CHANDLER REFRIGERATION

CH-LOP | **MARCH 2025**
Replaces January 2024

LOW PROFILE UNIT COOLERS

Technical Guide

Including A2L models meeting DOE minimum AWEF

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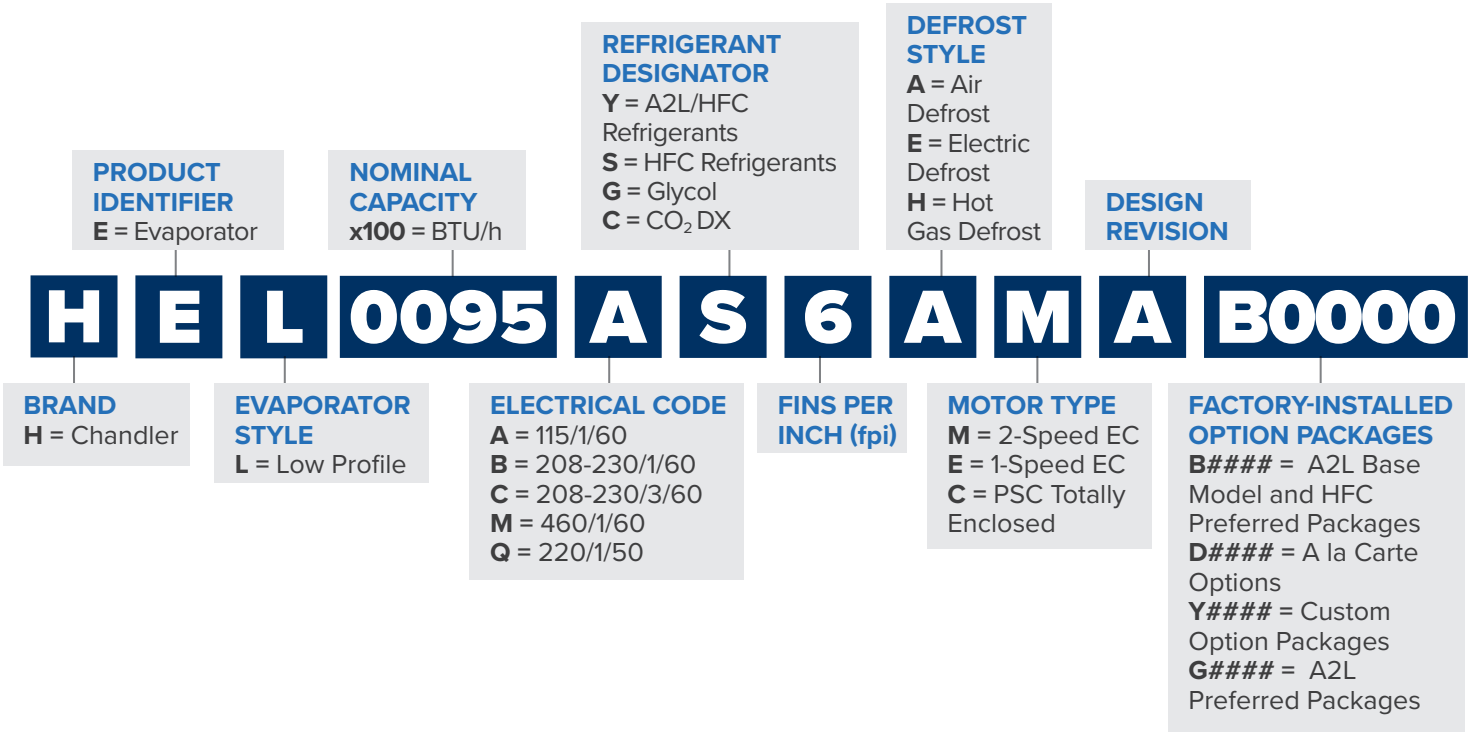
NOMENCLATURE



PREFERRED OPTION PACKAGES
(HFC Refrigerants)

Package	Description (standard base model features + indicated options HELow)
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_2 DX)

Package	Description (standard base model features + indicated options HELow)
B0500 Standard Base	**Danfoss EEV (120V) with 1/4"MPT Transducer Connection (Pressure Transducer not included)**
B0501	Danfoss EEV (120V) with 1/4"MPT Transducer Connection (Pressure Transducer not included) + Filter Drier
B0502	Sporlan EEV (120V) with 1/4"MPT Transducer Connection (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

- Cabinet design features hinged, removable front access panels on each side for easy access to electrical and refrigeration components.
- Molded fan guard and access panels are made of strong, durable, NSF and UL Sanitation rated lightweight and damage-resistant molded plastic material.
- Quick-removal fan guard/motor assembly for easier servicing of air mover parts.
- Sweat connections to reduce potential for leaks.
- Liquid line solenoid wire harness is factory-installed for quick installation.

COIL

- Internally enhanced tubing and fin design for higher efficiency.
- Coil heater slots have been enlarged for easier installation and replacement.
- Hot gas loop on bottom of coil for easier access is standard on hot gas defrost models.
- Fixed defrost termination for electric, adjustable defrost termination for hot gas.

CONTROLS OPTIONS

- **intelliGen™ Refrigeration Controller (iRC)**
  - Factory mounted, tested and calibrated with an electronic expansion valve, pressure transducer, temperature sensors, control board and User Interface. 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 smart phone, tablet or PC.
  - Optional Field installable intelliGen™ Integration Card (iIC) enables connectivity to BACnet and Modbus.

MOTORS

- Motors plug into wiring harness for easier servicing.
- 2-Speed EC motors standard on Air Defrost models.
- 1-Speed EC motors standard on Electric Defrost & Hot Gas Defrost models.

DRAIN PAN

- Large diameter drain hole (3/4” ID) is located towards the back of the unit.
- Extended drain pan heaters for more uniform defrost throughout the drain pan and additional heat in end compartments.
- Hinged, removable drain pans allow for easy and safe access (3-6 fan units only).

OTHER OPTIONS

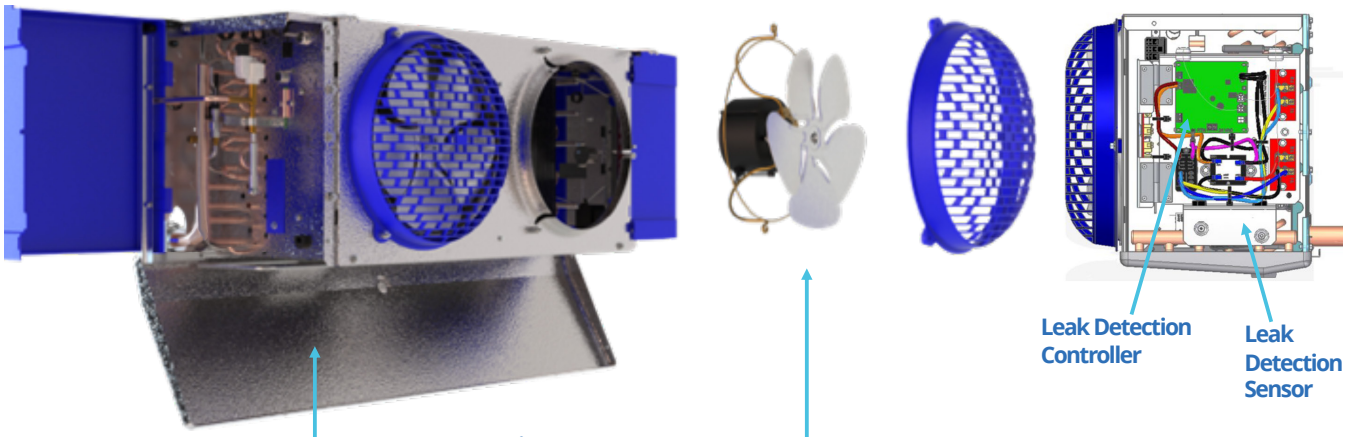
- Units available with factory installed mounted components: Expansion Valve, Mechanical Room Thermostat, Solenoid Valve with Dual Voltage Coil.
- Units available with mounted TXV and mounted TXV with solenoid valve.
  - Pre-assembled units come with mounted TXV, liquid line solenoid valve and room thermostat.
  - Available in a master liquid line configuration.
  - Pre-charged units come with mounted TXV, liquid line solenoid valve, room thermostat and quick connect fittings.
- Units available with stainless steel housing and drain pan.
- All units come standard with aluminum fin, copper tube coils. Units available with various coil material / coating options including polyester fin coating, black electrostatic fin coating, copper fins and Bronz-Glow coil coating. Please review our price book for availability.
- Units available with insulated drain pan.

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



Hinged Drain Pan improves access to service and clean the drain pan and coil

Easy Service Motor Mount quickly and easily allow motor to be removed for service or replacement.

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

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

	R454A			R454C					
	Application Capacity[1]			Application Capacity[1]			Fan Data		
	10°F TD/25°F SST	6°C TD/-4°C SST	Room Area Minimum	10°F TD/25°F SST	6°C TD/-4°C SST	Room Area Minimum			
New Model	BTUH	Watts	Sq. Ft.	BTUH	Watts	Sq. Ft.	No. of Fans	CFM	m^3H
HEL0045*Y6A^A	4,600	1,348	52	3,800	1,114	50	1	653	1,109
HEL0055*Y6A^A	6,200	1,817	56	5,100	1,495	54	1	610	1,036
HEL0060*Y6A^A	7,900	2,315	56	6,500	1,905	54	1	610	1,036
HEL0095*Y6A^A	10,100	2,960	59	8,300	2,433	57	2	1,305	2,217
HEL0105*Y6A^A	12,600	3,693	62	10,400	3,048	59	2	1,305	2,217
HEL0115*Y6A^A	14,600	4,279	69	12,000	3,517	66	2	1,220	2,073
HEL0125*Y6A^A	15,700	4,601	69	12,900	3,781	66	2	1,220	2,073
HEL0155*Y6A^A	17,000	4,982	76	13,900	4,074	73	3	1,958	3,327
HEL0190*Y6A^A	21,400	6,272	89	17,600	5,158	85	3	1,830	3,109
HEL0250*Y6A^A	24,800	7,268	101	20,400	5,979	97	4	2,440	4,146
HEL0295*Y6A^A	31,000	9,086	113	25,500	7,474	108	5	3,050	5,182
HEL0350*Y6A^A	37,200	10,903	118	30,500	8,939	113	6	3,660	6,218
HEL0380*Y6A^A	44,800	13,130	127	36,900	10,815	122	6	3,660	6,218

	R455A					
	Application Capacity[1]			Fan Data		
	10°F TD/25°F SST	6°C TD/-4°C SST	Room Area Minimum			
New Model	BTUH	Watts	Sq. Ft.	No. of Fans	CFM	m^3H
HEL0045*Y6A^A	5,000	1,465	34	1	653	1,109
HEL0055*Y6A^A	6,600	1,934	36	1	610	1,036
HEL0060*Y6A^A	8,400	2,462	36	1	610	1,036
HEL0095*Y6A^A	10,800	3,165	39	2	1,305	2,217
HEL0105*Y6A^A	13,500	3,957	40	2	1,305	2,217
HEL0115*Y6A^A	15,700	4,601	45	2	1,220	2,073
HEL0125*Y6A^A	16,700	4,894	45	2	1,220	2,073
HEL0155*Y6A^A	18,100	5,305	49	3	1,958	3,327
HEL0190*Y6A^A	22,900	6,712	58	3	1,830	3,109
HEL0250*Y6A^A	26,600	7,796	65	4	2,440	4,146
HEL0295*Y6A^A	33,200	9,730	73	5	3,050	5,182
HEL0350*Y6A^A	39,700	11,635	76	6	3,660	6,218
HEL0380*Y6A^A	48,000	14,068	82	6	3,660	6,218

Notes:

[1] = 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

* = 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

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

		R-404A/R-507A		R-448A/R-449A				
		Application Capacity[1]		Application Capacity[1]		Fan Data		
	Legacy Model	10°F TD/25°F SST	6°C TD/-4°C SST	10°F TD/25°F SST	6°C TD/-4°C SST			
New Model		BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H
HEL0045*±6A^A	RLC040	4,000	1,200	4,600	1,300	1	653	1,109
HEL0055*±6A^A	RLC052	5,200	1,500	6,100	1,800	1	610	1,036
HEL0060*±6A^A	RLC065 RLC070	6,500	1,900	7,800	2,300	1	610	1,036
HEL0095*±6A^A	RLC070 RLC090	8,000	2,300	10,000	2,900	2	1,305	2,217
HEL0105*±6A^A	RLC090 RLC104	9,200	2,650	12,500	3,600	2	1,305	2,217
HEL0115*±6A^A	RLC120	11,700	3,370	14,500	4,180	2	1,220	2,073
HEL0125*±6A^A	RLC130	13,000	3,800	15,500	4,500	2	1,220	2,073
HEL0155*±6A^A	RLC140	14,000	4,100	16,800	4,900	3	1,958	3,327
HEL0190*±6A^A	RLC156 RLC180	18,000	5,300	21,200	6,200	3	1,830	3,109
HEL0250*±6A^A	RLC208	20,800	6,100	24,600	7,200	4	2,440	4,146
HEL0295*±6A^A	RLC260	26,000	7,600	30,700	9,000	5	3,050	5,182
HEL0350*±6A^A	RLC312	31,200	9,100	36,800	10,800	6	3,660	6,218
HEL0380*±6A^A	RLC370	37,000	10,800	44,400	13,000	6	3,660	6,218

		R-407A/R-407F		R-407C				
		Application Capacity[1]		Application Capacity[1]		Fan Data		
	Legacy Model	10°F TD/25°F SST	6°C TD/-4°C SST	10°F TD/25°F SST	6°C TD/-4°C SST			
New Model		BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H
HEL0045*±6A^A	RLC040	4,600	1,300	4,600	1,300	1	653	1,109
HEL0055*±6A^A	RLC052	6,100	1,800	6,100	1,800	1	610	1,036
HEL0060*±6A^A	RLC065 RLC070	7,800	2,300	7,800	2,300	1	610	1,036
HEL0095*±6A^A	RLC070 RLC090	10,000	2,900	10,000	2,900	2	1,305	2,217
HEL0105*±6A^A	RLC090 RLC104	12,500	3,600	12,500	3,600	2	1,305	2,217
HEL0115*±6A^A	RLC120	14,500	4,180	14,500	4,180	2	1,220	2,073
HEL0125*±6A^A	RLC130	15,500	4,500	15,500	4,500	2	1,220	2,073
HEL0155*±6A^A	RLC140	16,800	4,900	16,800	4,900	3	1,958	3,327
HEL0190*±6A^A	RLC156 RLC180	21,200	6,200	21,200	6,200	3	1,830	3,109
HEL0250*±6A^A	RLC208	24,600	7,200	24,600	7,200	4	2,440	4,146
HEL0295*±6A^A	RLC260	30,700	9,000	30,700	9,000	5	3,050	5,182
HEL0350*±6A^A	RLC312	36,800	10,800	36,800	10,800	6	3,660	6,218
HEL0380*±6A^A	RLC370	44,400	13,000	44,400	13,000	6	3,660	6,218

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

± = Y/S (see Nomenclature details)

A1 PERFORMANCE DATA

Application Capacity: Air Defrost- 60 Hz

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

		CO_2 DX				
		Application Capacity[1]		Fan Data		
New Model	Legacy Model	10°F TD/25°F SST	6°C TD/-4°C SST			
		BTUH	Watts	No. of Fans	CFM	m^3H
HEL0045*C6A^A	N/A	4,600	1,348	1	653	1,109
HEL0055*C6A^A	N/A	6,100	1,788	1	610	1,036
HEL0060*C6A^A	N/A	7,800	2,286	1	610	1,036
HEL0095*C6A^A	N/A	10,000	2,931	2	1,305	2,217
HEL0105*C6A^A	N/A	12,500	3,663	2	1,305	2,217
HEL0115*C6A^A	N/A	14,500	4,250	2	1,220	2,073
HEL0125*C6A^A	N/A	15,500	4,543	2	1,220	2,073
HEL0155*C6A^A	N/A	16,800	4,924	3	1,958	3,327
HEL0190*C6A^A	N/A	21,200	6,213	3	1,830	3,109
HEL0250*C6A^A	N/A	24,600	7,210	4	2,440	4,146
HEL0295*C6A^A	N/A	30,700	8,997	5	3,050	5,182
HEL0350*C6A^A	N/A	36,800	10,785	6	3,660	6,218
HEL0380*C6A^A	N/A	44,400	13,012	6	3,660	6,218

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

A2L PERFORMANCE DATA

Application Capacity: Air Defrost- 50 Hz (For PSC Motors)†

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

	R454A			R454C					
	Application Capacity[1]			Application Capacity[1]			Fan Data		
	10°F TD/25°F SST	6°C TD/-4°C SST	Room Area Minimum	10°F TD/25°F SST	6°C TD/-4°C SST	Room Area Minimum			
New Model	BTUH	Watts	Sq. Ft.	BTUH	Watts	Sq. Ft.	No. of Fans	CFM	m^3H
HEL0045*Y6A^A	4,400	1,290	52	3,600	1,055	50	1	588	999
HEL0055*Y6A^A	5,900	1,729	56	4,800	1,407	54	1	549	933
HEL0060*Y6A^A	7,500	2,198	56	6,200	1,817	54	1	549	933
HEL0095*Y6A^A	9,600	2,814	59	7,900	2,315	57	2	1,175	1,995
HEL0105*Y6A^A	12,000	3,517	62	9,900	2,902	59	2	1,175	1,995
HEL0115*Y6A^A	13,900	4,074	69	11,400	3,341	66	2	1,098	1,866
HEL0125*Y6A^A	14,900	4,367	69	12,200	3,576	66	2	1,098	1,866
HEL0155*Y6A^A	16,100	4,719	76	13,200	3,869	73	3	1,762	2,994
HEL0190*Y6A^A	20,300	5,950	89	16,700	4,894	85	3	1,647	2,798
HEL0250*Y6A^A	23,600	6,917	101	19,400	5,686	97	4	2,196	3,731
HEL0295*Y6A^A	29,500	8,646	113	24,200	7,093	108	5	2,745	4,664
HEL0350*Y6A^A	35,300	10,346	118	29,000	8,499	113	6	3,294	5,597
HEL0380*Y6A^A	42,600	12,485	127	35,000	10,258	122	6	3,294	5,597

	R455A					
	Application Capacity[1]			Fan Data		
	10°F TD/25°F SST	6°C TD/-4°C SST	Room Area Minimum			
New Model	BTUH	Watts	Sq. Ft.	No. of Fans	CFM	m^3H
HEL0045*Y6A^A	4,700	1,377	34	1	588	999
HEL0055*Y6A^A	6,300	1,846	36	1	549	933
HEL0060*Y6A^A	8,000	2,345	36	1	549	933
HEL0095*Y6A^A	10,300	3,019	39	2	1,175	1,995
HEL0105*Y6A^A	12,800	3,751	40	2	1,175	1,995
HEL0115*Y6A^A	14,900	4,367	45	2	1,098	1,866
HEL0125*Y6A^A	15,900	4,660	45	2	1,098	1,866
HEL0155*Y6A^A	17,200	5,041	49	3	1,762	2,994
HEL0190*Y6A^A	21,800	6,389	58	3	1,647	2,798
HEL0250*Y6A^A	25,200	7,386	65	4	2,196	3,731
HEL0295*Y6A^A	31,500	9,232	73	5	2,745	4,664
HEL0350*Y6A^A	37,800	11,079	76	6	3,294	5,597
HEL0380*Y6A^A	45,600	13,365	82	6	3,294	5,597

Notes:
* = Electrical Code Designator (see Nomenclature details)
^ = Motor Code Designator (see Nomenclature details)

A1 PERFORMANCE DATA

Application Capacity: Air Defrost- 50 Hz (For PSC Motors)†

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

		R-404A/R-507A		R-448A/R-449A				
		Application Capacity[1]		Application Capacity[1]		Fan Data		
New Model	Legacy Model	10°F TD/25°F SST	6°C TD/-4°C SST	10°F TD/25°F SST	6°C TD/-4°C SST			
		BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H
HEL0045*±6A^A	RLC040	3,800	1,140	4,370	1,235	1	588	999
HEL0055*±6A^A	RLC052	4,940	1,425	5,795	1,710	1	549	933
HEL0060*±6A^A	RLC065 RLC070	6,175	1,805	7,410	2,185	1	549	933
HEL0095*±6A^A	RLC070 RLC090	7,600	2,185	9,500	2,755	2	1,175	1,995
HEL0105*±6A^A	RLC090 RLC104	8,740	2,518	11,875	3,420	2	1,175	1,995
HEL0115*±6A^A	RLC120	11,115	3,202	13,775	3,971	2	1,098	1,866
HEL0125*±6A^A	RLC130	12,350	3,610	14,725	4,275	2	1,098	1,866
HEL0155*±6A^A	RLC140	13,300	3,895	15,960	4,655	3	1,762	2,994
HEL0190*±6A^A	RLC156 RLC180	17,100	5,035	20,140	5,890	3	1,647	2,798
HEL0250*±6A^A	RLC208	19,760	5,795	23,370	6,840	4	2,196	3,731
HEL0295*±6A^A	RLC260	24,700	7,220	29,165	8,550	5	2,745	4,664
HEL0350*±6A^A	RLC312	29,640	8,645	34,960	10,260	6	3,294	5,597
HEL0380*±6A^A	RLC370	35,150	10,260	42,180	12,350	6	3,294	5,597

		R-407A/R-407F		R-407C				
		Application Capacity[1]		Application Capacity[1]		Fan Data		
New Model	Legacy Model	10°F TD/25°F SST	6°C TD/-4°C SST	10°F TD/25°F SST	6°C TD/-4°C SST			
		BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H
HEL0045*±6A^A	RLC040	4,370	1,235	4,370	1,235	1	588	999
HEL0055*±6A^A	RLC052	5,795	1,710	5,795	1,710	1	549	933
HEL0060*±6A^A	RLC065 RLC070	7,410	2,185	7,410	2,185	1	549	933
HEL0095*±6A^A	RLC070 RLC090	9,500	2,755	9,500	2,755	2	1,175	1,995
HEL0105*±6A^A	RLC090 RLC104	11,875	3,420	11,875	3,420	2	1,175	1,995
HEL0115*±6A^A	RLC120	13,775	3,971	13,775	3,971	2	1,098	1,866
HEL0125*±6A^A	RLC130	14,725	4,275	14,725	4,275	2	1,098	1,866
HEL0155*±6A^A	RLC140	15,960	4,655	15,960	4,655	3	1,762	2,994
HEL0190*±6A^A	RLC156 RLC180	20,140	5,890	20,140	5,890	3	1,647	2,798
HEL0250*±6A^A	RLC208	23,370	6,840	23,370	6,840	4	2,196	3,731
HEL0295*±6A^A	RLC260	29,165	8,550	29,165	8,550	5	2,745	4,664
HEL0350*±6A^A	RLC312	34,960	10,260	34,960	10,260	6	3,294	5,597
HEL0380*±6A^A	RLC370	42,180	12,350	42,180	12,350	6	3,294	5,597

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

† = For 1-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)

± = Y/S (see Nomenclature details)

A1 PERFORMANCE DATA

Application Capacity: Air Defrost- 50 Hz (For PSC Motors)†

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

		CO_2 DX				
		Application Capacity[1]		Fan Data		
New Model	Legacy Model	10°F TD/25°F SST	6°C TD/-4°C SST			
		BTUH	Watts	No. of Fans	CFM	m^3H
HEL0045*C6A^A	N/A	4,370	1,281	1	588	999
HEL0055*C6A^A	N/A	5,795	1,698	1	549	933
HEL0060*C6A^A	N/A	7,410	2,172	1	549	933
HEL0095*C6A^A	N/A	9,500	2,784	2	1,175	1,996
HEL0105*C6A^A	N/A	11,875	3,480	2	1,175	1,996
HEL0115*C6A^A	N/A	13,775	4,037	2	1,098	1,866
HEL0125*C6A^A	N/A	14,725	4,315	2	1,098	1,866
HEL0155*C6A^A	N/A	15,960	4,677	3	1,762	2,994
HEL0190*C6A^A	N/A	20,140	5,902	3	1,647	2,798
HEL0250*C6A^A	N/A	23,370	6,849	4	2,196	3,731
HEL0295*C6A^A	N/A	29,165	8,547	5	2,745	4,664
HEL0350*C6A^A	N/A	34,960	10,246	6	3,294	5,597
HEL0380*C6A^A	N/A	42,180	12,362	6	3,294	5,597

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

† = For 1-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)

SPECIFICATIONS

Air Defrost- 60 Hz

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

		2-Speed EC Motor (Totally Enclosed)							
		115/1/60				208-230/1/60			
New Model	HP	Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD
HEL0045*±6AMA	1/20	0.9	55	1.1	20	0.5	55	0.6	15
HEL0055*±6AMA	1/20	0.9	55	1.1	20	0.5	55	0.6	15
HEL0060*±6AMA	1/20	0.9	55	1.1	20	0.5	55	0.6	15
HEL0095*±6AMA	1/20	1.8	110	2.0	20	1.0	110	1.1	15
HEL0105*±6AMA	1/20	1.8	110	2.0	20	1.0	110	1.1	15
HEL0115*±6AMA	1/20	1.8	110	2.0	20	1.0	110	1.1	15
HEL0125*±6AMA	1/20	1.8	110	2.0	20	1.0	110	1.1	15
HEL0155*±6AMA	1/20	2.7	165	2.9	20	1.5	165	1.6	15
HEL0190*±6AMA	1/20	2.7	165	2.9	20	1.5	165	1.6	15
HEL0250*±6AMA	1/20	3.6	220	3.8	20	2.0	220	2.1	15
HEL0295*±6AMA	1/20	4.5	275	4.7	20	2.5	275	2.6	15
HEL0350*±6AMA	1/20	5.4	330	5.6	20	3.0	330	3.1	15
HEL0380*±6AMA	1/20	5.4	330	5.6	20	3.0	330	3.1	15

		1-Speed EC Motor (Totally Enclosed)							
		115/1/60				208-230/1/60			
New Model	HP	Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD
HEL0045*±6AEA	1/20	0.9	55	1.1	20	0.5	59	0.6	15
HEL0055*±6AEA	1/20	0.9	55	1.1	20	0.5	59	0.6	15
HEL0060*±6AEA	1/20	0.9	55	1.1	20	0.5	59	0.6	15
HEL0095*±6AEA	1/20	1.8	110	2.0	20	1.0	118	1.1	15
HEL0105*±6AEA	1/20	1.8	110	2.0	20	1.0	118	1.1	15
HEL0115*±6AEA	1/20	1.8	110	2.0	20	1.0	118	1.1	15
HEL0125*±6AEA	1/20	1.8	110	2.0	20	1.0	118	1.1	15
HEL0155*±6AEA	1/20	2.7	165	2.9	20	1.5	177	1.6	15
HEL0190*±6AEA	1/20	2.7	165	2.9	20	1.5	177	1.6	15
HEL0250*±6AEA	1/20	3.6	220	3.8	20	2.0	236	2.1	15
HEL0295*±6AEA	1/20	4.5	275	4.7	20	2.5	295	2.6	15
HEL0350*±6AEA	1/20	5.4	330	5.6	20	3.0	354	3.1	15
HEL0380*±6AEA	1/20	5.4	330	5.6	20	3.0	354	3.1	15

Notes:

* = Electrical Code Designator (see Nomenclature details)
± = Refrigerant Designator (see Nomenclature details)

SPECIFICATIONS

Air Defrost- 60 Hz

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

		PSC Motor (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
HEL0045*±6ACA	1/20	1.0	82	1.3	20	0.5	91	0.6	15	0.4	117	0.5	15
HEL0055*±6ACA	1/20	1.0	82	1.3	20	0.5	91	0.6	15	0.4	117	0.5	15
HEL0060*±6ACA	1/20	1.0	82	1.3	20	0.5	91	0.6	15	0.4	117	0.5	15
HEL0095*±6ACA	1/20	2.0	164	2.3	20	1.0	182	1.1	15	0.8	234	0.9	15
HEL0105*±6ACA	1/20	2.0	164	2.3	20	1.0	182	1.1	15	0.8	234	0.9	15
HEL0115*±6ACA	1/20	2.0	164	2.3	20	1.0	182	1.1	15	0.8	234	0.9	15
HEL0125*±6ACA	1/20	2.0	164	2.3	20	1.0	182	1.1	15	0.8	234	0.9	15
HEL0155*±6ACA	1/20	3.0	246	3.3	20	1.5	273	1.6	15	1.2	351	1.3	15
HEL0190*±6ACA	1/20	3.0	246	3.3	20	1.5	273	1.6	15	1.2	351	1.3	15
HEL0250*±6ACA	1/20	4.0	328	4.3	20	2.0	364	2.1	15	1.6	468	1.7	15
HEL0295*±6ACA	1/20	5.0	410	5.3	20	2.5	455	2.6	15	2.0	585	2.1	15
HEL0350*±6ACA	1/20	6.0	492	6.3	20	3.0	546	3.1	15	2.4	702	2.5	15
HEL0380*±6ACA	1/20	6.0	492	6.3	20	3.0	546	3.1	15	2.4	702	2.5	15

Notes:

* = Electrical Code Designator (see Nomenclature details)
± = Refrigerant Designator (see Nomenclature details)

SPECIFICATIONS

Air Defrost- 50 Hz

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

		2-Speed EC Motor (Totally Enclosed)				1-Speed EC Motor (Totally Enclosed)				PSC Motor (Totally Enclosed)			
		220/1/50				220/1/50				220/1/50			
New Model	HP	Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD
HEL0045*±6A^A	1/20	0.5	55	0.6	15	0.5	59	0.6	15	0.5	65	0.6	15
HEL0055*±6A^A	1/20	0.5	55	0.6	15	0.5	59	0.6	15	0.5	65	0.6	15
HEL0060*±6A^A	1/20	0.5	55	0.6	15	0.5	59	0.6	15	0.5	65	0.6	15
HEL0095*±6A^A	1/20	1.0	110	1.1	15	1.0	118	1.1	15	1.0	130	1.1	15
HEL0105*±6A^A	1/20	1.0	110	1.1	15	1.0	118	1.1	15	1.0	130	1.1	15
HEL0115*±6A^A	1/20	1.0	110	1.1	15	1.0	118	1.1	15	1.0	130	1.1	15
HEL0125*±6A^A	1/20	1.0	110	1.1	15	1.0	118	1.1	15	1.0	130	1.1	15
HEL0155*±6A^A	1/20	1.5	165	1.6	15	1.5	177	1.6	15	1.5	195	1.6	15
HEL0190*±6A^A	1/20	1.5	165	1.6	15	1.5	177	1.6	15	1.5	195	1.6	15
HEL0250*±6A^A	1/20	2.0	220	2.1	15	2.0	236	2.1	15	2.0	260	2.1	15
HEL0295*±6A^A	1/20	2.5	275	2.6	15	2.5	295	2.6	15	2.5	325	2.6	15
HEL0350*±6A^A	1/20	3.0	330	3.1	15	3.0	354	3.1	15	3.0	390	3.1	15
HEL0380*±6A^A	1/20	3.0	330	3.1	15	3.0	354	3.1	15	3.0	390	3.1	15

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 Electric Defrost- 60 Hz

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

		R454A			R454C					
		Application Capacity[1]			Application Capacity[1]			Fan Data		
		10°F TD/-20°F SST	6°C TD/-29°C SST	Room Area Minimum	10°F TD/-20°F SST	6°C TD/-29°C SST	Room Area Minimum			
FPI	New Model	BTUH	Watts	Sq. Ft.	BTUH	Watts	Sq. Ft.	No. of Fans	CFM	m^3H
6	HEL0040*Y6E^A	3,800	1,114	52	3,200	938	50	1	685	1,164
6	HEL0045*Y6E^A	5,100	1,495	56	4,400	1,290	53	1	641	1,088
6	HEL0065*Y6E^A	7,000	2,052	61	6,000	1,758	59	2	1,371	2,329
6	HEL0080*Y6E^A	8,100	2,374	61	7,000	2,052	59	2	1,371	2,329
6	HEL0100*Y6E^A	9,600	2,814	69	8,200	2,403	66	2	1,281	2,176
6	HEL0130*Y6E^A	13,100	3,839	72	11,200	3,283	69	3	2,056	3,493
6	HEL0155*Y6E^A	15,500	4,543	89	13,300	3,898	86	3	1,922	3,265
6	HEL0170*Y6E^A	17,400	5,100	87	14,900	4,367	84	4	2,741	4,658
6	HEL0205*Y6E^A	19,500	5,715	101	16,700	4,894	97	4	2,562	4,353
6	HEL0240*Y6E^A	21,700	6,360	113	18,600	5,451	109	5	3,203	5,441
6	HEL0255*Y6E^A	26,100	7,649	107	22,300	6,536	103	6	4,112	6,986
6	HEL0310*Y6E^A	30,500	8,939	126	26,100	7,649	121	6	3,843	6,529
4	HEL0045*Y4E^A	4,400	1,290	55	3,700	1,084	52	1	667	1,132
4	HEL0070*Y4E^A	7,200	2,110	60	6,100	1,788	58	2	1,425	2,422
4	HEL0090*Y4E^A	8,500	2,491	67	7,300	2,140	64	2	1,332	2,263
4	HEL0135*Y4E^A	11,700	3,429	84	10,000	2,931	81	3	1,998	3,395
4	HEL0180*Y4E^A	15,800	4,631	96	13,500	3,957	93	4	2,664	4,527
4	HEL0220*Y4E^A	19,000	5,569	107	16,300	4,777	104	5	3,331	5,659
4	HEL0275*Y4E^A	25,100	7,356	118	21,500	6,301	115	6	3,997	6,790

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

± = Y/S (see Nomenclature details)

A2L PERFORMANCE DATA

Application Capacity: Low Temperature Electric Defrost- 60 Hz

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

		R455A					
		Application Capacity[1]			Fan Data		
		10°F TD/-20°F SST	6°C TD/-29°C SST	Room Area Minimum			
FPI	New Model	BTUH	Watts	Sq. Ft.	No. of Fans	CFM	m^3H
6	HEL0040*Y6E^A	3,700	1,084	34	1	685	1,164
6	HEL0045*Y6E^A	5,000	1,465	36	1	641	1,088
6	HEL0065*Y6E^A	6,800	1,993	40	2	1,371	2,329
6	HEL0080*Y6E^A	8,000	2,345	40	2	1,371	2,329
6	HEL0100*Y6E^A	9,400	2,755	45	2	1,281	2,176
6	HEL0130*Y6E^A	12,800	3,751	47	3	2,056	3,493
6	HEL0155*Y6E^A	15,200	4,455	58	3	1,922	3,265
6	HEL0170*Y6E^A	17,000	4,982	57	4	2,741	4,658
6	HEL0205*Y6E^A	19,100	5,598	66	4	2,562	4,353
6	HEL0240*Y6E^A	21,300	6,243	73	5	3,203	5,441
6	HEL0255*Y6E^A	25,600	7,503	69	6	4,112	6,986
6	HEL0310*Y6E^A	29,800	8,734	82	6	3,843	6,529
4	HEL0045*Y4E^A	4,300	1,260	40	1	667	1,132
4	HEL0070*Y4E^A	7,000	2,052	43	2	1,425	2,422
4	HEL0090*Y4E^A	8,400	2,462	48	2	1,332	2,263
4	HEL0135*Y4E^A	11,500	3,370	55	3	1,998	3,395
4	HEL0180*Y4E^A	15,500	4,543	63	4	2,664	4,527
4	HEL0220*Y4E^A	18,600	5,451	70	5	3,331	5,659
4	HEL0275*Y4E^A	24,600	7,210	78	6	3,997	6,790

Notes:

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

A1 PERFORMANCE DATA

Application Capacity: Low Temperature Electric Defrost- 60 Hz

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[1]		Application Capacity[1]		Fan Data		
FPI	New Model	Legacy Model	10°F TD/-20°F SST BTUH	6°C TD/-29°C SST Watts	10°F TD/-20°F SST BTUH	6°C TD/-29°C SST Watts	No. of Fans	CFM	m^3H
6	HEL0040*±6E^A	ELC035 ELC040	3,500	1,000	3,900	1,000	1	685	1,164
6	HEL0045*±6E^A	ELC040 ELC047	4,700	1,400	5,300	1,600	1	641	1,088
6	HEL0065*±6E^A	ELC065	6,500	1,900	7,200	2,100	2	1,371	2,329
6	HEL0080*±6E^A	ELC075	7,500	2,200	8,400	2,500	2	1,371	2,329
6	HEL0100*±6E^A	ELC090	9,000	2,600	9,900	2,900	2	1,281	2,176
6	HEL0130*±6E^A	ELC120	12,000	3,500	13,500	4,000	3	2,056	3,493
6	HEL0155*±6E^A	ELC140	14,000	4,100	16,000	4,700	3	1,922	3,265
6	HEL0170*±6E^A	ELC160	16,000	4,700	17,900	5,200	4	2,741	4,658
6	HEL0205*±6E^A	ELC180	18,000	5,300	20,100	5,900	4	2,562	4,353
6	HEL0240*±6E^A	ELC200	20,000	5,900	22,800	6,600	5	3,203	5,441
6	HEL0255*±6E^A	ELC240	24,000	7,000	26,900	7,900	6	4,112	6,986
6	HEL0310*±6E^A	ELC280	28,000	8,200	31,400	9,200	6	3,843	6,529
4	HEL0045*±4E^A	EFC041	4,100	1,200	4,500	1,300	1	667	1,132
4	HEL0070*±4E^A	EFC068	6,800	2,000	7,400	2,200	2	1,425	2,422
4	HEL0090*±4E^A	EFC080	8,000	2,300	8,800	2,600	2	1,332	2,263
4	HEL0135*±4E^A	EFC102	10,200	3,000	12,800	3,700	3	1,998	3,395
4	HEL0180*±4E^A	EFC136	13,600	4,000	17,300	5,000	4	2,664	4,527
4	HEL0220*±4E^A	EFC170	17,000	5,000	19,500	5,600	5	3,331	5,659
4	HEL0275*±4E^A	EFC204 EFC235	23,500	6,900	25,900	7,600	6	3,997	6,790

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

± = Y/S (see Nomenclature details)

A1 PERFORMANCE DATA

Application Capacity: Low Temperature Electric Defrost- 60 Hz

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-407A/R-407F		R-407C				
			Application Capacity[1]		Application Capacity[1]		Fan Data		
		Legacy Model	10°F TD/-20°F SST	6°C TD/-29°C SST	10°F TD/-20°F SST	6°C TD/-29°C SST			
FPI	New Model		BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H
6	HEL0040*±6E^A	ELC035 ELC040	3,900	1,000	-	-	1	685	1,164
6	HEL0045*±6E^A	ELC040 ELC047	5,300	1,600	-	-	1	641	1,088
6	HEL0065*±6E^A	ELC065	7,200	2,100	-	-	2	1,371	2,329
6	HEL0080*±6E^A	ELC075	8,400	2,500	-	-	2	1,371	2,329
6	HEL0100*±6E^A	ELC090	9,900	2,900	-	-	2	1,281	2,176
6	HEL0130*±6E^A	ELC120	13,500	4,000	-	-	3	2,056	3,493
6	HEL0155*±6E^A	ELC140	16,000	4,700	-	-	3	1,922	3,265
6	HEL0170*±6E^A	ELC160	17,900	5,200	-	-	4	2,741	4,658
6	HEL0205*±6E^A	ELC180	20,100	5,900	-	-	4	2,562	4,353
6	HEL0240*±6E^A	ELC200	22,400	6,500	-	-	5	3,203	5,441
6	HEL0255*±6E^A	ELC240	26,900	7,900	-	-	6	4,112	6,986
6	HEL0310*±6E^A	ELC280	31,400	9,200	-	-	6	3,843	6,529
4	HEL0045*±4E^A	EFC041	4,500	1,300	-	-	1	667	1,132
4	HEL0070*±4E^A	EFC068	7,400	2,200	-	-	2	1,425	2,422
4	HEL0090*±4E^A	EFC080	8,800	2,600	-	-	2	1,332	2,263
4	HEL0135*±4E^A	EFC102	12,100	3,500	-	-	3	1,998	3,395
4	HEL0180*±4E^A	EFC136	16,300	4,700	-	-	4	2,664	4,527
4	HEL0220*±4E^A	EFC170	19,600	5,600	-	-	5	3,331	5,659
4	HEL0275*±4E^A	EFC204 EFC235	25,900	7,600	-	-	6	3,997	6,790

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

± = Y/S (see Nomenclature details)

A1 PERFORMANCE DATA

Application Capacity: Low Temperature Electric Defrost- 60 Hz

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

			CO_2 DX				
			Application Capacity[1]		Fan Data		
		Legacy Model	10°F TD/-20°F SST	6°C TD/-29°C SST			
FPI	New Model		BTUH	Watts	No. of Fans	CFM	m^3H
6	HEL0040*C6E^A	N/A	3,900	1,143	1	685	1,164
6	HEL0045*C6E^A	N/A	5,300	1,553	1	641	1,088
6	HEL0065*C6E^A	N/A	7,200	2,110	2	1,371	2,329
6	HEL0080*C6E^A	N/A	8,400	2,462	2	1,371	2,329
6	HEL0100*C6E^A	N/A	9,900	2,901	2	1,281	2,176
6	HEL0130*C6E^A	N/A	13,500	3,956	3	2,056	3,493
6	HEL0155*C6E^A	N/A	16,000	4,689	3	1,922	3,265
6	HEL0170*C6E^A	N/A	17,900	5,246	4	2,741	4,657
6	HEL0205*C6E^A	N/A	20,100	5,891	4	2,562	4,353
6	HEL0240*C6E^A	N/A	22,400	6,565	5	3,203	5,441
6	HEL0255*C6E^A	N/A	26,900	7,884	6	4,112	6,986
6	HEL0310*C6E^A	N/A	31,400	9,202	6	3,843	6,529
4	HEL0045*C4E^A	N/A	4,500	1,319	1	667	1,132
4	HEL0070*C4E^A	N/A	7,400	2,169	2	1,425	2,422
4	HEL0090*C4E^A	N/A	8,800	2,579	2	1,332	2,263
4	HEL0135*C4E^A	N/A	12,100	3,546	3	1,998	3,395
4	HEL0180*C4E^A	N/A	16,300	4,777	4	2,664	4,527
4	HEL0220*C4E^A	N/A	19,600	5,744	5	3,331	5,659
4	HEL0275*C4E^A	N/A	25,900	7,591	6	3,997	6,790

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

A2L PERFORMANCE DATA

Application Capacity: Low Temperature Electric Defrost- 50 Hz (For 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

		R454A			R454C					
		Application Capacity[1]			Application Capacity[1]			Fan Data		
		10°F TD/-20°F SST	6°C TD/-29°C SST	Room Area Minimum	10°F TD/-20°F SST	6°C TD/-29°C SST	Room Area Minimum			
FPI	New Model	BTUH	Watts	Sq. Ft.	BTUH	Watts	Sq. Ft.	No. of Fans	CFM	m^3H
6	HEL0040*Y6E^A	3,600	1,055	52	3,100	909	50	1	617	1,048
6	HEL0045*Y6E^A	4,900	1,436	56	4,200	1,231	53	1	576	979
6	HEL0065*Y6E^A	6,600	1,934	61	5,700	1,671	59	2	1,234	2,096
6	HEL0080*Y6E^A	7,700	2,257	61	6,600	1,934	59	2	1,234	2,096
6	HEL0100*Y6E^A	9,100	2,667	69	7,800	2,286	66	2	1,153	1,959
6	HEL0130*Y6E^A	12,400	3,634	72	10,600	3,107	69	3	1,850	3,144
6	HEL0155*Y6E^A	14,700	4,308	89	12,600	3,693	86	3	1,729	2,938
6	HEL0170*Y6E^A	16,500	4,836	87	14,100	4,132	84	4	2,467	4,192
6	HEL0205*Y6E^A	18,500	5,422	101	15,800	4,631	97	4	2,306	3,918
6	HEL0240*Y6E^A	20,600	6,038	113	17,700	5,188	109	5	2,882	4,897
6	HEL0255*Y6E^A	24,800	7,268	107	21,200	6,213	103	6	3,701	6,288
6	HEL0310*Y6E^A	28,900	8,470	126	24,800	7,268	121	6	2,459	5,876
4	HEL0045*Y4E^A	4,100	1,202	55	3,500	1,026	52	1	600	1,019
4	HEL0070*Y4E^A	6,800	1,993	60	5,800	1,700	58	2	1,283	2,180
4	HEL0090*Y4E^A	8,100	2,374	67	6,900	2,022	64	2	1,199	2,037
4	HEL0135*Y4E^A	11,200	3,283	84	9,500	2,784	81	3	1,799	3,056
4	HEL0180*Y4E^A	15,000	4,396	96	12,900	3,781	93	4	2,398	4,074
4	HEL0220*Y4E^A	18,100	5,305	107	15,500	4,543	104	5	2,998	5,093
4	HEL0275*Y4E^A	23,900	7,005	118	20,400	5,979	115	6	3,597	6,111

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

† = For 1-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)

A2L PERFORMANCE DATA

Application Capacity: Low Temperature Electric Defrost- 50 Hz (For 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

		R455A					
		Application Capacity[1]			Fan Data		
		10°F TD/-20°F SST	6°C TD/-29°C SST	Room Area Minimum			
FPI	New Model	BTUH	Watts	Sq. Ft.	No. of Fans	CFM	m^3H
6	HEL0040*Y6E^A	3,500	1,026	34	1	617	1,048
6	HEL0045*Y6E^A	4,800	1,407	36	1	576	979
6	HEL0065*Y6E^A	6,500	1,905	40	2	1,234	2,096
6	HEL0080*Y6E^A	7,600	2,227	40	2	1,234	2,096
6	HEL0100*Y6E^A	8,900	2,608	45	2	1,153	1,959
6	HEL0130*Y6E^A	12,200	3,576	47	3	1,850	3,144
6	HEL0155*Y6E^A	14,400	4,220	58	3	1,729	2,938
6	HEL0170*Y6E^A	16,200	4,748	57	4	2,467	4,192
6	HEL0205*Y6E^A	18,100	5,305	66	4	2,306	3,918
6	HEL0240*Y6E^A	20,200	5,920	73	5	2,882	4,897
6	HEL0255*Y6E^A	24,300	7,122	69	6	3,701	6,288
6	HEL0310*Y6E^A	28,300	8,294	82	6	2,459	5,876
4	HEL0045*Y4E^A	4,100	1,202	40	1	600	1,019
4	HEL0070*Y4E^A	6,700	1,964	43	2	1,283	2,180
4	HEL0090*Y4E^A	7,900	2,315	48	2	1,199	2,037
4	HEL0135*Y4E^A	10,900	3,195	55	3	1,799	3,056
4	HEL0180*Y4E^A	14,700	4,308	63	4	2,398	4,074
4	HEL0220*Y4E^A	17,700	5,188	70	5	2,998	5,093
4	HEL0275*Y4E^A	23,400	6,858	78	6	3,597	6,111

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

† = For 1-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)

A1 PERFORMANCE DATA

Application Capacity: Low Temperature Electric Defrost- 50 Hz (For 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[1]		Application Capacity[1]		Fan Data		
FPI	New Model	Legacy Model	10°F TD/-20°F SST BTUH	6°C TD/-29°C SST Watts	10°F TD/-20°F SST BTUH	6°C TD/-29°C SST Watts	No. of Fans	CFM	m^3H
6	HEL0040*±6E^A	ELC035 ELC040	3,325	950	3,705	950	1	617	1,048
6	HEL0045*±6E^A	ELC040 ELC047	4,465	1,330	5,035	1,520	1	576	979
6	HEL0065*±6E^A	ELC065	6,175	1,805	6,840	1,995	2	1,234	2,096
6	HEL0080*±6E^A	ELC075	7,125	2,090	7,980	2,375	2	1,234	2,096
6	HEL0100*±6E^A	ELC090	8,550	2,470	9,405	2,755	2	1,153	1,959
6	HEL0130*±6E^A	ELC120	11,400	3,325	12,825	3,800	3	1,850	3,144
6	HEL0155*±6E^A	ELC140	13,300	3,895	15,200	4,465	3	1,729	2,938
6	HEL0170*±6E^A	ELC160	15,200	4,465	17,005	4,940	4	2,467	4,192
6	HEL0205*±6E^A	ELC180	17,100	5,035	19,095	5,605	4	2,306	3,918
6	HEL0240*±6E^A	ELC200	19,000	5,605	21,660	6,270	5	2,882	4,897
6	HEL0255*±6E^A	ELC240	22,800	6,650	25,555	7,505	6	3,701	6,288
6	HEL0310*±6E^A	ELC280	26,600	7,790	29,830	8,740	6	2,459	5,876
4	HEL0045*±4E^A	EFC041	3,895	1,140	4,275	1,235	1	600	1,019
4	HEL0070*±4E^A	EFC068	6,460	1,900	7,030	2,090	2	1,283	2,180
4	HEL0090*±4E^A	EFC080	7,600	2,185	8,360	2,470	2	1,199	2,037
4	HEL0135*±4E^A	EFC102	9,690	2,850	12,160	3,515	3	1,799	3,056
4	HEL0180*±4E^A	EFC136	12,920	3,800	16,435	4,750	4	2,398	4,074
4	HEL0220*±4E^A	EFC170	16,150	4,750	18,525	5,320	5	2,998	5,093
4	HEL0275*±4E^A	EFC204 EFC235	22,325	6,555	24,605	7,220	6	3,597	6,111

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

† = For 1-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)

± = Y/S (see Nomenclature details)

A1 PERFORMANCE DATA

Application Capacity: Low Temperature Electric Defrost- 50 Hz (For 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-407A/R-407F		R-407C				
			Application Capacity[1]		Application Capacity[1]		Fan Data		
		Legacy Model	10°F TD/-20°F SST	6°C TD/-29°C SST	10°F TD/-20°F SST	6°C TD/-29°C SST			
FPI	New Model		BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H
6	HEL0040*±6E^A	ELC035 ELC040	3,705	950	-	-	1	617	1,048
6	HEL0045*±6E^A	ELC040 ELC047	5,035	1,520	-	-	1	576	979
6	HEL0065*±6E^A	ELC065	6,840	1,995	-	-	2	1,234	2,096
6	HEL0080*±6E^A	ELC075	7,980	2,375	-	-	2	1,234	2,096
6	HEL0100*±6E^A	ELC090	9,405	2,755	-	-	2	1,153	1,959
6	HEL0130*±6E^A	ELC120	12,825	3,800	-	-	3	1,850	3,144
6	HEL0155*±6E^A	ELC140	15,200	4,465	-	-	3	1,729	2,938
6	HEL0170*±6E^A	ELC160	17,005	4,940	-	-	4	2,467	4,192
6	HEL0205*±6E^A	ELC180	19,095	5,605	-	-	4	2,306	3,918
6	HEL0240*±6E^A	ELC200	21,280	6,175	-	-	5	2,882	4,897
6	HEL0255*±6E^A	ELC240	25,555	7,505	-	-	6	3,701	6,288
6	HEL0310*±6E^A	ELC280	29,830	8,740	-	-	6	2,459	5,876
4	HEL0045*±4E^A	EFC041	4,275	1,235	-	-	1	600	1,019
4	HEL0070*±4E^A	EFC068	7,030	2,090	-	-	2	1,283	2,180
4	HEL0090*±4E^A	EFC080	8,360	2,470	-	-	2	1,199	2,037
4	HEL0135*±4E^A	EFC102	11,495	3,325	-	-	3	1,799	3,056
4	HEL0180*±4E^A	EFC136	15,485	4,465	-	-	4	2,398	4,074
4	HEL0220*±4E^A	EFC170	18,620	5,320	-	-	5	2,998	5,093
4	HEL0275*±4E^A	EFC204 EFC235	24,605	7,220	-	-	6	3,597	6,111

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

† = For 1-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)

± = Y/S (see Nomenclature details)

A1 PERFORMANCE DATA

Application Capacity: Low Temperature Electric Defrost- 50 Hz (For 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

			CO_2 DX				
			Application Capacity[1]		Fan Data		
		Legacy Model	10°F TD/-20°F SST	6°C TD/-29°C SST			
FPI	New Model		BTUH	Watts	No. of Fans	CFM	m^3H
6	HEL0040*C6E^A	N/A	3,705	1,086	1	617	1,048
6	HEL0045*C6E^A	N/A	5,035	1,476	1	576	979
6	HEL0065*C6E^A	N/A	6,840	2,005	2	1,234	2,096
6	HEL0080*C6E^A	N/A	7,980	2,339	2	1,234	2,096
6	HEL0100*C6E^A	N/A	9,405	2,756	2	1,153	1,959
6	HEL0130*C6E^A	N/A	12,825	3,759	3	1,850	3,144
6	HEL0155*C6E^A	N/A	15,200	4,455	3	1,729	2,938
6	HEL0170*C6E^A	N/A	17,005	4,984	4	2,467	4,192
6	HEL0205*C6E^A	N/A	19,095	5,596	4	2,306	3,918
6	HEL0240*C6E^A	N/A	21,280	6,237	5	2,882	4,897
6	HEL0255*C6E^A	N/A	25,555	7,489	6	3,701	6,288
6	HEL0310*C6E^A	N/A	29,830	8,742	6	2,459	5,876
4	HEL0045*C4E^A	N/A	4,275	1,253	1	600	1,019
4	HEL0070*C4E^A	N/A	7,030	2,060	2	1,283	2,180
4	HEL0090*C4E^A	N/A	8,360	2,450	2	1,199	2,037
4	HEL0135*C4E^A	N/A	11,495	3,369	3	1,799	3,056
4	HEL0180*C4E^A	N/A	15,485	4,538	4	2,398	4,074
4	HEL0220*C4E^A	N/A	18,620	5,457	5	2,998	5,093
4	HEL0275*C4E^A	N/A	24,605	7,211	6	3,597	6,111

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

† = For 1-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)

A2L PERFORMANCE DATA

Application Capacity: Medium Temperature Electric Defrost- 60 Hz

Please consult AWEF table on page 61 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			R454C					
		Application Capacity[1]			Application Capacity[1]			Fan Data		
		10°F TD/25°F SST	6°C TD/-4°C SST	Room Area Minimum	10°F TD/25°F SST	6°C TD/-4°C SST	Room Area Minimum			
FPI	New Model	BTUH	Watts	Sq. Ft.	BTUH	Watts	Sq. Ft.	No. of Fans	CFM	m^3H
6	HEL0040*Y6E^A	4,400	1,290	52	3,700	1,084	50	1	685	1,164
6	HEL0045*Y6E^A	5,900	1,729	56	5,100	1,495	53	1	641	1,088
6	HEL0065*Y6E^A	8,100	2,374	61	6,900	2,022	59	2	1,371	2,329
6	HEL0080*Y6E^A	9,300	2,726	61	8,100	2,374	59	2	1,371	2,329
6	HEL0100*Y6E^A	11,000	3,224	69	9,400	2,755	66	2	1,281	2,176
6	HEL0130*Y6E^A	15,100	4,426	72	12,900	3,781	69	3	2,056	3,493
6	HEL0155*Y6E^A	17,800	5,217	89	15,300	4,484	86	3	1,922	3,265
6	HEL0170*Y6E^A	20,000	5,862	87	17,100	5,012	84	4	2,741	4,658
6	HEL0205*Y6E^A	22,400	6,565	101	19,200	5,627	97	4	2,562	4,353
6	HEL0240*Y6E^A	25,000	7,327	113	21,400	6,272	109	5	3,203	5,441
6	HEL0255*Y6E^A	30,000	8,792	107	25,600	7,503	103	6	4,112	6,986
6	HEL0310*Y6E^A	35,100	10,287	126	30,000	8,792	121	6	3,843	6,529
4	HEL0045*Y4E^A	5,100	1,495	55	4,300	1,260	52	1	667	1,132
4	HEL0070*Y4E^A	8,300	2,433	60	7,000	2,052	58	2	1,425	2,422
4	HEL0090*Y4E^A	9,800	2,872	67	8,400	2,462	64	2	1,332	2,263
4	HEL0135*Y4E^A	13,500	3,957	84	11,500	3,370	81	3	1,998	3,395
4	HEL0180*Y4E^A	18,200	5,334	96	15,500	4,543	93	4	2,664	4,527
4	HEL0220*Y4E^A	21,900	6,419	107	18,700	5,481	104	5	3,331	5,659
4	HEL0275*Y4E^A	28,900	8,470	118	24,700	7,239	115	6	3,997	6,790

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

† = For 1-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)

A2L PERFORMANCE DATA

Application Capacity: Medium Temperature Electric Defrost- 60 Hz

Please consult AWEF table on page 61 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

		R455A					
		Application Capacity[1]			Fan Data		
		10°F TD/25°F SST	6°C TD/-4°C SST	Room Area Minimum			
FPI	New Model	BTUH	Watts	Sq. Ft.	No. of Fans	CFM	m^3H
6	HEL0040*Y6E^A	4,300	1,260	34	1	685	1,164
6	HEL0045*Y6E^A	5,800	1,700	36	1	641	1,088
6	HEL0065*Y6E^A	7,800	2,286	40	2	1,371	2,329
6	HEL0080*Y6E^A	9,200	2,696	40	2	1,371	2,329
6	HEL0100*Y6E^A	10,800	3,165	45	2	1,281	2,176
6	HEL0130*Y6E^A	14,700	4,308	47	3	2,056	3,493
6	HEL0155*Y6E^A	17,500	5,129	58	3	1,922	3,265
6	HEL0170*Y6E^A	19,600	5,744	57	4	2,741	4,658
6	HEL0205*Y6E^A	22,000	6,448	66	4	2,562	4,353
6	HEL0240*Y6E^A	24,500	7,181	73	5	3,203	5,441
6	HEL0255*Y6E^A	29,400	8,617	69	6	4,112	6,986
6	HEL0310*Y6E^A	34,300	10,053	82	6	3,843	6,529
4	HEL0045*Y4E^A	4,900	1,436	40	1	667	1,132
4	HEL0070*Y4E^A	8,100	2,374	43	2	1,425	2,422
4	HEL0090*Y4E^A	9,700	2,843	48	2	1,332	2,263
4	HEL0135*Y4E^A	13,200	3,869	55	3	1,998	3,395
4	HEL0180*Y4E^A	17,800	5,217	63	4	2,664	4,527
4	HEL0220*Y4E^A	21,400	6,272	70	5	3,331	5,659
4	HEL0275*Y4E^A	28,300	8,294	78	6	3,997	6,790

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

† = For 1-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)

A1 PERFORMANCE DATA

Application Capacity: Medium Temperature Electric Defrost- 60 Hz

Please consult AWEF table on page 61 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[1]		Application Capacity[1]		Fan Data		
FPI	New Model	Legacy Model	10°F TD/25°F SST	6°C TD/-4°F SST	10°F TD/25°F SST	6°C TD/-4°F SST			
			BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H
6	HEL0040*±6E^A	ELC035 ELC040	4,000	1,200	4,500	1,300	1	685	1,164
6	HEL0045*±6E^A	ELC040 ELC047	5,400	1,550	6,100	1,750	1	641	1,088
6	HEL0065*±6E^A	ELC065	7,450	2,150	8,300	2,400	2	1,371	2,329
6	HEL0080*±6E^A	ELC075	8,650	2,500	9,650	2,800	2	1,371	2,329
6	HEL0100*±6E^A	ELC090	10,350	3,000	11,400	3,300	2	1,281	2,176
6	HEL0130*±6E^A	ELC120	13,800	4,000	15,500	4,500	3	2,056	3,493
6	HEL0155*±6E^A	ELC140	16,100	4,650	18,400	5,300	3	1,922	3,265
6	HEL0170*±6E^A	ELC160	18,400	5,300	20,600	5,950	4	2,741	4,658
6	HEL0205*±6E^A	ELC180	20,700	6,000	23,100	6,650	4	2,562	4,353
6	HEL0240*±6E^A	ELC200	23,000	6,650	25,750	7,450	5	3,203	5,441
6	HEL0255*±6E^A	ELC240	27,600	7,950	30,950	8,950	6	4,112	6,986
6	HEL0310*±6E^A	ELC280	32,200	9,300	36,100	10,400	6	3,843	6,529
4	HEL0045*±4E^A	EFC041	4,700	1,400	5,200	1,500	1	667	1,132
4	HEL0070*±4E^A	EFC068	7,800	2,250	8,500	2,450	2	1,425	2,422
4	HEL0090*±4E^A	EFC080	9,200	2,650	10,100	2,900	2	1,332	2,263
4	HEL0135*±4E^A	EFC102	11,750	3,400	13,050	3,800	3	1,998	3,395
4	HEL0180*±4E^A	EFC136	15,650	4,500	17,650	5,100	4	2,664	4,527
4	HEL0220*±4E^A	EFC170	19,550	5,650	21,850	6,300	5	3,331	5,659
4	HEL0275*±4E^A	EFC204 EFC235	27,000	7,800	29,800	8,600	6	3,997	6,790

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

± = Y/S (see Nomenclature details)

A1 PERFORMANCE DATA

Application Capacity: Medium Temperature Electric Defrost- 60 Hz

Please consult AWEF table on page 61 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 Capacity[1]		Application Capacity[1]		Fan Data		
FPI	New Model	Legacy Model	10°F TD/25°F SST	6°C TD/-4°F SST	10°F TD/25°F SST	6°C TD/-4°F SST			
			BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H
6	HEL0040*±6E^A	ELC035 ELC040	4,500	1,300	-	-	1	685	1,164
6	HEL0045*±6E^A	ELC040 ELC047	6,100	1,750	-	-	1	641	1,088
6	HEL0065*±6E^A	ELC065	8,300	2,400	-	-	2	1,371	2,329
6	HEL0080*±6E^A	ELC075	9,650	2,800	-	-	2	1,371	2,329
6	HEL0100*±6E^A	ELC090	11,400	3,300	-	-	2	1,281	2,176
6	HEL0130*±6E^A	ELC120	15,500	4,500	-	-	3	2,056	3,493
6	HEL0155*±6E^A	ELC140	18,400	5,300	-	-	3	1,922	3,265
6	HEL0170*±6E^A	ELC160	20,600	5,950	-	-	4	2,741	4,658
6	HEL0205*±6E^A	ELC180	23,100	6,650	-	-	4	2,562	4,353
6	HEL0240*±6E^A	ELC200	25,750	7,450	-	-	5	3,203	5,441
6	HEL0255*±6E^A	ELC240	30,950	8,950	-	-	6	4,112	6,986
6	HEL0310*±6E^A	ELC280	36,100	10,400	-	-	6	3,843	6,529
4	HEL0045*±4E^A	EFC041	5,200	1,500	-	-	1	667	1,132
4	HEL0070*±4E^A	EFC068	8,500	2,450	-	-	2	1,425	2,422
4	HEL0090*±4E^A	EFC080	10,100	2,900	-	-	2	1,332	2,263
4	HEL0135*±4E^A	EFC102	13,050	3,800	-	-	3	1,998	3,395
4	HEL0180*±4E^A	EFC136	17,650	5,100	-	-	4	2,664	4,527
4	HEL0220*±4E^A	EFC170	21,850	6,300	-	-	5	3,331	5,659
4	HEL0275*±4E^A	EFC204 EFC235	29,800	8,600	-	-	6	3,997	6,790

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

± = Y/S (see Nomenclature details)

A1 PERFORMANCE DATA

Application Capacity: Medium Temperature Electric Defrost- 60 Hz

Please consult AWEF table on page 61 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_2 DX				
			Application Capacity[1]		Fan Data		
		Legacy Model	10°F TD/25°F SST	6°C TD/-4°C SST			
FPI	New Model		BTUH	Watts	No. of Fans	CFM	m^3H
6	HEL0040*C6E^A	N/A	4,500	1,319	1	685	1,164
6	HEL0045*C6E^A	N/A	6,100	1,788	1	641	1,089
6	HEL0065*C6E^A	N/A	8,300	2,432	2	1,371	2,329
6	HEL0080*C6E^A	N/A	9,650	2,828	2	1,371	2,329
6	HEL0100*C6E^A	N/A	11,400	3,341	2	1,281	2,176
6	HEL0130*C6E^A	N/A	15,500	4,543	3	2,056	3,493
6	HEL0155*C6E^A	N/A	18,400	5,393	3	1,922	3,265
6	HEL0170*C6E^A	N/A	20,600	6,037	4	2,741	4,657
6	HEL0205*C6E^A	N/A	23,100	6,770	4	2,562	4,353
6	HEL0240*C6E^A	N/A	25,750	7,547	5	3,203	5,442
6	HEL0255*C6E^A	N/A	30,950	9,071	6	4,112	6,986
6	HEL0310*C6E^A	N/A	36,100	10,580	6	3,843	6,529
4	HEL0045*C4E^A	N/A	5,200	1,524	1	641	1,089
4	HEL0070*C4E^A	N/A	8,500	2,491	2	1,425	2,421
4	HEL0090*C4E^A	N/A	10,100	2,960	2	1,332	2,263
4	HEL0135*C4E^A	N/A	13,050	3,825	3	1,998	3,395
4	HEL0180*C4E^A	N/A	17,650	5,173	4	2,664	4,526
4	HEL0220*C4E^A	N/A	21,850	6,404	5	3,331	5,659
4	HEL0275*C4E^A	N/A	29,800	8,734	6	3,997	6,791

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

SPECIFICATIONS

Electric Defrost- 60 Hz

			2-Speed EC Motor (Totally Enclosed)				Defrost Heaters-230V			Defrost Heaters-460V	
			208-230/1/60				Watts	230/1/60	230/3/60	Watts	460/1/60
FPI	New Model	HP	Amps	Watts	MCA	MOPD		Total Amps			Total Amps
6	HEL0040*±6EMA	1/20	0.5	55	0.6	15	1,050	4.6	2.8	900	2.0
6	HEL0045*±6EMA	1/20	0.5	55	0.6	15	1,050	4.6	2.8	900	2.0
6	HEL0065*±6EMA	1/20	1.0	110	1.1	15	2,100	9.1	5.7	1,800	3.9
6	HEL0080*±6EMA	1/20	1.0	110	1.1	15	2,100	9.1	5.7	1,800	3.9
6	HEL0100*±6EMA	1/20	1.0	110	1.1	15	2,100	9.1	5.7	1,800	3.9
6	HEL0130*±6EMA	1/20	1.5	165	1.6	15	3,150	13.7	8.5	2,700	5.9
6	HEL0155*±6EMA	1/20	1.5	165	1.6	15	3,150	13.7	8.5	2,700	5.9
6	HEL0170*±6EMA	1/20	2.0	220	2.1	15	4,200	18.3	11.4	3,600	7.8
6	HEL0205*±6EMA	1/20	2.0	220	2.1	15	4,200	18.3	11.4	3,600	7.8
6	HEL0240*±6EMA	1/20	2.5	275	2.6	15	5,250	22.8	14.2	4,500	9.8
6	HEL0255*±6EMA	1/20	3.0	330	3.1	15	6,300	27.4	17.1	5,400	11.7
6	HEL0310*±6EMA	1/20	3.0	330	3.1	15	6,300	27.4	17.1	5,400	11.7
4	HEL0045*±4EMA	1/20	0.5	55	0.6	15	1,050	4.6	2.8	900	2.0
4	HEL0070*±4EMA	1/20	1.0	110	1.1	15	2,100	9.1	5.7	1,800	3.9
4	HEL0090*±4EMA	1/20	1.0	110	1.1	15	2,100	9.1	5.7	1,800	3.9
4	HEL0135*±4EMA	1/20	1.5	165	1.6	15	3,150	13.7	8.5	2,700	5.9
4	HEL0180*±4EMA	1/20	2.0	220	2.1	15	4,200	18.3	11.4	3,600	7.8
4	HEL0220*±4EMA	1/20	2.5	275	2.6	15	5,250	22.8	14.2	4,500	9.8
4	HEL0275*±4EMA	1/20	3.0	330	3.1	15	6,300	27.4	17.1	5,400	11.7

			1-Speed EC Motor (Totally Enclosed)				Defrost Heaters-230V			Defrost Heaters-460V	
			208-230/1/60				Watts	230/1/60	230/3/60	Watts	460/1/60
FPI	New Model	HP	Amps	Watts	MCA	MOPD		Total Amps			Total Amps
6	HEL0040*±6EEA	1/20	0.5	55	0.6	15	1,050	4.6	2.8	900	2.0
6	HEL0045*±6EEA	1/20	0.5	55	0.6	15	1,050	4.6	2.8	900	2.0
6	HEL0065*±6EEA	1/20	1.0	110	1.1	15	2,100	9.1	5.7	1,800	3.9
6	HEL0080*±6EEA	1/20	1.0	110	1.1	15	2,100	9.1	5.7	1,800	3.9
6	HEL0100*±6EEA	1/20	1.0	110	1.1	15	2,100	9.1	5.7	1,800	3.9
6	HEL0130*±EEA	1/20	1.5	165	1.6	15	3,150	13.7	8.5	2,700	5.9
6	HEL0155*±6EMA	1/20	1.5	165	1.6	15	3,150	13.7	8.5	2,700	5.9
6	HEL0170*±6EMA	1/20	2.0	220	2.1	15	4,200	18.3	11.4	3,600	7.8
6	HEL0205*±6EMA	1/20	2.0	220	2.1	15	4,200	18.3	11.4	3,600	7.8
6	HEL0240*±6EMA	1/20	2.5	275	2.6	15	5,250	22.8	14.2	4,500	9.8
6	HEL0255*±6EMA	1/20	3.0	330	3.1	15	6,300	27.4	17.1	5,400	11.7
6	HEL0310*±6EMA	1/20	3.0	330	3.1	15	6,300	27.4	17.1	5,400	11.7
4	HEL0045*±4EEA	1/20	0.5	55	0.6	15	1,050	4.6	2.8	900	2.0
4	HEL0070*±4EEA	1/20	1.0	110	1.1	15	2,100	9.1	5.7	1,800	3.9
4	HEL0090*±4EEA	1/20	1.0	110	1.1	15	2,100	9.1	5.7	1,800	3.9
4	HEL0135*±4EEA	1/20	1.5	165	1.6	15	3,150	13.7	8.5	2,700	5.9
4	HEL0180*±4EEA	1/20	2.0	220	2.1	15	4,200	18.3	11.4	3,600	7.8
4	HEL0220*±4EEA	1/20	2.5	275	2.6	15	5,250	22.8	14.2	4,500	9.8
4	HEL0275*±4EEA	1/20	3.0	330	3.1	15	6,300	27.4	17.1	5,400	11.7

Notes:

* = Electrical Code Designator (see Nomenclature details)
± = Refrigerant Designator (see Nomenclature details)

SPECIFICATIONS

Electric Defrost- 60 Hz

			PSC Motor (Totally Enclosed)				Defrost Heaters-230V			Defrost Heaters-460V	
			208-230/1/60				Watts	230/1/60	230/3/60	Watts	460/1/60
FPI	New Model	HP	Amps	Watts	MCA	MOPD		Total Amps			Total Amps
6	HEL0040*±6ECA	1/20	0.5	91	0.6	15	1,050	4.6	2.8	900	2.0
6	HEL0045*±6ECA	1/20	0.5	91	0.6	15	1,050	4.6	2.8	900	2.0
6	HEL0065*±6ECA	1/20	1.0	182	1.1	15	2,100	9.1	5.7	1,800	3.9
6	HEL0080*±6ECA	1/20	1.0	182	1.1	15	2,100	9.1	5.7	1,800	3.9
6	HEL0100*±6ECA	1/20	1.0	182	1.1	15	2,100	9.1	5.7	1,800	3.9
6	HEL0130*±6ECA	1/20	1.5	273	1.6	15	3,150	13.7	8.5	2,700	5.9
6	HEL0155*±6ECA	1/20	1.5	273	1.6	15	3,150	13.7	8.5	2,700	5.9
6	HEL0170*±6ECA	1/20	2.0	364	2.1	15	4,200	18.3	11.4	3,600	7.8
6	HEL0205*±6ECA	1/20	2.0	364	2.1	15	4,200	18.3	11.4	3,600	7.8
6	HEL0240*±6ECA	1/20	2.5	455	2.6	15	5,250	22.8	14.2	4,500	9.8
6	HEL0255*±6ECA	1/20	3.0	546	3.1	15	6,300	27.4	17.1	5,400	11.7
6	HEL0310*±6ECA	1/20	3.0	546	3.1	15	6,300	27.4	17.1	5,400	11.7
4	HEL0045*±4ECA	1/20	0.5	91	0.6	15	1,050	4.6	2.8	900	2.0
4	HEL0070*±4ECA	1/20	1.0	182	1.1	15	2,100	9.1	5.7	1,800	3.9
4	HEL0090*±4ECA	1/20	1.0	182	1.1	15	2,100	9.1	5.7	1,800	3.9
4	HEL0135*±4ECA	1/20	1.5	273	1.6	15	3,150	13.7	8.5	2,700	5.9
4	HEL0180*±4ECA	1/20	2.0	364	2.1	15	4,200	18.3	11.4	3,600	7.8
4	HEL0220*±4ECA	1/20	2.5	455	2.6	15	5,250	22.8	14.2	4,500	9.8
4	HEL0275*±4ECA	1/20	3.0	546	3.1	15	6,300	27.4	17.1	5,400	11.7

			PSC Motor (Totally Enclosed)				Defrost Heaters-230V			Defrost Heaters-460V	
			460/1/60				Watts	230/1/60	230/3/60	Watts	460/1/60
FPI	New Model	HP	Amps	Watts	MCA	MOPD		Total Amps			Total Amps
6	HEL0040*±6ECA	1/20	0.4	117	0.5	15	1,050	4.6	2.8	900	2.0
6	HEL0045*±6ECA	1/20	0.4	117	0.5	15	1,050	4.6	2.8	900	2.0
6	HEL0065*±6ECA	1/20	0.8	234	0.9	15	2,100	9.1	5.7	1,800	3.9
6	HEL0080*±6ECA	1/20	0.8	234	0.9	15	2,100	9.1	5.7	1,800	3.9
6	HEL0100*±6ECA	1/20	0.8	234	0.9	15	2,100	9.1	5.7	1,800	3.9
6	HEL0130*±6ECA	1/20	1.2	351	1.3	15	3,150	13.7	8.5	2,700	5.9
6	HEL0155*±6ECA	1/20	1.2	351	1.3	15	3,150	13.7	8.5	2,700	5.9
6	HEL0170*±6ECA	1/20	1.6	468	1.7	15	4,200	18.3	11.4	3,600	7.8
6	HEL0205*±6ECA	1/20	1.6	468	1.7	15	4,200	18.3	11.4	3,600	7.8
6	HEL0240*±6ECA	1/20	2.0	585	2.1	15	5,250	22.8	14.2	4,500	9.8
6	HEL0255*±6ECA	1/20	2.4	702	2.5	15	6,300	27.4	17.1	5,400	11.7
6	HEL0310*±6ECA	1/20	2.4	702	2.5	15	6,300	27.4	17.1	5,400	11.7
4	HEL0045*±4ECA	1/20	0.4	117	0.5	15	1,050	4.6	2.8	900	2.0
4	HEL0070*±4ECA	1/20	0.8	234	0.9	15	2,100	9.1	5.7	1,800	3.9
4	HEL0090*±4ECA	1/20	0.8	234	0.9	15	2,100	9.1	5.7	1,800	3.9
4	HEL0135*±4ECA	1/20	1.2	351	1.3	15	3,150	13.7	8.5	2,700	5.9
4	HEL0180*±4ECA	1/20	1.6	468	1.7	15	4,200	18.3	11.4	3,600	7.8
4	HEL0220*±4ECA	1/20	2.0	585	2.1	15	5,250	22.8	14.2	4,500	9.8
4	HEL0275*±4ECA	1/20	2.4	702	2.5	15	6,300	27.4	17.1	5,400	11.7

Notes:

* = Electrical Code Designator (see Nomenclature details)
± = Refrigerant Designator (see Nomenclature details)

SPECIFICATIONS

Electric Defrost- 50 Hz

			2-Speed EC Motor (Totally Enclosed)				Defrost Heaters	
			220/1/50				Watts	220/1/50
FPI	New Model	HP	Amps	Watts	MCA	MOPD		Total Amps
6	HEL0040*±6EMA	1/20	0.5	55	0.6	15	960	4.4
6	HEL0045*±6EMA	1/20	0.5	55	0.6	15	960	4.4
6	HEL0065*±6EMA	1/20	1.0	110	1.1	15	1,920	8.7
6	HEL0080*±6EMA	1/20	1.0	110	1.1	15	1,920	8.7
6	HEL0100*±6EMA	1/20	1.0	110	1.1	15	1,920	8.7
6	HEL0130*±6EMA	1/20	1.5	165	1.6	15	2,880	13.1
6	HEL0155*±6EMA	1/20	1.5	165	1.6	15	2,880	13.1
6	HEL0170*±6EMA	1/20	2.0	220	2.1	15	3,845	17.5
6	HEL0205*±6EMA	1/20	2.0	220	2.1	15	3,845	17.5
6	HEL0240*±6EMA	1/20	2.5	275	2.6	15	4,805	21.8
6	HEL0255*±6EMA	1/20	3.0	330	3.1	15	5,765	26.2
6	HEL0310*±6EMA	1/20	3.0	330	3.1	15	5,765	26.2
4	HEL0045*±4EMA	1/20	0.5	55	0.6	15	960	4.4
4	HEL0070*±4EMA	1/20	1.0	110	1.1	15	1,920	8.7
4	HEL0090*±4EMA	1/20	1.0	110	1.1	15	1,920	8.7
4	HEL0135*±4EMA	1/20	1.5	165	1.6	15	2,880	13.1
4	HEL0180*±4EMA	1/20	2.0	220	2.1	15	3,845	17.5
4	HEL0220*±4EMA	1/20	2.5	275	2.6	15	4,805	21.8
4	HEL0275*±4EMA	1/20	3.0	330	3.1	15	5,765	26.2

			1-Speed EC Motor (Totally Enclosed)				Defrost Heaters	
			220/1/50				Watts	220/1/50
FPI	New Model	HP	Amps	Watts	MCA	MOPD		Total Amps
6	HEL0040*±6EEA	1/20	0.5	59	0.6	15	960	4.4
6	HEL0045*±6EEA	1/20	0.5	59	0.6	15	960	4.4
6	HEL0065*±6EEA	1/20	1.0	118	1.1	15	1,920	8.7
6	HEL0080*±6EEA	1/20	1.0	118	1.1	15	1,920	8.7
6	HEL0100*±6EEA	1/20	1.0	118	1.1	15	1,920	8.7
6	HEL0130*±6EEA	1/20	1.5	177	1.6	15	2,880	13.1
6	HEL0155*±6EEA	1/20	1.5	177	1.6	15	2,880	13.1
6	HEL0170*±6EEA	1/20	2.0	236	2.1	15	3,845	17.5
6	HEL0205*±6EEA	1/20	2.0	236	2.1	15	3,845	17.5
6	HEL0240*±6EEA	1/20	2.5	295	2.6	15	4,805	21.8
6	HEL0255*±6EEA	1/20	3.0	354	3.1	15	5,765	26.2
6	HEL0310*±6EEA	1/20	3.0	354	3.1	15	5,765	26.2
4	HEL0045*±4EEA	1/20	0.5	59	0.6	15	960	4.4
4	HEL0070*±4EEA	1/20	1.0	118	1.1	15	1,920	8.7
4	HEL0090*±4EEA	1/20	1.0	118	1.1	15	1,920	8.7
4	HEL0135*±4EEA	1/20	1.5	177	1.6	15	2,880	13.1
4	HEL0180*±4EEA	1/20	2.0	236	2.1	15	3,845	17.5
4	HEL0220*±4EEA	1/20	2.5	295	2.6	15	4,805	21.8
4	HEL0275*±4EEA	1/20	3.0	354	3.1	15	5,765	26.2

Notes:

* = Electrical Code Designator (see Nomenclature details)
± = Refrigerant Designator (see Nomenclature details)

SPECIFICATIONS

Electric Defrost- 50 Hz

			PSC Motor (Totally Enclosed)				Defrost Heaters	
			220/1/50				Watts	220/1/50
FPI	New Model	HP	Amps	Watts	MCA	MOPD		Total Amps
6	HEL0040*±6ECA	1/20	0.5	65	0.6	15	960	4.4
6	HEL0045*±6ECA	1/20	0.5	65	0.6	15	960	4.4
6	HEL0065*±6ECA	1/20	1.0	130	1.1	15	1,920	8.7
6	HEL0080*±6ECA	1/20	1.0	130	1.1	15	1,920	8.7
6	HEL0100*±6ECA	1/20	1.0	130	1.1	15	1,920	8.7
6	HEL0130*±6ECA	1/20	1.5	195	1.6	15	2,880	13.1
6	HEL0155*±6ECA	1/20	1.5	195	1.6	15	2,880	13.1
6	HEL0170*±6ECA	1/20	2.0	260	2.1	15	3,845	17.5
6	HEL0205*±6ECA	1/20	2.0	260	2.1	15	3,845	17.5
6	HEL0240*±6ECA	1/20	2.5	325	2.6	15	4,805	21.8
6	HEL0255*±6ECA	1/20	3.0	390	3.1	15	5,765	26.2
6	HEL0310*±6ECA	1/20	3.0	390	3.1	15	5,765	26.2
4	HEL0045*±4ECA	1/20	0.5	65	0.6	15	960	4.4
4	HEL0070*±4ECA	1/20	1.0	130	1.1	15	1,920	8.7
4	HEL0090*±4ECA	1/20	1.0	130	1.1	15	1,920	8.7
4	HEL0135*±4ECA	1/20	1.5	195	1.6	15	2,880	13.1
4	HEL0180*±4ECA	1/20	2.0	260	2.1	15	3,845	17.5
4	HEL0220*±4ECA	1/20	2.5	325	2.6	15	4,805	21.8
4	HEL0275*±4ECA	1/20	3.0	390	3.1	15	5,765	26.2

Notes:

* = Electrical Code Designator (see Nomenclature details)
± = Refrigerant Designator (see Nomenclature details)

A2L PERFORMANCE DATA

Application Capacity: Low Temperature Hot Gas Defrost- 60 Hz

Please consult AWEF table on page 62 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			R454C					
		Application Capacity[1]			Application Capacity[1]			Fan Data		
		10°F TD/-20°F SST	6°C TD/-29°C SST	Room Area Minimum	10°F TD/-20°F SST	6°C TD/-29°C SST	Room Area Minimum			
FPI	New Model	BTUH	Watts	Sq. Ft.	BTUH	Watts	Sq. Ft.	No. of Fans	CFM	m^3H
6	HEL0040*Y6H^A	3,800	1,114	52	3,200	938	50	1	685	1,164
6	HEL0045*Y6H^A	5,100	1,495	56	4,400	1,290	53	1	641	1,088
6	HEL0065*Y6H^A	7,000	2,052	61	6,000	1,758	59	2	1,371	2,329
6	HEL0080*Y6H^A	8,100	2,374	61	7,000	2,052	59	2	1,371	2,329
6	HEL0100*Y6H^A	9,600	2,814	69	8,200	2,403	66	2	1,281	2,176
6	HEL0130*Y6H^A	13,100	3,839	72	11,200	3,283	69	3	2,056	3,493
6	HEL0155*Y6H^A	15,500	4,543	89	13,300	3,898	86	3	1,922	3,265
6	HEL0170*Y6H^A	17,400	5,100	87	14,900	4,367	84	4	2,741	4,658
6	HEL0205*Y6H^A	19,500	5,715	101	16,700	4,894	97	4	2,562	4,353
6	HEL0240*Y6H^A	21,700	6,360	113	18,600	5,451	109	5	3,203	5,441
6	HEL0255*Y6H^A	26,100	7,649	107	22,300	6,536	103	6	4,112	6,986
6	HEL0310*Y6H^A	30,500	8,939	126	26,100	7,649	121	6	3,843	6,529
4	HEL0045*Y4H^A	4,400	1,290	55	3,700	1,084	52	1	667	1,132
4	HEL0070*Y4H^A	7,200	2,110	60	6,100	1,788	58	2	1,425	2,422
4	HEL0090*Y4H^A	8,500	2,491	67	7,300	2,140	64	2	1,332	2,263
4	HEL0135*Y4H^A	11,700	3,429	84	10,000	2,931	81	3	1,998	3,395
4	HEL0180*Y4H^A	15,800	4,631	96	13,500	3,957	93	4	2,664	4,527
4	HEL0220*Y4H^A	19,000	5,569	107	16,300	4,777	104	5	3,331	5,659
4	HEL0275*Y4H^A	25,100	7,356	118	21,500	6,301	115	6	3,997	6,790

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

† = For 1-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)

A2L PERFORMANCE DATA

Application Capacity: Low Temperature Hot Gas Defrost- 60 Hz

Please consult AWEF table on page 62 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

		R455A					
		Application Capacity[1]			Fan Data		
		10°F TD/-20°F SST	6°C TD/-29°C SST	Room Area Minimum			
FPI	New Model	BTUH	Watts	Sq. Ft.	No. of Fans	CFM	m^3H
6	HEL0040*Y6H^A	3,700	1,084	34	1	685	1,164
6	HEL0045*Y6H^A	5,000	1,465	36	1	641	1,088
6	HEL0065*Y6H^A	6,800	1,993	40	2	1,371	2,329
6	HEL0080*Y6H^A	8,000	2,345	40	2	1,371	2,329
6	HEL0100*Y6H^A	9,400	2,755	45	2	1,281	2,176
6	HEL0130*Y6H^A	12,800	3,751	47	3	2,056	3,493
6	HEL0155*Y6H^A	15,200	4,455	58	3	1,922	3,265
6	HEL0170*Y6H^A	17,000	4,982	57	4	2,741	4,658
6	HEL0205*Y6H^A	19,100	5,598	66	4	2,562	4,353
6	HEL0240*Y6H^A	21,300	6,243	73	5	3,203	5,441
6	HEL0255*Y6H^A	25,600	7,503	69	6	4,112	6,986
6	HEL0310*Y6H^A	29,800	8,734	82	6	3,843	6,529
4	HEL0045*Y4H^A	4,300	1,260	40	1	667	1,132
4	HEL0070*Y4H^A	7,000	2,052	43	2	1,425	2,422
4	HEL0090*Y4H^A	8,400	2,462	48	2	1,332	2,263
4	HEL0135*Y4H^A	11,500	3,370	55	3	1,998	3,395
4	HEL0180*Y4H^A	15,500	4,543	63	4	2,664	4,527
4	HEL0220*Y4H^A	18,600	5,451	70	5	3,331	5,659
4	HEL0275*Y4H^A	24,600	7,210	78	6	3,997	6,790

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

† = For 1-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)

A1 PERFORMANCE DATA

Application Capacity: Low Temperature Hot Gas Defrost- 60 Hz

Please consult AWEF table on page 62 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[1]		Application Capacity[1]		Fan Data		
		Legacy Model	10°F TD/-20°F SST	6°C TD/-29°C SST	10°F TD/-20°F SST	6°C TD/-29°C SST			
FPI	New Model		BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H
6	HEL0040*±6H^A	GLC035 GLC040	3,500	1,000	3,900	1,000	1	685	1,164
6	HEL0045*±6H^A	GLC040 GLC047	4,700	1,400	5,300	1,600	1	641	1,088
6	HEL0065*±6H^A	GLC065	6,500	1,900	7,200	2,100	2	1,371	2,329
6	HEL0080*±6H^A	GLC075	7,500	2,200	8,400	2,500	2	1,371	2,329
6	HEL0100*±6H^A	GLC090	9,000	2,600	9,900	2,900	2	1,281	2,176
6	HEL0130*±6H^A	GLC120	12,000	3,500	13,500	4,000	3	2,056	3,493
6	HEL0155*±6H^A	GLC140	14,000	4,100	16,000	4,700	3	1,922	3,265
6	HEL0170*±6H^A	GLC160	16,000	4,700	17,900	5,200	4	2,741	4,658
6	HEL0205*±6H^A	GLC180	18,000	5,300	20,100	5,900	4	2,562	4,353
6	HEL0240*±6H^A	GLC200	20,000	5,900	22,800	6,600	5	3,203	5,441
6	HEL0255*±6H^A	GLC240	24,000	7,000	26,900	7,900	6	4,112	6,986
6	HEL0310*±6H^A	GLC280	28,000	8,200	31,400	9,200	6	3,843	6,529
4	HEL0045*±4H^A	GLC041	4,100	1,200	4,500	1,300	1	667	1,132
4	HEL0070*±4H^A	GLC068	6,800	2,000	7,400	2,200	2	1,425	2,422
4	HEL0090*±4H^A	GLC080	8,000	2,300	8,800	2,600	2	1,332	2,263
4	HEL0135*±4H^A	GLC102	10,200	3,000	12,800	3,700	3	1,998	3,395
4	HEL0180*±4H^A	GLC136	13,600	4,000	17,300	5,000	4	2,664	4,527
4	HEL0220*±4H^A	GLC170	17,000	5,000	19,500	5,600	5	3,331	5,659
4	HEL0275*±4H^A	GLC204 GLC235	23,500	6,900	25,900	7,600	6	3,997	6,790

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

± = Y/S (see Nomenclature details)

A1 PERFORMANCE DATA

Application Capacity: Low Temperature Hot Gas Defrost- 60 Hz

Please consult AWEF table on page 62 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 Capacity[1]		Application Capacity[1]		Fan Data		
		Legacy Model	10°F TD/-20°F SST	6°C TD/-29°C SST	10°F TD/-20°F SST	6°C TD/-29°C SST			
FPI	New Model		BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H
6	HEL0040*±6H^A	GLC035 GLC040	3,900	1,000	-	-	1	685	1,164
6	HEL0045*±6H^A	GLC040 GLC047	5,300	1,600	-	-	1	641	1,088
6	HEL0065*±6H^A	GLC065	7,200	2,100	-	-	2	1,371	2,329
6	HEL0080*±6H^A	GLC075	8,400	2,500	-	-	2	1,371	2,329
6	HEL0100*±6H^A	GLC090	9,900	2,900	-	-	2	1,281	2,176
6	HEL0130*±6H^A	GLC120	13,500	4,000	-	-	3	2,056	3,493
6	HEL0155*±6H^A	GLC140	16,000	4,700	-	-	3	1,922	3,265
6	HEL0170*±6H^A	GLC160	17,900	5,200	-	-	4	2,741	4,658
6	HEL0205*±6H^A	GLC180	20,100	5,900	-	-	4	2,562	4,353
6	HEL0240*±6H^A	GLC200	22,400	6,500	-	-	5	3,203	5,441
6	HEL0255*±6H^A	GLC240	26,900	7,900	-	-	6	4,112	6,986
6	HEL0310*±6H^A	GLC280	31,400	9,200	-	-	6	3,843	6,529
4	HEL0045*±4H^A	GLC041	4,500	1,300	-	-	1	667	1,132
4	HEL0070*±4H^A	GLC068	7,400	2,200	-	-	2	1,425	2,422
4	HEL0090*±4H^A	GLC080	8,800	2,600	-	-	2	1,332	2,263
4	HEL0135*±4H^A	GLC102	12,100	3,500	-	-	3	1,998	3,395
4	HEL0180*±4H^A	GLC136	16,300	4,700	-	-	4	2,664	4,527
4	HEL0220*±4H^A	GLC170	19,600	5,500	-	-	5	3,331	5,659
4	HEL0275*±4H^A	GLC204 GLC235	25,900	7,600	-	-	6	3,997	6,790

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

± = Y/S (see Nomenclature details)

A2L PERFORMANCE DATA

Application Capacity: Low Temperature Hot Gas Defrost- 50 Hz (For PSC Motors)†

Please consult AWEF table on page 62 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			R454C					
		Application Capacity[1]			Application Capacity[1]			Fan Data		
		10°F TD/-20°F SST	6°C TD/-29°C SST	Room Area Minimum	10°F TD/-20°F SST	6°C TD/-29°C SST	Room Area Minimum			
FPI	New Model	BTUH	Watts	Sq. Ft.	BTUH	Watts	Sq. Ft.	No. of Fans	CFM	m^3H
6	HEL0040*Y6H^A	3,563	1,044	52	3,032	889	50	1	617	1,048
6	HEL0045*Y6H^A	4,167	1,221	56	3,449	1,011	53	1	576	979
6	HEL0065*Y6H^A	7,267	2,130	61	6,091	1,785	59	2	1,234	2,096
6	HEL0080*Y6H^A	7,267	2,130	61	6,091	1,785	59	2	1,234	2,096
6	HEL0100*Y6H^A	8,960	2,626	69	7,961	2,333	66	2	1,153	1,959
6	HEL0130*Y6H^A	10,908	3,197	72	9,547	2,798	69	3	1,850	3,144
6	HEL0155*Y6H^A	13,113	3,843	89	11,613	3,403	86	3	1,729	2,938
6	HEL0170*Y6H^A	14,384	4,216	87	12,078	3,540	84	4	2,467	4,192
6	HEL0205*Y6H^A	17,372	5,091	101	14,866	4,357	97	4	2,306	3,918
6	HEL0240*Y6H^A	20,960	6,143	113	17,329	5,079	109	5	2,882	4,897
6	HEL0255*Y6H^A	21,846	6,403	107	18,464	5,411	103	6	3,701	6,288
6	HEL0310*Y6H^A	21,823	6,396	126	19,212	5,631	121	6	2,459	5,876
4	HEL0045*Y4H^A	3,404	998	55	2,872	842	52	1	600	1,019
4	HEL0070*Y4H^A	5,841	1,712	60	4,972	1,457	58	2	1,283	2,180
4	HEL0090*Y4H^A	7,138	2,092	67	6,436	1,886	64	2	1,199	2,037
4	HEL0135*Y4H^A	10,916	3,199	84	9,516	2,789	81	3	1,799	3,056
4	HEL0180*Y4H^A	14,696	4,307	96	12,777	3,745	93	4	2,398	4,074
4	HEL0220*Y4H^A	17,799	5,217	107	15,039	4,408	104	5	2,998	5,093
4	HEL0275*Y4H^A	22,132	6,487	118	19,462	5,704	115	6	3,597	6,111

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

† = For 1-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)

A2L PERFORMANCE DATA

Application Capacity: Low Temperature Hot Gas Defrost- 50 Hz (For PSC Motors) †

Please consult AWEF table on page 62 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

		R455A					
		Application Capacity[1]			Fan Data		
		10°F TD/-20°F SST	6°C TD/-29°C SST	Room Area Minimum			
FPI	New Model	BTUH	Watts	Sq. Ft.	No. of Fans	CFM	m^3H
6	HEL0040*Y6H^A	3,670	1,076	34	1	617	1,048
6	HEL0045*Y6H^A	4,292	1,258	36	1	576	979
6	HEL0065*Y6H^A	7,485	2,194	40	2	1,234	2,096
6	HEL0080*Y6H^A	7,485	2,194	40	2	1,234	2,096
6	HEL0100*Y6H^A	9,229	2,705	45	2	1,153	1,959
6	HEL0130*Y6H^A	11,235	3,293	47	3	1,850	3,144
6	HEL0155*Y6H^A	13,507	3,959	58	3	1,729	2,938
6	HEL0170*Y6H^A	14,816	4,342	57	4	2,467	4,192
6	HEL0205*Y6H^A	17,893	5,244	66	4	2,306	3,918
6	HEL0240*Y6H^A	21,589	6,327	73	5	2,882	4,897
6	HEL0255*Y6H^A	22,502	6,595	69	6	3,701	6,288
6	HEL0310*Y6H^A	22,478	6,588	82	6	2,459	5,876
4	HEL0045*Y4H^A	3,506	1,027	40	1	600	1,019
4	HEL0070*Y4H^A	6,016	1,763	43	2	1,283	2,180
4	HEL0090*Y4H^A	7,352	2,155	48	2	1,199	2,037
4	HEL0135*Y4H^A	11,243	3,295	55	3	1,799	3,056
4	HEL0180*Y4H^A	15,137	4,436	63	4	2,398	4,074
4	HEL0220*Y4H^A	18,333	5,373	70	5	2,998	5,093
4	HEL0275*Y4H^A	22,796	6,681	78	6	3,597	6,111

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

† = For 1-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)

A1 PERFORMANCE DATA

Application Capacity: Low Temperature Hot Gas Defrost- 50 Hz (For PSC Motors)†

Please consult AWEF table on page 62 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[1]		Application Capacity[1]		Fan Data		
		Legacy Model	10°F TD/-20°F SST	6°C TD/-29°C SST	10°F TD/-20°F SST	6°C TD/-29°C SST			
FPI	New Model		BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H
6	HEL0040*±6H^A	GLC035 GLC040	3,325	950	3,705	950	1	617	1,048
6	HEL0045*±6H^A	GLC040 GLC047	4,465	1,330	5,035	1,520	1	576	979
6	HEL0065*±6H^A	GLC065	6,175	1,805	6,840	1,995	2	1,234	2,096
6	HEL0080*±6H^A	GLC075	7,125	2,090	7,980	2,375	2	1,234	2,096
6	HEL0100*±6H^A	GLC090	8,550	2,470	9,405	2,755	2	1,153	1,959
6	HEL0130*±6H^A	GLC120	11,400	3,325	12,825	3,800	3	1,850	3,144
6	HEL0155*±6H^A	GLC140	13,300	3,895	15,200	4,465	3	1,729	2,938
6	HEL0170*±6H^A	GLC160	15,200	4,465	17,005	4,940	4	2,467	4,192
6	HEL0205*±6H^A	GLC180	17,100	5,035	19,095	5,605	4	2,306	3,918
6	HEL0240*±6H^A	GLC200	19,000	5,605	21,660	6,270	5	2,882	4,897
6	HEL0255*±6H^A	GLC240	22,800	6,650	25,555	7,505	6	3,701	6,288
6	HEL0310*±6H^A	GLC280	26,600	7,790	29,830	8,740	6	2,459	5,876
4	HEL0045*±4H^A	GLC041	3,895	1,140	4,275	1,235	1	600	1,019
4	HEL0070*±4H^A	GLC068	6,460	1,900	7,030	2,090	2	1,283	2,180
4	HEL0090*±4H^A	GLC080	7,600	2,185	8,360	2,470	2	1,199	2,037
4	HEL0135*±4H^A	GLC102	9,690	2,850	12,160	3,515	3	1,799	3,056
4	HEL0180*±4H^A	GLC136	12,920	3,800	16,435	4,750	4	2,398	4,074
4	HEL0220*±4H^A	GLC170	16,150	4,750	18,525	5,320	5	2,998	5,093
4	HEL0275*±4H^A	GLC204 GLC235	22,325	6,555	24,605	7,220	6	3,597	6,111

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

† = For 1-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)

± = Y/S (see Nomenclature details)

A1 PERFORMANCE DATA

Application Capacity: Low Temperature Hot Gas Defrost- 50 Hz (For PSC Motors) †

Please consult AWEF table on page 62 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 Capacity[1]		Application Capacity[1]		Fan Data		
FPI	New Model	Legacy Model	10°F TD/-20°F SST BTUH	6°C TD/-29°C SST Watts	10°F TD/-20°F SST BTUH	6°C TD/-29°C SST Watts	No. of Fans	CFM	m^3H
6	HEL0040*±6H^A	GLC035 GLC040	3,705	950	-	-	1	617	1,048
6	HEL0045*±6H^A	GLC040 GLC047	5,035	1,520	-	-	1	576	979
6	HEL0065*±6H^A	GLC065	6,840	1,995	-	-	2	1,234	2,096
6	HEL0080*±6H^A	GLC075	7,980	2,375	-	-	2	1,234	2,096
6	HEL0100*±6H^A	GLC090	9,405	2,755	-	-	2	1,153	1,959
6	HEL0130*±6H^A	GLC120	12,825	3,800	-	-	3	1,850	3,144
6	HEL0155*±6H^A	GLC140	15,200	4,465	-	-	3	1,729	2,938
6	HEL0170*±6H^A	GLC160	17,005	4,940	-	-	4	2,467	4,192
6	HEL0205*±6H^A	GLC180	19,095	5,605	-	-	4	2,306	3,918
6	HEL0240*±6H^A	GLC200	21,280	6,175	-	-	5	2,882	4,897
6	HEL0255*±6H^A	GLC240	25,555	7,505	-	-	6	3,701	6,288
6	HEL0310*±6H^A	GLC280	29,830	8,740	-	-	6	2,459	5,876
4	HEL0045*±4H^A	GLC041	4,275	1,235	-	-	1	600	1,019
4	HEL0070*±4H^A	GLC068	7,030	2,090	-	-	2	1,283	2,180
4	HEL0090*±4H^A	GLC080	8,360	2,470	-	-	2	1,199	2,037
4	HEL0135*±4H^A	GLC102	11,495	3,325	-	-	3	1,799	3,056
4	HEL0180*±4H^A	GLC136	15,485	4,465	-	-	4	2,398	4,074
4	HEL0220*±4H^A	GLC170	18,620	5,225	-	-	5	2,998	5,093
4	HEL0275*±4H^A	GLC204 GLC235	24,605	7,220	-	-	6	3,597	6,111

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

† = For 1-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)

± = Y/S (see Nomenclature details)

A2L PERFORMANCE DATA

Application Capacity: Medium Temperature Hot Gas Defrost- 60 Hz

Please consult AWEF table on page 63 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			R454C					
		Application Capacity[1]			Application Capacity[1]			Fan Data		
		10°F TD/25°F SST	6°C TD/-4°C SST	Room Area Minimum	10°F TD/25°F SST	6°C TD/-4°C SST	Room Area Minimum			
FPI	New Model	BTUH	Watts	Sq. Ft.	BTUH	Watts	Sq. Ft.	No. of Fans	CFM	m^3H
6	HEL0040*Y6H^A	4,400	1,290	52	3,700	1,084	50	1	685	1,164
6	HEL0045*Y6H^A	5,900	1,729	56	5,100	1,495	53	1	641	1,088
6	HEL0065*Y6H^A	8,100	2,374	61	6,900	2,022	59	2	1,371	2,329
6	HEL0080*Y6H^A	9,300	2,726	61	8,100	2,374	59	2	1,371	2,329
6	HEL0100*Y6H^A	11,000	3,224	69	9,400	2,755	66	2	1,281	2,176
6	HEL0130*Y6H^A	15,100	4,426	72	12,900	3,781	69	3	2,056	3,493
6	HEL0155*Y6H^A	17,800	5,217	89	15,300	4,484	86	3	1,922	3,265
6	HEL0170*Y6H^A	20,000	5,862	87	17,100	5,012	84	4	2,741	4,658
6	HEL0205*Y6H^A	22,400	6,565	101	19,200	5,627	97	4	2,562	4,353
6	HEL0240*Y6H^A	25,000	7,327	113	21,400	6,272	109	5	3,203	5,441
6	HEL0255*Y6H^A	30,000	8,792	107	25,600	7,503	103	6	4,112	6,986
6	HEL0310*Y6H^A	35,100	10,287	126	30,000	8,792	121	6	3,843	6,529
4	HEL0045*Y4H^A	5,100	1,495	55	4,300	1,260	52	1	667	1,132
4	HEL0070*Y4H^A	8,300	2,433	60	7,000	2,052	58	2	1,425	2,422
4	HEL0090*Y4H^A	9,800	2,872	67	8,400	2,462	64	2	1,332	2,263
4	HEL0135*Y4H^A	13,500	3,957	84	11,500	3,370	81	3	1,998	3,395
4	HEL0180*Y4H^A	18,200	5,334	96	15,500	4,543	93	4	2,664	4,527
4	HEL0220*Y4H^A	21,900	6,419	107	18,700	5,481	104	5	3,331	5,659
4	HEL0275*Y4H^A	28,900	8,470	118	24,700	7,239	115	6	3,997	6,790

Notes:
* = Electrical Code Designator (see Nomenclature details)
^ = Motor Code Designator (see Nomenclature details)

A2L PERFORMANCE DATA

Application Capacity: Medium Temperature Hot Gas Defrost- 60 Hz

Please consult AWEF table on page 63 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

		R455A					
		Application Capacity[1]			Fan Data		
		10°F TD/25°F SST	6°C TD/-4°C SST	Room Area Minimum			
FPI	New Model	BTUH	Watts	Sq. Ft.	No. of Fans	CFM	m^3H
6	HEL0040*Y6H^A	4,300	1,260	34	1	685	1,164
6	HEL0045*Y6H^A	5,800	1,700	36	1	641	1,088
6	HEL0065*Y6H^A	7,800	2,286	40	2	1,371	2,329
6	HEL0080*Y6H^A	9,200	2,696	40	2	1,371	2,329
6	HEL0100*Y6H^A	10,800	3,165	45	2	1,281	2,176
6	HEL0130*Y6H^A	14,700	4,308	47	3	2,056	3,493
6	HEL0155*Y6H^A	17,500	5,129	58	3	1,922	3,265
6	HEL0170*Y6H^A	19,600	5,744	57	4	2,741	4,658
6	HEL0205*Y6H^A	22,000	6,448	66	4	2,562	4,353
6	HEL0240*Y6H^A	24,500	7,181	73	5	3,203	5,441
6	HEL0255*Y6H^A	29,400	8,617	69	6	4,112	6,986
6	HEL0310*Y6H^A	34,300	10,053	82	6	3,843	6,529
4	HEL0045*Y4H^A	4,900	1,436	40	1	667	1,132
4	HEL0070*Y4H^A	8,100	2,374	43	2	1,425	2,422
4	HEL0090*Y4H^A	9,700	2,843	48	2	1,332	2,263
4	HEL0135*Y4H^A	13,200	3,869	55	3	1,998	3,395
4	HEL0180*Y4H^A	17,800	5,217	63	4	2,664	4,527
4	HEL0220*Y4H^A	21,400	6,272	70	5	3,331	5,659
4	HEL0275*Y4H^A	28,300	8,294	78	6	3,997	6,790

Notes:
* = Electrical Code Designator (see Nomenclature details)
^ = Motor Code Designator (see Nomenclature details)

A1 PERFORMANCE DATA

Application Capacity: Medium Temperature Hot Gas Defrost- 60 Hz

Please consult AWEF table on page 63 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[1]		Application Capacity[1]		Fan Data		
FPI	New Model	Legacy Model	10°F TD/25°F SST	6°C TD/-4°F SST	10°F TD/25°F SST	6°C TD/-4°F SST			
			BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H
6	HEL0040*±6H^A	GLC035 GLC040	4,000	1,200	4,500	1,300	1	685	1,164
6	HEL0045*±6H^A	GLC040 GLC047	5,400	1,550	6,100	1,750	1	641	1,088
6	HEL0065*±6H^A	GLC065	7,450	2,150	8,300	2,400	2	1,371	2,329
6	HEL0080*±6H^A	GLC075	8,650	2,500	9,650	2,800	2	1,371	2,329
6	HEL0100*±6H^A	GLC090	10,350	3,000	11,400	3,300	2	1,281	2,176
6	HEL0130*±6H^A	GLC120	13,800	4,000	15,500	4,500	3	2,056	3,493
6	HEL0155*±6H^A	GLC140	16,100	4,650	18,400	5,300	3	1,922	3,265
6	HEL0170*±6H^A	GLC160	18,400	5,300	20,600	5,950	4	2,741	4,658
6	HEL0205*±6H^A	GLC180	20,700	6,000	23,100	6,650	4	2,562	4,353
6	HEL0240*±6H^A	GLC200	23,000	6,650	25,750	7,450	5	3,203	5,441
6	HEL0255*±6H^A	GLC240	27,600	7,950	30,950	8,950	6	4,112	6,986
6	HEL0310*±6H^A	GLC280	32,200	9,300	36,100	10,400	6	3,843	6,529
4	HEL0045*±4H^A	GLC041	4,700	1,400	5,200	1,500	1	667	1,132
4	HEL0070*±4H^A	GLC068	7,800	2,250	8,500	2,450	2	1,425	2,422
4	HEL0090*±4H^A	GLC080	9,200	2,650	10,100	2,900	2	1,332	2,263
4	HEL0135*±4H^A	GLC102	11,750	3,400	13,050	3,800	3	1,998	3,395
4	HEL0180*±4H^A	GLC136	15,650	4,500	17,650	5,100	4	2,664	4,527
4	HEL0220*±4H^A	GLC170	19,550	5,650	21,850	6,300	5	3,331	5,659
4	HEL0275*±4H^A	GLC204 GLC235	27,000	7,800	29,800	8,600	6	3,997	6,790

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

± = Y/S (see Nomenclature details)

A1 PERFORMANCE DATA

Application Capacity: Medium Temperature Hot Gas Defrost- 60 Hz

Please consult AWEF table on page 63 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 Capacity[1]		Application Capacity[1]		Fan Data		
FPI	New Model	Legacy Model	10°F TD/25°F SST	6°C TD/-4°F SST	10°F TD/25°F SST	6°C TD/-4°F SST			
			BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H
6	HEL0040*±6H^A	GLC035 GLC040	4,500	1,300	-	-	1	685	1,164
6	HEL0045*±6H^A	GLC040 GLC047	6,100	1,750	-	-	1	641	1,088
6	HEL0065*±6H^A	GLC065	8,300	2,400	-	-	2	1,371	2,329
6	HEL0080*±6H^A	GLC075	9,650	2,800	-	-	2	1,371	2,329
6	HEL0100*±6H^A	GLC090	11,400	3,300	-	-	2	1,281	2,176
6	HEL0130*±6H^A	GLC120	15,500	4,500	-	-	3	2,056	3,493
6	HEL0155*±6H^A	GLC140	18,400	5,300	-	-	3	1,922	3,265
6	HEL0170*±6H^A	GLC160	20,600	5,950	-	-	4	2,741	4,658
6	HEL0205*±6H^A	GLC180	23,100	6,650	-	-	4	2,562	4,353
6	HEL0240*±6H^A	GLC200	25,750	7,450	-	-	5	3,203	5,441
6	HEL0255*±6H^A	GLC240	30,950	8,950	-	-	6	4,112	6,986
6	HEL0310*±6H^A	GLC280	36,100	10,400	-	-	6	3,843	6,529
4	HEL0045*±4H^A	GLC041	5,200	1,500	-	-	1	667	1,132
4	HEL0070*±4H^A	GLC068	8,500	2,450	-	-	2	1,425	2,422
4	HEL0090*±4H^A	GLC080	10,100	2,900	-	-	2	1,332	2,263
4	HEL0135*±4H^A	GLC102	13,050	3,800	-	-	3	1,998	3,395
4	HEL0180*±4H^A	GLC136	17,650	5,100	-	-	4	2,664	4,527
4	HEL0220*±4H^A	GLC170	21,850	6,300	-	-	5	3,331	5,659
4	HEL0275*±4H^A	GLC204 GLC235	29,800	8,600	-	-	6	3,997	6,790

Notes:

[1] = 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

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

Net Capacity is available upon request

± = Y/S (see Nomenclature details)

SPECIFICATIONS

Hot Gas Defrost- 60 Hz

			2-Speed EC Motor (Totally Enclosed)				Drain Pan Heaters			
			115/1/60				Watts	115/1/60	230/1/60	460/1/60
FPI	New Model	HP	Amps	Watts	MCA	MOPD		Total Amps		
6	HEL0040*±6HMA	1/20	0.9	55	1.1	20	150	1.3	0.7	0.3
6	HEL0045*±6HMA	1/20	0.9	55	1.1	20	150	1.3	0.7	0.3
6	HEL0065*±6HMA	1/20	1.8	110	2.0	20	300	2.6	1.3	0.7
6	HEL0080*±6HMA	1/20	1.8	110	2.0	20	300	2.6	1.3	0.7
6	HEL0100*±6HMA	1/20	1.8	110	2.0	20	300	2.6	1.3	0.7
6	HEL0130*±6HMA	1/20	2.7	165	2.9	20	450	3.9	2.0	1.0
6	HEL0155*±6HMA	1/20	2.7	165	2.9	20	450	3.9	2.0	1.0
6	HEL0170*±6HMA	1/20	3.6	220	3.8	20	600	5.2	2.6	1.3
6	HEL0205*±6HMA	1/20	3.6	220	3.8	20	600	5.2	2.6	1.3
6	HEL0240*±6HMA	1/20	4.5	275	4.7	20	750	6.5	3.3	1.6
6	HEL0255*±6HMA	1/20	5.4	330	5.6	20	900	7.8	3.9	2.0
6	HEL0310*±6HMA	1/20	5.4	330	5.6	20	900	7.8	3.9	2.0
4	HEL0045*±4HMA	1/20	0.9	55	1.1	20	150	1.3	0.7	0.3
4	HEL0070*±4HMA	1/20	1.8	110	2.0	20	300	2.6	1.3	0.7
4	HEL0090*±4HMA	1/20	1.8	110	2.0	20	300	2.6	1.3	0.7
4	HEL0135*±4HMA	1/20	2.7	165	2.9	20	450	3.9	2.0	1.0
4	HEL0180*±4HMA	1/20	3.6	220	3.8	20	600	5.2	2.6	1.3
4	HEL0220*±4HMA	1/20	4.5	275	4.7	20	750	6.5	3.3	1.6
4	HEL0275*±4HMA	1/20	5.4	330	5.6	20	900	7.8	3.9	2.0

			2-Speed EC Motor (Totally Enclosed)				Drain Pan Heaters			
			208-230/1/60				Watts	115/1/60	230/1/60	460/1/60
FPI	New Model	HP	Amps	Watts	MCA	MOPD		Total Amps		
6	HEL0040*±6HMA	1/20	0.5	55	0.6	15	150	1.3	0.7	0.3
6	HEL0045*±6HMA	1/20	0.5	55	0.6	15	150	1.3	0.7	0.3
6	HEL0065*±6HMA	1/20	1.0	110	1.1	15	300	2.6	1.3	0.7
6	HEL0080*±6HMA	1/20	1.0	110	1.1	15	300	2.6	1.3	0.7
6	HEL0100*±6HMA	1/20	1.0	110	1.1	15	300	2.6	1.3	0.7
6	HEL0130*±6HMA	1/20	1.4	165	1.6	15	450	3.9	2.0	1.0
6	HEL0155*±6HMA	1/20	1.4	165	1.6	15	450	3.9	2.0	1.0
6	HEL0170*±6HMA	1/20	1.9	220	2.1	15	600	5.2	2.6	1.3
6	HEL0205*±6HMA	1/20	1.9	220	2.1	15	600	5.2	2.6	1.3
6	HEL0240*±6HMA	1/20	2.4	275	2.6	15	750	6.5	3.3	1.6
6	HEL0255*±6HMA	1/20	2.9	330	3.1	15	900	7.8	3.9	2.0
6	HEL0310*±6HMA	1/20	2.9	330	3.1	15	900	7.8	3.9	2.0
4	HEL0045*±4HMA	1/20	0.5	55	0.6	15	150	1.3	0.7	0.3
4	HEL0070*±4HMA	1/20	1.0	110	1.1	15	300	2.6	1.3	0.7
4	HEL0090*±4HMA	1/20	1.0	110	1.1	15	300	2.6	1.3	0.7
4	HEL0135*±4HMA	1/20	1.4	165	1.6	15	450	3.9	2.0	1.0
4	HEL0180*±4HMA	1/20	1.9	220	2.1	15	600	5.2	2.6	1.3
4	HEL0220*±4HMA	1/20	2.4	275	2.6	15	750	6.5	3.3	1.6
4	HEL0275*±4HMA	1/20	2.9	330	3.1	15	900	7.8	3.9	2.0

Notes:

* = Electrical Code Designator (see Nomenclature details)

± = Refrigerant Designator (see Nomenclature details)

SPECIFICATIONS

Hot Gas Defrost- 60 Hz

			1-Speed EC Motor (Totally Enclosed)				Drain Pan Heaters			
			115/1/60				Watt	115/1/60	230/1/60	460/1/60
FPI	New Model	HP	Amp	Watt	MCA	MOPD		Total Amp		
6	HEL0040*±6HEA	1/20	0.9	55	1.1	20	150	1.3	0.7	0.3
6	HEL0045*±6HEA	1/20	0.9	55	1.1	20	150	1.3	0.7	0.3
6	HEL0065*±6HEA	1/20	1.8	110	2.0	20	300	2.6	1.3	0.7
6	HEL0080*±6HEA	1/20	1.8	110	2.0	20	300	2.6	1.3	0.7
6	HEL0100*±6HEA	1/20	1.8	110	2.0	20	300	2.6	1.3	0.7
6	HEL0130*±6HEA	1/20	2.7	165	2.9	20	450	3.9	2.0	1.0
6	HEL0155*±6HEA	1/20	2.7	165	2.9	20	450	3.9	2.0	1.0
6	HEL0170*±6HEA	1/20	3.6	220	3.8	20	600	5.2	2.6	1.3
6	HEL0205*±6HEA	1/20	3.6	220	3.8	20	600	5.2	2.6	1.3
6	HEL0240*±6HEA	1/20	4.5	270	4.7	20	750	6.5	3.3	1.6
6	HEL0255*±6HEA	1/20	5.4	330	5.6	20	900	7.8	3.9	2.0
6	HEL0310*±6HEA	1/20	5.4	330	5.6	20	900	7.8	3.9	2.0
4	HEL0045*±4HEA	1/20	0.9	55	1.1	20	150	1.3	0.7	0.3
4	HEL0070*±4HEA	1/20	1.8	110	2.0	20	300	2.6	1.3	0.7
4	HEL0090*±4HEA	1/20	1.8	110	2.0	20	300	2.6	1.3	0.7
4	HEL0135*±4HEA	1/20	2.7	165	2.9	20	450	3.9	2.0	1.0
4	HEL0180*±4HEA	1/20	3.6	220	3.8	20	600	5.2	2.6	1.3
4	HEL0220*±4HEA	1/20	4.5	275	4.7	20	750	6.5	3.3	1.6
4	HEL0275*±4HEA	1/20	5.4	330	5.6	20	900	7.8	3.9	2.0

			1-Speed EC Motor (Totally Enclosed)				Drain Pan Heaters			
			208-230/1/60				Watts	115/1/60	230/1/60	460/1/60
FPI	New Model	HP	Amps	Watts	MCA	MOPD		Total Amps		
6	HEL0040*±6HEA	1/20	0.5	59	0.6	15	150	1.3	0.7	0.3
6	HEL0045*±6HEA	1/20	0.5	59	0.6	15	150	1.3	0.7	0.3
6	HEL0065*±6HEA	1/20	1.0	118	1.1	15	300	2.6	1.3	0.7
6	HEL0080*±6HEA	1/20	1.0	118	1.1	15	300	2.6	1.3	0.7
6	HEL0100*±6HEA	1/20	1.0	118	1.1	15	300	2.6	1.3	0.7
6	HEL0130*±6HEA	1/20	1.5	177	1.6	15	450	3.9	2.0	1.0
6	HEL0155*±6HEA	1/20	1.5	177	1.6	15	450	3.9	2.0	1.0
6	HEL0170*±6HEA	1/20	2.0	236	2.1	15	600	5.2	2.6	1.3
6	HEL0205*±6HEA	1/20	2.0	236	2.1	15	600	5.2	2.6	1.3
6	HEL0240*±6HEA	1/20	2.5	295	2.6	15	750	6.5	3.3	1.6
6	HEL0255*±6HEA	1/20	3.0	354	3.1	15	900	7.8	3.9	2.0
6	HEL0310*±6HEA	1/20	3.0	354	3.1	15	900	7.8	3.9	2.0
4	HEL0045*±4HEA	1/20	0.5	59	0.6	15	150	1.3	0.7	0.3
4	HEL0070*±4HEA	1/20	1.0	118	1.1	15	300	2.6	1.3	0.7
4	HEL0090*±4HEA	1/20	1.0	118	1.1	15	300	2.6	1.3	0.7
4	HEL0135*±4HEA	1/20	1.5	177	1.6	15	450	3.9	2.0	1.0
4	HEL0180*±4HEA	1/20	2.0	236	2.1	15	600	5.2	2.6	1.3
4	HEL0220*±4HEA	1/20	2.5	295	2.6	15	750	6.5	3.3	1.6
4	HEL0275*±4HEA	1/20	3.0	354	3.1	15	900	7.8	3.9	2.0

Notes:

* = Electrical Code Designator (see Nomenclature details)

± = Refrigerant Designator (see Nomenclature details)

SPECIFICATIONS

Hot Gas Defrost- 60 Hz

			PSC Motor (Totally Enclosed)				Drain Pan Heaters			
			115/1/60				Watts	115/1/60	230/1/60	460/1/60
FPI	New Model	HP	Amps	Watts	MCA	MOPD		Total Amps		
6	HEL0040*±6HCA	1/20	1.0	82	1.3	20	150	1.3	0.7	0.3
6	HEL0045*±6HCA	1/20	1.0	82	1.3	20	150	1.3	0.7	0.3
6	HEL0065*±6HCA	1/20	2.0	164	2.3	20	300	2.6	1.3	0.7
6	HEL0080*±6HCA	1/20	2.0	164	2.3	20	300	2.6	1.3	0.7
6	HEL0100*±6HCA	1/20	2.0	164	2.3	20	300	2.6	1.3	0.7
6	HEL0130*±6HCA	1/20	3.0	246	3.3	20	450	3.9	2.0	1.0
6	HEL0155*±6HCA	1/20	3.0	246	3.3	20	450	3.9	2.0	1.0
6	HEL0170*±6HCA	1/20	4.0	328	4.3	20	600	5.2	2.6	1.3
6	HEL0205*±6HCA	1/20	4.0	328	4.3	20	600	5.2	2.6	1.3
6	HEL0240*±6HCA	1/20	5.0	410	5.3	20	750	6.5	3.3	1.6
6	HEL0255*±6HCA	1/20	6.0	492	6.3	20	900	7.8	3.9	2.0
6	HEL0310*±6HCA	1/20	6.0	492	6.3	20	900	7.8	3.9	2.0
4	HEL0045*±4HCA	1/20	1.0	82	1.3	20	150	1.3	0.7	0.3
4	HEL0070*±4HCA	1/20	2.0	164	2.3	20	300	2.6	1.3	0.7
4	HEL0090*±4HCA	1/20	2.0	164	2.3	20	300	2.6	1.3	0.7
4	HEL0135*±4HCA	1/20	3.0	246	3.3	20	450	3.9	2.0	1.0
4	HEL0180*±4HCA	1/20	4.0	328	4.3	20	600	5.2	2.6	1.3
4	HEL0220*±4HCA	1/20	5.0	410	5.3	20	750	6.5	3.3	1.6
4	HEL0275*±4HCA	1/20	6.0	492	6.3	20	900	7.8	3.9	2.0

			PSC Motor (Totally Enclosed)				Drain Pan Heaters			
			208-230/1/60				Watts	115/1/60	230/1/60	460/1/60
FPI	New Model	HP	Amps	Watts	MCA	MOPD		Total Amps		
6	HEL0040*±6HCA	1/20	0.5	91	0.6	15	150	1.3	0.7	0.3
6	HEL0045*±6HCA	1/20	0.5	91	0.6	15	150	1.3	0.7	0.3
6	HEL0065*±6HCA	1/20	1.0	182	1.1	15	300	2.6	1.3	0.7
6	HEL0080*±6HCA	1/20	1.0	182	1.1	15	300	2.6	1.3	0.7
6	HEL0100*±6HCA	1/20	1.0	182	1.1	15	300	2.6	1.3	0.7
6	HEL0130*±6HCA	1/20	1.5	273	1.6	15	450	3.9	2.0	1.0
6	HEL0155*±6HCA	1/20	1.5	273	1.6	15	450	3.9	2.0	1.0
6	HEL0170*±6HCA	1/20	2.0	364	2.1	15	600	5.2	2.6	1.3
6	HEL0205*±6HCA	1/20	2.0	364	2.1	15	600	5.2	2.6	1.3
6	HEL0240*±6HCA	1/20	2.5	455	2.6	15	750	6.5	3.3	1.6
6	HEL0255*±6HCA	1/20	3.0	546	3.1	15	900	7.8	3.9	2.0
6	HEL0310*±6HCA	1/20	3.0	546	3.1	15	900	7.8	3.9	2.0
4	HEL0045*±4HCA	1/20	0.5	91	0.6	15	150	1.3	0.7	0.3
4	HEL0070*±4HCA	1/20	1.0	182	1.1	15	300	2.6	1.3	0.7
4	HEL0090*±4HCA	1/20	1.0	182	1.1	15	300	2.6	1.3	0.7
4	HEL0135*±4HCA	1/20	1.5	273	1.6	15	450	3.9	2.0	1.0
4	HEL0180*±4HCA	1/20	2.0	364	2.1	15	600	5.2	2.6	1.3
4	HEL0220*±4HCA	1/20	2.5	455	2.6	15	750	6.5	3.3	1.6
4	HEL0275*±4HCA	1/20	3.0	546	3.1	15	900	7.8	3.9	2.0

Notes:

* = Electrical Code Designator (see Nomenclature details)

± = Refrigerant Designator (see Nomenclature details)

SPECIFICATIONS

Hot Gas Defrost- 60 Hz

			PSC Motor (Totally Enclosed)				Drain Pan Heaters			
			460/1/60				Watts	115/1/60	230/1/60	460/1/60
FPI	New Model	HP	Amps	Watts	MCA	MOPD		Total Amps		
6	HEL0040*±6HCA	1/20	0.4	117	0.5	15	150	1.3	0.7	0.3
6	HEL0045*±6HCA	1/20	0.4	117	0.5	15	150	1.3	0.7	0.3
6	HEL0065*±6HCA	1/20	0.8	234	0.9	15	300	2.6	1.3	0.7
6	HEL0080*±6HCA	1/20	0.8	234	0.9	15	300	2.6	1.3	0.7
6	HEL0100*±6HCA	1/20	0.8	234	0.9	15	300	2.6	1.3	0.7
6	HEL0130*±6HCA	1/20	1.2	351	1.3	15	450	3.9	2.0	1.0
6	HEL0155*±6HCA	1/20	1.2	351	1.3	15	450	3.9	2.0	1.0
6	HEL0170*±6HCA	1/20	1.6	468	1.7	15	600	5.2	2.6	1.3
6	HEL0205*±6HCA	1/20	1.6	468	1.7	15	600	5.2	2.6	1.3
6	HEL0240*±6HCA	1/20	2.0	585	2.1	15	750	6.5	3.3	1.6
6	HEL0255*±6HCA	1/20	2.4	702	2.5	15	900	7.8	3.9	2.0
6	HEL0310*±6HCA	1/20	2.4	702	2.5	15	900	7.8	3.9	2.0
4	HEL0045*±4HCA	1/20	0.4	117	0.5	15	150	1.3	0.7	0.3
4	HEL0070*±4HCA	1/20	0.8	234	0.9	15	300	2.6	1.3	0.7
4	HEL0090*±4HCA	1/20	0.8	234	0.9	15	300	2.6	1.3	0.7
4	HEL0135*±4HCA	1/20	1.2	351	1.3	15	450	3.9	2.0	1.0
4	HEL0180*±4HCA	1/20	1.6	468	1.7	15	600	5.2	2.6	1.3
4	HEL0220*±4HCA	1/20	2.0	585	2.1	15	750	6.5	3.3	1.6
4	HEL0275*±4HCA	1/20	2.4	702	2.5	15	900	7.8	3.9	2.0

Notes:

* = Electrical Code Designator (see Nomenclature details)

± = Refrigerant Designator (see Nomenclature details)

SPECIFICATIONS

Hot Gas Defrost- 50 Hz

			2-Speed EC Motor (Totally Enclosed)				Drain Pan Heaters	
			220/1/50				Watts	220/1/50
FPI	New Model	HP	Amps	Watts	MCA	MOPD		Total Amps
6	HEL0040*±6HMA	1/20	0.5	55	0.6	15	135	0.6
6	HEL0045*±6HMA	1/20	0.5	55	0.6	15	135	0.6
6	HEL0065*±6HMA	1/20	1.0	110	1.1	15	275	1.2
6	HEL0080*±6HMA	1/20	1.0	110	1.1	15	275	1.2
6	HEL0100*±6HMA	1/20	1.0	110	1.1	15	275	1.2
6	HEL0130*±6HMA	1/20	1.5	165	1.6	15	410	1.9
6	HEL0155*±6HMA	1/20	1.5	165	1.6	15	410	1.9
6	HEL0170*±6HMA	1/20	2.0	220	2.1	15	550	2.5
6	HEL0205*±6HMA	1/20	2.0	220	2.1	15	550	2.5
6	HEL0240*±6HMA	1/20	2.5	275	2.6	15	690	3.1
6	HEL0255*±6HMA	1/20	3.0	330	3.1	15	825	3.7
6	HEL0310*±6HMA	1/20	3.0	330	3.1	15	825	3.7
4	HEL0045*±4HMA	1/20	0.5	55	0.6	15	135	0.6
4	HEL0070*±4HMA	1/20	1.0	110	1.1	15	275	1.2
4	HEL0090*±4HMA	1/20	1.0	110	1.1	15	275	1.2
4	HEL0135*±4HMA	1/20	1.5	165	1.6	15	410	1.9
4	HEL0180*±4HMA	1/20	2.0	220	2.1	15	550	2.5
4	HEL0220*±4HMA	1/20	2.5	275	2.6	15	690	3.1
4	HEL0275*±4HMA	1/20	3.0	330	3.1	15	825	3.7

			1-Speed EC Motor (Totally Enclosed)				Drain Pan Heaters	
			220/1/50				Watts	220/1/50
FPI	New Model	HP	Amps	Watts	MCA	MOPD		Total Amps
6	HEL0040*±6HEA	1/20	0.5	59	0.6	15	135	0.6
6	HEL0045*±6HEA	1/20	0.5	59	0.6	15	135	0.6
6	HEL0065*±6HEA	1/20	1.0	118	1.1	15	275	1.2
6	HEL0080*±6HEA	1/20	1.0	118	1.1	15	275	1.2
6	HEL0100*±6HEA	1/20	1.0	118	1.1	15	275	1.2
6	HEL0130*±6HEA	1/20	1.5	177	1.6	15	410	1.9
6	HEL0155*±6HEA	1/20	1.5	177	1.6	15	410	1.9
6	HEL0170*±6HEA	1/20	2.0	236	2.1	15	550	2.5
6	HEL0205*±6HEA	1/20	2.0	236	2.1	15	550	2.5
6	HEL0240*±6HEA	1/20	2.5	295	2.6	15	690	3.1
6	HEL0255*±6HEA	1/20	3.0	354	3.1	15	825	3.7
6	HEL0310*±6HEA	1/20	3.0	354	3.1	15	825	3.7
4	HEL0045*±4HEA	1/20	0.5	59	0.6	15	135	0.6
4	HEL0070*±4HEA	1/20	1.0	118	1.1	15	275	1.2
4	HEL0090*±4HEA	1/20	1.0	118	1.1	15	275	1.2
4	HEL0135*±4HEA	1/20	1.5	177	1.6	15	410	1.9
4	HEL0180*±4HEA	1/20	2.0	236	2.1	15	550	2.5
4	HEL0220*±4HEA	1/20	2.5	295	2.6	15	690	3.1
4	HEL0275*±4HEA	1/20	3.0	354	3.1	15	825	3.7

Notes:

* = Electrical Code Designator (see Nomenclature details)

± = Refrigerant Designator (see Nomenclature details)

SPECIFICATIONS

Hot Gas Defrost- 50 Hz

			PSC Motor (Totally Enclosed)				Drain Pan Heaters	
			220/1/50				Watts	220/1/50
FPI	New Model	HP	Amps	Watts	MCA	MOPD		Total Amps
6	HEL0040*±6HCA	1/20	0.5	65	0.6	15	135	0.6
6	HEL0045*±6HCA	1/20	0.5	65	0.6	15	135	0.6
6	HEL0065*±6HCA	1/20	1.0	130	1.1	15	275	1.2
6	HEL0080*±6HCA	1/20	1.0	130	1.1	15	275	1.2
6	HEL0100*±6HCA	1/20	1.0	130	1.1	15	275	1.2
6	HEL0130*±6HCA	1/20	1.5	195	1.6	15	410	1.9
6	HEL0155*±6HCA	1/20	1.5	195	1.6	15	410	1.9
6	HEL0170*±6HCA	1/20	2.0	260	2.1	15	550	2.5
6	HEL0205*±6HCA	1/20	2.0	260	2.1	15	550	2.5
6	HEL0240*±6HCA	1/20	2.5	325	2.6	15	690	3.1
6	HEL0255*±6HCA	1/20	3.0	390	3.1	15	825	3.7
6	HEL0310*±6HCA	1/20	3.0	390	3.1	15	825	3.7
4	HEL0045*±4HCA	1/20	0.5	65	0.6	15	135	0.6
4	HEL0070*±4HCA	1/20	1.0	130	1.1	15	275	1.2
4	HEL0090*±4HCA	1/20	1.0	130	1.1	15	275	1.2
4	HEL0135*±4HCA	1/20	1.5	195	1.6	15	410	1.9
4	HEL0180*±4HCA	1/20	2.0	260	2.1	15	550	2.5
4	HEL0220*±4HCA	1/20	2.5	325	2.6	15	690	3.1
4	HEL0275*±4HCA	1/20	3.0	390	3.1	15	825	3.7

Notes:
* = Electrical Code Designator (see Nomenclature details)
± = Refrigerant Designator (see Nomenclature details)

PHYSICAL DATA

Air Defrost

							Approx. Net Weight	
FPI	Model	No. of Fans	Coil Inlet OD	Suction OD	Equalizer OD	Drain MPT	lb	kg
6	HEL0045*±6A^A	1	1/2	1/2	1/4	3/4	33	15
6	HEL0055*±6A^A	1	1/2	5/8	1/4	3/4	36	16
6	HEL0060*±6A^A	1	1/2	5/8	1/4	3/4	36	16
6	HEL0095*±6A^A	2	1/2	5/8	1/4	3/4	51	23
6	HEL0105*±6A^A	2	1/2	5/8	1/4	3/4	52	24
6	HEL0115*±6A^A	2	1/2	7/8	1/4	3/4	56	26
6	HEL0125*±6A^A	2	1/2	7/8	1/4	3/4	56	26
6	HEL0155*±6A^A	3	1/2	7/8	1/4	3/4	67	30
6	HEL0190*±6A^A	3	1/2	7/8	1/4	3/4	73	33
6	HEL0250*±6A^A	4	1/2	7/8	1/4	3/4	94	43
6	HEL0295*±6A^A	5	1/2	7/8	1/4	3/4	115	52
6	HEL0350*±6A^A	6	1/2	1-1/8	1/4	3/4	133	60
6	HEL0380*±6A^A	6	1/2	1-1/8	1/4	3/4	137	62

Notes:

* = Electrical Code Designator (see Nomenclature details)
^ = Motor Code Designator (see Nomenclature details)
± = Refrigerant Designator

PHYSICAL DATA

Air Defrost (CO_2 DX)

Model	No. of Fans	Coil Inlet [2]	Suction OD [2]	Drain MPT	Approx. Net Weight	
					lb	kg
HEL0045*C6A^A	1	3/8	3/8	3/4	33	15
HEL0055*C6A^A	1	3/8	3/8	3/4	36	16
HEL0060*C6A^A	1	3/8	3/8	3/4	36	16
HEL0095*C6A^A	2	3/8	3/8	3/4	51	23
HEL0105*C6A^A	2	3/8	3/8	3/4	52	24
HEL0115*C6A^A	2	3/8	3/8	3/4	56	26
HEL0125*C6A^A	2	3/8	3/8	3/4	56	26
HEL0155*C6A^A	3	3/8	3/8	3/4	67	30
HEL0190*C6A^A	3	3/8	3/8	3/4	73	33
HEL0250*C6A^A	4	3/8	1/2	3/4	94	43
HEL0295*C6A^A	5	3/8	1/2	3/4	115	52
HEL0350*C6A^A	6	3/8	1/2	3/4	133	60
HEL0380*C6A^A	6	1/2	5/8	3/4	137	62

Notes:

* = Electrical Code Designator (see Nomenclature details)
^ = Motor Code Designator (see Nomenclature details)
[2] = Connection sizes may vary, if TD is lesser or greater than 10^0F

PHYSICAL DATA

Electric Defrost

							Approx. Net Weight	
FPI	Model	No. of Fans	Coil Inlet OD	Suction OD	Equalizer OD	Drain MPT	lb	kg
6	HEL0040*±6E^A	1	1/2	5/8	1/4	3/4	36	16
6	HEL0045*±6E^A	1	1/2	5/8	1/4	3/4	38	17
6	HEL0065*±6E^A	2	1/2	5/8	1/4	3/4	54	24
6	HEL0080*±6E^A	2	1/2	5/8	1/4	3/4	54	24
6	HEL0100*±6E^A	2	1/2	7/8	1/4	3/4	59	27
6	HEL0130*±6E^A	3	1/2	7/8	1/4	3/4	71	32
6	HEL0155*±6E^A	3	1/2	1-1/8	1/4	3/4	78	35
6	HEL0170*±6E^A	4	1/2	7/8	1/4	3/4	91	41
6	HEL0205*±6E^A	4	1/2	1-1/8	1/4	3/4	100	45
6	HEL0240*±6E^A	5	1/2	1-1/8	1/4	3/4	120	54
6	HEL0255*±6E^A	6	1/2	1-1/8	1/4	3/4	134	61
6	HEL0310*±6E^A	6	1/2	1-1/8	1/4	3/4	146	66
4	HEL0045*±4E^A	1	1/2	5/8	1/4	3/4	38	17
4	HEL0070*±4E^A	2	1/2	5/8	1/4	3/4	53	24
4	HEL0090*±4E^A	2	1/2	7/8	1/4	3/4	59	27
4	HEL0135*±4E^A	3	1/2	7/8	1/4	3/4	77	35
4	HEL0180*±4E^A	4	1/2	1-1/8	1/4	3/4	100	45
4	HEL0220*±4E^A	5	1/2	1-1/8	1/4	3/4	119	54
4	HEL0275*±4E^A	6	1/2	1-1/8	1/4	3/4	142	64

Notes:

* = Electrical Code Designator (see Nomenclature details)
^ = Motor Code Designator (see Nomenclature details)
± = Refrigerant Designator

PHYSICAL DATA

Electric Defrost (CO_2 DX)

						Approx. Net Weight	
FPI	Model	No. of Fans	Coil Inlet [2]	Suction OD [2]	Drain MPT	lb	kg
6	HEL0040*C6E^A	1	3/8	3/8	3/4	36	16
6	HEL0045*C6E^A	1	3/8	3/8	3/4	38	17
6	HEL0065*C6E^A	2	3/8	3/8	3/4	54	24
6	HEL0080*C6E^A	2	3/8	1/2	3/4	54	24
6	HEL0100*C6E^A	2	3/8	1/2	3/4	59	27
6	HEL0130*C6E^A	3	3/8	1/2	3/4	71	32
6	HEL0155*C6E^A	3	3/8	1/2	3/4	78	35
6	HEL0170*C6E^A	4	3/8	1/2	3/4	91	41
6	HEL0205*C6E^A	4	3/8	1/2	3/4	100	45
6	HEL0240*C6E^A	5	3/8	5/8	3/4	120	54
6	HEL0255*C6E^A	6	3/8	5/8	3/4	134	61
6	HEL0310*C6E^A	6	3/8	5/8	3/4	146	66
4	HEL0045*C4E^A	1	3/8	3/8	3/4	38	17
4	HEL0070*C4E^A	2	3/8	3/8	3/4	53	24
4	HEL0090*C4E^A	2	3/8	1/2	3/4	59	27
4	HEL0135*C4E^A	3	3/8	1/2	3/4	77	35
4	HEL0180*C4E^A	4	3/8	1/2	3/4	100	45
4	HEL0220*C4E^A	5	3/8	1/2	3/4	119	54
4	HEL0275*C4E^A	6	3/8	5/8	3/4	142	64

Notes:

* = Electrical Code Designator (see Nomenclature details)
^ = Motor Code Designator (see Nomenclature details)
[2] = Connection sizes may vary, if TD is lesser or greater than 10^0F

PHYSICAL DATA

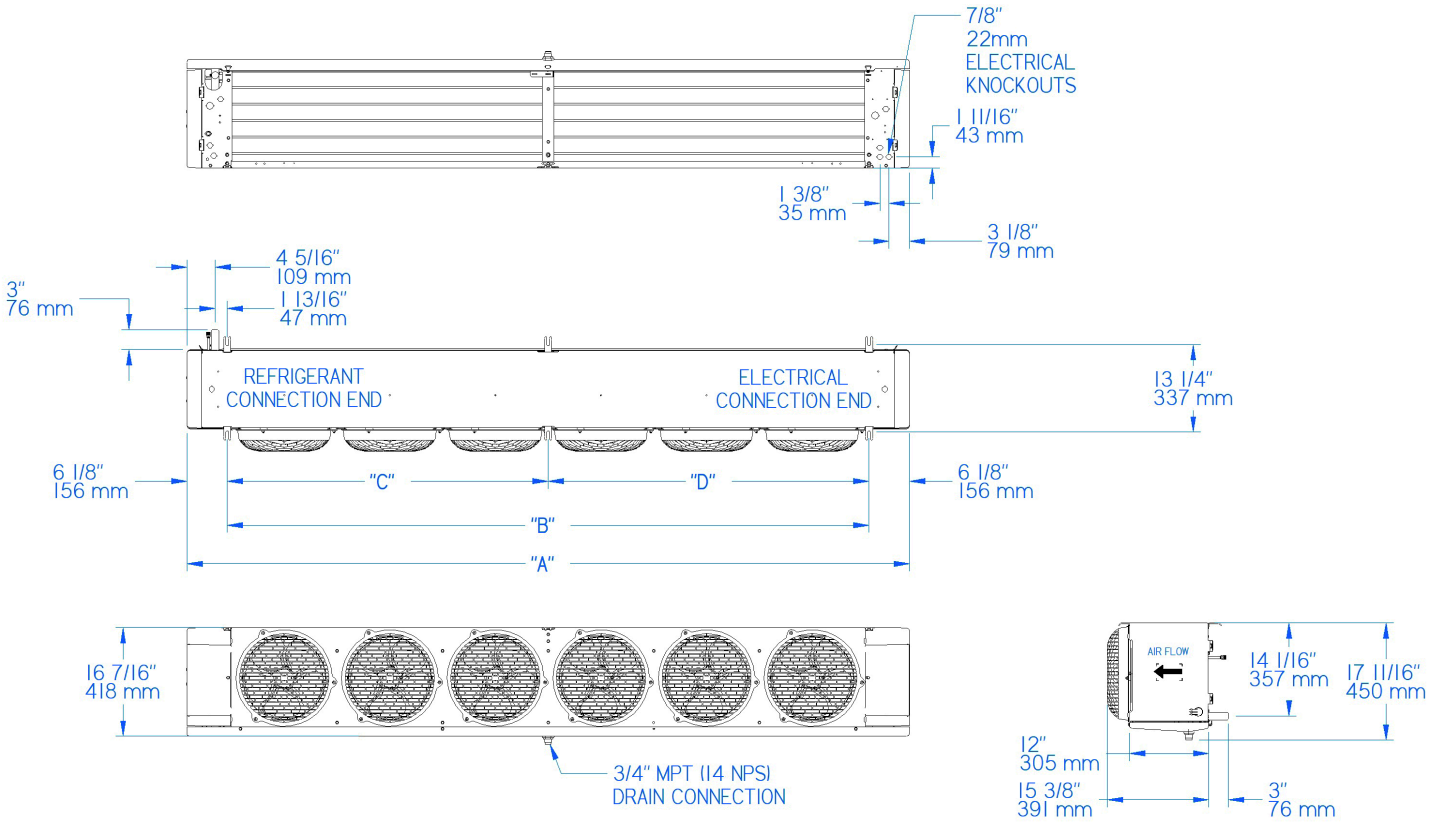
Hot Gas Defrost

FPI	Model	No. of Fans	Coil Inlet OD	Suction OD	Equalizer OD	Drain MPT	Side Port OD	Hot Gas Pan Connection OD	Approx. Net Weight	
									lb	kg
6	HEL0040*±6H^A	1	1/2	5/8	1/4	3/4	1/2	5/8	38	17
6	HEL0045*±6H^A	1	1/2	5/8	1/4	3/4	1/2	5/8	40	18
6	HEL0065*±6H^A	2	1/2	5/8	1/4	3/4	1/2	5/8	56	25
6	HEL0080*±6H^A	2	1/2	5/8	1/4	3/4	1/2	5/8	56	25
6	HEL0100*±6H^A	2	1/2	7/8	1/4	3/4	1/2	5/8	61	27
6	HEL0130*±6H^A	3	1/2	7/8	1/4	3/4	1/2	5/8	73	33
6	HEL0155*±6H^A	3	1/2	1-1/8	1/4	3/4	1/2	5/8	80	36
6	HEL0170*±6H^A	4	1/2	7/8	1/4	3/4	1/2	5/8	93	42
6	HEL0205*±6H^A	4	1/2	1-1/8	1/4	3/4	1/2	5/8	102	46
6	HEL0240*±6H^A	5	1/2	1-1/8	1/4	3/4	1/2	5/8	122	55
6	HEL0255*±6H^A	6	1/2	1-1/8	1/4	3/4	1/2	5/8	136	62
6	HEL0310*±6H^A	6	1/2	1-1/8	1/4	3/4	1/2	5/8	148	67
4	HEL0045*±4H^A	1	1/2	5/8	1/4	3/4	1/2	5/8	40	18
4	HEL0070*±4H^A	2	1/2	5/8	1/4	3/4	1/2	5/8	55	25
4	HEL0090*±4H^A	2	1/2	7/8	1/4	3/4	1/2	5/8	61	28
4	HEL0135*±4H^A	3	1/2	7/8	1/4	3/4	1/2	5/8	79	36
4	HEL0180*±4H^A	4	1/2	1-1/8	1/4	3/4	1/2	5/8	102	46
4	HEL0220*±4H^A	5	1/2	1-1/8	1/4	3/4	1/2	5/8	121	55
4	HEL0275*±4H^A	6	1/2	1-1/8	1/4	3/4	1/2	5/8	144	65

Notes:

* = Electrical Code Designator (see Nomenclature details)
^ = Motor Code Designator (see Nomenclature details)
± = Refrigerant Designator

DIMENSIONAL DRAWINGS



No. of Fans	A		B		C		D	
	in.	mm	in.	mm	in.	mm	in.	mm
1	29.5	749	17.25	438	-	-	-	-
2	45.5	1,156	33.25	845	-	-	-	-
3	61.5	1,562	49.25	1,251	-	-	-	-
4	77.5	1,969	65.25	1,657	-	-	-	-
5	93.5	2,375	81.25	2,064	48.63	1,235	32.63	829
6	109.5	2,781	97.25	2,470	48.63	1,235	48.63	1,235

Note:
Hanger brackets will accept 3/8" / 9.5 mm hanger rods

DOE Rated AWEF

AWEF DATA

Air Defrost/2-Speed EC Motors

FPI	Model	Cooler							
		R-404A/ R-507A	R-448A/ R0449A	R-407A/ R-407F	R-407C	R454A	R454C	R455A	CO_2 DX
		AWEF	AWEF	AWEF	AWEF	AWEF	AWEF	AWEF	AWEF
6	HEL0045*±6AMA	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
6	HEL0055*±6AMA	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
6	HEL0060*±6AMA	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
6	HEL0095*±6AMA	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
6	HEL0105*±6AMA	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
6	HEL0115*±6AMA	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
6	HEL0125*±6AMA	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
6	HEL0155*±6AMA	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
6	HEL0190*±6AMA	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
6	HEL0250*±6AMA	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
6	HEL0295*±6AMA	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
6	HEL0350*±6AMA	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
6	HEL0380*±6AMA	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00

Notes:
* = Electrical Code Designator (see Nomenclature details)
± = Refrigerant Designator

DOE Rated AWEF

AWEF DATA

Electric Defrost/1-Speed EC Motors

FPI	Model	Freezer							
		R-404A/ R-507A	R-448A/ R0449A	R-407A/ R-407F	R-407C	R454A	R454C	R455A	CO_2 DX
		AWEF	AWEF	AWEF	AWEF	AWEF	AWEF	AWEF	AWEF
6	HEL0040*±6EEA	3.96	3.96	3.96	-	3.96	3.96	3.96	3.96
6	HEL0045*±6EEA	3.96	3.96	3.96	-	3.96	3.96	3.96	3.96
6	HEL0065*±6EEA	4.00	4.03	4.02	-	4.00	4.03	4.02	4.00
6	HEL0080*±6EEA	4.03	4.03	4.03	-	4.03	4.03	4.03	4.03
6	HEL0100*±6EEA	4.00	4.06	4.06	-	4.00	4.06	4.06	4.00
6	HEL0130*±6EEA	4.09	4.09	4.09	-	4.09	4.09	4.09	4.09
6	HEL0155*±6EEA	4.10	4.10	4.10	-	4.10	4.10	4.10	4.10
6	HEL0170*±6EEA	4.14	4.14	4.14	-	4.14	4.14	4.14	4.14
6	HEL0205*±6EEA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.15
6	HEL0240*±6EEA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.15
6	HEL0255*±6EEA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.15
6	HEL0310*±6EEA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.15
4	HEL0045*±4EEA	3.96	3.96	3.96	-	3.96	3.96	3.96	3.96
4	HEL0070*±4EEA	3.99	3.99	3.99	-	3.99	-	3.99	-
4	HEL0090*±4EEA	4.02	4.02	4.02	-	4.02	4.02	4.02	4.02
4	HEL0135*±4EEA	4.07	4.07	4.07	-	4.07	4.07	4.07	4.07
4	HEL0180*±4EEA	4.12	4.12	4.12	-	4.12	4.12	4.12	4.12
4	HEL0220*±4EEA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.15
4	HEL0275*±4EEA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.15

Notes:
* = Electrical Code Designator (see Nomenclature details)
± = Refrigerant Designator

DOE Rated AWEF

AWEF DATA

Electric Defrost/2-Speed EC Motors

FPI	Model	Cooler							
		R-404A/ R-507A	R-448A/ R0449A	R-407A/ R-407F	R-407C	R454A	R454C	R455A	CO_2 DX
		AWEF	AWEF	AWEF	AWEF	AWEF	AWEF	AWEF	AWEF
6	HEL0040*±6EMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0045*±6EMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0065*±6EMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0080*±6EMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0100*±6EMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0130*±6EMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0155*±6EMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0170*±6EMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0205*±6EMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0240*±6EMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0255*±6EMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0310*±6EMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
4	HEL0045*±4EMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
4	HEL0070*±4EMA	9.00	9.00	9.00	-	9.00	9.00	9.00	-
4	HEL0090*±4EMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
4	HEL0135*±4EMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
4	HEL0180*±4EMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
4	HEL0220*±4EMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
4	HEL0275*±4EMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00

FPI	Model	Freezer							
		R-404A/ R-507A	R-448A/ R0449A	R-407A/ R-407F	R-407C	R454A	R454C	R455A	CO_2 DX
		AWEF	AWEF	AWEF	AWEF	AWEF	AWEF	AWEF	AWEF
6	HEL0040*±6EMA	3.96	3.96	3.96	-	3.96	3.96	3.96	3.96
6	HEL0045*±6EMA	3.96	3.96	3.96	-	3.96	3.96	3.96	3.96
6	HEL0065*±6EMA	4.00	4.03	4.02	-	4.00	4.03	4.02	4.00
6	HEL0080*±6EMA	4.00	4.00	4.00	-	4.00	4.00	4.00	4.00
6	HEL0100*±6EMA	4.03	4.03	4.03	-	4.03	4.03	4.03	4.03
6	HEL0130*±6EMA	4.06	4.06	4.06	-	4.06	4.06	4.06	4.06
6	HEL0155*±6EMA	4.09	4.09	4.09	-	4.09	4.09	4.09	4.09
6	HEL0170*±6EMA	4.10	4.10	4.10	-	4.10	4.10	4.10	4.10
6	HEL0205*±6EMA	4.14	4.14	4.14	-	4.14	4.14	4.14	4.14
6	HEL0240*±6EMA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.15
6	HEL0255*±6EMA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.15
6	HEL0310*±6EMA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.15
4	HEL0045*±4EMA	3.96	3.96	3.96	-	3.96	3.96	3.96	3.96
4	HEL0070*±4EMA	3.99	3.99	3.99	-	3.99	3.99	3.99	-
4	HEL0090*±4EMA	4.02	4.02	4.02	-	4.02	4.02	4.02	4.02
4	HEL0135*±4EMA	4.07	4.07	4.07	-	4.07	4.07	4.07	4.07
4	HEL0180*±4EMA	4.12	4.12	4.12	-	4.12	4.12	4.12	4.12
4	HEL0220*±4EMA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.15
4	HEL0275*±4EMA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.15

Notes:
* = Electrical Code Designator (see Nomenclature details)
± = Refrigerant Designator

DOE Rated AWEF

AWEF DATA

Hot Gas Defrost/1-Speed EC Motors

FPI	Model	Freezer							
		R-404A/ R-507A	R-448A/ R0449A	R-407A/ R-407F	R-407C	R454A	R454C	R455A	CO_2 DX
		AWEF	AWEF	AWEF	AWEF	AWEF	AWEF	AWEF	AWEF
6	HEL0040*±6HEA	3.96	3.96	3.96	-	3.96	3.96	3.96	3.96
6	HEL0045*±6HEA	3.96	3.96	3.96	-	3.96	3.96	3.96	3.96
6	HEL0065*±6HEA	4.00	4.03	4.02	-	4.00	4.03	4.02	4.00
6	HEL0080*±6HEA	4.03	4.03	4.03	-	4.03	4.03	4.03	4.00
6	HEL0100*±6HEA	4.06	4.06	4.06	-	4.06	4.06	4.06	4.03
6	HEL0130*±6HEA	4.09	4.09	4.09	-	4.09	4.09	4.09	4.06
6	HEL0155*±6HEA	4.10	4.10	4.10	-	4.10	4.10	4.10	4.09
6	HEL0170*±6HEA	4.14	4.14	4.14	-	4.14	4.14	4.14	4.10
6	HEL0205*±6HEA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.14
6	HEL0240*±6HEA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.15
6	HEL0255*±6HEA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.15
6	HEL0310*±6HEA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.15
4	HEL0045*±4HEA	3.96	3.96	3.96	-	3.96	3.96	3.96	3.96
4	HEL0070*±4HEA	3.99	3.99	3.99	-	3.99	-	3.99	-
4	HEL0090*±4HEA	4.02	4.02	4.02	-	4.02	4.02	4.02	4.02
4	HEL0135*±4HEA	4.07	4.07	4.07	-	4.07	4.07	4.07	4.07
4	HEL0180*±4HEA	4.12	4.12	4.12	-	4.12	4.12	4.12	4.12
4	HEL0220*±4HEA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.15
4	HEL0275*±4HEA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.15

Notes:
* = Electrical Code Designator (see Nomenclature details)
± = Refrigerant Designator (see Nomenclature details)

DOE Rated AWEF

AWEF DATA

Hot Gas Defrost/2-Speed EC Motors

FPI	Model	Cooler							
		R-404A/ R-507A	R-448A/ R0449A	R-407A/ R-407F	R-407C	R454A	R454C	R455A	CO_2 DX
		AWEF	AWEF	AWEF	AWEF	AWEF	AWEF	AWEF	AWEF
6	HEL0040*±6HMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0045*±6HMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0065*±6HMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0080*±6HMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0100*±6HMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0130*±6HMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0155*±6HMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0170*±6HMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0205*±6HMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0240*±6HMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0255*±6HMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
6	HEL0310*±6HMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
4	HEL0045*±4HMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
4	HEL0070*±4HMA	9.00	9.00	9.00	-	9.00	9.00	9.00	-
4	HEL0090*±4HMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
4	HEL0135*±4HMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
4	HEL0180*±4HMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
4	HEL0220*±4HMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00
4	HEL0275*±4HMA	9.00	9.00	9.00	-	9.00	9.00	9.00	9.00

FPI	Model	Freezer							
		R-404A/ R-507A	R-448A/ R0449A	R-407A/ R-407F	R-407C	R454A	R454C	R455A	CO_2
		AWEF	AWEF	AWEF	AWEF	AWEF	AWEF	AWEF	AWEF
6	HEL0040*±6HMA	3.96	3.96	3.96	-	3.96	3.96	3.96	3.96
6	HEL0045*±6HMA	3.96	3.96	3.96	-	3.96	3.96	3.96	3.96
6	HEL0065*±6HMA	4.00	4.03	4.02	-	4.00	4.03	4.02	4.00
6	HEL0080*±6HMA	4.00	4.00	4.00	-	4.00	4.00	4.00	4.00
6	HEL0100*±6HMA	4.03	4.03	4.03	-	4.03	4.03	4.03	4.03
6	HEL0130*±6HMA	4.06	4.06	4.06	-	4.06	4.06	4.06	4.06
6	HEL0155*±6HMA	4.09	4.09	4.09	-	4.09	4.09	4.09	4.09
6	HEL0170*±6HMA	4.10	4.10	4.10	-	4.10	4.10	4.10	4.10
6	HEL0205*±6HMA	4.14	4.14	4.14	-	4.14	4.14	4.14	4.14
6	HEL0240*±6HMA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.15
6	HEL0255*±6HMA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.15
6	HEL0310*±6HMA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.15
4	HEL0045*±4HMA	3.96	3.96	3.96	-	3.96	3.96	3.96	3.96
4	HEL0070*±4HMA	3.99	3.99	3.99	-	3.99	3.99	3.99	-
4	HEL0090*±4HMA	4.02	4.02	4.02	-	4.02	4.02	4.02	4.02
4	HEL0135*±4HMA	4.07	4.07	4.07	-	4.07	4.07	4.07	4.07
4	HEL0180*±4HMA	4.12	4.12	4.12	-	4.12	4.12	4.12	4.12
4	HEL0220*±4HMA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.15
4	HEL0275*±4HMA	4.15	4.15	4.15	-	4.15	4.15	4.15	4.15

Notes:

* = Electrical Code Designator (see Nomenclature details)

± = Refrigerant Designator (see Nomenclature details)

HOT GAS REVERSE CYCLE KITS

Shipped Loose Accessories

FPI	Model	TXV Bypass and Liquid Line Piping Kit (Reverse Cycle) For TXV's SBF/SQE/BBI/EG	TXV Liquid Line Piping Kit (Three Pipe or Rev Cycle w/o TXV Bypass) For TXV's SBF/SQE/BBI/EG	Suction/Drain Pan Check Valve Piping Kit (Reverse Cycle)	Drain Pan Check Valve Piping Kit (Three Pipe)
6	HEL0040*S6H^A	50756301	50756302	50692204	50692302
6	HEL0045*S6H^A	50756301	50756302	50692204	50692302
6	HEL0065*S6H^A	50756301	50756302	50692204	50692302
6	HEL0080*S6H^A	50756301	50756302	50692204	50692302
6	HEL0100*S6H^A	50756301	50756302	5069225	50692302
6	HEL0130*S6H^A	50756301	50756302	5069225	50692302
6	HEL0155*S6H^A	50756301	50756302	50692206	50692302
6	HEL0170*S6H^A	50756301	50756302	50692205	50692302
6	HEL0205*S6H^A	50756301	50756302	50692206	50692302
6	HEL0240*S6H^A	50756301	50756302	50692206	50692302
6	HEL0255*S6H^A	50756301	50756302	50692206	50692302
6	HEL0310*S6H^A	50756301	50756302	50692206	50692302
4	HEL0045*S4H^A	50756301	50756302	50692204	50692302
4	HEL0070*S4H^A	50756301	50756302	50692204	50692302
4	HEL0090*S4H^A	50756301	50756302	50692205	50692302
4	HEL0135*S4H^A	50756301	50756302	50692205	50692302
4	HEL0180*S4H^A	50756301	50756302	50692206	50692302
4	HEL0220*S4H^A	50756301	50756302	50692206	50692302
4	HEL0275*S4H^A	50756301	50756302	50692206	50692302

REVERSE CYCLE PIPING

Reverse cycle defrost unit cooler operation

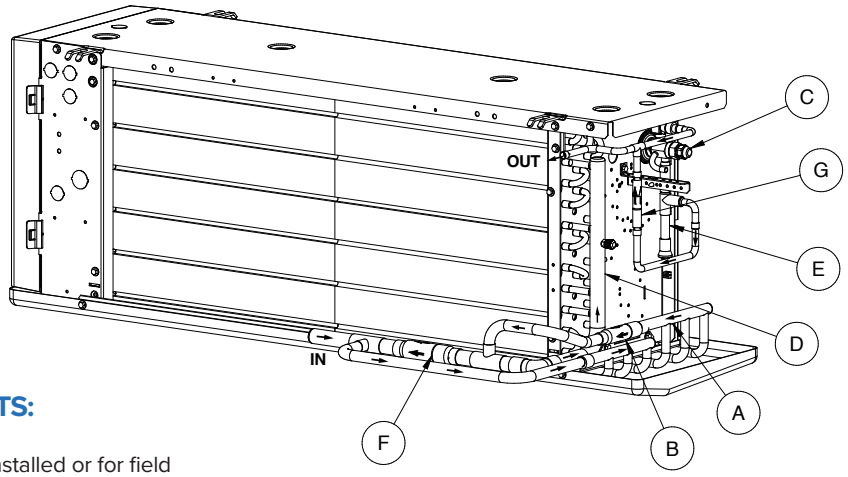
Reverse cycle defrost is a common method used in systems that include at least four unit coolers connected to a compressor rack. No more than 25% of the connected unit coolers are typically defrosted at the same time.

During reverse cycle, valving at the compressor rack diverts hot gas through the suction line to the defrosting unit cooler. See piping view in Figure 1. The suction line check valve directs the hot gas through the pan loop; heating the drain pan and preventing condensate from freezing during defrost. The hot gas exits the loop at the pan loop outlet header, passes through the drain pan check valve and enters the evaporator coil through the coil suction header. The hot refrigerant gas then flows through the defrosting coil, heating the finned surface and melting frost. As heat is transferred to the coil fins, hot refrigerant gas condenses to a liquid state. The refrigerant then exits the coil at the distributor side port, passes around the expansion valve through the bypass check valve and flows into the liquid refrigerant line. The liquid refrigerant then feeds other evaporators on the cooling cycle, evaporates, and returns to the compressor through their suction lines.

In some systems, electric drain pan heaters are used instead of a hot gas pan loop. Hot gas piping is simplified with the suction and drain pan check valves being eliminated. Electric drain pan heaters are energized during the defrost period, by a defrost control on the unit cooler or by a compressor rack controller.

REVERSE CYCLE DEFROST PIPING KEY COMPONENTS (FIG. 1)

A. Hot gas drain pan loop
B. Drain pan check valve
C. Expansion valve
D. Suction header
E. Distributor
F. Suction check valve
G. Expansion valve bypass check valve



REVERSE CYCLE DEFROST PIPING KITS:

External check valve kit (available factory-installed or for field installation) includes suction check valve, drain pan check valve and piping to connect to suction header and hot gas drain pan loop. This kit is only necessary when the unit cooler is equipped with a hot gas drain pan loop.

Expansion valve bypass kit (available factory-installed or for field installation) includes expansion valve bypass check valve and piping to connect to the distributor side port and liquid line piping. The factory-installed version includes the expansion valve.

Use of external liquid/suction line heat exchanger with a reverse cycle system:

To increase the efficiency, higher performance and greater system protection, a heat exchanger may be beneficial to the system. In order to use a heat exchanger, the expansion valve bypass piping must be modified. See the piping view in Figure 2. The modification includes rerouting the pipe from the expansion valve bypass check valve to the inlet connection of the liquid line to the heat exchanger. A pipe needs to be routed from the liquid line outlet connection of the heat exchanger to the inlet connection of the thermostatic expansion valve.

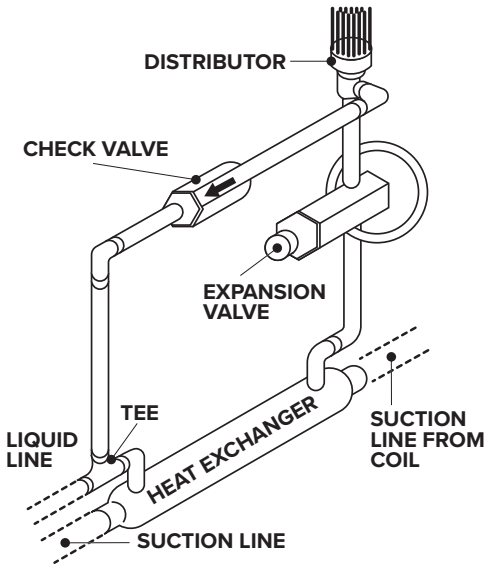


FIGURE 2. Typical Liquid Line Bypass Kit
(Shown assembled and modified for heat exchanger)

Three-pipe defrost unit cooler operation

Three-pipe defrost systems are connected to either a condensing unit or a compressor rack. No more than 33% of the connected unit coolers are typically defrosted at the same time.

During defrost, hot gas is directed through dedicated refrigerant piping (third pipe) to the defrosting unit cooler. See piping view in Figure 3. The hot gas enters the drain pan loop; heating the drain pan and preventing condensate from freezing during defrost. The hot gas exits the loop at the pan loop outlet header, passes through the drain pan check valve and enters the evaporator coil through the distributor side port connection. The hot refrigerant gas then flows though the defrosting coil, heating the finned surface and melting frost. As heat is transferred to the coil fins, hot refrigerant gas condensers to a liquid state. The refrigerant then exits the coil at the suction header.

Three-pipe defrost unit cooler operation (cont.)

In some systems, electric drain pan heaters are used instead of a hot gas pan loop. Hot gas piping is simplified with the drain pan check valve being eliminated. Electric drain pan heaters are energized during the defrost period, by a defrost control on the unit cooler or by a compressor rack controller.

In order to provide sufficient re-evaporation of the liquid vapor mixture and sufficient heat for defrost, no more than one-third of the system should be defrosted at one time. Some means of control in the 3-pipe hot gas system should be supplied to regulate the large amount of liquid returning to the compressor, refrigerant slugging can otherwise damage the compressor.

REVERSE CYCLE THREE-PIPE DEFROST PIPING KEY COMPONENTS (FIG. 3)

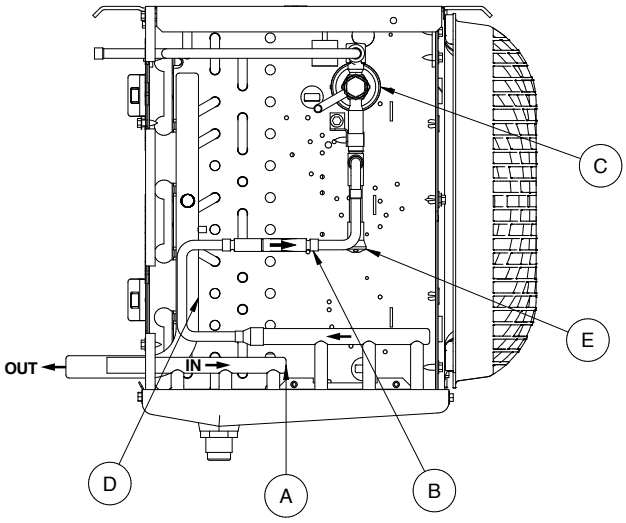
A. Hot gas drain pan loop

B. Drain pan check valve

C. Expansion valve

D. Suction header

E. Distributor



THREE-PIPE DEFROST PIPING KIT:

Three-pipe check valve kit (available factory-installed or for field installation) includes drain pan check valve and piping to connect the distributor side port to the hot gas drain pan loop. This kit is only necessary when the unit cooler is equipped with a hot gas drain pan loop.

Hot gas defrost controls:

Hot gas unit coolers are factory equipped with temperature control(s) that terminate the defrost cycle when the evaporator coil is clear of frost. After defrost, the control(s) keep the evaporator fans from re-energizing until the coil temperature is close to the freezing point.

STANDARD:

The standard control scheme includes an electromechanical defrost termination / fan delay control.

For reverse cycle defrost, the control sensing bulb is placed on the expansion valve bypass line, between the distributor side port and the expansion valve bypass check valve.

For three-pipe defrost, the control sensing bulb is placed on the suction header or suction header outlet connection.

OPTIONAL:

The optional control scheme includes an electromechanical defrost termination control and a separate bimetallic fan delay control. This scheme provides more options for the placement of the control sensing bulb as the defrost termination and fan delay sensing points are no longer combined.

The fan delay temperature is sensed on the evaporator coil endplate adjacent to the fins.

For reverse cycle defrost, the control sensing bulb is placed on the expansion valve bypass line or liquid line piping adjacent to the unit cooler.

For three-pipe defrost, the control sensing bulb is placed on the suction header or suction header outlet connection.

REPLACEMENT PARTS

Motor/Motor Mounts

Part #	Motor Type	Voltage	Motor Speeds	Motor Mount
25312501S / 25329001S	EC	115	1-SP / 2-SP	23108401*
25312601S / 25329101S	EC	208-230	2-SP	23108401*
25317701S	EC	208-230	1-SP	23108401
25309501S	PSC	115	1-SP	23108401
25309801S	PSC	208-230	1-SP	23108401
25309701S	PSC	460	1-SP	23106401

* = Consult factory when replacing motor mounts for motors 25329001S / 23529101S

Fan Blade

Part #	Description
5140C	Fan Blade 12" Std
5110E	Fan Blade 12" Reverse Air Flow

Fan Guard

Part #	Description
37001601	Fan Guard Wire Blue
37001801	Fan Guard Molded Blue

Cabinet Components

Part #	No. of Fans	Description	Defrost Type	Cabinet Aluminum	Application Notes
40594101	1	Drain Pan	Air/Hot Gas	Aluminum	Air, Hot Gas Models w/Drain Pan Loop
40595101	1	Drain Pan	Air/Hot Gas	White Painted Aluminum	Air, Hot Gas Models w/Drain Pan Loop
40596101	1	Drain Pan	Air/Hot Gas	Stainless Steel	Air Defrost Only
40594201	2	Drain Pan	Air/Hot Gas	Aluminum	Air, Hot Gas Models w/Drain Pan Loop
40595201	2	Drain Pan	Air/Hot Gas	White Painted Aluminum	Air, Hot Gas Models w/Drain Pan Loop
40596201	2	Drain Pan	Air/Hot Gas	Stainless Steel	Air Defrost Only
40594301	3	Drain Pan	Air/Hot Gas	Aluminum	Air, Hot Gas Models w/Drain Pan Loop
40595301	4	Drain Pan	Air/Hot Gas	White Painted Aluminum	Air, Hot Gas Models w/Drain Pan Loop
40596301	4	Drain Pan	Air/Hot Gas	Stainless Steel	Air Defrost Only
40594401	4	Drain Pan	Air/Hot Gas	Aluminum	Air, Hot Gas Models w/Drain Pan Loop
40595401	4	Drain Pan	Air/Hot Gas	White Painted Aluminum	Air, Hot Gas Models w/Drain Pan Loop
40596401	4	Drain Pan	Air/Hot Gas	Stainless Steel	Air Defrost Only
40594501	5	Drain Pan	Air/Hot Gas	Aluminum	Air, Hot Gas Models w/Drain Pan Loop
40595501	5	Drain Pan	Air/Hot Gas	White Painted Aluminum	Air, Hot Gas Models w/Drain Pan Loop
40596501	5	Drain Pan	Air/Hot Gas	Stainless Steel	Air Defrost Only
40594601	6	Drain Pan	Air/Hot Gas	Aluminum	Air, Hot Gas Models w/Drain Pan Loop
40595601	6	Drain Pan	Air/Hot Gas	White Painted Aluminum	Air, Hot Gas Models w/Drain Pan Loop
40596601	6	Drain Pan	Air/Hot Gas	Stainless Steel	Air Defrost Only

REPLACEMENT PARTS

Cabinet Components (cont.)

Part #	No. of Fans	Description	Defrost Type	Cabinet Aluminum	Application Notes
40594102	1	Drain Pan	Electric/Hot Gas	Aluminum	Elec, Hot Gas Models w/Drain Pan Heater
40595102	1	Drain Pan	Electric/Hot Gas	White Painted Aluminum	Elec, Hot Gas Models w/Drain Pan Heater
40594202	2	Drain Pan	Electric/Hot Gas	Aluminum	Elec, Hot Gas Models w/Drain Pan Heater
40595202	2	Drain Pan	Electric/Hot Gas	White Painted Aluminum	Elec, Hot Gas Models w/Drain Pan Heater
40594302	3	Drain Pan	Electric/Hot Gas	Aluminum	Elec, Hot Gas Models w/Drain Pan Heater
40595302	3	Drain Pan	Electric/Hot Gas	White Painted Aluminum	Elec, Hot Gas Models w/Drain Pan Heater
40594402	4	Drain Pan	Electric/Hot Gas	Aluminum	Elec, Hot Gas Models w/Drain Pan Heater
40595402	4	Drain Pan	Electric/Hot Gas	White Painted Aluminum	Elec, Hot Gas Models w/Drain Pan Heater
40594502	5	Drain Pan	Electric/Hot Gas	Aluminum	Elec, Hot Gas Models w/Drain Pan Heater
40595502	5	Drain Pan	Electric/Hot Gas	White Painted Aluminum	Elec, Hot Gas Models w/Drain Pan Heater
40594602	6	Drain Pan	Electric/Hot Gas	Aluminum	Elec, Hot Gas Models w/Drain Pan Heater
40595602	6	Drain Pan	Electric/Hot Gas	White Painted Aluminum	Elec, Hot Gas Models w/Drain Pan Heater
40593703	1	Insulated Outer Drain Pan Assy	All	Aluminum	Includes Outer Cover and Insulation
40593704	1	Insulated Outer Drain Pan Assy	All	White Painted Aluminum	Includes Outer Cover and Insulation
40593002	1	Insulated Outer Drain Pan Assy	All	Stainless Steel	Includes Outer Cover and Insulation
40593803	2	Insulated Outer Drain Pan Assy	All	Aluminum	Includes Outer Cover and Insulation
40593804	2	Insulated Outer Drain Pan Assy	All	White Painted Aluminum	Includes Outer Cover and Insulation
40593102	2	Insulated Outer Drain Pan Assy	All	Stainless Steel	Includes Outer Cover and Insulation
40591503	3	Insulated Outer Drain Pan Assy	All	Aluminum	Includes Outer Cover and Insulation
40591504	3	Insulated Outer Drain Pan Assy	All	White Painted Aluminum	Includes Outer Cover and Insulation
40593202	3	Insulated Outer Drain Pan Assy	All	Stainless Steel	Includes Outer Cover and Insulation
40591603	4	Insulated Outer Drain Pan Assy	All	Aluminum	Includes Outer Cover and Insulation
40591604	4	Insulated Outer Drain Pan Assy	All	White Painted Aluminum	Includes Outer Cover and Insulation
40593302	4	Insulated Outer Drain Pan Assy	All	Stainless Steel	Includes Outer Cover and Insulation
40591703	5	Insulated Outer Drain Pan Assy	All	Aluminum	Includes Outer Cover and Insulation
40591704	5	Insulated Outer Drain Pan Assy	All	White Painted Aluminum	Includes Outer Cover and Insulation
40593402	5	Insulated Outer Drain Pan Assy	All	Stainless Steel	Includes Outer Cover and Insulation
40591803	6	Insulated Outer Drain Pan Assy	All	Aluminum	Includes Outer Cover and Insulation

REPLACEMENT PARTS

Cabinet Components (cont.)

Part #	No. of Fans	Description	Defrost Type	Cabinet Aluminum	Application Notes
40591804	6	Insulated Outer Drain Pan Assy	All	White Painted Aluminum	Includes Outer Cover and Insulation
40593502	6	Insulated Outer Drain Pan Assy	All	Stainless Steel	Includes Outer Cover and Insulation
41032901	All	Access Panel RH (Elect) End	All	Aluminum/Stainless Steel	All w/Unpainted Cabinet
41032902	All	Access Panel RH (Elect) End	All	White Painted Aluminum	All w/White Cabinet
41032801	All	Access Panel LH (Refrig) End	All	Aluminum/Stainless Steel	Stndard w/Unpainted Cabinet
41032802	All	Access Panel LH (Refrig) End	All	White Painted Aluminum	Standard w/White Cabinet
41032803	All	Access Panel LH (Refrig) End	Air/Electric	Aluminum/Stainless Steel	IntelliGen/QRC/Beacon II w/Unpainted Cabinet
41032804	All	Access Panel LH (Refrig) End	Air/Electric	White Painted Aluminum	IntelliGen/QRC/Beacon II w/White Cabinet
41038401	All	Access Panel LH (Refrig) End	Air/Electric	Aluminum	Glycol/CO_2 Overfeed Only
41038402	All	Access Panel LH (Refrig) End	Air/Electric	White Painted Aluminum	Glycol/CO_2 Overfeed Only
41038501	All	Access Panel LH (Refrig) End	Air/Electric	Stainless Steel	Glycol/CO_2 Overfeed Only
41038701	All	Access Panel RH (Elect) End	Air/Electric	Aluminum	Glycol/CO_2
41038702	All	Access Panel RH (Elect) End	Air/Electric	White Painted Aluminum	Glycol/CO_2
41038901	All	Access Panel RH (Elect) End	Air/Electric	Stainless Steel	Glycol/CO_2

Drain Pan Heaters

Part #	No. of Fans	Voltage	Wattage	Defrost Type	Application Notes
24753101	1	115	150	Hot Gas	Hot Gas Models w/Drain Pan Heater
24753102	2	115	300	Hot Gas	Hot Gas Models w/Drain Pan Heater
24753103	3	115	450	Hot Gas	Hot Gas Models w/Drain Pan Heater
24753104	4	115	600	Hot Gas	Hot Gas Models w/Drain Pan Heater
24753105	5	115	750	Hot Gas	Hot Gas Models w/Drain Pan Heater
24753106	6	115	900	Hot Gas	Hot Gas Models w/Drain Pan Heater
24752501	1	230	150	Electric /Hot Gas	Elec, Hot Gas Models w/Drain Pan Heater
24752502	2	230	300	Electric /Hot Gas	Elec, Hot Gas Models w/Drain Pan Heater
24752503	3	230	450	Electric /Hot Gas	Elec, Hot Gas Models w/Drain Pan Heater
24752504	4	230	600	Electric /Hot Gas	Elec, Hot Gas Models w/Drain Pan Heater
24752505	5	230	750	Electric /Hot Gas	Elec, Hot Gas Models w/Drain Pan Heater
24752506	6	230	900	Electric /Hot Gas	Elec, Hot Gas Models w/Drain Pan Heater
24753201	1	460	150	Hot Gas	Hot Gas Models w/Drain Pan Heater
24753202	2	460	300	Hot Gas	Hot Gas Models w/Drain Pan Heater
24753203	3	460	450	Hot Gas	Hot Gas Models w/Drain Pan Heater
24753204	4	460	600	Hot Gas	Hot Gas Models w/Drain Pan Heater
24753205	5	460	750	Hot Gas	Hot Gas Models w/Drain Pan Heater
24753206	6	460	900	Hot Gas	Hot Gas Models w/Drain Pan Heater

REPLACEMENT PARTS

Coil Defrost Heaters

Part #	No. of Fans	Voltage	Wattage	Defrost Type
24752001	1	230	300	Electric
24752002	2	230	600	Electric
24752003	3	230	900	Electric
24752004	4	230	1,200	Electric
24752005	5	230	1,500	Electric
24752006	6	230	1,800	Electric
24754101*	1	230	150	Electric
24754102*	2	230	300	Electric
24754103*	3	230	450	Electric
24754104*	4	230	600	Electric
24754105*	5	230	750	Electric
24754106*	6	230	900	Electric

* = One used per 460V unit only, top coil heater position

Electrical Components

Part #	Description	Defrost Type	Application Notes
22597101	Terminal Board	Air	All
22597701	Terminal Board	Electric/Hot Gas	All
5709L	Defrost Termination/Fan Delay Thermostat	Electric	Fixed Bi-Metallic Control
5708L	Heater Limit Thermostat	Electric	Fixed Bi-Metallic Control
4267W	Defrost Termination/Fan Delay Thermostat	Electric/Hot Gas	Adjustable Control
28913901	Room Thermostat	Air/Electric	Room Thermostat Mech
28963201	Room Thermostat	Air/Electric	Room Thermostat Elec

Drain Fitting

Part #	Description	Application Notes
26925101	Drain Fitting Kit	All

A2L Refrigeration Detection System

Part #	Description
A2L Refrigeration Detection System (RDS) Kit	
89727501	ASSY-A2L RDS FIELD INSTALL, LOP
Field Installed Safety Shut Off Valve	
90050201	ASSY-A2L SOLENOID SGUT-OFF VLV 3/8 LIQ-1
90050202	ASSY-A2L SOLENOID SGUT-OFF VLV 3/8 LIQ-2
Field Installed Safety Check Valve	
90050302	ASSY-A2L CHECK SHUT-OFF VALVE 5/8 SUC
90050303	ASSY-A2L CHECK SHUT-OFF VALVE 7/8 SUC
90050304	ASSY-A2L CHECK SHUT-OFF VALVE 1-1/8 SUC

Part #	Description
A2L Mitigation Sensor (Replacement Part)	
89724501	ASSY-LP, A2L LEAK SENSOR KIT
A2L Mitigation Controller (Replacement Part)	
89724501	ASSY-LP, A2L RDS CONTROL BOARD KIT
Control Power Transformer	
22529601	TRANSFORMER, 120V-24V 40 VA
22529602	TRANSFORMER, 208V/240V-24V 40 VA

STANDARD NOZZLE SELECTION

Air Defrost

Medium Temperature (25°F SST)											
Model	No. of Fans	Distributor Tube (in.)		No. of Circuits	Nozzle Selections						
		OD	Length		R-404A/ R-507A	R-448A/ R-449A	R-407A/ R-407F	R-407C	R-454A	R-454C	R-455A
HEL0045*±6A^A	1	3/16	15	1	-	-	-	-	-	-	-
HEL0055*±6A^A	1	3/16	15	2	L-1/3	L-1/2	L-1/3	L-1/3	L-1/3	L-1/3	L-1/2
HEL0060*±6A^A	1	3/16	15	2	L-1/2	L-3/4	L-1/2	L-1/2	L-1/2	L-1/2	L-1/2
HEL0095*±6A^A	2	3/16	15	2	L-1/2	L-3/4	L-1/2	L-1/2	L-1/2	L-1/2	L- 3/4
HEL0105*±6A^A	2	3/16	15	3	L-3/4	L-1	L-3/4	L-3/4	L-3/4	L-3/4	L-1
HEL0115*±6A^A	2	3/16	15	4	L-1	L-1 1/2	L-1	L-1	L-3/4	L-3/4	L-1
HEL0125*±6A^A	2	3/16	15	4	L-1	L-1 1/2	L-1	L-1	L-1	L-3/4	L-1
HEL0155*±6A^A	3	3/16	15	4	L-1	L-1 1/2	L-1	L-1	L-1	L-1	L-1 1/2
HEL0190*±6A^A	3	3/16	15	6	L-1 1/2	L-2	L-1 1/2	L-1 1/2	L-1 1/2	L-1 1/2	L-1 1/2
HEL0250*±6A^A	4	3/16	15	6	L-1 1/2	L-2	L-1 1/2	L-1 1/2	L-1 1/2	L-1 1/2	L-2
HEL0295*±6A^A	5	3/16	15	6	L-2	L-2 1/2	L-1 1/2	L-1 1/2	L-2	L-1 1/2	L-2
HEL0350*±6A^A	6	3/16	15	7	L-2	L-3	L-2	L-2	L-2	L-2	L-2 1/2
HEL0380*±6A^A	6	3/16	15	8	L-2 1/2	L-3	L-2 1/2	L-2 1/2	L-2 1/2	L-2 1/2	L-3

Notes:
Nozzles sized for 90-100°F liquid temperature at expansion valve.
Contact Application Engineering for guidance if:
- Liquid temperature is not 90-100°F
- Evaporator TD is not 10°-15°F (room temperature – saturated suction temperature)

Caution: Refrigeration system will not perform properly without correct nozzle
* = Electrical Code Designator (see Nomenclature details)
± = Refrigerant Designator

STANDARD NOZZLE SELECTION

Electric Defrost

Low Temperature (-20°F SST)

Model	No. of Fans	Distributor Tube (in.)		No. of Circuits	Nozzle Selections						
		OD	Length		R-404A/ R-507A	R-448A/ R-449A	R-407A/ R-407F	R-407C	R-454A	R-454C	R-455A
HEL0040*±6E^A	1	3/16	15	2	L-1/2	L-3/4	L-1/2	-	L-1/3	L-1/3	L-1/2
HEL0045*±6E^A	1	3/16	15	2	L-3/4	L-3/4	L-1/2	-	L-1/2	L-1/2	L-3/4
HEL0065*±6E^A	2	3/16	15	3	L-3/4	L-1	L-3/4	-	L-3/4	L-3/4	L-3/4
HEL0080*±6E^A	2	3/16	15	3	L-1	L-1 1/2	L-1	-	L-3/4	L-3/4	L-1
HEL0100*±6E^A	2	3/16	15	6	L-1 1/2	L-1 1/2	L-1	-	L-1	L-1	L-1 1/2
HEL0130*±6E^A	3	3/16	15	6	L-1 1/2	L-2	L-1 1/2	-	L-1 1/2	L-1 1/2	L-1 1/2
HEL0155*±6E^A	3	3/16	15	8	L-2	L-2 1/2	L-2	-	L-1 1/2	L-1 1/2	L-2
HEL0170*±6E^A	4	3/16	15	6	L-2	L-2 1/2	L-2	-	L-2	L-2	L-2
HEL0205*±6E^A	4	3/16	15	8	L-2 1/2	L-3	L-2	-	L-2	L-2	L-2
HEL0240*±6E^A	5	3/16	15	8	L-2 1/2	L-4	L-2 1/2	-	L-2	L-2	L-2 1/2
HEL0255*±6E^A	6	3/16	15	9	L-3	L-4	L-3	-	L-2 1/2	L-2 1/2	L-3
HEL0310*±6E^A	6	3/16	15	12	L-4	L-5	L-3	-	L-3	L-3	L-4
HEL0045*±4E^A	1	3/16	15	2	L-1/2	L-3/4	L-1/2	-	L-1/2	L-1/2	L-1/2
HEL0070*±4E^A	2	3/16	15	3	L-3/4	L-1	L-3/4	-	L-3/4	L-3/4	L-3/4
HEL0090*±4E^A	2	3/16	15	6	L-1	L-1 1/2	L-1	-	L-1	L-1	L-1
HEL0135*±4E^A	3	3/16	15	6	L-1 1/2	L-2	L-1 1/2	-	L-1 1/2	L-1 1/2	L-1 1/2
HEL0180*±4E^A	4	3/16	15	8	L-2	L-2 1/2	L-2	-	L-1 1/2	L-1 1/2	L-2
HEL0220*±4E^A	5	3/16	15	8	L-2	L-3	L-2	-	L-2	L-2	L-2
HEL0275*±4E^A	6	3/16	15	12	L-3	L-4	L-3	-	L-2 1/2	L-2 1/2	L-3

Medium Temperature (25°F SST)

Model	No. of Fans	Distributor Tube (in.)		No. of Circuits	Nozzle Selections						
		OD	Length		R-404A/ R-507A	R-448A/ R-449A	R-407A/ R-407F	R-407C	R-454A	R-454C	R-455A
HEL0040*±6E^A	1	3/16	15	2	L-1/4	L-1/3	L-1/4	L-1/4	L-1/4	L-1/4	L-1/4
HEL0045*±6E^A	1	3/16	15	2	L-1/3	L-1/2	L-1/3	L-1/3	L-1/3	L-1/3	L-1/3
HEL0065*±6E^A	2	3/16	15	3	L-1/2	L-3/4	L-1/2	L-1/2	L-1/2	L-1/2	L-1/2
HEL0080*±6E^A	2	3/16	15	3	L-3/4	L-3/4	L-1/2	L-1/2	L-1/2	L-1/2	L-3/4
HEL0100*±6E^A	2	3/16	15	6	L-3/4	L-1	L-3/4	L-3/4	L-3/4	L-3/4	L-3/4
HEL0130*±6E^A	3	3/16	15	6	L-1	L-1 1/2	L-1	L-1	L-1	L-1	L-1
HEL0155*±6E^A	3	3/16	15	8	L-1	L-1 1/2	L-1	L-1	L-1	L-1	L-1 1/2
HEL0170*±6E^A	4	3/16	15	6	L-1 1/2	L-1 1/2	L-1 1/2	L-1 1/2	L-1 1/2	L-1 1/2	L-1 1/2
HEL0205*±6E^A	4	3/16	15	8	L-1 1/2	L-2	L-1 1/2	L-1 1/2	L-1 1/2	L-1 1/2	L-1 1/2
HEL0240*±6E^A	5	3/16	15	8	L-1 1/2	L-2	L-1 1/2	L-1 1/2	L-1 1/2	L-1 1/2	L-2
HEL0255*±6E^A	6	3/16	15	9	L-2	L-2 1/2	L-2	L-2	L-2	L-2	L-2
HEL0310*±6E^A	6	3/16	15	12	L-2	L-3	L-2	L-2	L-2	L-2	L-2 1/2
HEL0045*±4E^A	1	3/16	15	2	L-1/3	L-1/2	L-1/4	L-1/4	L-1/4	L-1/4	L-1/3
HEL0070*±4E^A	2	3/16	15	3	L-1/2	L-3/4	L-1/2	L-1/2	L-1/2	L-1/2	L-3/4
HEL0090*±4E^A	2	3/16	15	6	L-3/4	L-3/4	L-3/4	L-3/4	L-3/4	L-3/4	L-3/4
HEL0135*±4E^A	3	3/16	15	6	L-3/4	L-1	L-3/4	L-3/4	L-3/4	L-3/4	L-1
HEL0180*±4E^A	4	3/16	15	8	L-1	L-1-1/2	L-1	L-1	L-1	L-1	L-1 1/2
HEL0220*±4E^A	5	3/16	15	8	L-1 1/2	L-2	L-1 1/2	L-1 1/2	L-1 1/2	L-1 1/2	L-1 1/2
HEL0275*±4E^A	6	3/16	15	12	L-2	L-2 1/2	L-2	L-2	L-2	L-2	L-2

Notes:

Nozzles sized for 90-100°F liquid temperature at expansion valve.
Contact Application Engineering for guidance if:
- Liquid temperature is not 90-100°F
- Evaporator TD is not 10°-15°F (room temperature – saturated suction temperature)

Caution: Refrigeration system will not perform properly without correct nozzle
* = Electrical Code Designator (see Nomenclature details)
± = Refrigerant Designator

STANDARD NOZZLE SELECTION

Hot Gas Defrost

Low Temperature (-20°F SST)

Model	No. of Fans	Distributor Tube (in.)		No. of Circuits	Nozzle Selections						
		OD	Length		R-404A/ R-507A	R-448A/ R-449A	R-407A/ R-407F	R-407C	R-454A	R-454C	R-455A
HEL0040*±6H^A	1	3/16	15	2	L-1/2	L-3/4	L-1/2	-	L-1/3	L-1/3	L-1/2
HEL0045*±6H^A	1	3/16	15	2	L-3/4	L-3/4	L-1/2	-	L-1/2	L-1/2	L-3/4
HEL0065*±6H^A	2	3/16	15	3	L-3/4	L-1	L-3/4	-	L-3/4	L-3/4	L-3/4
HEL0080*±6H^A	2	3/16	15	3	L-1	L-1 1/2	L-1	-	L-3/4	L-3/4	L-1
HEL0100*±6H^A	2	3/16	15	6	L-1 1/2	L-1 1/2	L-1	-	L-1	L-1	L-1 1/2
HEL0130*±6H^A	3	3/16	15	6	L-1 1/2	L-2	L-1 1/2	-	L-1 1/2	L-1 1/2	L-1 1/2
HEL0155*±6H^A	3	3/16	15	8	L-2	L-2 1/2	L-2	-	L-1 1/2	L-1 1/2	L-2
HEL0170*±6H^A	4	3/16	15	6	L-2	L-2 1/2	L-2	-	L-2	L-2	L-2
HEL0205*±6H^A	4	3/16	15	8	L-2 1/2	L-3	L-2	-	L-2	L-2	L-2
HEL0240*±6H^A	5	3/16	15	8	L-2 1/2	L-4	L-2 1/2	-	L-2	L-2	L-2 1/2
HEL0255*±6H^A	6	3/16	15	9	L-3	L-4	L-3	-	L-2 1/2	L-2 1/2	L-3
HEL0310*±6H^A	6	3/16	15	12	L-4	L-5	L-3	-	L-3	L-3	L-4
HEL0045*±4H^A	1	3/16	15	2	L-1/2	L-3/4	L-1/2	-	L-1/2	L-1/2	L-1/2
HEL0070*±4H^A	2	3/16	15	3	L-3/4	L-1	L-3/4	-	L-3/4	L-3/4	L-3/4
HEL0090*±4H^A	2	3/16	15	6	L-1	L-1 1/2	L-1	-	L-1	L-1	L-1
HEL0135*±4H^A	3	3/16	15	6	L-1 1/2	L-2	L-1 1/2	-	L-1 1/2	L-1 1/2	L-1 1/2
HEL0180*±4H^A	4	3/16	15	8	L-2	L-2 1/2	L-2	-	L-1 1/2	L-1 1/2	L-2
HEL0220*±4H^A	5	3/16	15	8	L-2	L-3	L-2	-	L-2	L-/2	L-2
HEL0275*±4H^A	6	3/16	15	12	L-3	L-4	L-3	-	L-2 1/2	L-2 1/2	L-3

Medium Temperature (25°F SST)

Model	No. of Fans	Distributor Tube (in.)		No. of Circuits	Nozzle Selections						
		OD	Length		R-404A/ R-507A	R-448A/ R-449A	R-407A/ R-407F	R-407C	R-454A	R-454C	R-455A
HEL0040*±6H^A	1	3/16	15	2	L-1/4	L-1/3	L-1/4	L-1/4	L-1/4	L-1/4	L-1/4
HEL0045*±6H^A	1	3/16	15	2	L-1/3	L-1/2	L-1/3	L-1/3	L-1/3	L-1/3	L-1/3
HEL0065*±6H^A	2	3/16	15	3	L-1/2	L-3/4	L-1/2	L-1/2	L-1/2	L-1/2	L-1/2
HEL0080*±6H^A	2	3/16	15	3	L-3/4	L-3/4	L-1/2	L-1/2	L-1/2	L-1/2	L-3/4
HEL0100*±6H^A	2	3/16	15	6	L-3/4	L-1	L-3/4	L-3/4	L-3/4	L-3/4	L-3/4
HEL0130*±6H^A	3	3/16	15	6	L-1	L-1 1/2	L-1	L-1	L-1	L-1	L-1
HEL0155*±6H^A	3	3/16	15	8	L-1	L-1 1/2	L-1	L-1	L-1	L-1	L-1 1/2
HEL0170*±6H^A	4	3/16	15	6	L-1 1/2	L-1 1/2	L-1 1/2	L-1 1/2	L-1 1/2	L-1 1/2	L-1 1/2
HEL0205*±6H^A	4	3/16	15	8	L-1 1/2	L-2	L-1 1/2	L-1 1/2	L-1 1/2	L-1 1/2	L-1 1/2
HEL0240*±6H^A	5	3/16	15	8	L-1 1/2	L-2	L-1 1/2	L-1 1/2	L-1 1/2	L-1 1/2	L-2
HEL0255*±6H^A	6	3/16	15	9	L-2	L-2 1/2	L-2	L-2	L-2	L-2	L-2
HEL0310*±6H^A	6	3/16	15	12	L-2	L-3	L-2	L-2	L-2	L-2	L-2 1/2
HEL0045*±4H^A	1	3/16	15	2	L-1/3	L-1/2	L-1/4	L-1/4	L-1/4	L-1/4	L-1/3
HEL0070*±4H^A	2	3/16	15	3	L-1/2	L-3/4	L-1/2	L-1/2	L-1/2	L-1/2	L-3/4
HEL0090*±4H^A	2	3/16	15	6	L-3/4	L-3/4	L-3/4	L-3/4	L-3/4	L-3/4	L-3/4
HEL0135*±4H^A	3	3/16	15	6	L-3/4	L-1	L-3/4	L-3/4	L-3/4	L-3/4	L-1
HEL0180*±4H^A	4	3/16	15	8	L-1	L-1 1/2	L-1	L-1	L-1	L-1	L-1 1/2
HEL0220*±4H^A	5	3/16	15	8	L-1 1/2	L-2	L-1 1/2	L-1 1/2	L-1 1/2	L-1 1/2	L-1 1/2
HEL0275*±4H^A	6	3/16	15	12	L-2	L-2 1/2	L-2	L-2	L-2	L-2	L-2

Notes:
Nozzles sized for 90-100°F liquid temperature at expansion valve.
Contact Application Engineering for guidance if:
- Liquid temperature is not 90-100°F
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NOTES

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

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