New Model     | Legacy Model | BTUH                  | Watts               | BTUH                  | Watts               | No. of Fans | CFM   | m³H    | in.       | mm  | ft.                         | m  | ft.                       | m  |
| 6   | LEM0250*S6H^A | BMG190       | 20,950                | 6,150               | 26,700                | 7,800               | 2           | 4,095 | 6,957  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0300*S6H^A | BMG260       | 27,500                | 8,050               | 31,600                | 9,250               | 2           | 4,345 | 7,382  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0370*S6H^A | BMG310       | 32,800                | 9,600               | 39,100                | 11,450              | 3           | 6,807 | 11,565 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0475*S6H^A | BMG390       | 41,250                | 12,100              | 50,300                | 14,750              | 3           | 6,517 | 11,072 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0595*S6H^A | BMG430       | 45,500                | 13,350              | 63,100                | 18,500              | 4           | 8,496 | 14,435 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 6   | LEM0735*S6H^A | BMG520       | 57,350                | 16,800              | 78,300                | 22,950              | 4           | 8,110 | 13,779 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0225*S4H^A | BMF165       | 18,250                | 5,350               | 23,600                | 6,900               | 2           | 4,731 | 8,038  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0250*S4H^A | BMF220       | 23,300                | 6,850               | 25,400                | 7,450               | 2           | 4,538 | 7,710  | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0325*S4H^A | BMF250       | 26,700                | 7,800               | 34,700                | 10,150              | 3           | 7,096 | 12,056 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0420*S4H^A | BMF330       | 34,900                | 10,250              | 44,450                | 13,050              | 3           | 6,734 | 11,441 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0490*S4H^A | BMF370       | 39,150                | 11,450              | 52,050                | 15,250              | 4           | 8,786 | 14,928 | 18        | 457 | 55                          | 17 | 40                        | 13 |
| 4   | LEM0620*S4H^A | BMF440       | 48,450                | 14,200              | 65,800                | 19,300              | 4           | 8,400 | 14,272 | 18        | 457 | 55                          | 17 | 40                        | 13 |

|   |               |        | R-407A/R-407F         |                     | R-407C                |                     | Fan Data |       |        | Air Throw   |     |                             |     |                           |     |
|---|---------------|--------|-----------------------|---------------------|-----------------------|---------------------|----------|-------|--------|-------------|-----|-----------------------------|-----|---------------------------|-----|
|   |               |        | Application Capacity¹ |                     | Application Capacity¹ |                     |          |       |        | Diameter    |     | Standard (Molded Fan Guard) |     | Diffused (Wire Fan Guard) |     |
|   |               |        | 10°F TD/<br>25°F SST  | 6°C TD/<br>-4°C SST | 10°F TD/<br>25°F SST  | 6°C TD/<br>-4°C SST |          |       |        |             |     |                             |     |                           |     |
|   |               |        | FPI                   | New Model           | Legacy Model          | BTUH                | Watts    | BTUH  | Watts  | No. of Fans | CFM | m³H                         | in. | mm                        | ft. |
| 6 | LEM0250*S6H^A | BMG190 | 23,100                | 6,750               | 21,700                | 6,350               | 2        | 4,095 | 6,957  | 18          | 457 | 55                          | 17  | 40                        | 13  |
| 6 | LEM0300*S6H^A | BMG260 | 30,150                | 8,850               | 30,200                | 8,850               | 2        | 4,345 | 7,382  | 18          | 457 | 55                          | 17  | 40                        | 13  |
| 6 | LEM0370*S6H^A | BMG310 | 35,950                | 10,550              | 35,950                | 10,550              | 3        | 6,807 | 11,565 | 18          | 457 | 55                          | 17  | 40                        | 13  |
| 6 | LEM0475*S6H^A | BMG390 | 45,500                | 13,350              | 45,500                | 13,350              | 3        | 6,517 | 11,072 | 18          | 457 | 55                          | 17  | 40                        | 13  |
| 6 | LEM0595*S6H^A | BMG430 | 52,450                | 15,350              | 49,200                | 14,400              | 4        | 8,496 | 14,435 | 18          | 457 | 55                          | 17  | 40                        | 13  |
| 6 | LEM0735*S6H^A | BMG520 | 65,300                | 19,150              | 60,300                | 17,650              | 4        | 8,110 | 13,779 | 18          | 457 | 55                          | 17  | 40                        | 13  |
| 4 | LEM0225*S4H^A | BMF165 | 20,000                | 5,850               | 19,050                | 5,600               | 2        | 4,731 | 8,038  | 18          | 457 | 55                          | 17  | 40                        | 13  |
| 4 | LEM0250*S4H^A | BMF220 | 25,400                | 7,450               | 25,400                | 7,450               | 2        | 4,538 | 7,710  | 18          | 457 | 55                          | 17  | 40                        | 13  |
| 4 | LEM0325*S4H^A | BMF250 | 29,750                | 8,700               | 28,550                | 8,350               | 3        | 7,096 | 12,056 | 18          | 457 | 55                          | 17  | 40                        | 13  |
| 4 | LEM0420*S4H^A | BMF330 | 38,600                | 11,300              | 38,600                | 11,300              | 3        | 6,734 | 11,441 | 18          | 457 | 55                          | 17  | 40                        | 13  |
| 4 | LEM0490*S4H^A | BMF370 | 43,100                | 12,650              | 42,300                | 12,400              | 4        | 8,786 | 14,928 | 18          | 457 | 55                          | 17  | 40                        | 13  |
| 4 | LEM0620*S4H^A | BMF440 | 54,750                | 16,050              | 51,300                | 15,050              | 4        | 8,400 | 14,272 | 18          | 457 | 55                          | 17  | 40                        | 13  |

## Notes:

<sup>1</sup> = Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at [www.regulations.doe.gov](http://www.regulations.doe.gov)

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

<sup>†</sup> = For single speed and 2-speed EC motors, use 60 Hz capacity and airflow values. (units with EC motors operating at 50 Hz will not see a reduction in performance due to the electronic control of the motor)

Net Capacity is available upon request

# A2L SPECIFICATIONS

## Hot Gas Defrost- 60 Hz

Please consult AWEF table on page 59 to confirm model meets DOE minimum AWEF

| FPI | New Model     | EC Motors<br>(includes 2-Speed,<br>Fixed Speed and VSEC) |      |       |     |      | EC Motors<br>(includes 2-Speed,<br>Fixed Speed and VSEC) |      |       |     |      | EC Motors<br>(includes 2-Speed,<br>Fixed Speed and VSEC) |      |       |     |      |
|-----|---------------|----------------------------------------------------------|------|-------|-----|------|----------------------------------------------------------|------|-------|-----|------|----------------------------------------------------------|------|-------|-----|------|
|     |               | 115/1/60                                                 |      |       |     |      | 208-230/1/60                                             |      |       |     |      | 460/1/60                                                 |      |       |     |      |
|     |               | HP                                                       | Amps | Watts | MCA | MOPD | HP                                                       | Amps | Watts | MCA | MOPD | HP                                                       | Amps | Watts | MCA | MOPD |
| 4   | LEM0225*Y4H^A | 1/4                                                      | 7.0  | 419   | 15  | 20   | 1/4                                                      | 3.5  | 426   | 15  | 20   | 1/3                                                      | 3.2  | 382   | 15  | 15   |
| 4   | LEM0250*Y4H^A | 1/4                                                      | 7.0  | 419   | 15  | 20   | 1/4                                                      | 3.5  | 426   | 15  | 20   | 1/3                                                      | 3.2  | 382   | 15  | 15   |
| 4   | LEM0325*Y4H^A | 1/4                                                      | 10.4 | 628   | 15  | 20   | 1/4                                                      | 5.2  | 638   | 15  | 20   | 1/3                                                      | 4.8  | 573   | 15  | 15   |
| 4   | LEM0420*Y4H^A | 1/4                                                      | 10.4 | 628   | 15  | 20   | 1/4                                                      | 5.2  | 638   | 15  | 20   | 1/3                                                      | 4.8  | 573   | 15  | 15   |
| 4   | LEM0490*Y4H^A | 1/4                                                      | 13.9 | 838   | 20  | 25   | 1/4                                                      | 7.0  | 851   | 15  | 20   | 1/3                                                      | 6.4  | 764   | 15  | 15   |
| 4   | LEM0620*Y4H^A | 1/4                                                      | 13.9 | 838   | 20  | 25   | 1/4                                                      | 7.0  | 851   | 15  | 20   | 1/3                                                      | 6.4  | 764   | 15  | 15   |
| 6   | LEM0250*Y6H^A | 1/4                                                      | 7.0  | 419   | 15  | 20   | 1/4                                                      | 3.5  | 426   | 15  | 20   | 1/3                                                      | 3.2  | 382   | 15  | 15   |
| 6   | LEM0300*Y6H^A | 1/4                                                      | 7.0  | 419   | 15  | 20   | 1/4                                                      | 3.5  | 426   | 15  | 20   | 1/3                                                      | 3.2  | 382   | 15  | 15   |
| 6   | LEM0370*Y6H^A | 1/4                                                      | 10.4 | 628   | 15  | 20   | 1/4                                                      | 5.2  | 638   | 15  | 20   | 1/3                                                      | 4.8  | 573   | 15  | 15   |
| 6   | LEM0475*Y6H^A | 1/4                                                      | 10.4 | 628   | 15  | 20   | 1/4                                                      | 5.2  | 638   | 15  | 20   | 1/3                                                      | 4.8  | 573   | 15  | 15   |
| 6   | LEM0595*Y6H^A | 1/4                                                      | 13.9 | 838   | 20  | 25   | 1/4                                                      | 7.0  | 851   | 15  | 20   | 1/3                                                      | 6.4  | 764   | 15  | 15   |
| 6   | LEM0735*Y6H^A | 1/4                                                      | 13.9 | 838   | 20  | 25   | 1/4                                                      | 7.0  | 851   | 15  | 20   | 1/3                                                      | 6.4  | 764   | 15  | 15   |

| FPI | New Model     | Drain Pan Heaters |      |          |      |          |      |          |      |
|-----|---------------|-------------------|------|----------|------|----------|------|----------|------|
|     |               | 115/1/60          |      | 230/1/60 |      | 460/1/60 |      | 575/1/60 |      |
|     |               | Watts             | Amps | Watts    | Amps | Watts    | Amps | Watts    | Amps |
| 4   | LEM0225*Y4H^A | 950               | 8.3  | 950      | 4.1  | 950      | 2.1  | 950      | 1.7  |
| 4   | LEM0250*Y4H^A | 950               | 8.3  | 950      | 4.1  | 950      | 2.1  | 950      | 1.7  |
| 4   | LEM0325*Y4H^A | 1,350             | 11.7 | 1,350    | 5.9  | 1,350    | 2.9  | 1,350    | 2.4  |
| 4   | LEM0420*Y4H^A | 1,350             | 11.7 | 1,350    | 5.9  | 1,350    | 2.9  | 1,350    | 2.4  |
| 4   | LEM0490*Y4H^A | 1,800             | 15.7 | 1,800    | 7.8  | 1,800    | 3.9  | 1,800    | 3.1  |
| 4   | LEM0620*Y4H^A | 1,800             | 15.7 | 1,800    | 7.8  | 1,800    | 3.9  | 1,800    | 3.1  |
| 6   | LEM0250*Y6H^A | 950               | 8.3  | 950      | 4.1  | 950      | 2.1  | 950      | 1.7  |
| 6   | LEM0300*Y6H^A | 950               | 8.3  | 950      | 4.1  | 950      | 2.1  | 950      | 1.7  |
| 6   | LEM0370*Y6H^A | 1,350             | 11.7 | 1,350    | 5.9  | 1,350    | 2.9  | 1,350    | 2.4  |
| 6   | LEM0475*Y6H^A | 1,350             | 11.7 | 1,350    | 5.9  | 1,350    | 2.9  | 1,350    | 2.4  |
| 6   | LEM0595*Y6H^A | 1,800             | 15.7 | 1,800    | 7.8  | 1,800    | 3.9  | 1,800    | 3.1  |
| 6   | LEM0735*Y6H^A | 1,800             | 15.7 | 1,800    | 7.8  | 1,800    | 3.9  | 1,800    | 3.1  |

### Notes:

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

± = Refrigerant Designator (See Nomenclature details)

# A2L SPECIFICATIONS

## Hot Gas Defrost- 60 Hz

Please consult AWEF table on page 59 to confirm model meets DOE minimum AWEF

|     |               | PSC Motors<br>(includes Standard and Totally Enclosed) |      |       |     |      |              |      |       |     |      |
|-----|---------------|--------------------------------------------------------|------|-------|-----|------|--------------|------|-------|-----|------|
|     |               | 115/1/60                                               |      |       |     |      | 208-230/3/60 |      |       |     |      |
| FPI | New Model     | HP                                                     | Amps | Watts | MCA | MOPD | HP           | Amps | Watts | MCA | MOPD |
| 4   | LEM0225*Y4H^A | 1/4                                                    | 8.0  | 600   | 15  | 20   | 1/4          | 3.6  | 610   | 15  | 20   |
| 4   | LEM0250*Y4H^A | 1/4                                                    | 8.0  | 600   | 15  | 20   | 1/4          | 3.6  | 610   | 15  | 20   |
| 4   | LEM0325*Y4H^A | 1/4                                                    | 12.0 | 900   | 15  | 20   | 1/4          | 5.4  | 915   | 15  | 20   |
| 4   | LEM0420*Y4H^A | 1/4                                                    | 12.0 | 900   | 15  | 20   | 1/4          | 5.4  | 915   | 15  | 20   |
| 4   | LEM0490*Y4H^A | 1/4                                                    | 16.0 | 1,200 | 20  | 25   | 1/4          | 7.2  | 1,220 | 15  | 20   |
| 4   | LEM0620*Y4H^A | 1/4                                                    | 16.0 | 1,200 | 20  | 25   | 1/4          | 7.2  | 1,220 | 15  | 20   |
| 6   | LEM0250*Y6H^A | 1/4                                                    | 8.0  | 600   | 15  | 20   | 1/4          | 3.6  | 610   | 15  | 20   |
| 6   | LEM0300*Y6H^A | 1/4                                                    | 8.0  | 600   | 15  | 20   | 1/4          | 3.6  | 610   | 15  | 20   |
| 6   | LEM0370*Y6H^A | 1/4                                                    | 12.0 | 900   | 15  | 20   | 1/4          | 5.4  | 915   | 15  | 20   |
| 6   | LEM0475*Y6H^A | 1/4                                                    | 12.0 | 900   | 15  | 20   | 1/4          | 5.4  | 915   | 15  | 20   |
| 6   | LEM0595*Y6H^A | 1/4                                                    | 16.0 | 1,200 | 20  | 25   | 1/4          | 7.2  | 1,220 | 15  | 20   |
| 6   | LEM0735*Y6H^A | 1/4                                                    | 16.0 | 1,200 | 20  | 25   | 1/4          | 7.2  | 1,220 | 15  | 20   |

|     |               | PSC Motors<br>(includes Standard and Totally Enclosed) |      |       |     |      |          |      |       |     |      |
|-----|---------------|--------------------------------------------------------|------|-------|-----|------|----------|------|-------|-----|------|
|     |               | 460/1/60                                               |      |       |     |      | 575/1/60 |      |       |     |      |
| FPI | New Model     | HP                                                     | Amps | Watts | MCA | MOPD | HP       | Amps | Watts | MCA | MOPD |
| 4   | LEM0225*Y4H^A | 1/4                                                    | 2.0  | 610   | 15  | 15   | 1/3      | 1.5  | 610   | 15  | 15   |
| 4   | LEM0250*Y4H^A | 1/4                                                    | 2.0  | 610   | 15  | 15   | 1/3      | 1.5  | 610   | 15  | 15   |
| 4   | LEM0325*Y4H^A | 1/4                                                    | 3.0  | 915   | 15  | 15   | 1/3      | 2.3  | 915   | 15  | 15   |
| 4   | LEM0420*Y4H^A | 1/4                                                    | 3.0  | 915   | 15  | 15   | 1/3      | 2.3  | 915   | 15  | 15   |
| 4   | LEM0490*Y4H^A | 1/4                                                    | 4.0  | 1,220 | 15  | 15   | 1/3      | 3.0  | 1,220 | 15  | 15   |
| 4   | LEM0620*Y4H^A | 1/4                                                    | 4.0  | 1,220 | 15  | 15   | 1/3      | 3.0  | 1,220 | 15  | 15   |
| 6   | LEM0250*Y6H^A | 1/4                                                    | 2.0  | 610   | 15  | 15   | 1/3      | 1.5  | 610   | 15  | 15   |
| 6   | LEM0300*Y6H^A | 1/4                                                    | 2.0  | 610   | 15  | 15   | 1/3      | 1.5  | 610   | 15  | 15   |
| 6   | LEM0370*Y6H^A | 1/4                                                    | 3.0  | 915   | 15  | 15   | 1/3      | 2.3  | 915   | 15  | 15   |
| 6   | LEM0475*Y6H^A | 1/4                                                    | 3.0  | 915   | 15  | 15   | 1/3      | 2.3  | 915   | 15  | 15   |
| 6   | LEM0595*Y6H^A | 1/4                                                    | 4.0  | 1,220 | 15  | 15   | 1/3      | 3.0  | 1,220 | 15  | 15   |
| 6   | LEM0735*Y6H^A | 1/4                                                    | 4.0  | 1,220 | 15  | 15   | 1/3      | 3.0  | 1,220 | 15  | 15   |

### Notes:

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

± = Refrigerant Designator (See Nomenclature details)

# A1 SPECIFICATIONS

## Hot Gas Defrost- 60 Hz

Please consult AWEF table on page 60 to confirm model meets DOE minimum AWEF

| EC Motors<br>(includes 2-Speed, Fixed Speed and VSEC) |               |     |      |       |     |      |      |       |     |      |      |       |     |      | Drain Pan Heaters |            |              |          |
|-------------------------------------------------------|---------------|-----|------|-------|-----|------|------|-------|-----|------|------|-------|-----|------|-------------------|------------|--------------|----------|
|                                                       |               |     |      |       |     |      |      |       |     |      |      |       |     |      | Watts             | 115/1/60   | 208-230/1/60 | 460/1/60 |
| FPI                                                   | New Model     | HP  | Amps | Watts | MCA | MOPD | Amps | Watts | MCA | MOPD | Amps | Watts | MCA | MOPD |                   | Total Amps |              |          |
| 6                                                     | LEM0250*S6H^A | 1/4 | 7.0  | 417   | 15  | 20   | 3.5  | 417   | 15  | 20   | 3.2  | 382   | 15  | 15   | 950               | 8.3        | 4.1          | 2.1      |
| 6                                                     | LEM0300*S6H^A | 1/4 | 7.0  | 417   | 15  | 20   | 3.5  | 417   | 15  | 20   | 3.2  | 382   | 15  | 15   | 950               | 8.3        | 4.1          | 2.1      |
| 6                                                     | LEM0370*S6H^A | 1/4 | 10.4 | 625   | 15  | 20   | 5.2  | 625   | 15  | 20   | 4.8  | 573   | 15  | 15   | 1,350             | 11.7       | 5.9          | 2.9      |
| 6                                                     | LEM0475*S6H^A | 1/4 | 10.4 | 625   | 15  | 20   | 5.2  | 625   | 15  | 20   | 4.8  | 573   | 15  | 15   | 1,350             | 11.7       | 5.9          | 2.9      |
| 6                                                     | LEM0595*S6H^A | 1/4 | 13.9 | 834   | 20  | 25   | 7.0  | 834   | 15  | 20   | 6.4  | 764   | 15  | 15   | 1,800             | 15.7       | 7.8          | 3.9      |
| 6                                                     | LEM0735*S6H^A | 1/4 | 13.9 | 834   | 20  | 25   | 7.0  | 834   | 15  | 20   | 6.4  | 764   | 15  | 15   | 1,800             | 15.7       | 7.8          | 3.9      |
| 4                                                     | LEM0225*S4H^A | 1/4 | 7.0  | 417   | 15  | 20   | 3.5  | 417   | 15  | 20   | 3.2  | 382   | 15  | 15   | 950               | 8.3        | 4.1          | 2.1      |
| 4                                                     | LEM0250*S4H^A | 1/4 | 7.0  | 417   | 15  | 20   | 3.5  | 417   | 15  | 20   | 3.2  | 382   | 15  | 15   | 950               | 8.3        | 4.1          | 2.1      |
| 4                                                     | LEM0325*S4H^A | 1/4 | 10.4 | 625   | 15  | 20   | 5.2  | 625   | 15  | 20   | 4.8  | 573   | 15  | 15   | 1,350             | 11.7       | 5.9          | 2.9      |
| 4                                                     | LEM0420*S4H^A | 1/4 | 10.4 | 625   | 15  | 20   | 5.2  | 625   | 15  | 20   | 4.8  | 573   | 15  | 15   | 1,350             | 11.7       | 5.9          | 2.9      |
| 4                                                     | LEM0490*S4H^A | 1/4 | 13.9 | 834   | 20  | 25   | 7.0  | 834   | 15  | 20   | 6.4  | 764   | 15  | 15   | 1,800             | 15.7       | 7.8          | 3.9      |
| 4                                                     | LEM0620*S4H^A | 1/4 | 13.9 | 834   | 20  | 25   | 7.0  | 834   | 15  | 20   | 6.4  | 764   | 15  | 15   | 1,800             | 15.7       | 7.8          | 3.9      |

| PSC Motors<br>(includes Standard and Totally-Enclosed) |               |     |      |       |     |      |      |       |     |      |      |       |     |      | Drain Pan Heaters |            |              |          |
|--------------------------------------------------------|---------------|-----|------|-------|-----|------|------|-------|-----|------|------|-------|-----|------|-------------------|------------|--------------|----------|
|                                                        |               |     |      |       |     |      |      |       |     |      |      |       |     |      | Watts             | 115/1/60   | 208-230/1/60 | 460/1/60 |
| FPI                                                    | New Model     | HP  | Amps | Watts | MCA | MOPD | Amps | Watts | MCA | MOPD | Amps | Watts | MCA | MOPD |                   | Total Amps |              |          |
| 6                                                      | LEM0250*S6H^A | 1/4 | 8.0  | 600   | 15  | 20   | 3.6  | 610   | 15  | 20   | 2.0  | 610   | 15  | 15   | 950               | 8.3        | 4.1          | 2.1      |
| 6                                                      | LEM0300*S6H^A | 1/4 | 8.0  | 600   | 15  | 20   | 3.6  | 610   | 15  | 20   | 2.0  | 610   | 15  | 15   | 950               | 8.3        | 4.1          | 2.1      |
| 6                                                      | LEM0370*S6H^A | 1/4 | 12.0 | 900   | 15  | 20   | 5.4  | 915   | 15  | 20   | 3.0  | 915   | 15  | 15   | 1,350             | 11.7       | 5.9          | 2.9      |
| 6                                                      | LEM0475*S6H^A | 1/4 | 12.0 | 900   | 15  | 20   | 5.4  | 915   | 15  | 20   | 3.0  | 915   | 15  | 15   | 1,350             | 11.7       | 5.9          | 2.9      |
| 6                                                      | LEM0595*S6H^A | 1/4 | 16.0 | 1,200 | 20  | 25   | 7.2  | 1,220 | 15  | 20   | 4.0  | 1,220 | 15  | 15   | 1,800             | 15.7       | 7.8          | 3.9      |
| 6                                                      | LEM0735*S6H^A | 1/4 | 16.0 | 1,200 | 20  | 25   | 7.2  | 1,200 | 15  | 20   | 4.0  | 1,220 | 15  | 15   | 1,800             | 15.7       | 7.8          | 3.9      |
| 4                                                      | LEM0225*S4H^A | 1/4 | 8.0  | 600   | 15  | 20   | 3.6  | 610   | 15  | 20   | 2.0  | 610   | 15  | 15   | 950               | 8.3        | 4.1          | 2.1      |
| 4                                                      | LEM0250*S4H^A | 1/4 | 8.0  | 600   | 15  | 20   | 3.6  | 610   | 15  | 20   | 2.0  | 610   | 15  | 15   | 950               | 8.3        | 4.1          | 2.1      |
| 4                                                      | LEM0325*S4H^A | 1/4 | 12.0 | 900   | 15  | 20   | 5.4  | 915   | 15  | 20   | 3.0  | 915   | 15  | 15   | 1,350             | 11.7       | 5.9          | 2.9      |
| 4                                                      | LEM0420*S4H^A | 1/4 | 12.0 | 900   | 15  | 20   | 5.4  | 915   | 15  | 20   | 3.0  | 915   | 15  | 15   | 1,350             | 11.7       | 5.9          | 2.9      |
| 4                                                      | LEM0490*S4H^A | 1/4 | 16.0 | 1,200 | 20  | 25   | 7.2  | 1,220 | 15  | 20   | 4.0  | 1,220 | 15  | 15   | 1,800             | 15.7       | 7.8          | 3.9      |
| 4                                                      | LEM0620*S4H^A | 1/4 | 16.0 | 1,200 | 20  | 25   | 7.2  | 1,200 | 15  | 20   | 4.0  | 1,220 | 15  | 15   | 1,800             | 15.7       | 7.8          | 3.9      |

### Notes:

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

# A1 SPECIFICATIONS –

## Hot Gas Defrost- 50 Hz

Please consult AWEF table on page 60 to confirm model meets DOE minimum AWEF

|     |               |     | EC Motors<br>(includes 2-speed, Fixed Speed and VSEC) |       |     |      |          |       |     |      | Drain Pan Heaters |            |          |
|-----|---------------|-----|-------------------------------------------------------|-------|-----|------|----------|-------|-----|------|-------------------|------------|----------|
|     |               |     | 110/1/50                                              |       |     |      | 220/1/50 |       |     |      | Watts             | 110/1/50   | 220/1/50 |
| FPI | New Model     | HP  | Amps                                                  | Watts | MCA | MOPD | Amps     | Watts | MCA | MOPD |                   | Total Amps |          |
| 6   | LEM0250*S6H^A | 1/4 | 7.0                                                   | 417   | 15  | 20   | 3.5      | 417   | 15  | 20   | 860               | 7.8        | 3.9      |
| 6   | LEM0300*S6H^A | 1/4 | 7.0                                                   | 417   | 15  | 20   | 3.5      | 417   | 15  | 20   | 860               | 7.8        | 3.9      |
| 6   | LEM0370*S6H^A | 1/4 | 10.4                                                  | 625   | 15  | 20   | 5.2      | 625   | 15  | 20   | 1,230             | 11.2       | 5.6      |
| 6   | LEM0475*S6H^A | 1/4 | 10.4                                                  | 625   | 15  | 20   | 5.2      | 625   | 15  | 20   | 1,230             | 11.2       | 5.6      |
| 6   | LEM0595*S6H^A | 1/4 | 13.9                                                  | 834   | 20  | 25   | 7.0      | 834   | 15  | 20   | 1,650             | 15.0       | 7.5      |
| 6   | LEM0735*S6H^A | 1/4 | 13.9                                                  | 834   | 20  | 25   | 7.0      | 834   | 15  | 20   | 1,650             | 15.0       | 7.5      |
| 4   | LEM0225*S4H^A | 1/4 | 7.0                                                   | 417   | 15  | 20   | 3.5      | 417   | 15  | 20   | 860               | 7.8        | 3.9      |
| 4   | LEM0250*S4H^A | 1/4 | 7.0                                                   | 417   | 15  | 20   | 3.5      | 417   | 15  | 20   | 860               | 7.8        | 3.9      |
| 4   | LEM0325*S4H^A | 1/4 | 10.4                                                  | 625   | 15  | 20   | 5.2      | 625   | 15  | 20   | 1,230             | 11.2       | 5.6      |
| 4   | LEM0420*S4H^A | 1/4 | 10.4                                                  | 625   | 15  | 20   | 5.2      | 625   | 15  | 20   | 1,230             | 11.2       | 5.6      |
| 4   | LEM0490*S4H^A | 1/4 | 13.9                                                  | 834   | 20  | 25   | 7.0      | 834   | 15  | 20   | 1,650             | 15.0       | 7.5      |
| 4   | LEM0620*S4H^A | 1/4 | 13.9                                                  | 834   | 20  | 25   | 7.0      | 834   | 15  | 20   | 1,650             | 15.0       | 7.5      |

|     |               |     | PSC Motors<br>(includes Standard and Totally-Enclosed) |       |     |      |          |       |     |      | Drain Pan Heaters |            |          |
|-----|---------------|-----|--------------------------------------------------------|-------|-----|------|----------|-------|-----|------|-------------------|------------|----------|
|     |               |     | 110/1/50                                               |       |     |      | 220/1/50 |       |     |      | Watts             | 110/1/50   | 220/1/50 |
| FPI | New Model     | HP  | Amps                                                   | Watts | MCA | MOPD | Amps     | Watts | MCA | MOPD |                   | Total Amps |          |
| 6   | LEM0250*S6H^A | 1/4 | 8.0                                                    | 600   | 15  | 20   | 3.6      | 610   | 15  | 20   | 860               | 7.8        | 3.9      |
| 6   | LEM0300*S6H^A | 1/4 | 8.0                                                    | 600   | 15  | 20   | 3.6      | 610   | 15  | 20   | 860               | 7.8        | 3.9      |
| 6   | LEM0370*S6H^A | 1/4 | 12.0                                                   | 900   | 15  | 20   | 5.4      | 915   | 15  | 20   | 1,230             | 11.2       | 5.6      |
| 6   | LEM0475*S6H^A | 1/4 | 12.0                                                   | 900   | 15  | 20   | 5.4      | 915   | 15  | 20   | 1,230             | 11.2       | 5.6      |
| 6   | LEM0595*S6H^A | 1/4 | 16.0                                                   | 1,200 | 20  | 25   | 7.2      | 1,220 | 15  | 20   | 1,650             | 15.0       | 7.5      |
| 6   | LEM0735*S6H^A | 1/4 | 16.0                                                   | 1,200 | 20  | 25   | 7.2      | 1,220 | 15  | 20   | 1,650             | 15.0       | 7.5      |
| 4   | LEM0225*S4H^A | 1/4 | 8.0                                                    | 600   | 15  | 20   | 3.6      | 610   | 15  | 20   | 860               | 7.8        | 3.9      |
| 4   | LEM0250*S4H^A | 1/4 | 8.0                                                    | 600   | 15  | 20   | 3.6      | 610   | 15  | 20   | 860               | 7.8        | 3.9      |
| 4   | LEM0325*S4H^A | 1/4 | 12.0                                                   | 900   | 15  | 20   | 5.4      | 915   | 15  | 20   | 1,230             | 11.2       | 5.6      |
| 4   | LEM0420*S4H^A | 1/4 | 12.0                                                   | 900   | 15  | 20   | 5.4      | 915   | 15  | 20   | 1,230             | 11.2       | 5.6      |
| 4   | LEM0490*S4H^A | 1/4 | 16.0                                                   | 1,200 | 20  | 25   | 7.2      | 1,220 | 15  | 20   | 1,650             | 15.0       | 7.5      |
| 4   | LEM0620*S4H^A | 1/4 | 16.0                                                   | 1,200 | 20  | 25   | 7.2      | 1,220 | 15  | 20   | 1,650             | 15.0       | 7.5      |

### Notes:

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

## A2L PHYSICAL DATA

### Air Defrost

| FPI | Model         | No. of Fans | Coil Inlet OD | Suction OD | Equalizer OD | Drain MPT | Approx. Net Weight |     |
|-----|---------------|-------------|---------------|------------|--------------|-----------|--------------------|-----|
|     |               |             |               |            |              |           | Lbs.               | Kg  |
| 8   | LEM0185*Y8A^A | 1           | 1/2           | 7/8        | 1/4          | 3/4       | 140                | 64  |
| 8   | LEM0225*Y8A^A | 1           | 1/2           | 1 1/8      | 1/4          | 3/4       | 149                | 68  |
| 8   | LEM0405*Y8A^A | 2           | 7/8           | 1 3/8      | 1/4          | 3/4       | 163                | 74  |
| 8   | LEM0475*Y8A^A | 2           | 7/8           | 1 3/8      | 1/4          | 3/4       | 180                | 82  |
| 8   | LEM0575*Y8A^A | 3           | 7/8           | 1 3/8      | 1/4          | 3/4       | 243                | 110 |
| 8   | LEM0675*Y8A^A | 3           | 1 1/8         | 1 3/8      | 1/4          | 3/4       | 276                | 125 |
| 8   | LEM0775*Y8A^A | 4           | 1 1/8         | 1 5/8      | 1/4          | 3/4       | 279                | 127 |
| 8   | LEM0975*Y8A^A | 4           | 1 3/8         | 1 5/8      | 1/4          | 3/4       | 310                | 141 |
| 8   | LEM1115*Y8A^A | 5           | 1 3/8         | 1 5/8      | 1/4          | 3/4       | 346                | 157 |

**Notes:**

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

# A1 PHYSICAL DATA

Air Defrost (R-404A/R-507A,R-448A/R-449A,R-407A/R-407F/R-407C)

| FPI | Model         | No. of Fans | Coil Inlet OD | Suction OD | Equalizer OD | Drain MPT | Approx. Net Weight |     | Approx. Ship Weight |     |
|-----|---------------|-------------|---------------|------------|--------------|-----------|--------------------|-----|---------------------|-----|
|     |               |             |               |            |              |           | Lbs.               | Kg  | Lbs.                | Kg  |
| 8   | LEM0185*S8A^B | 1           | 1/2           | 7/8        | 1/4          | 3/4       | 152                | 69  | 261                 | 118 |
| 8   | LEM0225*S8A^B | 1           | 1/2           | 7/8        | 1/4          | 3/4       | 152                | 69  | 261                 | 118 |
| 8   | LEM0405*S8A^B | 2           | 7/8           | 1-3/8      | 1/4          | 3/4       | 184                | 83  | 335                 | 152 |
| 8   | LEM0475*S8A^B | 2           | 7/8           | 1-3/8      | 1/4          | 3/4       | 184                | 83  | 335                 | 152 |
| 8   | LEM0575*S8A^B | 3           | 1-1/8         | 1-3/8      | 1/4          | 3/4       | 281                | 127 | 460                 | 209 |
| 8   | LEM0675*S8A^B | 3           | 1-1/8         | 1-3/8      | 1/4          | 3/4       | 281                | 127 | 460                 | 209 |
| 8   | LEM0775*S8A^B | 4           | 1-3/8         | 1-5/8      | 1/4          | 3/4       | 316                | 143 | 543                 | 246 |
| 8   | LEM0975*S8A^B | 4           | 1-3/8         | 1-5/8      | 1/4          | 3/4       | 316                | 143 | 543                 | 246 |
| 8   | LEM1115*S8A^B | 5           | 1-3/8         | 1-5/8      | 1/4          | 3/4       | 353                | 160 | 607                 | 275 |

Air Defrost (CO<sub>2</sub>DX)

| FPI | Model         | No. of Fans | Coil Inlet OD | Suction OD | Equalizer OD | Drain MPT | Approx. Net Weight |     | Approx. Ship Weight |     |
|-----|---------------|-------------|---------------|------------|--------------|-----------|--------------------|-----|---------------------|-----|
|     |               |             |               |            |              |           | Lbs.               | Kg  | Lbs.                | Kg  |
| 8   | LEM0185*C8A^A | 1           | 3/8           | 3/8        | N/A          | 3/4       | 152                | 69  | 261                 | 118 |
| 8   | LEM0225*C8A^A | 1           | 3/8           | 3/8        | N/A          | 3/4       | 152                | 69  | 261                 | 118 |
| 8   | LEM0405*C8A^A | 2           | 3/8           | 1/2        | N/A          | 3/4       | 184                | 83  | 335                 | 152 |
| 8   | LEM0475*C8A^A | 2           | 1/2           | 1/2        | N/A          | 3/4       | 184                | 83  | 335                 | 152 |
| 8   | LEM0575*C8A^A | 3           | 1/2           | 5/8        | N/A          | 3/4       | 281                | 127 | 460                 | 209 |
| 8   | LEM0675*C8A^A | 3           | 1/2           | 5/8        | N/A          | 3/4       | 281                | 127 | 460                 | 209 |
| 8   | LEM0775*C8A^A | 4           | 1/2           | 5/8        | N/A          | 3/4       | 316                | 143 | 543                 | 246 |
| 8   | LEM0975*C8A^A | 4           | 1/2           | 7/8        | N/A          | 3/4       | 316                | 143 | 543                 | 246 |
| 8   | LEM1115*C8A^A | 5           | 1/2           | 7/8        | N/A          | 3/4       | 353                | 160 | 607                 | 275 |

## Notes:

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

## A2L PHYSICAL DATA

### Electric Defrost

|     |               |             |               |            |              |           | Approx. Net Weight |     |
|-----|---------------|-------------|---------------|------------|--------------|-----------|--------------------|-----|
| FPI | Model         | No. of Fans | Coil Inlet OD | Suction OD | Equalizer OD | Drain MPT | Lbs.               | Kg  |
| 4   | LEM0125*Y4E^A | 1           | 1/2           | 7/8        | 1/4          | 3/4       | 152                | 69  |
| 4   | LEM0225*Y4E^A | 2           | 7/8           | 13/8       | 1/4          | 3/4       | 165                | 75  |
| 4   | LEM0250*Y4E^A | 2           | 11/8          | 13/8       | 1/4          | 3/4       | 183                | 83  |
| 4   | LEM0325*Y4E^A | 3           | 11/8          | 15/8       | 1/4          | 3/4       | 252                | 114 |
| 4   | LEM0420*Y4E^A | 3           | 13/8          | 15/8       | 1/4          | 3/4       | 284                | 129 |
| 4   | LEM0490*Y4E^A | 4           | 11/8          | 15/8       | 1/4          | 3/4       | 318                | 144 |
| 4   | LEM0620*Y4E^A | 4           | 13/8          | 15/8       | 1/4          | 3/4       | 358                | 162 |
| 4   | LEM0720*Y4E^A | 5           | 13/8          | 15/8       | 1/4          | 3/4       | 403                | 183 |
| 6   | LEM0125*Y6E^A | 1           | 1/2           | 7/8        | 1/4          | 3/4       | 143                | 65  |
| 6   | LEM0135*Y6E^A | 1           | 1/2           | 7/8        | 1/4          | 3/4       | 153                | 69  |
| 6   | LEM0250*Y6E^A | 2           | 7/8           | 13/8       | 1/4          | 3/4       | 168                | 76  |
| 6   | LEM0300*Y6E^A | 2           | 11/8          | 13/8       | 1/4          | 3/4       | 186                | 84  |
| 6   | LEM0370*Y6E^A | 3           | 11/8          | 15/8       | 1/4          | 3/4       | 255                | 116 |
| 6   | LEM0475*Y6E^A | 3           | 13/8          | 15/8       | 1/4          | 3/4       | 288                | 131 |
| 6   | LEM0595*Y6E^A | 4           | 11/8          | 15/8       | 1/4          | 3/4       | 324                | 147 |
| 6   | LEM0735*Y6E^A | 4           | 13/8          | 15/8       | 1/4          | 3/4       | 365                | 166 |
| 6   | LEM0850*Y6E^A | 5           | 13/8          | 15/8       | 1/4          | 3/4       | 411                | 186 |

# A1 PHYSICAL DATA

Electric Defrost (R-404A/R-507A,R-448A/R-449A,R-407A/R-407F/R-407C)

| FPI | Model         | No. of Fans | Coil Inlet OD | Suction OD | Equalizer OD | Drain MPT | Approx. Net Weight |     | Approx. Ship Weight |     |
|-----|---------------|-------------|---------------|------------|--------------|-----------|--------------------|-----|---------------------|-----|
|     |               |             |               |            |              |           | Lbs.               | Kg  | Lbs.                | Kg  |
| 6   | LEM0125*S6E^A | 1           | 1/2           | 7/8        | 1/4          | 3/4       | 143                | 65  | 253                 | 115 |
| 6   | LEM0135*S6E^A | 1           | 1/2           | 7/8        | 1/4          | 3/4       | 153                | 69  | 262                 | 119 |
| 6   | LEM0250*S6E^A | 2           | 7/8           | 1-3/8      | 1/4          | 3/4       | 168                | 76  | 319                 | 145 |
| 6   | LEM0300*S6E^A | 2           | 1-1/8         | 1-3/8      | 1/4          | 3/4       | 186                | 84  | 337                 | 153 |
| 6   | LEM0370*S6E^A | 3           | 1-1/8         | 1-5/8      | 1/4          | 3/4       | 255                | 116 | 434                 | 197 |
| 6   | LEM0475*S6E^A | 3           | 1-3/8         | 1-5/8      | 1/4          | 3/4       | 288                | 131 | 466                 | 212 |
| 6   | LEM0595*S6E^A | 4           | 1-1/8         | 1-5/8      | 1/4          | 3/4       | 324                | 147 | 551                 | 250 |
| 6   | LEM0735*S6E^A | 4           | 1-3/8         | 1-5/8      | 1/4          | 3/4       | 365                | 165 | 591                 | 268 |
| 6   | LEM0850*S6E^A | 5           | 1-3/8         | 1-5/8      | 1/4          | 3/4       | 411                | 186 | 665                 | 302 |
| 4   | LEM0125*S4E^A | 1           | 1/2           | 7/8        | 1/4          | 3/4       | 152                | 69  | 261                 | 119 |
| 4   | LEM0225*S4E^A | 2           | 7/8           | 1-3/8      | 1/4          | 3/4       | 165                | 75  | 316                 | 143 |
| 4   | LEM0250*S4E^A | 2           | 1-1/8         | 1-3/8      | 1/4          | 3/4       | 183                | 83  | 334                 | 152 |
| 4   | LEM0325*S4E^A | 3           | 1-1/8         | 1-5/8      | 1/4          | 3/4       | 252                | 114 | 430                 | 195 |
| 4   | LEM0420*S4E^A | 3           | 1-3/8         | 1-5/8      | 1/4          | 3/4       | 284                | 129 | 463                 | 210 |
| 4   | LEM0490*S4E^A | 4           | 1-1/8         | 1-5/8      | 1/4          | 3/4       | 318                | 144 | 545                 | 247 |
| 4   | LEM0620*S4E^A | 4           | 1-3/8         | 1-5/8      | 1/4          | 3/4       | 358                | 163 | 585                 | 265 |
| 4   | LEM0720*S4E^A | 5           | 1-3/8         | 1-5/8      | 1/4          | 3/4       | 403                | 183 | 658                 | 298 |

Electric Defrost (CO<sub>2</sub>DX)

| FPI | Model         | No. of Fans | Coil Inlet OD | Suction OD | Equalizer OD | Drain MPT | Approx. Net Weight |     | Approx. Ship Weight |     |
|-----|---------------|-------------|---------------|------------|--------------|-----------|--------------------|-----|---------------------|-----|
|     |               |             |               |            |              |           | Lbs.               | Kg  | Lbs.                | Kg  |
| 6   | LEM0125*C6E^A | 1           | 3/8           | 3/8        | N/A          | 3/4       | 143                | 65  | 253                 | 115 |
| 6   | LEM0135*C6E^A | 1           | 3/8           | 3/8        | N/A          | 3/4       | 153                | 69  | 262                 | 119 |
| 6   | LEM0250*C6E^A | 2           | 3/8           | 1/2        | N/A          | 3/4       | 168                | 76  | 319                 | 145 |
| 6   | LEM0300*C6E^A | 2           | 3/8           | 1/2        | N/A          | 3/4       | 186                | 84  | 337                 | 153 |
| 6   | LEM0370*C6E^A | 3           | 3/8           | 1/2        | N/A          | 3/4       | 255                | 116 | 434                 | 197 |
| 6   | LEM0475*C6E^A | 3           | 1/2           | 1/2        | N/A          | 3/4       | 288                | 131 | 466                 | 212 |
| 6   | LEM0595*C6E^A | 4           | 1/2           | 5/8        | N/A          | 3/4       | 324                | 147 | 551                 | 250 |
| 6   | LEM0735*C6E^A | 4           | 1/2           | 5/8        | N/A          | 3/4       | 365                | 165 | 591                 | 268 |
| 6   | LEM0850*C6E^A | 5           | 1/2           | 7/8        | N/A          | 3/4       | 411                | 186 | 665                 | 302 |
| 4   | LEM0125*C4E^A | 1           | 3/8           | 3/8        | N/A          | 3/4       | 152                | 69  | 261                 | 119 |
| 4   | LEM0225*C4E^A | 2           | 3/8           | 1/2        | N/A          | 3/4       | 165                | 75  | 316                 | 143 |
| 4   | LEM0250*C4E^A | 2           | 3/8           | 1/2        | N/A          | 3/4       | 183                | 83  | 334                 | 152 |
| 4   | LEM0325*C4E^A | 3           | 3/8           | 1/2        | N/A          | 3/4       | 252                | 114 | 430                 | 195 |
| 4   | LEM0420*C4E^A | 3           | 3/8           | 1/2        | N/A          | 3/4       | 284                | 129 | 463                 | 210 |
| 4   | LEM0490*C4E^A | 4           | 3/8           | 1/2        | N/A          | 3/4       | 318                | 144 | 545                 | 247 |
| 4   | LEM0620*C4E^A | 4           | 1/2           | 5/8        | N/A          | 3/4       | 358                | 163 | 585                 | 265 |
| 4   | LEM0720*C4E^A | 5           | 1/2           | 5/8        | N/A          | 3/4       | 403                | 183 | 658                 | 298 |

## Notes:

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

## A2L PHYSICAL DATA

### Hot Gas Defrost

|     |               |             |               |            |              |           |              |                      | Approx. Net Weight |     |
|-----|---------------|-------------|---------------|------------|--------------|-----------|--------------|----------------------|--------------------|-----|
| FPI | Model         | No. of Fans | Coil Inlet OD | Suction OD | Equalizer OD | Drain MPT | Side Port OD | Hot Gas Pan Conns.OD | Lbs.               | Kg  |
| 4   | LEM0225*Y4H^A | 2           | 7/8           | 1 3/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 210                | 95  |
| 4   | LEM0250*Y4H^A | 2           | 1 1/8         | 1 3/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 228                | 103 |
| 4   | LEM0325*Y4H^A | 3           | 1 1/8         | 1 5/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 252                | 114 |
| 4   | LEM0420*Y4H^A | 3           | 1 3/8         | 1 5/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 284                | 129 |
| 4   | LEM0490*Y4H^A | 4           | 1 1/8         | 1 5/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 318                | 144 |
| 4   | LEM0620*Y4H^A | 4           | 1 3/8         | 1 5/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 358                | 162 |
| 6   | LEM0250*Y6H^A | 2           | 7/8           | 1 3/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 213                | 97  |
| 6   | LEM0300*Y6H^A | 2           | 1 1/8         | 1 3/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 231                | 105 |
| 6   | LEM0370*Y6H^A | 3           | 1 1/8         | 1 5/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 255                | 116 |
| 6   | LEM0475*Y6H^A | 3           | 1 3/8         | 1 5/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 288                | 131 |
| 6   | LEM0595*Y6H^A | 4           | 1 1/8         | 1 5/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 324                | 147 |
| 6   | LEM0735*Y6H^A | 4           | 1 3/8         | 1 5/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 365                | 166 |

# A1 PHYSICAL DATA

## Hot Gas Defrost

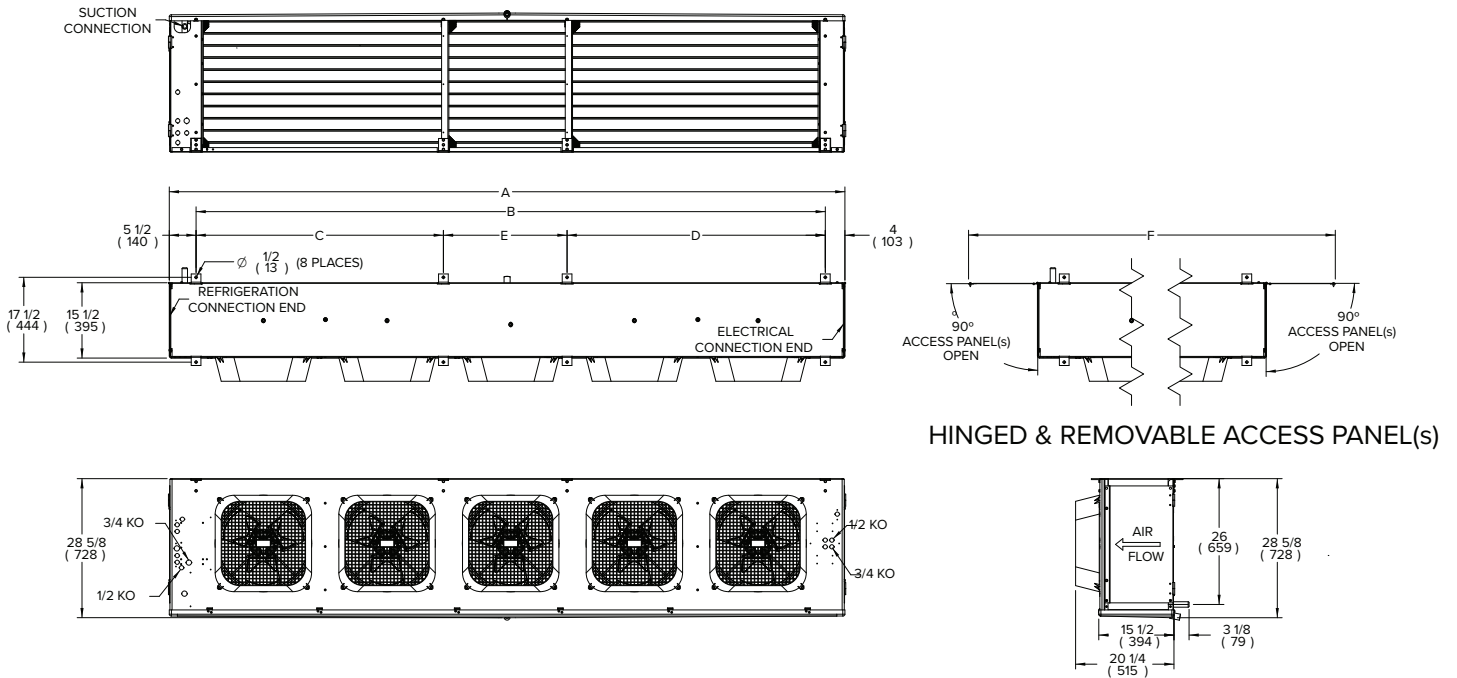
| FPI | Model         | No. of Fans | Coil Inlet OD | Suction OD | Equalizer OD | Drain MPT | Side Port OD | Hot Gas Pan Conns OD | Approx. Net Weight |     | Approx. Ship Weight |     |
|-----|---------------|-------------|---------------|------------|--------------|-----------|--------------|----------------------|--------------------|-----|---------------------|-----|
|     |               |             |               |            |              |           |              |                      | Lbs.               | Kg  | Lbs.                | Kg  |
| 6   | LEM0250*S6H^A | 2           | 7/8           | 1-3/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 213                | 96  | 364                 | 165 |
| 6   | LEM0300*S6H^A | 2           | 1-1/8         | 1-3/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 231                | 105 | 382                 | 173 |
| 6   | LEM0370*S6H^A | 3           | 1-1/8         | 1-5/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 255                | 116 | 434                 | 197 |
| 6   | LEM0475*S6H^A | 3           | 1-3/8         | 1-5/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 288                | 131 | 466                 | 212 |
| 6   | LEM0595*S6H^A | 4           | 1-1/8         | 1-5/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 324                | 147 | 551                 | 250 |
| 6   | LEM0735*S6H^A | 4           | 1-3/8         | 1-5/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 365                | 165 | 591                 | 268 |
| 4   | LEM0225*S4H^A | 2           | 7/8           | 1-3/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 210                | 95  | 361                 | 164 |
| 4   | LEM0250*S4H^A | 2           | 1-1/8         | 1-3/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 228                | 104 | 379                 | 172 |
| 4   | LEM0325*S4H^A | 3           | 1-1/8         | 1-5/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 252                | 114 | 430                 | 195 |
| 4   | LEM0420*S4H^A | 3           | 1-3/8         | 1-5/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 284                | 129 | 463                 | 210 |
| 4   | LEM0490*S4H^A | 4           | 1-1/8         | 1-5/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 318                | 144 | 545                 | 247 |
| 4   | LEM0620*S4H^A | 4           | 1-3/8         | 1-5/8      | 1/4          | 3/4       | 5/8          | 7/8                  | 358                | 163 | 585                 | 265 |

### Notes:

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

# DIMENSIONAL DRAWINGS



| No. of Fans | Unit Dimensions |       |         |       |     |       |        |       |        |     |         |       |
|-------------|-----------------|-------|---------|-------|-----|-------|--------|-------|--------|-----|---------|-------|
|             | A               |       | B       |       | C   |       | D      |       | E      |     | F       |       |
|             | in.             | mm    | in.     | mm    | in. | mm    | in.    | mm    | in.    | mm  | in.     | mm    |
| 1           | 39 7/8          | 1,011 | 30 1/4  | 768   | -   | -     | -      | -     | -      | -   | 68 1/4  | 1,733 |
| 2           | 67 7/8          | 1,722 | 58 1/4  | 1,480 | -   | -     | -      | -     | -      | -   | 96 1/4  | 2,444 |
| 3           | 95 7/8          | 2,434 | 86 1/4  | 2,191 | -   | -     | -      | -     | -      | -   | 124 1/4 | 3,155 |
| 4           | 123 7/8         | 3,145 | 114 1/4 | 2,902 | 56  | 1,422 | 58 1/4 | 1,480 | -      | -   | 152 1/4 | 3,866 |
| 5           | 139 3/8         | 3,539 | 129 3/4 | 3,296 | 51  | 1,295 | 53 1/4 | 1,353 | 25 1/2 | 648 | 167 1/4 | 4,260 |

## DOE Rated AWEF

 **AWEF DATA<sub>T</sub>**

A2L Air Defrost : 2 Speed EC motors

| FPI | Model         | R-454A | R-454C | R-455A |
|-----|---------------|--------|--------|--------|
|     |               | AWEF   | AWEF   | AWEF   |
| 8   | LEM0185*Y8AMA | 9.00   | 9.00   | 9.00   |
| 8   | LEM0225*Y8AMA | 9.00   | 9.00   | 9.00   |
| 8   | LEM0405*Y8AMA | 9.00   | 9.00   | 9.00   |
| 8   | LEM0475*Y8AMA | 9.00   | 9.00   | 9.00   |
| 8   | LEM0575*Y8AMA | 9.00   | 9.00   | 9.00   |
| 8   | LEM0675*Y8AMA | 9.00   | 9.00   | 9.00   |
| 8   | LEM0775*Y8AMA | 9.00   | 9.00   | 9.00   |
| 8   | LEM0975*Y8AMA | 9.00   | 9.00   | 9.00   |
| 8   | LEM1115*Y8AMA | 9.00   | 9.00   | 9.00   |

A1 Air Defrost: 2-Speed EC Motors

| FPI | Model         | Cooler         |                |                |        |
|-----|---------------|----------------|----------------|----------------|--------|
|     |               | R-404A/ R-507A | R-448A/ R-449A | R-407A/ R-407F | R-407C |
|     |               | AWEF           | AWEF           | AWEF           | AWEF   |
| 8   | LEM0185*S8AMB | -              | 9.00           | 9.00           | 9.00   |
| 8   | LEM0225*S8AMB | -              | 9.00           | 9.00           | 9.00   |
| 8   | LEM0405*S8AMB | 9.00           | 9.00           | 9.00           | 9.00   |
| 8   | LEM0475*S8AMB | 9.00           | 9.00           | 9.00           | 9.00   |
| 8   | LEM0575*S8AMB | 9.00           | 9.00           | 9.00           | 9.00   |
| 8   | LEM0675*S8AMB | 9.00           | 9.00           | 9.00           | 9.00   |
| 8   | LEM0775*S8AMB | 9.00           | 9.00           | 9.00           | 9.00   |
| 8   | LEM0975*S8AMB | 9.00           | 9.00           | 9.00           | 9.00   |
| 8   | LEM1115*S8AMB | 9.00           | 9.00           | 9.00           | 9.00   |

**Notes:**

\* = Electrical Code Designator (see Nomenclature details)

† = Based on input conditions selected, may require an AE review

DOE Rated AWEF

AWEF DATA<sub>T</sub>

CO<sub>2</sub> Air Defrost:2-Speed EC Motors

| FPI | Model         | Cooler             |
|-----|---------------|--------------------|
|     |               | CO <sub>2</sub> DX |
|     |               | AWEF               |
| 8   | LEM0185*C8AMA | 9.00‡              |
| 8   | LEM0225*C8AMA | 9.00‡              |
| 8   | LEM0405*C8AMA | 9.00               |
| 8   | LEM0475*C8AMA | 9.00               |
| 8   | LEM0575*C8AMA | 9.00               |
| 8   | LEM0675*C8AMA | 9.00               |
| 8   | LEM0775*C8AMA | 9.00‡              |
| 8   | LEM0975*C8AMA | 9.00               |
| 8   | LEM1115*C8AMA | 9.00               |

Notes:  
\* = Electrical Code Designator (see Nomenclature details)  
‡ = Based on input conditions selected, may require an AE review

## DOE Rated AWEF


**AWEF DATA<sub>T</sub>**

A2L Electric Defrost : 2 Speed EC motors

|     |               | R-454A--LT | R-454C--LT | R-455A--LT | R-454A--MT | R-454C-MT | R-455A--MT |
|-----|---------------|------------|------------|------------|------------|-----------|------------|
| FPI | Model         | AWEF       | AWEF       | AWEF       | AWEF       | AWEF      | AWEF       |
| 4   | LEM0125*Y4EMA | 4.09       | 4.06       | 4.08       | 9.00       | -         | 9.00       |
| 4   | LEM0225*Y4EMA | 4.15       | 4.15       | 4.15       | -          | -         | -          |
| 4   | LEM0250*Y4EMA | 4.15       | 4.15       | 4.15       | 9.00       | 9.00      | 9.00       |
| 4   | LEM0325*Y4EMA | 4.15       | 4.15       | 4.15       | -          | -         | -          |
| 4   | LEM0420*Y4EMA | 4.15       | 4.15       | 4.15       | 9.00       | 9.00      | 9.00       |
| 4   | LEM0490*Y4EMA | 4.15       | 4.15       | 4.15       | -          | -         | 9.00       |
| 4   | LEM0620*Y4EMA | 4.15       | 4.15       | 4.15       | 9.00       | 9.00      | 9.00       |
| 4   | LEM0720*Y4EMA | 4.15       | 4.15       | 4.15       | 9.00       | 9.00      | 9.00       |
| 6   | LEM0125*Y6EMA | 4.07       | 4.05       | 4.07       | -          | -         | -          |
| 6   | LEM0135*Y6EMA | 4.09       | 4.06       | 4.08       | 9.00       | 9.00      | 9.00       |
| 6   | LEM0250*Y6EMA | 4.15       | 4.15       | 4.15       | -          | -         | 9.00       |
| 6   | LEM0300*Y6EMA | 4.15       | 4.15       | 4.15       | 9.00       | 9.00      | 9.00       |
| 6   | LEM0370*Y6EMA | 4.15       | 4.15       | 4.14       | -          | -         | 9.00       |
| 6   | LEM0475*Y6EMA | 4.15       | 4.15       | 4.15       | 9.00       | 9.00      | 9.00       |
| 6   | LEM0595*Y6EMA | 4.15       | 4.15       | 4.15       | 9.00       | -         | 9.00       |
| 6   | LEM0735*Y6EMA | 4.15       | 4.15       | 4.15       | 9.00       | 9.00      | 9.00       |
| 6   | LEM0850*Y6EMA | 4.15       | 4.15       | 4.15       | 9.00       | 9.00      | 9.00       |

**Notes:**

\* = Electrical Code Designator (see Nomenclature details)

‡ = Based on input conditions selected, may require an AE review

## DOE Rated AWEF

## AWEF DATA<sub>T</sub>

### A1 Electric Defrost:2-Speed EC Motors

| FPI | Model         | Cooler         |                |                |        |                    |
|-----|---------------|----------------|----------------|----------------|--------|--------------------|
|     |               | R-404A/ R-507A | R-448A/ R-449A | R-407A/ R-407F | R-407C | CO <sub>2</sub> DX |
|     |               | AWEF           | AWEF           | AWEF           | AWEF   | AWEF               |
| 6   | LEM0125*S6EMA | -              | -              | -              | -      | -                  |
| 6   | LEM0135*S6EMA | -              | -              | 9.00           | 9.00   | -                  |
| 6   | LEM0250*S6EMA | -              | -              | 9.00           | 9.00   | -                  |
| 6   | LEM0300*S6EMA | -              | 9.00           | 9.00           | 9.00   | 9.00 <sup>‡</sup>  |
| 6   | LEM0370*S6EMA | -              | -              | -              | 9.00   | -                  |
| 6   | LEM0475*S6EMA | 9.00           | 9.00           | 9.00           | 9.00   | 9.00 <sup>‡</sup>  |
| 6   | LEM0595*S6EMA | -              | 9.00           | 9.00           | 9.00   | -                  |
| 6   | LEM0735*S6EMA | 9.00           | 9.00           | 9.00           | 9.00   | 9.00 <sup>‡</sup>  |
| 6   | LEM0850*S6EMA | 9.00           | 9.00           | 9.00           | 9.00   | 9.00 <sup>‡</sup>  |
| 4   | LEM0125*S4EMA | -              | -              | -              | 9.00   | -                  |
| 4   | LEM0225*S4EMA | -              | -              | -              | -      | -                  |
| 4   | LEM0250*S4EMA | -              | -              | 9.00           | 9.00   | -                  |
| 4   | LEM0325*S4EMA | -              | -              | -              | -      | -                  |
| 4   | LEM0420*S4EMA | -              | 9.00           | 9.00           | 9.00   | -                  |
| 4   | LEM0490*S4EMA | -              | -              | -              | -      | -                  |
| 4   | LEM0620*S4EMA | -              | 9.00           | 9.00           | 9.00   | -                  |
| 4   | LEM0720*S4EMA | -              | 9.00           | 9.00           | 9.00   | -                  |

#### Notes:

\* = Electrical Code Designator (see Nomenclature details)

‡ = Based on input conditions selected, may require an AE review

## DOE Rated AWEF



## A1 Electric Defrost: 2-Speed EC Motors

| FPI | Model         | Freezer        |                |                |        |                    |
|-----|---------------|----------------|----------------|----------------|--------|--------------------|
|     |               | R-404A/ R-507A | R-448A/ R-449A | R-407A/ R-407F | R-407C | CO <sub>2</sub> DX |
|     |               | AWEF           | AWEF           | AWEF           | AWEF   | AWEF               |
| 6   | LEM0125*S6EMA | 4.04           | 4.10           | 4.06           | 4.05   | 4.04               |
| 6   | LEM0135*S6EMA | 4.06           | 4.12           | 4.09           | 4.07   | 4.06               |
| 6   | LEM0250*S6EMA | 4.15           | 4.15           | 4.15           | 4.15   | 4.15               |
| 6   | LEM0300*S6EMA | 4.15           | 4.15           | 4.15           | 4.15   | 4.15               |
| 6   | LEM0370*S6EMA | 4.15           | 4.15           | 4.15           | 4.15   | 4.15               |
| 6   | LEM0475*S6EMA | 4.15           | 4.15           | 4.15           | 4.15   | 4.15               |
| 6   | LEM0595*S6EMA | 4.15           | 4.15           | 4.15           | 4.15   | 4.15               |
| 6   | LEM0735*S6EMA | 4.15           | 4.15           | 4.15           | 4.15   | 4.15               |
| 6   | LEM0850*S6EMA | 4.15           | 4.15           | 4.15           | 4.15   | 4.15               |
| 4   | LEM0125*S4EMA | 4.04           | 4.09           | 4.06           | 4.05   | 4.04               |
| 4   | LEM0225*S4EMA | -              | 4.15           | 4.15           | -      | 4.15 <sup>‡</sup>  |
| 4   | LEM0250*S4EMA | 4.15           | 4.15           | 4.15           | 4.15   | 4.15               |
| 4   | LEM0325*S4EMA | -              | 4.15           | 4.15           | -      | 4.15 <sup>‡</sup>  |
| 4   | LEM0420*S4EMA | 4.15           | 4.15           | 4.15           | 4.15   | 4.15               |
| 4   | LEM0490*S4EMA | -              | 4.15           | 4.15           | 4.15   | 4.15               |
| 4   | LEM0620*S4EMA | 4.15           | 4.15           | 4.15           | 4.15   | 4.15               |
| 4   | LEM0720*S4EMA | 4.15           | 4.15           | 4.15           | 4.15   | 4.15               |

**Notes:**

\* = Electrical Code Designator (see Nomenclature details)

‡ = Based on input conditions selected, may require an AE review

## DOE Rated AWEF

## AWEF DATA<sub>T</sub>

### A2L Hot Gas Defrost : 2 Speed EC motors

|     |               | R-454A--LT | R-454C--LT | R-455A--LT | R-454A--MT | R-454C-MT | R-455A--MT |
|-----|---------------|------------|------------|------------|------------|-----------|------------|
| FPI | Model         | AWEF       | AWEF       | AWEF       | AWEF       | AWEF      | AWEF       |
| 4   | LEM0225*Y4HMA | 4.15       | 4.15       | 4.15       | -          | -         | -          |
| 4   | LEM0250*Y4HMA | 4.15       | 4.15       | 4.15       | 9.00       | -         | 9.00       |
| 4   | LEM0325*Y4HMA | 4.15       | 4.15       | 4.15       | -          | -         | -          |
| 4   | LEM0420*Y4HMA | 4.15       | 4.15       | 4.15       | 9.00       | 9.00      | 9.00       |
| 4   | LEM0490*Y4HMA | 4.15       | 4.15       | 4.15       | -          | -         | -          |
| 4   | LEM0620*Y4HMA | 4.15       | 4.15       | 4.15       | 9.00       | 9.00      | 9.00       |
| 6   | LEM0250*Y6HMA | 4.15       | 4.15       | 4.15       | -          | -         | -          |
| 6   | LEM0300*Y6HMA | 4.15       | 4.15       | 4.15       | 9.00       | 9.00      | 9.00       |
| 6   | LEM0370*Y6HMA | 4.15       | 4.15       | 4.15       | -          | -         | -          |
| 6   | LEM0475*Y6HMA | 4.15       | 4.15       | 4.15       | 9.00       | 9.00      | 9.00       |
| 6   | LEM0595*Y6HMA | 4.15       | 4.15       | 4.15       | -          | -         | 9.00       |
| 6   | LEM0735*Y6HMA | 4.15       | 4.15       | 4.15       | 9.00       | 9.00      | 9.00       |

#### Notes:

\* = Electrical Code Designator (see Nomenclature details)

† = Based on input conditions selected, may require an AE review

## DOE Rated AWEF

 **AWEF DATA**

A1 Hot Gas Defrost: 2-Speed EC Motors

| FPI | Model         | Cooler         |                |                |        |
|-----|---------------|----------------|----------------|----------------|--------|
|     |               | R-404A/ R-507A | R-448A/ R-449A | R-407A/ R-407F | R-407C |
|     |               | AWEF           | AWEF           | AWEF           | AWEF   |
| 6   | LEM0250*S6HMA | -              | -              | 9.00           | 9.00   |
| 6   | LEM0300*S6HMA | -              | 9.00           | 9.00           | 9.00   |
| 6   | LEM0370*S6HMA | -              | -              | -              | 9.00   |
| 6   | LEM0475*S6HMA | 9.00           | 9.00           | 9.00           | 9.00   |
| 6   | LEM0595*S6HMA | -              | 9.00           | 9.00           | 9.00   |
| 6   | LEM0735*S6HMA | 9.00           | 9.00           | 9.00           | 9.00   |
| 4   | LEM0225*S4HMA | -              | -              | -              | -      |
| 4   | LEM0250*S4HMA | -              | -              | 9.00           | 9.00   |
| 4   | LEM0325*S4HMA | -              | -              | -              | -      |
| 4   | LEM0420*S4HMA | -              | 9.00           | 9.00           | 9.00   |
| 4   | LEM0490*S4HMA | -              | -              | -              | -      |
| 4   | LEM0620*S4HMA | -              | 9.00           | 9.00           | 9.00   |

| FPI | Model         | Freezer        |                |                |        |
|-----|---------------|----------------|----------------|----------------|--------|
|     |               | R-404A/ R-507A | R-448A/ R-449A | R-407A/ R-407F | R-407C |
|     |               | AWEF           | AWEF           | AWEF           | AWEF   |
| 6   | LEM0250*S6HMA | 4.15           | 4.15           | 4.15           | 4.15   |
| 6   | LEM0300*S6HMA | 4.15           | 4.15           | 4.15           | 4.15   |
| 6   | LEM0370*S6HMA | 4.15           | 4.15           | 4.15           | 4.15   |
| 6   | LEM0475*S6HMA | 4.15           | 4.15           | 4.15           | 4.15   |
| 6   | LEM0595*S6HMA | 4.15           | 4.15           | 4.15           | 4.15   |
| 6   | LEM0735*S6HMA | 4.15           | 4.15           | 4.15           | 4.15   |
| 4   | LEM0225*S4HMA | 4.15           | 4.15           | 4.15           | 4.15   |
| 4   | LEM0250*S4HMA | 4.15           | 4.15           | 4.15           | 4.15   |
| 4   | LEM0325*S4HMA | 4.15           | 4.15           | 4.15           | 4.15   |
| 4   | LEM0420*S4HMA | 4.15           | 4.15           | 4.15           | 4.15   |
| 4   | LEM0490*S4HMA | 4.15           | 4.15           | 4.15           | 4.15   |
| 4   | LEM0620*S4HMA | 4.15           | 4.15           | 4.15           | 4.15   |

**Notes:**

\* = Electrical Code Designator (see Nomenclature details)

‡ = Based on input conditions selected, may require an AE review

# REPLACEMENT PARTS

## Motor/Fan Blade/Fan Guard

| Part #   | Item Type                     | Voltage  | Motor Speeds | Notes                                |
|----------|-------------------------------|----------|--------------|--------------------------------------|
| 23101802 | Fan Guard Blue Wire           | -        | -            | -                                    |
| 2310022  | Fan Guard Blue Molded         | -        | -            | -                                    |
| 22902401 | Fan Blade                     | -        | -            | -                                    |
| 5064E    | Motor Mount                   | -        | -            | Used with all motors except 25393101 |
| 23101901 | Motor Mount                   | -        | -            | Used with motor p/n 25393101         |
| 5020S    | PSC                           | 115V     | 1            | -                                    |
| 5020T    | PSC                           | 208-230V | 1            | -                                    |
| 4567T    | PSC Totally Enclosed          | 208-230V | 1            | -                                    |
| 25304601 | Low Temp PSC Totally Enclosed | 460V     | 1            | -                                    |
| 25308101 | Low Temp PSC Totally Enclosed | 208-230V | 1            | -                                    |
| 25317501 | EC Totally Enclosed           | 208-230V | 1            | -                                    |
| 25317601 | EC Totally Enclosed           | 115V     | 1            | -                                    |
| 25399301 | Low Temp PSC Totally Enclosed | 575V     | 1            | -                                    |
| 25393101 | EC Totally Enclosed           | 460V     | 2            | -                                    |
| 25312102 | EC Totally Enclosed           | 115V     | 2            | -                                    |
| 25312202 | EC Totally Enclosed           | 208-230V | 2            | -                                    |
| 25302201 | PSC                           | 460V     | 1            | -                                    |
| 25327601 | Variable Speed EC             | 115V     | -            | -                                    |
| 25327501 | Variable Speed EC             | 208-230V | -            | -                                    |
| 5599M    | Run Capacitor (5 MFD)         | -        | -            | -                                    |
| 5779G    | Run Capacitor (7.5 MFD)       | -        | -            | Used with 25304601                   |
| 22511601 | Run Capacitor (7.5 MFD)       | -        | -            | Used with 25399301                   |

## Cabinet Components

| Part #   | No. of Fans | Description | Defrost Type | Cabinet Aluminum |
|----------|-------------|-------------|--------------|------------------|
| 40405911 | 1           | Drain Pan   | Air/Electric | Stucco           |
| 40405912 | 1           | Drain Pan   | Air/Electric | White            |
| 40407102 | 1           | Drain Pan   | Air          | Stainless Steel  |
| 40407013 | 2           | Drain Pan   | Air/Electric | Stucco           |
| 40407014 | 2           | Drain Pan   | Air/Electric | White            |
| 40407202 | 2           | Drain Pan   | Air          | Stainless Steel  |
| 40406713 | 3           | Drain Pan   | Air/Electric | Stucco           |
| 40406714 | 3           | Drain Pan   | Air/Electric | White            |
| 40407302 | 3           | Drain Pan   | Air          | Stainless Steel  |
| 40406813 | 4           | Drain Pan   | Air/Electric | Stucco           |
| 40406814 | 4           | Drain Pan   | Air/Electric | White            |
| 40407402 | 4           | Drain Pan   | Air          | Stainless Steel  |
| 40406911 | 5           | Drain Pan   | Air/Electric | Stucco           |
| 40406912 | 5           | Drain Pan   | Air/Electric | White            |
| 40407502 | 5           | Drain Pan   | Air          | Stainless Steel  |

## REPLACEMENT PARTS

### A2L Refrigerant Detection System

| Part #                                            | Description                                       |
|---------------------------------------------------|---------------------------------------------------|
| <b>A2L Refrigerant Detection System Kit</b>       |                                                   |
| 90065501                                          | ASSY-A2L RDS FIELD INSTALL - MP                   |
| 89030601                                          | ASSY-A2L RDS FIELD INSTALL SENSOR HARNESS KIT     |
| 89030701                                          | ASSY-A2L RDS FIELD INSTALL w/ IRC, MP, SM (1F,2F) |
| 89030702                                          | ASSY-A2L RDS FIELD INSTALL w/ IRC, MP, SM (3F,4F) |
| 89030703                                          | ASSY-A2L RDS FIELD INSTALL w/ IRC, MP, SM (5F)    |
| <b>Control Power Transformer</b>                  |                                                   |
| 22529601                                          | TRANSFORMER, 120V-24V 40 VA                       |
| 22529602                                          | TRANSFORMER, 208/240V-24V 40 VA                   |
| 22529603                                          | TRANSFORMER, 460V-24V 40 VA                       |
| 22529701                                          | TRANSFORMER, 600V-24V 65 VA                       |
| <b>A2L Leak Detection Sensor Replacement Part</b> |                                                   |
| 28915901S                                         | A2L SENSOR REPLACEMENT PART                       |
| <b>A2L Control Board Replacement Part</b>         |                                                   |
| 28928001S                                         | A2L CONTROL BOARD REPLACEMENT PART                |

# REPLACEMENT PARTS

## Refrigerant Detection System Valves<sup>^</sup>

| Model Number            | Liquid Line Size | Suction Size | Solenoid Shut off Valve Kit |           |           | Check Valve Kit |          |          |
|-------------------------|------------------|--------------|-----------------------------|-----------|-----------|-----------------|----------|----------|
|                         |                  |              | R-454A                      | R-454C    | R-455A    | R-454A          | R-454C   | R-455A   |
| Medium Temp Application |                  |              |                             |           |           |                 |          |          |
| LEM0125@Y6E#A           | 3/8              | 7/8          | 90050201                    | 90050201  | 90050202  | 90050303        | 90050303 | 90050303 |
| LEM0135@Y6E#A           | 3/8              | 7/8          | 90050202                    | 90050202  | 90050202  | 90050303        | 90050303 | 90050303 |
| LEM0250@Y6E#A           | 3/8              | 1 3/8        | 90050204*                   | 90050202  | 90050204* | 90050305        | 90050305 | 90050305 |
| LEM0300@Y6E#A           | 3/8              | 1 3/8        | 90050204*                   | 90050204* | 90050204* | 90050305        | 90050305 | 90050305 |
| LEM0370@Y6E#A           | 3/8              | 1 5/8        | 90050204*                   | 90050204* | 90050204* | 90050306        | 90050306 | 90050306 |
| LEM0475@Y6E#A           | 3/8              | 1 5/8        | 90050204*                   | 90050204* | 90050206* | 90050306        | 90050306 | 90050306 |
| LEM0595@Y6E#A           | 1/2              | 1 5/8        | 90050206*                   | 90050204  | 90050206* | 90050306        | 90050306 | 90050306 |
| LEM0735@Y6E#A           | 1/2              | 1 5/8        | 90050206*                   | 90050206* | 90050206* | 90050306        | 90050306 | 90050306 |
| LEM0850@Y6E#A           | 5/8              | 1 5/8        | 90050206                    | 90050206  | 90050206  | 90050306        | 90050306 | 90050306 |
| LEM0125@Y4E#A           | 3/8              | 7/8          | 90050202                    | 90050202  | 90050202  | 90050303        | 90050303 | 90050303 |
| LEM0225@Y4E#A           | 3/8              | 1 3/8        | 90050202                    | 90050202  | 90050202  | 90050305        | 90050305 | 90050305 |
| LEM0250@Y4E#A           | 3/8              | 1 3/8        | 90050202                    | 90050204* | 90050204* | 90050305        | 90050305 | 90050305 |
| LEM0325@Y4E#A           | 3/8              | 1 5/8        | 90050204*                   | 90050204* | 90050204* | 90050306        | 90050306 | 90050306 |
| LEM0420@Y4E#A           | 3/8              | 1 5/8        | 90050204*                   | 90050204* | 90050204* | 90050306        | 90050306 | 90050306 |
| LEM0490@Y4E#A           | 3/8              | 1 5/8        | 90050204*                   | 90050204* | 90050204* | 90050306        | 90050306 | 90050306 |
| LEM0620@Y4E#A           | 1/2              | 1 5/8        | 90050206*                   | 90050204  | 90050206* | 90050306        | 90050306 | 90050306 |
| LEM0720@Y4E#A           | 1/2              | 1 5/8        | 90050206*                   | 90050206* | 90050206* | 90050306        | 90050306 | 90050306 |
| LEM0250@Y6H#A           | 3/8              | 1 3/8        | 90050204*                   | 90050202  | 90050204* | 90050305        | 90050305 | 90050305 |
| LEM0300@Y6H#A           | 3/8              | 1 3/8        | 90050204*                   | 90050204* | 90050204* | 90050305        | 90050305 | 90050305 |
| LEM0370@Y6H#A           | 3/8              | 1 5/8        | 90050204*                   | 90050204* | 90050204* | 90050306        | 90050306 | 90050306 |
| LEM0475@Y6H#A           | 3/8              | 1 5/8        | 90050204*                   | 90050204* | 90050204* | 90050306        | 90050306 | 90050306 |
| LEM0595@Y6H#A           | 1/2              | 1 5/8        | 90050204                    | 90050206* | 90050206* | 90050306        | 90050306 | 90050306 |
| LEM0735@Y6H#A           | 1/2              | 1 5/8        | 90050206*                   | 90050206* | 90050206* | 90050306        | 90050306 | 90050306 |
| LEM0225@Y4H#A           | 3/8              | 1 3/8        | 90050202                    | 90050202  | 90050202  | 90050305        | 90050305 | 90050305 |
| LEM0250@Y4H#A           | 3/8              | 1 3/8        | 90050204*                   | 90050204* | 90050204* | 90050305        | 90050305 | 90050305 |
| LEM0325@Y4H#A           | 3/8              | 1 5/8        | 90050204*                   | 90050204* | 90050204* | 90050306        | 90050306 | 90050306 |
| LEM0420@Y4H#A           | 3/8              | 1 5/8        | 90050204*                   | 90050204* | 90050204* | 90050306        | 90050306 | 90050306 |
| LEM0490@Y4H#A           | 3/8              | 1 5/8        | 90050204*                   | 90050204* | 90050204* | 90050306        | 90050306 | 90050306 |
| LEM0620@Y4H#A           | 1/2              | 1 5/8        | 90050204                    | 90050204  | 90050206* | 90050306        | 90050306 | 90050306 |
| LEM0185@Y8A#A           | 3/8              | 7/8          | 90050202                    | 90050202  | 90050202  | 90050303        | 90050303 | 90050303 |
| LEM0225@Y8A#A           | 3/8              | 1 1/8        | 90050202                    | 90050202  | 90050202  | 90050304        | 90050304 | 90050304 |
| LEM0405@Y8A#A           | 3/8              | 1 3/8        | 90050204*                   | 90050204* | 90050204* | 90050305        | 90050305 | 90050305 |
| LEM0475@Y8A#A           | 3/8              | 1 3/8        | 90050204*                   | 90050204* | 90050204* | 90050305        | 90050305 | 90050305 |
| LEM0575@Y8A#A           | 1/2              | 1 3/8        | 90050204                    | 90050204  | 90050206* | 90050305        | 90050305 | 90050305 |
| LEM0675@Y8A#A           | 1/2              | 1 3/8        | 90050204                    | 90050204  | 90050206* | 90050305        | 90050305 | 90050305 |
| LEM0775@Y8A#A           | 5/8              | 1 5/8        | 90050206                    | 90050206  | 90050206  | 90050306        | 90050306 | 90050306 |
| LEM0975@Y8A#A           | 5/8              | 1 5/8        | 90050206                    | 90050206  | 90050206  | 90050306        | 90050306 | 90050306 |
| LEM1115@Y8A#A           | 5/8              | 1 5/8        | 90050206                    | 90050206  | 90050206  | 90050306        | 90050306 | 90050306 |

### Notes:

<sup>^</sup> = Applicable for 1 unit cooler, 1 condensing unit combination only

\* = Reducer may be required

@ = Voltage designator (See nomenclature details)

# = Motor designator (See nomenclature details)

# REPLACEMENT PARTS

## Refrigerant Detection System Valves<sup>^</sup>

| Model Number         | Liquid Line Size | Suction Size | Solenoid Shut off Valve Kit |           |           | Check Valve Kit |          |          |
|----------------------|------------------|--------------|-----------------------------|-----------|-----------|-----------------|----------|----------|
|                      |                  |              | R-454A                      | R-454C    | R-455A    | R-454A          | R-454C   | R-455A   |
| Low Temp Application |                  |              |                             |           |           |                 |          |          |
| LEM0125@Y6E#A        | 3/8              | 7/8          | 90050201                    | 90050201  | 90050201  | 90050303        | 90050303 | 90050303 |
| LEM0135@Y6E#A        | 3/8              | 7/8          | 90050201                    | 90050201  | 90050201  | 90050303        | 90050303 | 90050303 |
| LEM0250@Y6E#A        | 3/8              | 1 3/8        | 90050202                    | 90050202  | 90050202  | 90050305        | 90050305 | 90050305 |
| LEM0300@Y6E#A        | 3/8              | 1 3/8        | 90050204*                   | 90050202  | 90050204* | 90050305        | 90050305 | 90050305 |
| LEM0370@Y6E#A        | 3/8              | 1 5/8        | 90050204*                   | 90050204* | 90050204* | 90050306        | 90050306 | 90050306 |
| LEM0475@Y6E#A        | 3/8              | 1 5/8        | 90050204*                   | 90050204* | 90050204* | 90050306        | 90050306 | 90050306 |
| LEM0595@Y6E#A        | 1/2              | 1 5/8        | 90050204                    | 90050204  | 90050204  | 90050306        | 90050306 | 90050306 |
| LEM0735@Y6E#A        | 1/2              | 1 5/8        | 90050206*                   | 90050204  | 90050206* | 90050306        | 90050306 | 90050306 |
| LEM0850@Y6E#A        | 5/8              | 1 5/8        | 90050206                    | 90050206  | 90050206  | 90050306        | 90050306 | 90050306 |
| LEM0125@Y4E#A        | 3/8              | 7/8          | 90050201                    | 90050201  | 90050201  | 90050303        | 90050303 | 90050303 |
| LEM0225@Y4E#A        | 3/8              | 1 3/8        | 90050202                    | 90050202  | 90050202  | 90050305        | 90050305 | 90050305 |
| LEM0250@Y4E#A        | 3/8              | 1 3/8        | 90050202                    | 90050202  | 90050202  | 90050305        | 90050305 | 90050305 |
| LEM0325@Y4E#A        | 3/8              | 1 5/8        | 90050204*                   | 90050204* | 90050204* | 90050306        | 90050306 | 90050306 |
| LEM0420@Y4E#A        | 3/8              | 1 5/8        | 90050204*                   | 90050204* | 90050204* | 90050306        | 90050306 | 90050306 |
| LEM0490@Y4E#A        | 3/8              | 1 5/8        | 90050204*                   | 90050204* | 90050204* | 90050306        | 90050306 | 90050306 |
| LEM0620@Y4E#A        | 1/2              | 1 5/8        | 90050204                    | 90050204  | 90050204  | 90050306        | 90050306 | 90050306 |
| LEM0720@Y4E#A        | 1/2              | 1 5/8        | 90050204                    | 90050204  | 90050206* | 90050306        | 90050306 | 90050306 |
| LEM0250@Y6H#A        | 3/8              | 1 3/8        | 90050202                    | 90050202  | 90050202  | 90050305        | 90050305 | 90050305 |
| LEM0300@Y6H#A        | 3/8              | 1 3/8        | 90050204*                   | 90050202  | 90050204* | 90050305        | 90050305 | 90050305 |
| LEM0370@Y6H#A        | 3/8              | 1 5/8        | 90050204*                   | 90050204* | 90050204* | 90050306        | 90050306 | 90050306 |
| LEM0475@Y6H#A        | 3/8              | 1 5/8        | 90050204*                   | 90050204* | 90050204* | 90050306        | 90050306 | 90050306 |
| LEM0595@Y6H#A        | 1/2              | 1 5/8        | 90050204                    | 90050204  | 90050204  | 90050306        | 90050306 | 90050306 |
| LEM0735@Y6H#A        | 1/2              | 1 5/8        | 90050206*                   | 90050204  | 90050206* | 90050306        | 90050306 | 90050306 |
| LEM0225@Y4H#A        | 3/8              | 1 3/8        | 90050202                    | 90050202  | 90050202  | 90050305        | 90050305 | 90050305 |
| LEM0250@Y4H#A        | 3/8              | 1 3/8        | 90050202                    | 90050202  | 90050202  | 90050305        | 90050305 | 90050305 |
| LEM0325@Y4H#A        | 3/8              | 1 5/8        | 90050204*                   | 90050204* | 90050204* | 90050306        | 90050306 | 90050306 |
| LEM0420@Y4H#A        | 3/8              | 1 5/8        | 90050204*                   | 90050204* | 90050204* | 90050306        | 90050306 | 90050306 |
| LEM0490@Y4H#A        | 3/8              | 1 5/8        | 90050204*                   | 90050204* | 90050204* | 90050306        | 90050306 | 90050306 |
| LEM0620@Y4H#A        | 1/2              | 1 5/8        | 90050204                    | 90050204  | 90050204  | 90050306        | 90050306 | 90050306 |

### Notes:

<sup>^</sup> = Applicable for 1 unit cooler, 1 condensing unit combination only

\* = Reducer may be required

@ = Voltage designator (See nomenclature details)

# = Motor designator (See nomenclature details)

# REPLACEMENT PARTS

## Motor/Fan Blade/Fan Guard

| # | Part #   | Description             |
|---|----------|-------------------------|
| 1 | 23106501 | GUARD-FAN, 18in WIRE MP |
| 2 | 2310022  | FAN GUARD-BLUE MOLDED   |
| 3 | 23101802 | FAN GUARD-BLUE WIRE     |

## Cabinet Components

| # | Part #   | Description                   | Cabinet Material    |
|---|----------|-------------------------------|---------------------|
| 1 | 40956801 | A2L STUB PROT ALUM-STUCCO     | (STUCCO)            |
| 2 | 40956802 | A2L STUB PROT ALUM-WHITE      | (WHITE)             |
| 3 | 40956803 | A2L STUB PROT STAINLESS STEEL | (304_SST)           |
| 4 | 40956901 | A2L STUB PROT ALUM-STUCCO     | (STUCCO)            |
| 5 | 40956902 | A2L STUB PROT ALUM-WHITE      | (WHITE)             |
| 6 | 40956903 | A2L STUB PROT STAINLESS STEEL | (304_SST)           |
| 7 | 23106501 | GUARD-FAN, 18in WIRE MP       | GUARD-FAN, 18in MP  |
| 8 | 2310022  | FAN GUARD-BLUE MOLDED         | FAN GUARD-MOLDED    |
| 9 | 23101802 | FAN GUARD-BLUE WIRE           | FAN GUARD-BLUE WIRE |

## Evaporator Coil Grille/Grille Brackets

| #  | Part #   | Description                            | No. of Fans | Qty. |
|----|----------|----------------------------------------|-------------|------|
| 1  | 24109401 | GRILLE-COIL GUARD, A2L MP              | 1           | 2    |
| 2  | 24109401 | GRILLE-COIL GUARD, A2L MP              | 2           | 4    |
| 3  | 24109401 | GRILLE-COIL GUARD, A2L MP              | 3           | 6    |
| 4  | 24109401 | GRILLE-COIL GUARD, A2L MP              | 4           | 8    |
| 5  | 24109401 | GRILLE-COIL GUARD, A2L MP              | 5           | 9    |
| 6  | 40957001 | A2L,1 FAN, GRILLE BRACKET              | 1           | 1    |
| 7  | 40957002 | A2L,2 FAN, GRILLE BRACKET              | 2           | 1    |
| 8  | 40957003 | A2L,3 FAN, GRILLE BRACKET              | 3           | 1    |
| 9  | 40957004 | A2L,4 FAN, GRILLE BRACKET Part 1       | 4           | 1    |
| 10 | 40957005 | A2L,4 FAN, GRILLE BRACKET Part 2       | 4           | 1    |
| 11 | 40950801 | A2L,4 FAN,5 FAN, GRILLE BRACKET spacer | 4,5         | 1,2  |
| 12 | 40957101 | A2L,5 FAN, GRILLE BRACKET Part 1       | 5           | 1    |
| 13 | 40957102 | A2L,5 FAN, GRILLE BRACKET Part 2       | 5           | 1    |
| 14 | 40957103 | A2L,5 FAN, GRILLE BRACKET Part 3       | 5           | 1    |

## REPLACEMENT PARTS

### Drain Pan Heaters

| Part #   | No. of Fans | Voltage | Wattage | Defrost Type |
|----------|-------------|---------|---------|--------------|
| 24710301 | 1           | 230V    | 530W    | Electric/ HG |
| 24710401 | 1           | 460V    | 530W    | Electric/ HG |
| 24711101 | 1           | 575V    | 530W    | Electric/ HG |
| 24710502 | 2           | 115V    | 950W    | HG           |
| 24710302 | 2           | 230V    | 950W    | Electric/ HG |
| 24710402 | 2           | 460V    | 950W    | Electric/ HG |
| 24711102 | 2           | 575V    | 950W    | Electric/ HG |
| 24710503 | 3           | 115V    | 1350W   | HG           |
| 24710303 | 3           | 230V    | 1350W   | Electric     |
| 24710403 | 3           | 460V    | 1350W   | Electric     |
| 24711103 | 3           | 575V    | 1350W   | Electric     |
| 24710504 | 4           | 115V    | 1800W   | HG           |
| 24710304 | 4           | 230V    | 1800W   | Electric     |
| 24710404 | 4           | 460V    | 1800W   | Electric     |
| 24711104 | 4           | 575V    | 1800W   | Electric     |
| 24710305 | 5           | 230V    | 2000W   | Electric     |
| 24710405 | 5           | 460V    | 2000W   | Electric     |
| 24711105 | 5           | 575V    | 2000W   | Electric     |

### Coil Defrost Heaters

| Part #   | No. of Fans | Voltage  | Wattage | Defrost Type |
|----------|-------------|----------|---------|--------------|
| 24710201 | 1           | 230-460V | 550     | Electric     |
| 24710202 | 2           | 230-460V | 1100    | Electric     |
| 24710203 | 3           | 230-460V | 1600    | Electric     |
| 24710204 | 4           | 230-460V | 2100    | Electric     |
| 24710205 | 5           | 230-460V | 2400    | Electric     |
| 24711101 | 1           | 575V     | 550     | Electric     |
| 24711102 | 2           | 575V     | 1100    | Electric     |
| 24711103 | 3           | 575V     | 1600    | Electric     |
| 24711104 | 4           | 575V     | 2100    | Electric     |
| 24711105 | 5           | 575V     | 2400    | Electric     |
| 23308001 | 1-3         | -        | -       | Heater Clip  |
| 23308101 | 4-5         | -        | -       | Heater Clip  |

# REPLACEMENT PARTS

## Electrical Components

| Part #  | Description                                              |
|---------|----------------------------------------------------------|
| 2891040 | Room Thermostat                                          |
| 5709L   | Defrost Term. / Fan Delay Thermostat Sealed Bimetal Type |
| 2890109 | Defrost Term. / Fan Delay Thermostat                     |
| 5708L   | Adjustable Type                                          |

## Drain Fitting

| Part #   | Description         |
|----------|---------------------|
| 26930801 | FITTING 3/4-14 NPSM |

# STANDARD NOZZLE SELECTION

## Air Defrost

| Medium Temperature (25°F SST) |               |             |                        |        |                 |                   |                   |                   |         |        |         |        |
|-------------------------------|---------------|-------------|------------------------|--------|-----------------|-------------------|-------------------|-------------------|---------|--------|---------|--------|
| FPI                           | Model         | No. of Fans | Distributor Tube (in.) |        | No. of Circuits | Nozzle Selections |                   |                   |         |        |         |        |
|                               |               |             | OD                     | Length |                 | R-404A/<br>R-507A | R-448A/<br>R-449A | R-407A/<br>R-407F | R-407C  | R-454A | R-454C  | R-455A |
| 8                             | LEM0185*S8A^B | 1           | 3/16                   | 21-1/2 | 4               | L-3/4             | L-1/2             | L-1               | L-1     | L-1    | L-1     | L-1/2  |
| 8                             | LEM0225*S8A^B | 1           | 3/16                   | 21-1/2 | 6               | L-1               | L-2               | L-1/2             | L-1/2   | L-1    | L-1     | L-1/2  |
| 8                             | LEM0405*S8A^B | 2           | 3/16                   | 21-1/2 | 11              | G-1/2             | G-3               | G-2-1/2           | G-2-1/2 | G-2    | G-2-1/2 | G-3    |
| 8                             | LEM0475*S8A^B | 2           | 3/16                   | 21-1/2 | 11              | G-2               | G-4               | G-2-1/2           | G-2-1/2 | G-2    | G-2-1/2 | G-3    |
| 8                             | LEM0575*S8A^B | 3           | 3/16                   | 21-1/2 | 14              | E-2-1/2           | E-4               | E-3               | E-3     | E-3    | E-4     | E-4    |
| 8                             | LEM0675*S8A^B | 3           | 3/16                   | 21-1/2 | 14              | E-3               | E-5               | E-4               | E-4     | E-3    | E-4     | E-4    |
| 8                             | LEM0775*S8A^B | 4           | 3/16                   | 21-1/2 | 22              | C-3               | C-6               | C-4               | C-4     | C-5    | C-5     | C-6    |
| 8                             | LEM0975*S8A^B | 4           | 3/16                   | 21-1/2 | 22              | C-4               | C-8               | C-5               | C-5     | C-5    | C-5     | C-6    |
| 8                             | LEM1115*S8A^B | 5           | 3/16                   | 21-1/2 | 22              | C-5               | C-10              | C-6               | C-6     | C-5    | C-6     | C-6    |

## Electric Defrost

| Low Temperature (-20°F SST) |               |             |                        |        |                 |                   |                   |                   |         |         |         |         |
|-----------------------------|---------------|-------------|------------------------|--------|-----------------|-------------------|-------------------|-------------------|---------|---------|---------|---------|
| FPI                         | Model         | No. of Fans | Distributor Tube (in.) |        | No. of Circuits | Nozzle Selections |                   |                   |         |         |         |         |
|                             |               |             | OD                     | Length |                 | R-404A/<br>R-507A | R-448A/<br>R-449A | R-407A/<br>R-407F | R-407C  | R-454A  | R-454C  | R-455A  |
| 6                           | LEM0125*S6E^A | 1           | 3/16                   | 21-1/2 | 8               | L-1/2             | L-2               | L-1/2             | L-1/2   | L-1/2   | L-1/2   | L-1/2   |
| 6                           | LEM0135*S6E^A | 1           | 3/16                   | 21-1/2 | 6               | L-1/2             | L-2               | L-1/2             | L-1/2   | L-1/2   | L-1/2   | L-1/2   |
| 6                           | LEM0250*S6E^A | 2           | 3/16                   | 21-1/2 | 11              | G-2-1/2           | G-4               | G-2-1/2           | G-2-1/2 | G-2-1/2 | G-2-1/2 | G-2-1/2 |
| 6                           | LEM0300*S6E^A | 2           | 3/16                   | 21-1/2 | 14              | E-3               | E-4               | E-4               | E-4     | E-2-1/2 | E-3     | E-3     |
| 6                           | LEM0370*S6E^A | 3           | 3/16                   | 21-1/2 | 16              | E-4               | E-5               | E-4               | E-4     | E-4     | E-4     | E-4     |
| 6                           | LEM0475*S6E^A | 3           | 3/16                   | 21-1/2 | 22              | C-5               | C-8               | C-5               | C-5     | C-4     | C-5     | C-5     |
| 6                           | LEM0595*S6E^A | 4           | 3/16                   | 21-1/2 | 16              | E-5               | E-8               | E-5               | E-5     | E-5     | E-5     | E-5     |
| 6                           | LEM0735*S6E^A | 4           | 3/16                   | 21-1/2 | 22              | C-8               | C-12              | C-8               | C-8     | C-6     | C-6     | C-8     |
| 6                           | LEM0850*S6E^A | 5           | 3/16                   | 21-1/2 | 22              | C-8               | C-12              | C-8               | C-8     | C-8     | C-8     | C-10    |
| 4                           | LEM0125*S4E^A | 1           | 3/16                   | 21-1/2 | 6               | L-1/2             | L-2               | L-1/2             | L-1/2   | L-1/2   | L-1/2   | L-1/2   |
| 4                           | LEM0225*S4E^A | 2           | 3/16                   | 21-1/2 | 11              | G-2-1/2           | G-3               | G-2-1/2           | G-2-1/2 | G-2     | G-2     | G-2-1/2 |
| 4                           | LEM0250*S4E^A | 2           | 3/16                   | 21-1/2 | 14              | E-3               | E-4               | E-3               | E-3     | E-2-1/2 | E-2-1/2 | E-3     |
| 4                           | LEM0325*S4E^A | 3           | 3/16                   | 21-1/2 | 16              | E-4               | E-5               | E-3               | E-3     | E-3     | E-3     | E-4     |
| 4                           | LEM0420*S4E^A | 3           | 3/16                   | 21-1/2 | 22              | C-4               | C-6               | C-4               | C-4     | C-4     | C-4     | C-5     |
| 4                           | LEM0490*S4E^A | 4           | 3/16                   | 21-1/2 | 16              | E-5               | E-8               | E-5               | E-5     | E-4     | E-4     | E-5     |
| 4                           | LEM0620*S4E^A | 4           | 3/16                   | 21-1/2 | 22              | C-6               | C-10              | C-6               | C-6     | C-5     | C-6     | C-6     |
| 4                           | LEM0720*S4E^A | 5           | 3/16                   | 21-1/2 | 22              | C-8               | C-12              | C-8               | C-8     | C-6     | C-6     | C-8     |

### Notes:

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

# = Refrigerant Designator (see Nomenclature details)

# STANDARD NOZZLE SELECTION

## Hot Gas Defrost

| Low Temperature (-20°F SST) |               |             |                        |        |                 |                   |                   |                   |         |         |         |         |
|-----------------------------|---------------|-------------|------------------------|--------|-----------------|-------------------|-------------------|-------------------|---------|---------|---------|---------|
| FPI                         | Model         | No. of Fans | Distributor Tube (in.) |        | No. of Circuits | Nozzle Selections |                   |                   |         |         |         |         |
|                             |               |             | OD                     | Length |                 | R-404A/<br>R-507A | R-448A/<br>R-449A | R-407A/<br>R-407F | R-407C  | R-454A  | R-454C  | R-455A  |
| 6                           | LEM0250*S6H^A | 2           | 3/16                   | 21-1/2 | 11              | G-2-1/2           | G-4               | G-2-1/2           | G-2-1/2 | G-2-1/2 | G-2-1/2 | G-3     |
| 6                           | LEM0300*S6H^A | 2           | 3/16                   | 21-1/2 | 14              | E-3               | E-4               | E-4               | E-4     | E-3     | E-3     | E-4     |
| 6                           | LEM0370*S6H^A | 3           | 3/16                   | 21-1/2 | 16              | E-4               | E-5               | E-4               | E-4     | E-4     | E-4     | E-4     |
| 6                           | LEM0475*S6H^A | 3           | 3/16                   | 21-1/2 | 22              | C-5               | C-8               | C-5               | C-5     | C-5     | C-5     | C-6     |
| 6                           | LEM0595*S6H^A | 4           | 3/16                   | 21-1/2 | 16              | E-5               | E-8               | E-5               | E-5     | E-5     | E-5     | E-6     |
| 6                           | LEM0735*S6H^A | 4           | 3/16                   | 21-1/2 | 22              | C-8               | C-12              | C-8               | C-8     | C-8     | C-8     | C-8     |
| 4                           | LEM0225*S4H^A | 2           | 3/16                   | 21-1/2 | 11              | G-2-1/2           | G-3               | G-2-1/2           | G-2-1/2 | G-2-1/2 | G-2-1/2 | G-2-1/2 |
| 4                           | LEM0250*S4H^A | 2           | 3/16                   | 21-1/2 | 14              | E-3               | E-4               | E-3               | E-3     | E-2-1/2 | E-3     | E-3     |
| 4                           | LEM0325*S4H^A | 3           | 3/16                   | 21-1/2 | 16              | E-4               | E-5               | E-3               | E-3     | E-4     | E-4     | E-4     |
| 4                           | LEM0420*S4H^A | 3           | 3/16                   | 21-1/2 | 22              | C-4               | C-6               | C-4               | C-4     | C-4     | C-5     | C-5     |
| 4                           | LEM0490*S4H^A | 4           | 3/16                   | 21-1/2 | 16              | E-5               | E-8               | E-5               | E-5     | E-5     | E-5     | E-5     |
| 4                           | LEM0620*S4H^A | 4           | 3/16                   | 21-1/2 | 22              | C-6               | C-10              | C-6               | C-6     | C-6     | C-6     | C-8     |

### Notes:

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

# = Refrigerant Designator (see Nomenclature details)

## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

## This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



2175 West Park Place Blvd.

Stone Mountain, GA 30087

Phone: 800.537.7775 · Fax: 770.465.5900

**heatcraftspd.com**

Since product improvement is a continuing effort, we reserve the right to make changes in specifications without notice.

**LK-MP-0725 | Version 012**

©2025 Heatcraft Refrigeration Products LLC