



BN-CUCTB May 2015
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UNIT COOLERS FOR CO₂ SYSTEMS

Technical Guide

Low Profile • Medium Profile • Low Velocity • Center Mount



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Nomenclature

Medium Temperature Overfeed

ADT	R	065	BE	K
Model Series	Type	Capacity	Electrical Code	Design Revision
ADT = Low Profile Air Defrost, 6 FPI LET = Low Profile Electric Defrost, 6 FPI BMA = Medium Profile Air Defrost, 6 FPI BME = Medium Profile Electric Defrost, 6 FPI WKA = Low Velocity Center Mount Air Defrost, 6 FPI WKE = Low Velocity Center Mount Electric Defrost, 6 FPI	R = CO ₂ , Medium Temperature Overfeed/ Recirculation	# x 100 = BTUH	AE = 115/1/60 BE = 208-230/1/60 CE = 208-230/3/60 M = 460/1/60 D = 460/3/60	(Varies depending on model series)

Low Temperature Liquid Overfeed

LET	X	090	BE	K
Model Series	Type	Capacity	Electrical Code	Design Revision
LET = Low Profile Air Defrost, 6 FPI LLE = Low Profile Electric Defrost, 4.5 FPI BME = Medium Profile Air Defrost, 6 FPI BML = Medium Profile Electric Defrost, 4.5 FPI SME = Center Mount Electric Defrost, 6 FPI	X = Low Temperature Liquid Overfeed/ Recirculation	# x 100 = BTUH	BE = 208-230/1/60 CE = 208-230/3/60 M = 460/1/60 D = 460/3/60	(Varies depending on model series)

* Except BMA, BME, BML

Medium Temperature DX

ADT	Y	065	BE	K
Model Series	Type	Capacity	Electrical Code	Design Revision
ADT = Low Profile Air Defrost, 6 FPI LET = Low Profile Electric Defrost, 6 FPI BMA = Medium Profile Air Defrost, 6 FPI BME = Medium Profile Electric Defrost, 6 FPI WKA = Low Velocity Center Mount Air Defrost, 6 FPI WKE = Low Velocity Center Mount Electric Defrost, 6 FPI	Y = CO ₂ , Medium Temperature Direct Expansion	# x 100 = BTUH	AE = 115/1/60 BE = 208-230/1/60 CE = 208-230/3/60 M = 460/1/60 D = 460/3/60	<i>(Varies depending on model series)</i>

Low Temperature DX

LET	C	090	BE	K
Model Series	Type	Capacity	Electrical Code	Design Revision
LET = Low Profile Electric Defrost, 6 FPI LLE = Low Profile Electric Defrost, 4.5 FPI BML = Medium Profile Electric Defrost, 4.5 FPI BME = Medium Profile Electric Defrost, 6 FPI SME = Center Mount Electric Defrost, 6 FPI	C = CO ₂ , Low Temperature Direct Expansion	# x 100 = BTUH	BE = 208-230/1/60 CE = 208-230/3/60 M = 460/1/60 D = 460/3/60	<i>(Varies depending on model series)</i>

* Except BMA, BME, BML

Features & Benefits

The models featured here are specifically designed for use with carbon dioxide (CO₂) refrigeration systems, which are optimized for lifecycle climate performance (LCCP). Carbon dioxide refrigeration systems have zero ozone depletion potential and a very low global warming potential. The evaporators described in this technical guide are UL listed for the US and Canada and meet NSF standards.

LOW VELOCITY	LOW PROFILE	MEDIUM PROFILE	CENTER MOUNT
CABINET			
Low air velocity helps to maintain high humidities and prevent product drying and weight loss; low sound makes a comfortable working environment	Minimal height of the low profile series makes it ideal for low ceiling coolers, allowing for maximum headroom and more product storage	Heavy-duty design is ideal for larger walk-in coolers and freezers	Air moves across the ceiling in both directions providing even air distribution throughout the cooler. Compact, ceiling mount design allows for shelving and storage of product around walls.
Textured aluminum cabinet for maximum durability	Textured aluminum cabinet design features front access panels on each side for easy access to electrical and refrigeration components	Textured aluminum cabinet for maximum durability	Heavy-gauge grained aluminum cabinet cleans easily and looks attractive
All electrical components factory wired to terminal board and identified, making it easy to field wire the unit.			
Internal panels are "isolated" which provides for quiet unit operation			
HEATERS AND COIL			
Heater/fan control is factory set and wired			
Coils are dehydrated and sealed at the factory			
Sweat connections to reduce potential for leaks			
GUARDS AND MOTORS			
Wire fan guards with PVC coating are standard and provide added durability	Featuring plastic guards and a motor mount design that is optimized to minimize vibration	Standard molded fan guards provide excellent air throw (optional wire fan guard for diffused air pattern)	Wire fan guards with PVC coating for durability
Energy-efficient EC motors are standard (Totally Enclosed)			
Motors plug into wiring harness for easier servicing			
DRAIN PAN			
Double drain pan eliminates drain pan swelling and tapered mounting provides proper slope for condensate drainage to one end of the unit	Optimized drain fitting position	Front hinged drain pan for easy access	Double drain pan eliminates drain pan swelling and tapered mounting provides proper slope for condensate drainage to one end of the unit
OPTIONS			
–	–	575 volt units available	–
Available in stainless steel cabinets and/or drain pan			
Copper fin or coil coating (available for air defrost only)			

Medium Temperature Overfeed Low Profile

Capacities Air Defrost

Model	Capacity	Fan Data		Fan Motor Data (EC)				
	10°F TD 25°F SST	No.	CFM	HP	115/1/60		208-230/1/60	
	BTUH				Amps	Watts	Amps	Watts
ADTR040	4,000	1	650	1/15	0.9	57	0.5	59
ADTR052	5,200	1	700	1/15	0.9	57	0.5	59
ADTR065	6,500	1	650	1/15	0.9	57	0.5	59
ADTR070	7,000	2	1,460	1/15	1.8	114	1.0	118
ADTR090	9,000	2	1,400	1/15	1.8	114	1.0	118
ADTR104	10,400	2	1,400	1/15	1.8	114	1.0	118
ADTR120	12,000	2	1,300	1/15	1.8	114	1.0	118
ADTR130	13,000	2	1,300	1/15	1.8	114	1.0	118
ADTR140	14,000	2	2,100	1/15	2.7	171	1.5	177
ADTR156	15,600	3	2,100	1/15	2.7	171	1.5	177
ADTR180	18,000	3	1,950	1/15	2.7	171	1.5	177
ADTR208	20,800	4	2,800	1/15	3.6	228	2.0	236
ADTR260	26,000	5	3,250	1/15	4.5	285	2.5	295
ADTR312	31,200	6	3,900	1/15	5.4	342	3.0	354
ADTR370	37,000	6	3,900	1/15	5.4	342	3.0	354

Capacities Electric Defrost

Model	Capacity	Fan Data		Fan Motor Data (EC)			Defrost Heaters		
	10°F TD 25°F SST	No.	CFM	HP	208-230/1/60		Watts	230/1/60	230/3/60
	BTUH				Amps	Watts		Amps	Amps
LETR035	4,025	1	700	1/15	0.5	59	900	3.9	2.3
LETR040	4,600	1	700	1/15	0.5	59	900	3.9	2.3
LETR047	5,405	1	650	1/15	0.5	59	900	3.9	2.3
LETR065	7,475	2	1,400	1/15	1.0	118	1,800	7.8	4.5
LETR075	8,625	2	1,300	1/15	1.0	118	1,800	7.8	4.5
LETR090	10,350	2	1,300	1/15	1.0	118	1,800	7.8	4.5
LETR120	13,800	3	2,100	1/15	1.5	177	2,700	11.7	6.8
LETR140	16,100	3	1,950	1/15	1.5	177	2,700	11.7	6.8
LETR160	18,400	4	2,600	1/15	2.0	236	3,600	15.7	9.0
LETR180	20,700	4	2,600	1/15	2.0	236	3,600	15.7	9.0
LETR200	23,000	6	3,900	1/15	3.0	354	5,400	23.5	13.6
LETR240	27,600	6	3,900	1/15	3.0	354	5,400	23.5	13.6
LETR280	32,200	6	3,900	1/15	3.0	354	5,400	23.5	13.6

Physical Data Air & Electric Defrost

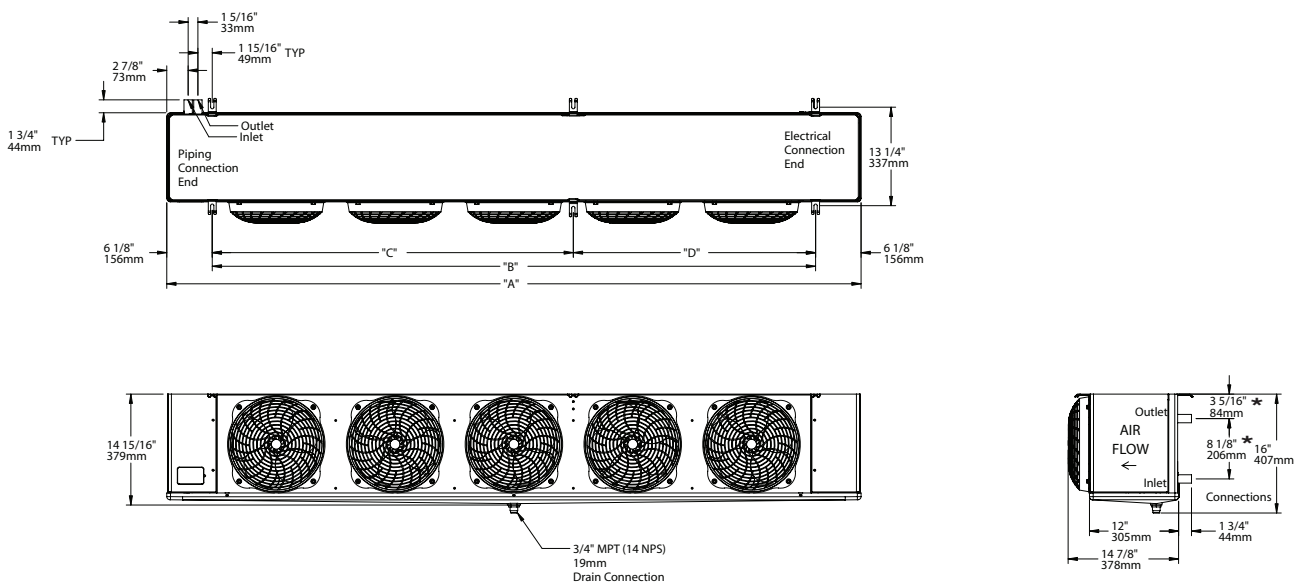
Model	No. of Fans	Coil Data (Overfeed:2)			Condensate Drain	Defrost Type	Approx. Net Wt.
		FPI	Coil Inlet	Coil Outlet			lbs.
ADTR040	1	6	3/8	3/8	3/4 FPT	Air	28
ADTR052	1	6	3/8	3/8	3/4 FPT	Air	31
ADTR065	1	6	3/8	3/8	3/4 FPT	Air	34
ADTR070	2	6	3/8	3/8	3/4 FPT	Air	45
ADTR090	2	6	3/8	3/8	3/4 FPT	Air	48
ADTR104	2	6	3/8	3/8	3/4 FPT	Air	49
ADTR120	2	6	3/8	3/8	3/4 FPT	Air	51

Medium Temperature Overfeed Low Profile

Physical Data Air & Electric Defrost (Continued)

Model	No. of Fans	Coil Data (Overfeed:2)			Condensate Drain	Defrost Type	Approx. Net Wt. lbs.
		FPI	Coil Inlet	Coil Outlet			
ADTR130	2	6	3/8	3/8	3/4 FPT	Air	53
ADTR140	2	6	3/8	3/8	3/4 FPT	Air	63
ADTR156	3	6	3/8	3/8	3/4 FPT	Air	67
ADTR180	3	6	3/8	3/8	3/4 FPT	Air	69
ADTR208	4	6	1/2	1/2	3/4 FPT	Air	82
ADTR260	5	6	1/2	1/2	3/4 FPT	Air	103
ADTR312	6	6	1/2	1/2	3/4 FPT	Air	124
ADTR370	6	6	1/2	1/2	3/4 FPT	Air	127
LETR035	1	6	3/8	3/8	3/4 FPT	Electric	24
LETR040	1	6	3/8	3/8	3/4 FPT	Electric	26
LETR047	1	6	3/8	3/8	3/4 FPT	Electric	29
LETR065	2	6	3/8	3/8	3/4 FPT	Electric	43
LETR075	2	6	3/8	3/8	3/4 FPT	Electric	45
LETR090	2	6	3/8	3/8	3/4 FPT	Electric	48
LETR120	3	6	3/8	3/8	3/4 FPT	Electric	60
LETR140	3	6	3/8	3/8	3/4 FPT	Electric	62
LETR160	4	6	3/8	3/8	3/4 FPT	Electric	81
LETR180	4	6	3/8	3/8	3/4 FPT	Electric	84
LETR200	5	6	3/8	3/8	3/4 FPT	Electric	101
LETR240	6	6	1/2	1/2	3/4 FPT	Electric	121
LETR280	6	6	1/2	1/2	3/4 FPT	Electric	124

Dimensional Diagram Air & Electric Defrost



CATALOG 5 FAN - ADTG1000

* Connection locations are typical

Medium Temperature Overfeed Low Profile

Dimensional Data Air & Electric Defrost

Model	No. of Fans	Dimensions							
		A		B		C		D	
		in.	mm	in.	mm	in.	mm	in.	mm
ADTR040	1	29.50	749	17.25	438	-	-	-	-
ADTR052	1	29.50	749	17.25	438	-	-	-	-
ADTR065	1	29.50	749	17.25	438	-	-	-	-
ADTR070	2	45.50	1,156	33.25	845	-	-	-	-
ADTR090	2	45.50	1,156	33.25	845	-	-	-	-
ADTR104	2	45.50	1,156	33.25	845	-	-	-	-
ADTR120	2	45.50	1,156	33.25	845	-	-	-	-
ADTR130	2	45.50	1,156	33.25	845	-	-	-	-
ADTR140	3	61.50	1,562	49.25	1,251	-	-	-	-
ADTR156	3	61.50	1,562	49.25	1,251	-	-	-	-
ADTR180	3	61.50	1,562	49.25	1,251	-	-	-	-
ADTR208	4	77.50	1,969	65.25	1,657	-	-	-	-
ADTR260	5	93.50	2,375	81.25	2,064	48.63	1,235	32.63	829
ADTR312	6	109.50	2,781	97.25	2,470	48.63	1,235	48.63	1,235
ADTR370	6	109.50	2,781	97.25	2,470	48.63	1,235	48.63	1,235
LETR035	1	29.50	749	17.25	438	-	-	-	-
LETR040	1	29.50	749	17.25	438	-	-	-	-
LETR047	1	29.50	749	17.25	438	-	-	-	-
LETR065	2	45.50	1,156	33.25	845	-	-	-	-
LETR075	2	45.50	1,156	33.25	845	-	-	-	-
LETR090	2	45.50	1,156	33.25	845	-	-	-	-
LETR120	3	61.50	1,562	49.25	1,251	-	-	-	-
LETR140	3	61.50	1,562	49.25	1,251	-	-	-	-
LETR160	4	77.50	1,969	65.25	1,657	-	-	-	-
LETR200	5	93.50	2,375	81.25	2,064	48.63	1,235	32.63	829
LETR240	6	109.50	2,781	97.25	2,470	48.63	1,235	48.63	1,235
LETR280	6	109.50	2,781	97.25	2,470	48.63	1,235	48.63	1,235

NOTE: Hanger brackets will accept 3/8"/10 mm threaded rod

Medium Temperature Overfeed Low Velocity

Capacities Air Defrost

Model	Capacity	Fan Data		Fan Motor Data (EC)				
	10°F TD 25°F SST BTUH	No.	CFM	HP	115/1/60		208-230/1/60	
					Amps	Watts	Amps	Watts
WKAR050	5,000	1	725	1/15	0.9	55	0.5	55
WKAR075	7,500	1	730	1/15	0.9	55	0.5	55
WKAR100	10,000	2	1,450	1/15	1.8	110	1.0	110
WKAR130	13,000	2	1,470	1/15	1.8	110	1.0	110
WKAR155	15,500	2	1,460	1/15	1.8	110	1.0	110
WKAR180	18,000	3	2,130	1/15	2.7	165	1.5	165
WKAR210	21,000	4	2,840	1/15	3.6	220	2.0	220
WKAR270	27,000	4	2,800	1/15	3.6	220	2.0	220
WKAR340	34,000	5	3,500	1/15	4.5	275	2.5	275

Medium Temperature Overfeed Low Velocity

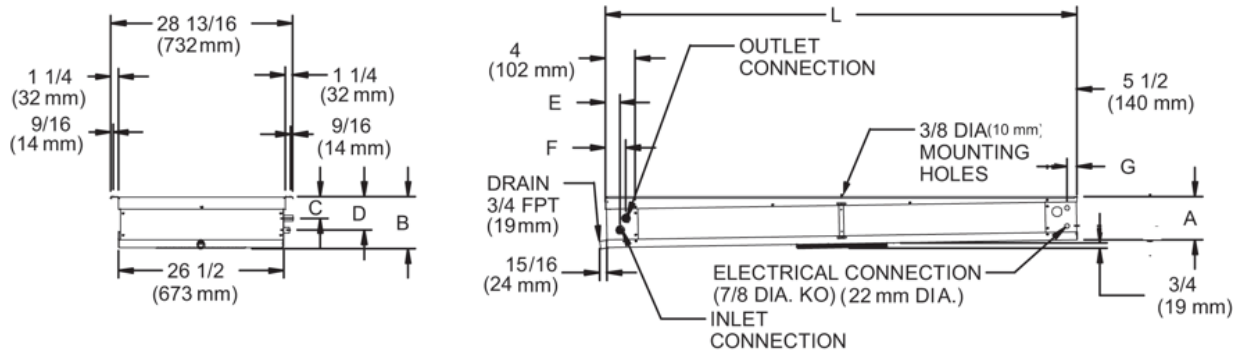
Capacities Electric Defrost

Model	Capacity	Fan Data		Fan Motor Data (EC)			Defrost Heaters	
	10°F TD 25°F SST	No.	CFM	HP	208-230/1/60		Watts	230/1/60 Amps
	BTUH				Amps	Watts		
WKER050	5,000	1	725	1/15	0.5	55	2,000	8.7
WKER075	7,500	1	730	1/15	0.5	55	2,400	10.5
WKER100	10,000	2	1,450	1/15	1.0	110	2,800	12.2
WKER130	13,000	2	1,470	1/15	1.0	110	4,000	17.4
WKER155	15,500	2	1,460	1/15	1.0	110	4,000	17.4
WKER180	18,000	3	2,130	1/15	1.5	165	4,000	17.4
WKER210	21,000	4	2,840	1/15	2.0	220	5,200	22.6
WKER270	27,000	4	2,800	1/15	2.0	220	5,200	22.6
WKER340	34,000	5	3,500	1/15	2.5	275	7,000	30.4

Physical Data Air & Electric Defrost

Model	No. of Fans	Coil Data (Overfeed:2)			Condensate Drain	Defrost Type	Approx. Net Wt.
		FPI	Coil Inlet	Coil Outlet			lbs.
WKAR050	1	6	1/2	1/2	3/4 FPT	Air	70
WKAR075	1	6	1/2	1/2	3/4 FPT	Air	103
WKAR100	2	6	1/2	1/2	3/4 FPT	Air	106
WKAR130	2	6	1/2	1/2	3/4 FPT	Air	145
WKAR155	2	6	1/2	1/2	3/4 FPT	Air	149
WKAR180	3	6	1/2	1/2	3/4 FPT	Air	160
WKAR210	4	6	1/2	1/2	3/4 FPT	Air	193
WKAR270	4	6	1/2	1/2	3/4 FPT	Air	200
WKAR340	5	6	1/2	1/2	3/4 FPT	Air	242
WKER050	1	6	1/2	1/2	3/4 FPT	Electric	75
WKER075	1	6	1/2	1/2	3/4 FPT	Electric	108
WKER100	2	6	1/2	1/2	3/4 FPT	Electric	111
WKER130	2	6	1/2	1/2	3/4 FPT	Electric	150
WKER155	2	6	1/2	1/2	3/4 FPT	Electric	154
WKER180	3	6	1/2	1/2	3/4 FPT	Electric	157
WKER210	4	6	1/2	1/2	3/4 FPT	Electric	203
WKER270	4	6	1/2	1/2	3/4 FPT	Electric	208
WKER340	5	6	1/2	1/2	3/4 FPT	Electric	250

Dimensional Diagram Air & Electric Defrost



Medium Temperature Overfeed Low Velocity

Dimensional Data Air & Electric Defrost

Model	No. of Fans	Dimensions															
		A		B		C		D		E		F		G		L	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
WKAR050	1	6-7/8	175	8-7/8	225	4-1/16	103	-	-	4-5/8	118	3-1/4	83	1-5/8	41	53-1/2	1,359
WKAR075	1	6-7/8	175	8-7/8	225	4-1/16	103	-	-	4-5/8	118	3-1/4	83	1-5/8	41	75-1/2	1,918
WKAR100	2	9-3/8	238	11-3/8	289	6-9/16	167	-	-	7-1/8	181	3-1/4	83	1-5/8	41	75-1/2	1,918
WKAR130	2	13-1/8	333	15-1/8	384	10-1/8	257	-	-	8-1/2	216	2-11/16	68	1-1/8	29	75-1/2	1,918
WKAR155	2	13-1/8	333	15-1/8	384	10-1/8	257	-	-	8-1/2	216	2-11/16	68	1-1/8	29	75-1/2	1,918
WKAR180	3	13-1/8	333	15-1/8	384	10-1/8	257	-	-	8-1/2	216	2-11/16	68	1-1/8	29	75-1/2	1,918
WKAR210	4	13-1/8	333	15-1/8	384	10-1/8	257	44	1,118	8-1/2	216	2-11/16	68	1-1/8	29	97-1/2	2,477
WKAR270	4	13-1/8	333	15-1/8	384	10-1/8	257	44	1,118	8-1/2	216	2-11/16	68	1-1/8	29	97-1/2	2,477
WKAR340	5	13-1/8	333	15-1/8	384	10-1/8	257	55	1,397	8-1/2	216	2-11/16	68	1-1/8	29	119-1/2	3,035
WKER050	1	6-7/8	175	8-7/8	225	4-1/16	103	-	-	4-5/8	118	3-1/4	83	1-5/8	41	53-1/2	1,359
WKER075	1	6-7/8	175	8-7/8	225	4-1/16	103	-	-	4-5/8	118	3-1/4	83	1-5/8	41	75-1/2	1,918
WKER100	2	9-3/8	238	11-3/8	289	6-9/16	167	-	-	7-1/8	181	3-1/4	83	1-5/8	41	75-1/2	1,918
WKER130	2	13-1/8	333	15-1/8	384	10-1/8	257	-	-	8-1/2	216	2-11/16	68	1-1/8	29	75-1/2	1,918
WKER155	2	13-1/8	333	15-1/8	384	10-1/8	257	-	-	8-1/2	216	2-11/16	68	1-1/8	29	75-1/2	1,918
WKER180	3	13-1/8	333	15-1/8	384	10-1/8	257	-	-	8-1/2	216	2-11/16	68	1-1/8	29	75-1/2	1,918
WKER210	4	13-1/8	333	15-1/8	384	10-1/8	257	44	1,118	8-1/2	216	2-11/16	68	1-1/8	29	97-1/2	2,477
WKER270	4	13-1/8	333	15-1/8	384	10-1/8	257	44	1,118	8-1/2	216	2-11/16	68	1-1/8	29	97-1/2	2,477
WKER340	5	13-1/8	333	15-1/8	384	10-1/8	257	55	1,397	8-1/2	216	2-11/16	68	1-1/8	29	119-1/2	3,035

NOTE: 3/8" diameter mounting holes

Medium Temperature Overfeed Medium Profile

Capacities Air Defrost

Model	Capacity	Fan Data		HP	Fan Motor Data (EC)			
	10°F TD 25°F SST	No.	CFM		115/1/60		208-230/1/60	
	BTUH				Amps	Watts	Amps	Watts
BMAR130	13,000	1	2,300	1/4	2.8	210	1.4	205
BMAR155	15,500	1	2,200	1/4	2.8	210	1.4	205
BMAR245	24,500	2	4,600	1/4	5.6	420	2.8	410
BMAR300	30,000	2	4,400	1/4	5.6	420	2.8	410
BMAR365	36,500	3	6,900	1/4	8.4	630	4.2	615
BMAR450	45,000	3	6,600	1/4	8.4	630	4.2	615
BMAR510	51,000	4	9,200	1/4	11.2	840	5.6	860
BMAR600	60,000	4	8,800	1/4	11.2	840	5.6	860
BMAR710	71,000	5	10,500	1/4	14.0	1,050	7.0	1,075

Medium Temperature Overfeed Medium Profile

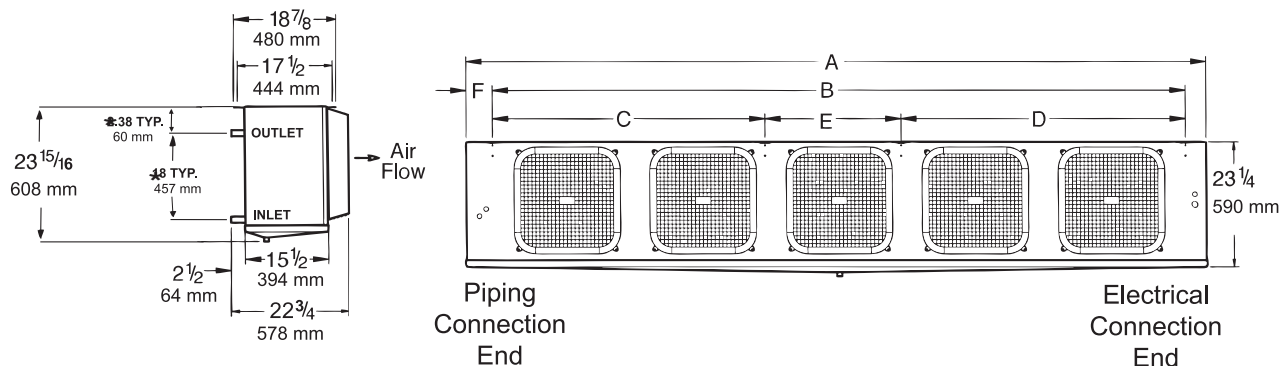
Capacities Electric Defrost

Model	Capacity	Fan Data		Fan Motor Data (EC)			Defrost Heaters	
	10°F TD 25°F SST	No.	CFM	HP	208-230/1/60		Watts	230/1/60
	BTUH				Amps	Watts		Amps
BMER101	10,100	1	2,350	1/4	1.4	215	2,730	11.9
BMER140	14,000	1	2,250	1/4	1.4	215	2,730	11.9
BMER190	19,000	2	4,700	1/4	2.8	430	5,350	23.3
BMER260	26,000	2	4,500	1/4	2.8	430	5,350	23.3
BMER310	31,000	3	7,050	1/4	4.2	645	7,750	33.7
BMER390	39,000	3	6,750	1/4	4.2	645	7,750	33.7
BMER430	43,000	4	8,800	1/4	5.6	860	10,200	-
BMER520	52,000	4	8,400	1/4	5.6	860	10,200	-
BMER620	62,000	5	10,000	1/4	7.0	1,075	11,600	-

Physical Data Air Defrost

Model	No. of Fans	Coil Data (Overfeed:2)			Condensate Drain	Defrost Type	Approx. Net Wt.
		FPI	Coil Inlet	Coil Outlet			lbs.
BMAR130	1	6	3/8	3/8	3/4 FPT	Air	115
BMAR155	1	6	3/8	3/8	3/4 FPT	Air	123
BMAR245	2	6	1/2	1/2	3/4 FPT	Air	134
BMAR300	2	6	1/2	1/2	3/4 FPT	Air	148
BMAR365	3	6	1/2	1/2	3/4 FPT	Air	200
BMAR450	3	6	5/8	5/8	3/4 FPT	Air	227
BMAR510	4	6	5/8	5/8	3/4 FPT	Air	230
BMAR600	4	6	5/8	5/8	3/4 FPT	Air	255
BMAR710	5	6	7/8	7/8	3/4 FPT	Air	285
BMER101	1	6	3/8	3/8	3/4 FPT	Electric	118
BMER140	1	6	3/8	3/8	3/4 FPT	Electric	126
BMER190	2	6	3/8	3/8	3/4 FPT	Electric	138
BMER260	2	6	1/2	1/2	3/4 FPT	Electric	153
BMER310	3	6	1/2	1/2	3/4 FPT	Electric	210
BMER390	3	6	5/8	5/8	3/4 FPT	Electric	237
BMER430	4	6	5/8	5/8	3/4 FPT	Electric	267
BMER520	4	6	5/8	5/8	3/4 FPT	Electric	300
BMER620	5	6	5/8	5/8	3/4 FPT	Electric	338

Dimensional Diagram Air & Electric Defrost



* Connection locations are typical

Medium Temperature Overfeed Medium Profile

Dimensional Data Air Defrost & Electric Defrost

Model	No. of Fans	Dimensions											
		A		B		C		D		E		F	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
BMAR130	1	39-5/16	1,000	30-1/4	770	-	-	-	-	-	-	4-15/16	125
BMAR155	1	39-5/16	1,000	30-1/4	770	-	-	-	-	-	-	4-15/16	125
BMAR245	2	67-5/16	1,710	58-1/4	1,480	-	-	-	-	-	-	4-15/16	125
BMAR300	2	67-5/16	1,710	58-1/4	1,480	-	-	-	-	-	-	4-15/16	125
BMAR365	3	95-5/16	2,420	86-1/4	2,190	-	-	-	-	-	-	4-15/16	125
BMAR450	3	95-5/16	2,420	86-1/4	2,190	-	-	-	-	-	-	4-15/16	125
BMAR510	4	123-5/16	3,130	114-1/4	2,900	56	1,420	58-1/4	1,480	-	-	4-15/16	125
BMAR600	4	123-5/16	3,130	114-1/4	2,900	56	1,420	58-1/4	1,480	-	-	4-15/16	125
BMAR710	5	138-13/16	3,530	129-3/4	3,300	51	1,300	53-1/4	1,350	25-1/2	650	4-15/16	125
BMER101	1	39-5/16	1,000	30-1/4	770	-	-	-	-	-	-	4-15/16	125
BMER140	1	39-5/16	1,000	30-1/4	770	-	-	-	-	-	-	4-15/16	125
BMER190	2	67-5/16	1,710	58-1/4	1,480	-	-	-	-	-	-	4-15/16	125
BMER260	2	67-5/16	1,710	58-1/4	1,480	-	-	-	-	-	-	4-15/16	125
BMER310	3	95-5/16	2,420	86-1/4	2,190	-	-	-	-	-	-	4-15/16	125
BMER390	3	95-5/16	2,420	86-1/4	2,190	-	-	-	-	-	-	4-15/16	125
BMER430	4	123-5/16	3,130	114-1/4	2,900	56	1,420	58-1/4	1,480	-	-	4-15/16	125
BMER520	4	123-5/16	3,130	114-1/4	2,900	56	1,420	58-1/4	1,480	-	-	4-15/16	125
BMER620	5	138-13/16	3,530	129-3/4	3,300	51	1,300	53-1/4	1,350	25-1/2	650	4-15/16	125

NOTE: Hanger brackets will accept up to 1/2"/12 mm threaded rod

Low Temperature Overfeed Low Profile

Capacities Electric Defrost, 6 FPI

Model	Capacity	Fan Data		Fan Motor Data (EC)			Defrost Heaters		
	10°F TD -20°F SST	No.	CFM	HP	208-230/1/60		Watts	230/1/60	230/3/60
	BTUH				Amps	Watts		Amps	Amps
LETX035	3,500	1	700	1/15	0.5	59	900	3.9	2.3
LETX040	4,000	1	700	1/15	0.5	59	900	3.9	2.3
LETX047	4,700	1	650	1/15	0.5	59	900	3.9	2.3
LETX065	6,500	2	1,400	1/15	1.0	118	1,800	7.8	4.5
LETX075	7,500	2	1,300	1/15	1.0	118	1,800	7.8	4.5
LETX090	9,000	2	1,300	1/15	1.0	118	1,800	7.8	4.5
LETX120	12,000	3	2,100	1/15	1.5	177	2,700	11.7	6.8
LETX140	14,000	3	1,950	1/15	1.5	177	2,700	11.7	6.8
LETX160	16,000	4	2,600	1/15	2.0	236	3,600	15.7	9.0
LETX180	18,000	4	2,600	1/15	2.0	236	3,600	15.7	9.0
LETX200	20,000	5	3,250	1/15	2.5	295	4,500	19.6	11.3
LETX240	24,000	6	3,900	1/15	3.0	354	5,400	23.5	13.6
LETX280	28,000	6	3,900	1/15	3.0	354	5,400	23.5	13.6

Low Temperature Overfeed Low Profile

Capacities Electric Defrost, 4.5 FPI

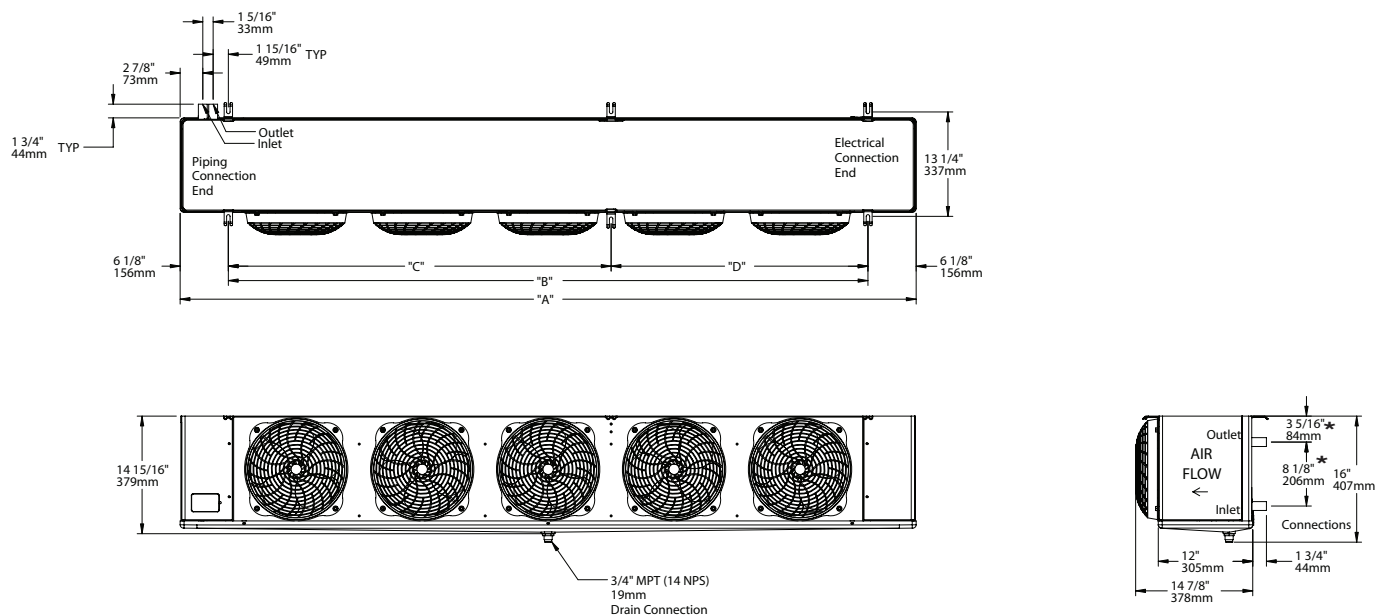
Model	Capacity	Fan Data		Fan Motor Data (EC)			Defrost Heaters		
	10°F TD -20°F SST	No.	CFM	HP	208-230/1/60		Watts	230/1/60	230/3/60
	BTUH				Amps	Watts		Amps	Amps
LLEX041	4,100	1	690	1/15	0.5	59	900	3.9	2.3
LLEX068	6,800	2	1,380	1/15	1.0	118	1,800	7.8	4.5
LLEX080	8,000	2	1,380	1/15	1.0	118	1,800	7.8	4.5
LLEX102	10,200	3	2,170	1/15	1.5	177	2,700	11.7	6.8
LLEX136	13,600	4	2,760	1/15	2.0	236	3,600	15.7	9.0
LLEX170	17,000	5	3,450	1/15	2.5	295	4,500	19.6	11.3
LLEX204	20,400	6	4,140	1/15	3.0	354	5,400	23.5	13.6
LLEX235	23,500	6	4,140	1/15	3.0	354	5,400	23.5	13.6

Physical Data Electric Defrost, 6 & 4.5 FPI

Model	No. of Fans	Coil Data			Condensate Drain	Defrost Type	Approx. Net Wt.
		FPI	Coil Inlet	Suction			lbs.
LETX035	1	6	3/8	3/8	3/4 FPT	Electric	24
LETX040	1	6	3/8	3/8	3/4 FPT	Electric	26
LETX047	1	6	3/8	3/8	3/4 FPT	Electric	29
LETX065	2	6	3/8	3/8	3/4 FPT	Electric	43
LETX075	2	6	3/8	3/8	3/4 FPT	Electric	45
LETX090	2	6	3/8	1/2	3/4 FPT	Electric	48
LETX120	3	6	3/8	1/2	3/4 FPT	Electric	60
LETX140	3	6	3/8	1/2	3/4 FPT	Electric	62
LETX160	4	6	3/8	1/2	3/4 FPT	Electric	81
LETX180	4	6	3/8	1/2	3/4 FPT	Electric	84
LETX200	5	6	3/8	1/2	3/4 FPT	Electric	101
LETX240	6	6	3/8	5/8	3/4 FPT	Electric	121
LETX280	6	6	3/8	5/8	3/4 FPT	Electric	124
LLEX041	1	4.5	3/8	3/8	3/4 FPT	Electric	28
LLEX068	2	4.5	3/8	3/8	3/4 FPT	Electric	44
LLEX080	2	4.5	3/8	3/8	3/4 FPT	Electric	47
LLEX102	3	4.5	3/8	1/2	3/4 FPT	Electric	59
LLEX136	4	4.5	3/8	1/2	3/4 FPT	Electric	80
LLEX170	5	4.5	3/8	1/2	3/4 FPT	Electric	100
LLEX204	6	4.5	3/8	1/2	3/4 FPT	Electric	120
LLEX235	6	4.5	3/8	5/8	3/4 FPT	Electric	120

Low Temperature Overfeed Low Profile

Dimensional Diagram Electric Defrost, 6 & 4.5 FPI



Dimensional Data Electric Defrost, 6 & 4.5 FPI

Model	No. of Fans	Dimensions							
		A		B		C		D	
		in.	mm	in.	mm	in.	mm	in.	mm
LETX035	1	29.5	749	17.25	438	-	-	-	-
LETX040	1	29.5	749	17.25	438	-	-	-	-
LETX047	1	29.5	749	17.25	438	-	-	-	-
LETX065	2	45.5	1,156	33.25	845	-	-	-	-
LETX075	2	45.5	1,156	33.25	845	-	-	-	-
LETX090	2	45.5	1,156	33.25	845	-	-	-	-
LETX120	3	61.5	1,562	49.25	1,251	-	-	-	-
LETX140	3	61.5	1,562	49.25	1,251	-	-	-	-
LETX160	4	77.5	1,969	65.25	1,657	-	-	-	-
LETX180	4	77.5	1,969	65.25	1,657	-	-	-	-
LETX200	5	93.5	2,375	81.25	2,064	48.63	1,235	32.63	829
LETX240	6	109.5	2,781	97.25	2,470	48.63	1,235	48.63	1,235
LETX280	6	109.5	2,781	97.25	2,470	48.63	1,235	48.63	1,235
LLEX041	1	29.5	749	17.25	438	-	-	-	-
LLEX068	2	45.5	1,156	33.25	845	-	-	-	-
LLEX080	2	45.5	1,156	33.25	845	-	-	-	-
LLEX102	3	61.5	1,562	49.25	1,251	-	-	-	-
LLEX136	4	77.5	1,969	62.25	1,657	-	-	-	-
LLEX170	5	93.5	2,375	81.25	2,064	48.63	1,235	32.63	829
LLEX204	6	109.5	2,781	97.25	2,470	48.63	1,235	48.63	1,235
LLEX235	6	109.5	2,781	97.25	2,470	48.63	1,235	48.63	1,235

NOTE: Hanger brackets will accept 3/8"/10mm threaded rod

Low Temperature Overfeed Medium Profile

Capacities Electric Defrost, 6 FPI

Model	Capacity	Fan Data		HP	PSC, PSC-TE Motor Data		Fan Motor Data (EC)		Defrost Heaters				
	10°F TD -20°F SST	No.	CFM		460/1/60		208-230/1/60		Watts	230/1/60	230/3/60	460/1/60	460/3/60
	BTUH				Amps	Watts	Amps	Watts		Amps	Amps	Amps	Amps
BMEX101	10,100	1	2,350	1/4	1.0	305	1.4	275	2,730	11.9	8.2	5.9	4.1
BMEX140	14,000	1	2,250	1/4	1.0	305	1.4	215	2,730	11.9	8.2	5.9	4.1
BMEX190	19,000	2	4,700	1/4	2.0	610	2.8	430	5,350	23.3	16.0	11.6	8.3
BMEX260	26,000	2	4,500	1/4	2.0	610	2.8	430	5,350	23.3	16.0	11.6	8.3
BMEX310	31,000	3	7,050	1/4	3.0	915	4.2	645	7,750	33.7	23.2	16.8	12.0
BMEX390	39,000	3	6,750	1/4	3.0	915	4.2	645	7,750	33.7	23.2	16.8	12.0
BMEX430	43,000	4	8,800	1/4	4.0	1,220	5.6	860	10,200	-	30.5	22.2	15.8
BMEX520	52,000	4	8,400	1/4	4.0	1,220	5.6	860	10,200	-	30.5	22.2	15.8
BMEX620	62,000	5	10,000	1/4	5.0	1,525	7.0	1,075	11,600	-	34.7	25.2	18.1

Capacities Electric Defrost, 4.5 FPI

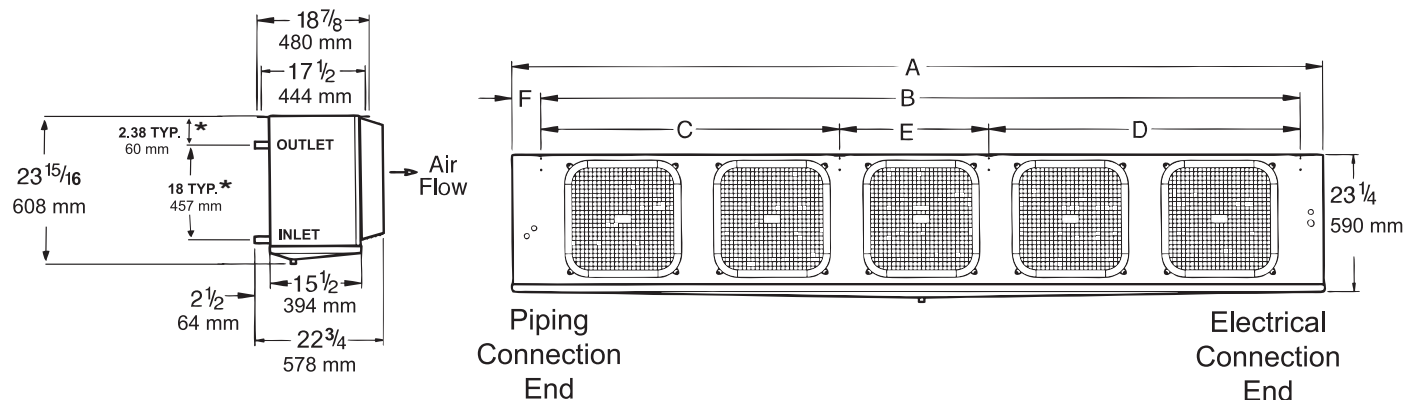
Model	Capacity	Fan Data		HP	PSC, PSC-TE Motor Data		Fan Motor Data (EC)		Defrost Heaters				
	10°F TD -20°F SST BTUH	No.	CFM		460/1/60		208-230/1/60		Watts	230/1/60	230/3/60	460/1/60	460/3/60
	Amps				Watts	Amps	Watts	Amps		Amps	Amps	Amps	
BMLX100	10,000	1	2,325	1/4	1.0	305	1.4	215	2,730	11.9	8.2	5.9	4.1
BMLX165	16,500	2	4,900	1/4	2.0	610	2.8	430	5,350	23.3	16.0	11.6	8.3
BMLX220	22,000	2	4,650	1/4	2.0	610	2.8	430	5,350	23.3	16.0	11.6	8.3
BMLX250	25,000	3	7,350	1/4	3.0	915	4.2	645	7,750	33.7	23.2	16.8	12.0
BMLX330	33,000	3	6,975	1/4	3.0	915	4.2	645	7,750	33.7	23.2	16.8	12.0
BMLX370	37,000	4	9,100	1/4	4.0	1,220	5.6	860	10,200	-	30.5	22.2	15.8
BMLX440	44,000	4	8,700	1/4	4.0	1,220	5.6	860	10,200	-	30.5	22.2	15.8
BMLX530	53,000	5	10,350	1/4	5.0	1,525	7.0	1,075	11,600	-	34.7	25.2	18.1

Physical Data Electric Defrost, 6 & 4.5 FPI

Model	No. of Fans	Coil Data			Condensate Drain	Defrost Type	Approx. Net Wt.
		FPI	Coil Inlet	Suction			lbs.
BMEX101	1	6	3/8	1/2	3/4 FPT	Electric	118
BMEX140	1	6	3/8	1/2	3/4 FPT	Electric	126
BMEX190	2	6	3/8	1/2	3/4 FPT	Electric	138
BMEX260	2	6	3/8	5/8	3/4 FPT	Electric	153
BMEX310	3	6	1/2	5/8	3/4 FPT	Electric	210
BMEX390	3	6	1/2	7/8	3/4 FPT	Electric	237
BMEX430	4	6	1/2	7/8	3/4 FPT	Electric	267
BMEX520	4	6	5/8	7/8	3/4 FPT	Electric	300
BMEX620	5	6	5/8	7/8	3/4 FPT	Electric	338
BMLX100	1	4.5	3/8	1/2	3/4 FPT	Electric	125
BMLX165	2	4.5	3/8	1/2	3/4 FPT	Electric	136
BMLX220	2	4.5	3/8	1/2	3/4 FPT	Electric	151
BMLX250	3	4.5	3/8	5/8	3/4 FPT	Electric	207
BMLX330	3	4.5	1/2	5/8	3/4 FPT	Electric	234
BMLX370	4	4.5	1/2	7/8	3/4 FPT	Electric	262
BMLX440	4	4.5	1/2	7/8	3/4 FPT	Electric	295
BMLX530	5	4.5	5/8	7/8	3/4 FPT	Electric	332

Low Temperature Overfeed Medium Profile

Dimensional Diagram Electric Defrost



*Connection locations are typical

Dimensional Data Electric Defrost, 6 & 4.5 FPI

Models	No. of Fans	Dimensions											
		A		B		C		D		E		F	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
BMEX101	1	39-5/16	1,000	30-1/4	770	-	-	-	-	-	-	4-5/16	125
BMEX140	1	39-5/16	1,000	30-1/4	770	-	-	-	-	-	-	4-5/16	125
BMEX190	2	67-5/16	1,710	58-1/4	770	-	-	-	-	-	-	4-5/16	125
BMEX260	2	67-5/16	1,710	58-1/4	770	-	-	-	-	-	-	4-5/16	125
BMEX310	3	95-5/16	2,420	86-1/4	2,190	-	-	-	-	-	-	4-5/16	125
BMEX390	3	95-5/16	2,420	86-1/4	2,190	-	-	-	-	-	-	4-5/16	125
BMEX430	4	123-5/16	3,130	114-1/4	2,900	-	-	58-1/4	1,480	-	-	4-5/16	125
BMEX520	4	123-5/16	3,130	114-1/4	2,900	-	-	58-1/4	1,480	-	-	4-5/16	125
BMEX620	5	138-13/16	3,530	129-3/4	3,300	25-1/2	650	53-1/4	1,350	25-1/2	650	4-15/16	125
BMLX100	1	39-5/16	1,000	30-14	770	-	-	-	-	-	-	4-5/16	125
BMLX165	2	67-5/16	1,710	58-1/4	1,480	-	-	-	-	-	-	4-5/16	125
BMLX220	2	67-5/16	1,710	58-1/4	1,480	-	-	-	-	-	-	4-5/16	125
BMLX250	3	95-5/16	2,420	86-1/4	2,190	-	-	-	-	-	-	4-5/16	125
BMLX330	3	95-5/16	2,420	86-1/4	2,190	-	-	-	-	-	-	4-5/16	125
BMLX370	4	123-5/16	3,130	114-1/4	2,900	-	-	58-1/4	1,480	-	-	4-5/16	125
BMLX440	4	123-5/16	3,130	114-1/4	2,900	-	-	58-1/4	1,480	-	-	4-5/16	125
BMLX530	5	138-13/16	3,530	129-3/4	3,300	25-1/2	650	53-1/4	1,350	25-1/2	650	4-15/16	125

Low Temperature Overfeed Center Mount

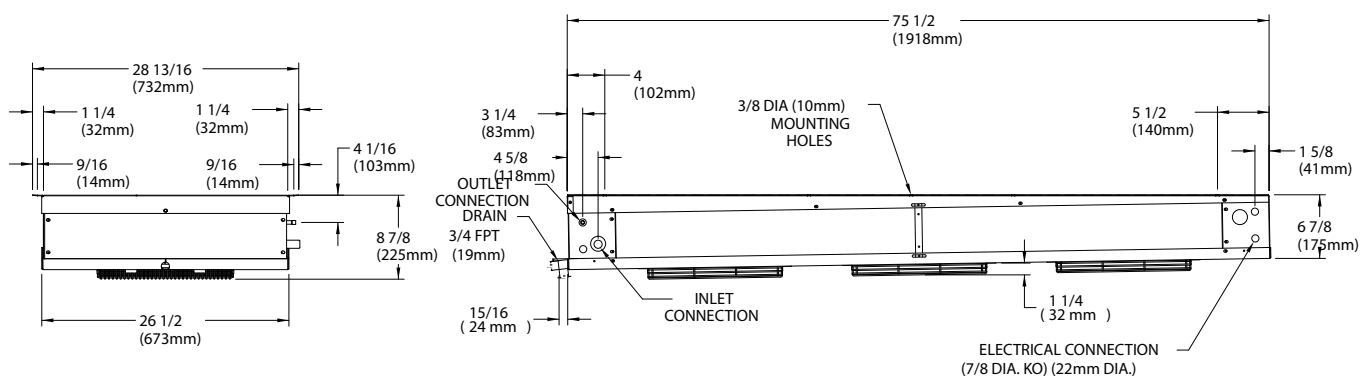
Capacities Electric Defrost

Model	Capacity	Fan Data		Fan Motor Data (EC)			Defrost Heaters	
	10°F TD -20°F SST BTUH	No.	CFM	HP	208-230/1/60		230/1/60	
					Amps	Watts	Amps	Watts
SMEX040	4,000	1	610	1/15	0.5	55	5.3	1200
SMEX054	5,400	2	1,300	1/15	1.0	110	8.7	2000
SMEX065	6,500	2	1,260	1/15	1.0	110	8.7	2000
SMEX090	9,000	3	1,950	1/15	1.5	165	10.5	2400
SMEX130	13,000	3	1,830	1/15	1.5	165	15.7	3600
SMEX174	17,400	4	2,440	1/15	2.0	220	20.9	4800

Physical Data Electric Defrost

Model	No. of Fans	Coil Data			Condensate Drain	Defrost Type	Approx. Net Wt.
		FPI	Inlet OD	Suction OD			lbs.
SMEX040	1	6	3/8	3/8	3/4 FPT	Electric	90
SMEX054	2	6	3/8	3/8	3/4 FPT	Electric	120
SMEX065	2	6	3/8	3/8	3/4 FPT	Electric	120
SMEX090	3	6	3/8	1/2	3/4 FPT	Electric	160
SMEX130	3	6	3/8	1/2	3/4 FPT	Electric	174
SMEX174	4	6	3/8	1/2	3/4 FPT	Electric	218

Dimensional Diagram Electric Defrost



Dimensional Data Electric Defrost

Model	No. of Fans	Dimensions (in.)
		L
SMEX040	1	31-1/2
SMEX054	2	53-1/2
SMEX065	2	53-1/2
SMEX090	3	75-1/2
SMEX130	3	75-1/2
SMEX174	4	97-1/2

Low Temperature DX Low Profile

Capacities Electric Defrost, 6 FPI

Model	Capacity	Fan Data		Fan Motor Data (EC)			Defrost Heaters		
	10°F TD -20°F SST	No.	CFM	HP	208-230/1/60		Watts	230/1/60	230/3/60
	BTUH				Amps	Watts		Amps	Amps
LETC035	3,500	1	700	1/15	0.5	59	900	3.9	2.3
LETC040	4,000	1	700	1/15	0.5	59	900	3.9	2.3
LETC047	4,700	1	650	1/15	0.5	59	900	3.9	2.3
LETC065	6,500	2	1,400	1/15	1.0	118	1,800	7.8	4.5
LETC075	7,500	2	1,300	1/15	1.0	118	1,800	7.8	4.5
LETC090	9,000	2	1,300	1/15	1.0	118	1,800	7.8	4.5
LETC120	12,000	3	2,100	1/15	1.5	177	2,700	11.7	6.8
LETC140	14,000	3	1,950	1/15	1.5	177	2,700	11.7	6.8
LETC160	16,000	4	2,600	1/15	2.0	236	3,600	15.7	9.0
LETC180	18,000	4	2,600	1/15	2.0	236	3,600	15.7	9.0
LETC200	20,000	5	3,250	1/15	2.5	295	4,500	19.6	11.3
LETC240	24,000	6	3,900	1/15	3.0	354	5,400	23.5	13.6
LETC280	28,000	6	3,900	1/15	3.0	354	5,400	23.5	13.6

Capacities Electric Defrost, 4.5 FPI

Model	Capacity	Fan Data		Fan Motor Data (EC)			Defrost Heaters		
	10°F TD -20°F SST	No.	CFM	HP	208-230/1/60		Watts	230/1/60	230/3/60
	BTUH				Amps	Watts		Amps	Amps
LLEC041	4,100	1	690	1/15	0.5	59	900	3.9	2.3
LLEC068	6,800	2	1,380	1/15	1.0	118	1,800	7.8	4.5
LLEC080	8,000	2	1,380	1/15	1.0	118	1,800	7.8	4.5
LLEC102	10,200	3	2,170	1/15	1.5	177	2,700	11.7	6.8
LLEC136	13,600	4	2,760	1/15	2.0	236	3,600	15.7	9.0
LLEC170	17,000	5	3,450	1/15	2.5	295	4,500	19.6	11.3
LLEC204	20,400	6	4,140	1/15	3.0	354	5,400	23.5	13.6
LLEC235	23,500	6	4,140	1/15	3.0	354	5,400	23.5	13.6

Physical Data Electric Defrost, 6 & 4.5 FPI

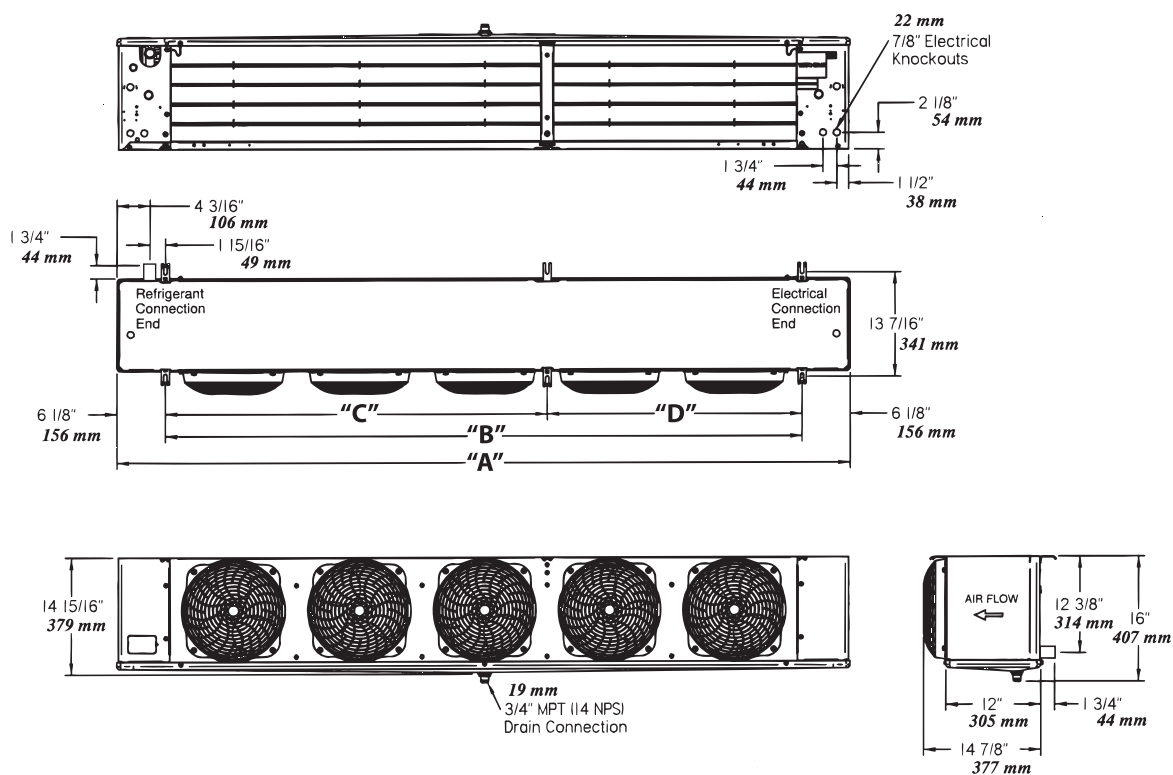
Model	No. of Fans	Coil Data			Condensate Drain	Defrost Type	Approx. Net Wt.
		FPI	Coil Inlet	Suction			lbs.
LETC035	1	6	3/8	3/8	3/4 FPT	Electric	24
LETC040	1	6	3/8	3/8	3/4 FPT	Electric	26
LETC047	1	6	3/8	3/8	3/4 FPT	Electric	29
LETC065	2	6	1/2	3/8	3/4 FPT	Electric	43
LETC090	2	6	1/2	1/2	3/4 FPT	Electric	48
LETC120	3	6	1/2	1/2	3/4 FPT	Electric	60
LETC140	3	6	1/2	1/2	3/4 FPT	Electric	62
LETC160	4	6	1/2	1/2	3/4 FPT	Electric	81
LETC200	5	6	1/2	1/2	3/4 FPT	Electric	101
LETC240	6	6	1/2	5/8	3/4 FPT	Electric	121
LETC280	6	6	1/2	5/8	3/4 FPT	Electric	124
LLEC041	1	4.5	3/8	3/8	3/4 FPT	Electric	28
LLEC068	2	4.5	3/8	3/8	3/4 FPT	Electric	44
LLEC080	2	4.5	1/2	3/8	3/4 FPT	Electric	47
LLEC102	3	4.5	1/2	1/2	3/4 FPT	Electric	59
LLEC136	4	4.5	1/2	1/2	3/4 FPT	Electric	80

Low Temperature DX Low Profile

Physical Data Electric Defrost, 6 & 4.5 FPI (Continued)

Model	No. of Fans	Coil Data			Condensate Drain	Defrost Type	Approx. Net Wt.
		FPI	Coil Inlet	Suction			lbs.
LLEC170	5	4.5	1/2	1/2	3/4 FPT	Electric	100
LLEC204	6	4.5	1/2	1/2	3/4 FPT	Electric	120
LLEC235	6	4.5	1/2	5/8	3/4 FPT	Electric	120

Dimensional Diagram Electric Defrost, 6 & 4.5 FPI



Dimensional Data Electric Defrost, 6 & 4.5 FPI

Model	No. of Fans	Dimensions							
		A		B		C		D	
		in.	mm	in.	mm	in.	mm	in.	mm
LETC035	1	29.50	749	17.25	438	-	-	-	-
LETC040	1	29.50	749	17.25	438	-	-	-	-
LETC047	1	29.50	749	17.25	438	-	-	-	-
LETC065	2	45.50	1,156	33.25	845	-	-	-	-
LETC075	2	45.50	1,156	33.25	845	-	-	-	-
LETC090	2	45.50	1,156	33.25	845	-	-	-	-
LETC120	3	61.50	1,562	49.25	1,251	-	-	-	-
LETC140	3	61.50	1,562	49.25	1,251	-	-	-	-

Low Temperature DX Low Profile

Dimensional Data Electric Defrost, 6 & 4.5 FPI (Continued)

Model	No. of Fans	Dimensions							
		A		B		C		D	
		in.	mm	in.	mm	in.	mm	in.	mm
LETC160	4	77.50	1,969	65.25	1,657	-	-	-	-
LETC180	4	77.50	1,969	65.25	1,657	-	-	-	-
LETC200	5	93.50	2,375	81.25	2,064	48.63	1,235	32.63	829
LETC240	6	109.50	2,781	97.25	2,470	48.63	1,235	48.63	1,235
LETC280	6	109.50	2,781	97.25	2,470	48.63	1,235	48.63	1,235
LLEC041	1	29.50	749	17.25	438	-	-	-	-
LLEC068	2	45.50	1,156	33.25	845	-	-	-	-
LLEC080	2	45.50	1,156	33.25	845	-	-	-	-
LLEC102	3	61.50	1,562	49.25	1,251	-	-	-	-
LLEC136	4	77.50	1,969	65.25	1,657	-	-	-	-
LLEC170	5	93.50	2,375	81.25	2,064	48.63	1,235	32.63	829
LLEC204	6	109.50	2,781	97.25	2,470	48.63	1,235	48.63	1,235
LLEC235	6	109.50	2,781	97.25	2,470	48.63	1,235	48.63	1,235

NOTE: Hanger brackets will accept 3/8"/10mm threaded rod

Nozzle Selection Electric Defrost, 6 & 4.5 FPI

Model	No. of Fans	Distributor Tube (in.)		No. of Circuits	CO ₂ Nozzle
		OD	Length		
LETC035	1	3/16	15	1	N/A
LETC040	1	3/16	15	1	N/A
LETC047	1	3/16	15	1	N/A
LETC065	2	3/16	15	1	N/A
LETC075	2	3/16	15	1	N/A
LETC090	2	3/16	15	1	N/A
LETC120	3	3/16	15	2	L 1/3
LETC140	3	3/16	15	2	L 1/3
LETC160	4	3/16	15	2	L 1/2
LETC180	4	3/16	15	3	L 1/2
LETC200	5	3/16	15	3	L 1/2
LETC240	6	3/16	15	3	L 3/4
LETC280	6	3/16	15	3	L 3/4
LLEC041	1	3/16	15	1	N/A
LLEC068	2	3/16	15	1	N/A
LLEC080	2	3/16	15	1	N/A
LLEC102	3	3/16	15	1	N/A
LLEC136	4	3/16	15	2	L 1/3
LLEC170	5	3/16	15	2	L 1/2
LLEC204	6	3/16	15	3	L 3/4
LLEC235	6	3/16	15	3	L 3/4

Nozzle selections for Low Temp DX applications only

Assumptions: 20°F Liquid temperature

-20°F SST 10°F TD

Low Temperature DX Medium Profile

Capacities Electric Defrost, 6 FPI

Model	Capacity	Fan Data		HP	PSC, PSC-TE Motor Data		Fan Motor Data (EC)		Defrost Heaters				
	10°F TD -20°F SST BTUH	No.	CFM		460/1/60		208-230/1/60		Watts	230/1/60	230/3/60	460/1/60	460/3/60
	Amps				Watts	Amps	Watts	Amps		Amps	Amps	Amps	
BMEC101	10,100	1	2,350	1/4	1.0	305	1.4	275	2,730	11.9	8.2	5.9	4.1
BMEC140	14,000	1	2,250	1/4	1.0	305	1.4	215	2,730	11.9	8.2	5.9	4.1
BMEC190	19,000	2	4,700	1/4	2.0	610	2.8	430	5,350	23.3	16.0	11.6	8.3
BMEC260	26,000	2	4,500	1/4	2.0	610	2.8	430	5,350	23.3	16.0	11.6	8.3
BMEC310	31,000	3	7,050	1/4	3.0	915	4.2	645	7,750	33.7	23.2	16.8	12.0
BMEC390	39,000	3	6,750	1/4	3.0	915	4.2	645	7,750	33.7	23.2	16.8	12.0
BMEC430	43,000	4	8,800	1/4	4.0	1,220	5.6	860	10,200	-	30.5	22.2	15.8
BMEC520	52,000	4	8,400	1/4	4.0	1,220	5.6	860	10,200	-	30.5	22.2	15.8
BMEC620	62,000	5	10,000	1/4	5.0	1,525	7.0	1,075	11,600	-	34.7	25.2	18.1

Capacities Electric Defrost, 4.5 FPI

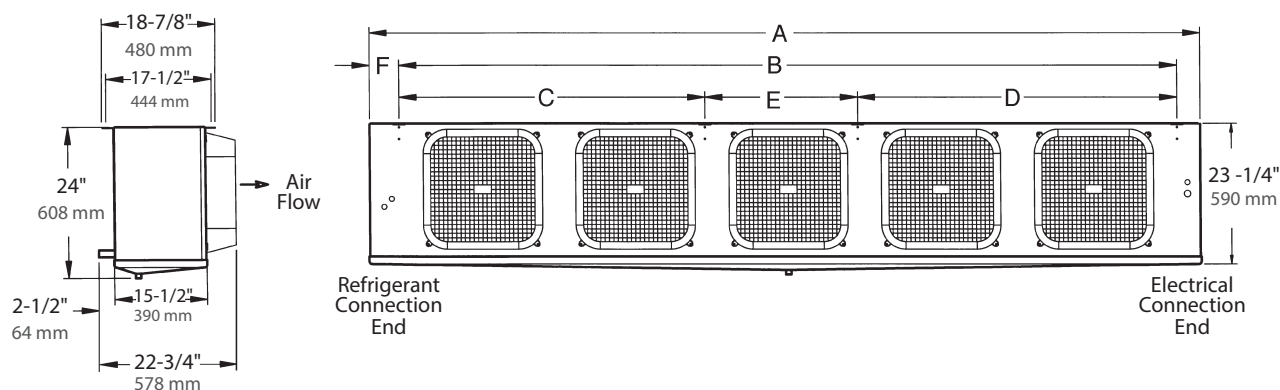
Model	Capacity	Fan Data		HP	PSC, PSC-TE Motor Data		Fan Motor Data (EC)		Defrost Heaters				
	10°F TD -20°F SST	No.	CFM		460/1/60		208-230/1/60		Watts	230/1/60	230/3/60	460/1/60	460/3/60
	BTUH				Amps	Watts	Amps	Watts		Amps	Amps	Amps	Amps
BMLC100	10,000	1	2,325	1/4	1.0	275	1.4	275	2,730	11.9	8.2	5.9	4.1
BMLC165	16,500	2	4,900	1/4	2.0	550	2.8	550	5,350	23.3	16.0	11.6	8.3
BMLC220	22,000	2	4,650	1/4	2.0	550	2.8	550	5,350	23.3	16.0	11.6	8.3
BMLC250	25,000	3	7,350	1/4	3.0	825	4.2	825	7,750	33.7	23.2	16.8	12.0
BMLC330	33,000	3	6,975	1/4	3.0	825	4.2	825	7,750	33.7	23.2	16.8	12.0
BMLC370	37,000	4	9,100	1/4	4.0	1,220	5.6	860	10,200	-	30.5	22.2	15.8
BMLC440	44,000	4	8,700	1/4	4.0	1,220	5.6	860	10,200	-	30.5	22.2	15.8
BMLC530	53,000	5	10,350	1/4	5.0	1,525	7.0	1,075	11,600	-	34.7	25.2	18.1

Physical Data Electric Defrost, 6 & 4.5 FPI

Model	No. of Fans	Coil Data			Condensate Drain	Defrost Type	Approx. Net Wt.
		FPI	Coil Inlet	Suction			lbs.
BMEC101	1	6	1/2	1/2	3/4 FPT	Electric	118
BMEC140	1	6	1/2	1/2	3/4 FPT	Electric	126
BMEC190	2	6	1/2	1/2	3/4 FPT	Electric	138
BMEC260	2	6	1/2	5/8	3/4 FPT	Electric	153
BMEC310	3	6	1/2	5/8	3/4 FPT	Electric	210
BMEC390	3	6	1/2	7/8	3/4 FPT	Electric	237
BMEC430	4	6	1/2	7/8	3/4 FPT	Electric	267
BMEC520	4	6	1/2	7/8	3/4 FPT	Electric	300
BMEC620	5	6	1/2	7/8	3/4 FPT	Electric	338
BMLC100	1	4.5	1/2	1/2	3/4 FPT	Electric	125
BMLC165	2	4.5	1/2	1/2	3/4 FPT	Electric	136
BMLC220	2	4.5	1/2	1/2	3/4 FPT	Electric	151
BMLC250	3	4.5	1/2	5/8	3/4 FPT	Electric	207
BMLC330	3	4.5	1/2	5/8	3/4 FPT	Electric	234
BMLC370	4	4.5	1/2	7/8	3/4 FPT	Electric	262
BMLC440	4	4.5	1/2	7/8	3/4 FPT	Electric	295
BMLC530	5	4.5	1/2	7/8	3/4 FPT	Electric	332

Low Temperature DX Medium Profile

Dimensional Diagram Electric Defrost



Dimensional Data Electric Defrost

Model	No. of Fans	Dimensions											
		A		B		C		D		E		F	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
BMEC101	1	39-5/16	1,000	30-1/4	770	-	-	-	-	-	-	4-15/16	125
BMEC140	1	39-5/16	1,000	30-1/4	770	-	-	-	-	-	-	4-15/16	125
BMEC190	2	67-5/16	1,710	58-1/4	1,480	-	-	-	-	-	-	4-15/16	125
BMEC260	2	67-5/16	1,710	58-1/4	1,480	-	-	-	-	-	-	4-15/16	125
BMEC310	3	95-5/16	2,420	86-1/4	2,190	-	-	-	-	-	-	4-15/16	125
BMEC390	3	95-5/16	2,420	86-1/4	2,190	-	-	-	-	-	-	4-15/16	125
BMEC430	4	123-5/16	3,130	114-1/4	2,900	56	1,420	58-1/4	1,480	-	-	4-15/16	125
BMEC520	4	123-5/16	3,130	114-1/4	2,900	56	1,420	58-1/4	1,480	-	-	4-15/16	125
BMEC620	5	138-13/16	3,530	129-3/4	3,300	51	1,300	53-1/4	1,350	25-1/2	650	4-15/16	125
BMLC100	1	39-5/16	1,000	30-1/4	770	-	-	-	-	-	-	4-15/16	125
BMLC165	2	67-5/16	1,710	58-1/4	1,480	-	-	-	-	-	-	4-15/16	125
BMLC220	2	67-5/16	1,710	58-1/4	1,480	-	-	-	-	-	-	4-15/16	125
BMLC250	3	95-5/16	2,420	86-1/4	2,190	-	-	-	-	-	-	4-15/16	125
BMLC330	3	95-5/16	2,420	86-1/4	2,190	-	-	-	-	-	-	4-15/16	125
BMLC370	4	123-5/16	3,130	114-1/4	2,900	56	1,420	58-1/4	1,480	-	-	4-15/16	125
BMLC440	4	123-5/16	3,130	114-1/4	2,900	56	1,420	58-1/4	1,480	-	-	4-15/16	125
BMLC530	5	138-13/16	3,530	129-3/4	3,300	51	1,300	53-1/4	1,350	25-1/2	650	4-15/16	125

Nozzle Selection Electric Defrost

Model	No. of Fans	Distributor Tube (in.)		No. of Circuits	CO ₂ Nozzle
		OD	Length		
BMEC101	1	3/16	21-1/2	2	L 1/4
BMEC140	1	3/16	21-1/2	2	L 1/4
BMEC190	2	3/16	21-1/2	2	L 1/2
BMEC260	2	3/16	21-1/2	3	L 3/4
BMEC310	3	3/16	21-1/2	3	L 3/4
BMEC390	3	3/16	21-1/2	4	L 1
BMEC430	4	3/16	21-1/2	5	L 1-1/2

Nozzle selections for Low Temp DX applications only
Assumptions: 20°F Liquid temperature
-20°F SST 10°F TD

Low Temperature DX Medium Profile

Nozzle Selection Electric Defrost (Continued)

Model	No. of Fans	Distributor Tube (in.)		No. of Circuits	CO ₂ Nozzle
		OD	Length		
BMEC520	4	3/16	21-1/2	6	L 1-1/2
BMEC620	5	3/16	21-1/2	7	L 2
BMLC100	1	3/16	21-1/2	2	L 1/4
BMLC165	2	3/16	21-1/2	2	L 1/2
BMLC220	2	3/16	21-1/2	3	L 3/4
BMLC250	3	3/16	21-1/2	3	L 3/4
BMLC330	3	3/16	21-1/2	4	L 1
BMLC370	4	3/16	21-1/2	5	L 1
BMLC440	4	3/16	21-1/2	5	L 1-1/2
BMLC530	5	3/16	21-1/2	4	L 1-1/2

Nozzle selections for Low Temp DX applications only
 Assumptions: 20°F Liquid temperature
 -20°F SST 10°F TD

Low Temperature DX Center Mount

Capacities Electric Defrost

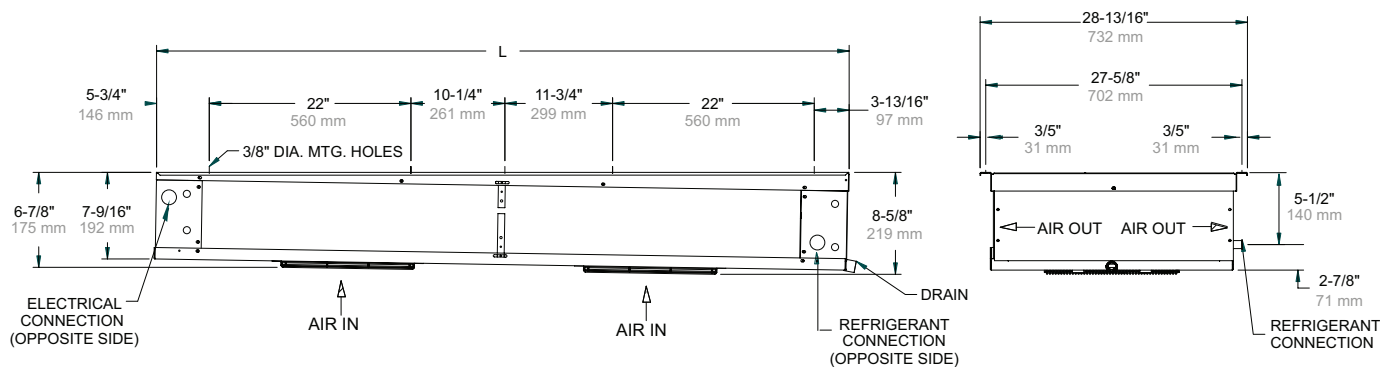
Model	Capacity	Fan Data		Fan Motor Data (EC)			Defrost Heaters	
	10°F TD -20°F SST	No.	CFM	HP	208-230/1/60		230/1/60	
	BTUH				Amps	Watts	Amps	Watts
SMEC040	4,000	1	610	1/15	0.5	55	5.3	1200
SMEC054	5,400	2	1,300	1/15	1.0	110	8.7	2000
SMEC065	6,500	2	1,260	1/15	1.0	110	8.7	2000
SMEC090	9,000	3	1,950	1/15	1.5	165	10.5	2400
SMEC130	13,000	3	1,830	1/15	1.5	165	15.7	3600
SMEC174	17,400	4	2,440	1/15	2.0	220	20.9	4800

Physical Data Electric Defrost

Model	No. of Fans	Coil Data			Condensate Drain	Defrost Type	Approx. Net Wt.
		FPI	Inlet OD	Suction OD			lbs.
SMEC040	1	6	3/8	1/2	3/4 FPT	Electric	90
SMEC054	2	6	3/8	1/2	3/4 FPT	Electric	120
SMEC065	2	6	3/8	1/2	3/4 FPT	Electric	120
SMEC090	3	6	1/2	1/2	3/4 FPT	Electric	160
SMEC130	3	6	1/2	1/2	3/4 FPT	Electric	174
SMEC174	4	6	1/2	1/2	3/4 FPT	Electric	218

Low Temperature DX Center Mount

Dimensional Diagram Electric Defrost



Dimensional Data Electric Defrost

Model	No. of Fans	Dimensions (in.)
		L
SMEC040	1	31-1/2
SMEC054	2	53-1/2
SMEC065	2	53-1/2
SMEC090	3	75-1/2
SMEC130	3	75-1/2
SMEC174	4	97-1/2

Nozzle Selection Electric Defrost

Model	No. of Fans	Distributor Tube (in.)		No. of Circuits	CO ₂ Nozzle
		OD	Length		
SMEC040	1	3/16	18	2	L 1/9
SMEC054	2	3/16	18	2	L 1/6
SMEC065	2	3/16	18	2	L 1/6
SMEC090	3	3/16	18	2	L 1/4
SMEC130	3	3/16	18	2	L 1/3
SMEC174	4	3/16	18	2	L 1/2

Nozzle selections for Low Temp DX applications only

Assumptions: 20°F Liquid temperature

-20°F SST 10°F TD

Medium Temperature DX Low Profile

Capacities Air Defrost

Model	Capacity	Fan Data		Fan Motor Data (EC)				
	10°F TD 25°F SST	No.	CFM	HP	115/1/60		208-230/1/60	
	BTUH				Amps	Watts	Amps	Watts
ADTY040	4,000	1	730	1/15	0.9	57	0.5	59
ADTY052	5,200	1	700	1/15	0.9	57	0.5	59
ADTY065	6,500	1	650	1/15	0.9	57	0.5	59
ADTY070	7,000	2	1,460	1/15	1.8	114	1.0	118
ADTY090	9,000	2	1,400	1/15	1.8	114	1.0	118
ADTY104	10,400	2	1,400	1/15	1.8	114	1.0	118
ADTY120	12,000	2	1,300	1/15	1.8	114	1.0	118
ADTY130	13,000	2	1,300	1/15	1.8	114	1.0	118
ADTY140	14,000	2	2,100	1/15	2.7	171	1.5	177
ADTY156	15,600	3	2,100	1/15	2.7	171	1.5	177
ADTY180	18,000	3	1,950	1/15	2.7	171	1.5	177
ADTY208	20,800	4	2,800	1/15	3.6	228	2.0	236
ADTY260	26,000	5	3,250	1/15	4.5	285	2.5	295
ADTY312	31,200	6	3,900	1/15	5.4	342	3.0	354
ADTY370	37,000	6	3,900	1/15	5.4	342	3.0	354

Capacities Electric Defrost

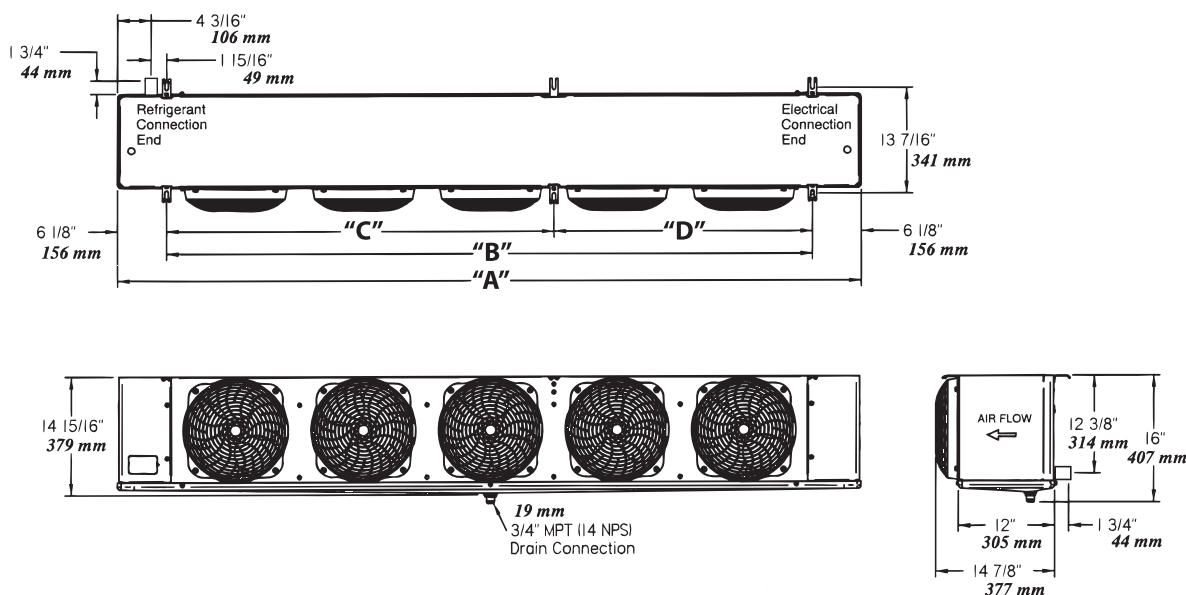
Model	Capacity	Fan Data		Fan Motor Data (EC)			Defrost Heaters		
	10°F TD 25°F SST	No.	CFM	HP	208-230/1/60		Watts	230/1/60	230/3/60
	BTUH				Amps	Watts		Amps	Amps
LETY035	4,025	1	700	1/15	0.5	59	900	3.9	2.3
LETY040	4,600	1	700	1/15	0.5	59	900	3.9	2.3
LETY047	5,405	1	650	1/15	0.5	59	900	3.9	2.3
LETY065	7,475	2	1,400	1/15	1.0	118	1,800	7.8	4.5
LETY075	8,625	2	1,300	1/15	1.0	118	1,800	7.8	4.5
LETY090	10,350	2	1,300	1/15	1.0	118	1,800	7.8	4.5
LETY120	13,800	3	2,100	1/15	1.5	177	2,700	11.7	6.8
LETY140	16,100	3	1,950	1/15	1.5	177	2,700	11.7	6.8
LETY160	18,400	4	2,600	1/15	2.0	236	3,600	15.7	9.0
LETY180	20,700	4	2,600	1/15	2.0	236	3,600	15.7	9.0
LETY200	23,000	5	3,250	1/15	2.5	295	4,500	19.6	11.3
LETY240	27,600	6	3,900	1/15	3.0	354	5,400	23.5	13.6
LETY280	32,200	6	3,900	1/15	3.0	354	5,400	23.5	13.6

Medium Temperature DX Low Profile

Physical Data Air & Electric Defrost

Model	No. of Fans	Coil Data			Condensate Drain	Defrost Type	Approx. Net Wt.
		FPI	Coil Inlet	Coil Outlet			lbs.
ADTY040	1	6	3/8	1/2	3/4 FPT	Air	28
ADTY052	1	6	3/8	3/8	3/4 FPT	Air	31
ADTY065	1	6	3/8	3/8	3/4 FPT	Air	34
ADTY070	2	6	3/8	3/8	3/4 FPT	Air	45
ADTY090	2	6	3/8	3/8	3/4 FPT	Air	48
ADTY104	2	6	3/8	3/8	3/4 FPT	Air	49
ADTY120	2	6	3/8	3/8	3/4 FPT	Air	51
ADTY130	2	6	3/8	3/8	3/4 FPT	Air	53
ADTY140	2	6	3/8	3/8	3/4 FPT	Air	63
ADTY156	3	6	3/8	3/8	3/4 FPT	Air	67
ADTY180	3	6	3/8	3/8	3/4 FPT	Air	69
ADTY208	4	6	3/8	3/8	3/4 FPT	Air	82
ADTY260	5	6	3/8	1/2	3/4 FPT	Air	103
ADTY312	6	6	3/8	1/2	3/4 FPT	Air	124
ADTY370	6	6	3/8	1/2	3/4 FPT	Air	127
LETY035	1	6	3/8	3/8	3/4 FPT	Electric	24
LETY040	1	6	3/8	3/8	3/4 FPT	Electric	26
LETY047	1	6	3/8	3/8	3/4 FPT	Electric	29
LETY065	2	6	3/8	3/8	3/4 FPT	Electric	43
LETY075	2	6	3/8	3/8	3/4 FPT	Electric	45
LETY090	2	6	3/8	3/8	3/4 FPT	Electric	48
LETY120	3	6	3/8	3/8	3/4 FPT	Electric	60
LETY140	3	6	3/8	3/8	3/4 FPT	Electric	62
LETY160	4	6	3/8	3/8	3/4 FPT	Electric	81
LETY180	4	6	3/8	3/8	3/4 FPT	Electric	84
LETY200	5	6	3/8	3/8	3/4 FPT	Electric	101
LETY240	6	6	3/8	1/2	3/4 FPT	Electric	121
LETY280	6	6	3/8	1/2	3/4 FPT	Electric	124

Dimensional Diagram Air & Electric Defrost



Medium Temperature DX Low Profile

Dimensional Data Air & Electric Defrost

Model	No. of Fans	Dimensions							
		A		B		C		D	
		in.	mm	in.	mm	in.	mm	in.	mm
ADTY040	1	29.50	749	17.25	438	-	-	-	-
ADTY052	1	29.50	749	17.25	438	-	-	-	-
ADTY065	1	29.50	749	17.25	438	-	-	-	-
ADTY070	2	45.50	1,156	33.25	845	-	-	-	-
ADTY090	2	45.50	1,156	33.25	845	-	-	-	-
ADTY104	2	45.50	1,156	33.25	845	-	-	-	-
ADTY120	2	45.50	1,156	33.25	845	-	-	-	-
ADTY130	2	45.50	1,156	33.25	845	-	-	-	-
ADTY140	3	61.50	1,562	49.25	1,251	-	-	-	-
ADTY156	3	61.50	1,562	49.25	1,251	-	-	-	-
ADTY180	3	61.50	1,562	49.25	1,251	-	-	-	-
ADTY208	4	77.50	1,969	65.25	1,657	-	-	-	-
ADTY260	5	93.50	2,375	81.25	2,064	48.63	1,235	32.63	829
ADTY312	6	109.50	2,781	97.25	2,470	48.63	1,235	48.63	1,235
ADTY370	6	109.50	2,781	97.25	2,470	48.63	1,235	48.63	1,235
LETY035	1	29.50	749	17.25	438	-	-	-	-
LETY040	1	29.50	749	17.25	438	-	-	-	-
LETY047	1	29.50	749	17.25	438	-	-	-	-
LETY065	2	45.50	1,156	33.25	845	-	-	-	-
LETY075	2	45.50	1,156	33.25	845	-	-	-	-
LETY090	2	45.50	1,156	33.25	845	-	-	-	-
LETY120	3	61.50	1,562	49.25	1,251	-	-	-	-
LETY140	3	61.50	1,562	49.25	1,251	-	-	-	-
LETY160	4	77.50	1,969	65.25	1,657	-	-	-	-
LETY200	5	93.50	2,375	81.25	2,064	48.63	1,235	32.63	829
LETY240	6	109.50	2,781	97.25	2,470	48.63	1,235	48.63	1,235
LETY280	6	109.50	2,781	97.25	2,470	48.63	1,235	48.63	1,235

NOTE: Hanger brackets will accept 3/8"/10 mm threaded rod

Nozzle Selection Air & Electric Defrost

Model	No. of Fans	Distributor Tube (in.)		No. of Circuits	CO ₂ Nozzle
		OD	Length		
ADTY040	1	3/16	15	1	N/A
ADTY052	1	3/16	15	1	N/A
ADTY065	1	3/16	15	1	N/A
ADTY070	2	3/16	15	1	N/A
ADTY090	2	3/16	15	1	N/A
ADTY104	2	3/16	15	1	N/A
ADTY120	2	3/16	15	1	N/A
ADTY130	2	3/16	15	1	N/A

Medium Temperature DX Low Profile

Nozzle Selection Air & Electric Defrost (cont.)

Model	No. of Fans	Distributor Tube (in.)		No. of Circuits	CO ₂ Nozzle
		OD	Length		
ADTY140	3	3/16	15	1	N/A
ADTY156	3	3/16	15	2	L 1/3
ADTY180	3	3/16	15	2	L 1/3
ADTY208	4	3/16	15	2	L 1/2
ADTY260	5	3/16	15	2	L 1/2
ADTY312	6	3/16	15	3	L 3/4
ADTY370	6	3/16	15	3	L 3/4
LETY035	1	3/16	15	1	N/A
LETY040	1	3/16	15	1	N/A
LETY047	1	3/16	15	1	N/A
LETY065	2	3/16	15	1	N/A
LETY075	2	3/16	15	1	N/A
LETY090	2	3/16	15	1	N/A
LETY120	3	3/16	15	1	N/A
LETY140	3	3/16	15	1	L 1/4
LETY160	4	3/16	15	1	L 1/3
LETY200	5	3/16	15	2	L 1/3
LETY240	6	3/16	15	2	L 1/2
LETY280	6	3/16	15	2	L 1/2

Nozzle selections for Medium Temp DX applications only

Assumptions: 38°F Liquid temperature

25°F SST 10°F TD

Medium Temperature DX Low Velocity

Capacities Air Defrost

Model	Capacity	Fan Data		Fan Motor Data (EC)				
	10°F TD 25°F SST	No.	CFM	HP	115/1/60		208-230/1/60	
	BTUH				Amps	Watts	Amps	Watts
WKAY050	5,000	1	725	1/15	0.9	55	0.5	55
WKAY075	7,500	1	730	1/15	0.9	55	0.5	55
WKAY100	10,000	2	1,450	1/15	1.8	110	1.0	110
WKAY130	13,000	2	1,470	1/15	1.8	110	1.0	110
WKAY155	15,500	2	1,460	1/15	1.8	110	1.0	110
WKAY180	18,000	3	2,130	1/15	2.7	165	1.5	165
WKAY210	21,000	4	2,840	1/15	3.6	220	2.0	220
WKAY270	27,000	4	2,800	1/15	3.6	220	2.0	220
WKAY340	34,000	5	3,500	1/15	4.5	275	2.5	275

Medium Temperature DX Low Velocity

Capacities Electric Defrost

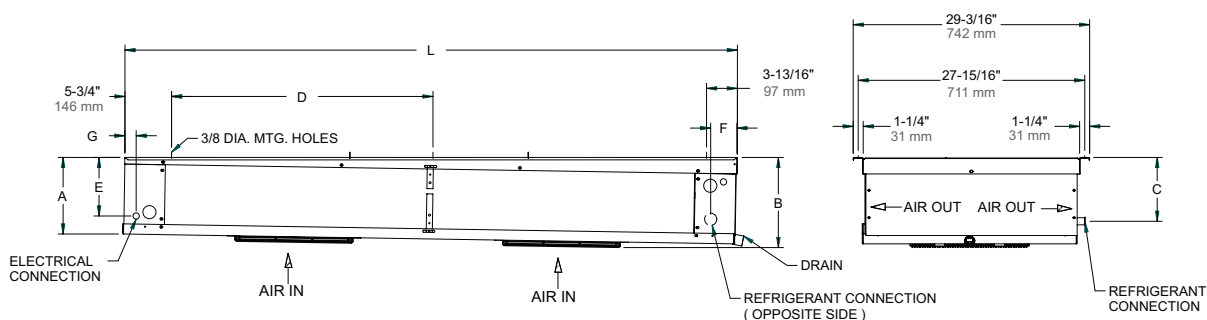
Model	Capacity	Fan Data		Fan Motor Data (EC)			Defrost Heaters	
	10°F TD 25°F SST	No.	CFM	HP	208-230/1/60		Watts	230/1/60 Amps
	BTUH				Amps	Watts		
WKEY050	5,000	1	725	1/15	0.5	55	2,000	8.7
WKEY075	7,500	1	730	1/15	0.5	55	2,400	10.5
WKEY100	10,000	2	1,450	1/15	1.0	110	2,800	12.2
WKEY130	13,000	2	1,470	1/15	1.0	110	4,000	17.4
WKEY155	15,500	2	1,460	1/15	1.0	110	4,000	17.4
WKEY180	18,000	3	2,130	1/15	1.5	165	4,000	17.4
WKEY210	21,000	4	2,840	1/15	2.0	220	5,200	22.6
WKEY270	27,000	4	2,800	1/15	2.0	220	5,200	22.6
WKEY340	34,000	5	3,500	1/15	2.5	275	7,000	30.4

Physical Data Air & Electric Defrost

Model	No. of Fans	Coil Data			Condensate Drain	Defrost Type	Approx. Net Wt.
		FPI	Coil Inlet	Coil Outlet			lbs.
WKAY050	1	6	3/8	1/2	3/4 FPT	Air	70
WKAY075	1	6	3/8	1/2	3/4 FPT	Air	103
WKAY100	2	6	3/8	1/2	3/4 FPT	Air	106
WKAY130	2	6	3/8	1/2	3/4 FPT	Air	145
WKAY155	2	6	3/8	1/2	3/4 FPT	Air	149
WKAY180	3	6	3/8	1/2	3/4 FPT	Air	160
WKAY210	4	6	3/8	1/2	3/4 FPT	Air	193
WKAY270	4	6	3/8	1/2	3/4 FPT	Air	200
WKAY340	5	6	3/8	1/2	3/4 FPT	Air	242
WKEY050	1	6	3/8	1/2	3/4 FPT	Electric	75
WKEY075	1	6	3/8	1/2	3/4 FPT	Electric	108
WKEY100	2	6	3/8	1/2	3/4 FPT	Electric	111
WKEY130	2	6	3/8	1/2	3/4 FPT	Electric	150
WKEY155	2	6	3/8	1/2	3/4 FPT	Electric	154
WKEY180	3	6	3/8	1/2	3/4 FPT	Electric	157
WKEY210	4	6	3/8	1/2	3/4 FPT	Electric	203
WKEY270	4	6	3/8	1/2	3/4 FPT	Electric	208
WKEY340	5	6	3/8	1/2	3/4 FPT	Electric	250

Medium Temperature DX Low Velocity

Dimensional Diagram Air & Electric Defrost



Dimensional Data Air & Electric Defrost

Model	No. of Fans	Dimensions															
		A		B		C		D		E		F		G		L	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
WKAY050	1	6-7/8	175	8-7/8	225	4-1/16	103	-	-	4-5/8	118	3-1/4	83	1-5/8	41	53-1/2	1,359
WKAY075	1	6-7/8	175	8-7/8	225	4-1/16	103	-	-	4-5/8	118	3-1/4	83	1-5/8	41	75-1/2	1,918
WKAY100	2	9-3/8	238	11-3/8	289	6-9/16	167	-	-	7-1/8	181	3-1/4	83	1-5/8	41	75-1/2	1,918
WKAY130	2	13-1/8	333	15-1/8	384	10-1/8	257	-	-	8-1/2	216	2-11/16	68	1-1/8	29	75-1/2	1,918
WKAY155	2	13-1/8	333	15-1/8	384	10-1/8	257	-	-	8-1/2	216	2-11/16	68	1-1/8	29	75-1/2	1,918
WKAY180	3	13-1/8	333	15-1/8	384	10-1/8	257	-	-	8-1/2	216	2-11/16	68	1-1/8	29	75-1/2	1,918
WKAY210	4	13-1/8	333	15-1/8	384	10-1/8	257	44	1,118	8-1/2	216	2-11/16	68	1-1/8	29	97-1/2	2,477
WKAY270	4	13-1/8	333	15-1/8	384	10-1/8	257	44	1,118	8-1/2	216	2-11/16	68	1-1/8	29	97-1/2	2,477
WKAY340	5	13-1/8	333	15-1/8	384	10-1/8	257	55	1,397	8-1/2	216	2-11/16	68	1-1/8	29	119-1/2	3,035
WKEY050	1	6-7/8	175	8-7/8	225	4-1/16	103	-	-	4-5/8	118	3-1/4	83	1-5/8	41	53-1/2	1,359
WKEY075	1	6-7/8	175	8-7/8	225	4-1/16	103	-	-	4-5/8	118	3-1/4	83	1-5/8	41	75-1/2	1,918
WKEY100	2	9-3/8	238	11-3/8	289	6-9/16	167	-	-	7-1/8	181	3-1/4	83	1-5/8	41	75-1/2	1,918
WKEY130	2	13-1/8	333	15-1/8	384	10-1/8	257	-	-	8-1/2	216	2-11/16	68	1-1/8	29	75-1/2	1,918
WKEY155	2	13-1/8	333	15-1/8	384	10-1/8	257	-	-	8-1/2	216	2-11/16	68	1-1/8	29	75-1/2	1,918
WKEY180	3	13-1/8	333	15-1/8	384	10-1/8	257	-	-	8-1/2	216	2-11/16	68	1-1/8	29	75-1/2	1,918
WKEY210	4	13-1/8	333	15-1/8	384	10-1/8	257	44	1,118	8-1/2	216	2-11/16	68	1-1/8	29	97-1/2	2,477
WKEY270	4	13-1/8	333	15-1/8	384	10-1/8	257	44	1,118	8-1/2	216	2-11/16	68	1-1/8	29	97-1/2	2,477
WKEY340	5	13-1/8	333	15-1/8	384	10-1/8	257	55	1,397	8-1/2	216	2-11/16	68	1-1/8	29	119-1/2	3,035

NOTE: 3/8" diameter mounting holes

Medium Temperature DX Low Velocity

Nozzle Selection Air & Electric Defrost

Model	No. of Fans	Distributor Tube (in.)		No. of Circuits	CO ₂ Nozzle
		OD	Length		
WKAY050	1	3/16	18	2	L 1/9
WKAY075	1	3/16	18	2	L 1/6
WKAY100	2	3/16	18	2	L1/4
WKAY130	2	3/16	18	2	L1/4
WKAY155	2	3/16	18	2	L 1/4
WKAY180	3	3/16	18	2	L 1/3
WKAY210	4	3/16	18	2	L 1/2
WKAY270	4	3/16	18	2	L 1/2
WKAY340	5	3/16	18	4	L 3/4
WKEY050	1	3/16	18	2	L 1/9
WKEY075	1	3/16	18	2	L 1/6
WKEY100	2	3/16	18	2	L1/4
WKEY130	2	3/16	18	2	L1/4
WKEY155	2	3/16	18	2	L 1/4
WKEY180	3	3/16	18	2	L 1/3
WKEY210	4	3/16	18	2	L 1/2
WKEY270	4	3/16	18	2	L 1/2
WKEY340	5	3/16	18	4	L 3/4

Nozzle selections for Medium Temp DX applications only

Assumptions: 38°F Liquid temperature

25°F SST 10°F TD

Medium Temperature DX Medium Profile

Capacities Air Defrost

Model	Capacity	Fan Data		Fan Motor Data (EC)				
	10°F TD 25°F SST	No.	CFM	HP	115/1/60		208-230/1/60	
	BTUH				Amps	Watts	Amps	Watts
BMAY130	13,000	1	2,300	1/4	2.8	210	1.4	205
BMAY155	15,500	1	2,200	1/4	2.8	210	1.4	205
BMAY245	24,500	2	4,600	1/4	5.6	420	2.8	410
BMAY300	30,000	2	4,400	1/4	5.6	420	2.8	410
BMAY365	36,500	3	6,900	1/4	8.4	630	4.2	615
BMAY450	45,000	3	6,600	1/4	8.4	630	4.2	615
BMAY510	51,000	4	9,200	1/4	11.2	840	5.6	860
BMAY600	60,000	4	8,800	1/4	11.2	840	5.6	860
BMAY710	71,000	5	10,500	1/4	14.0	1,050	7.0	1,075

Medium Temperature DX Medium Profile

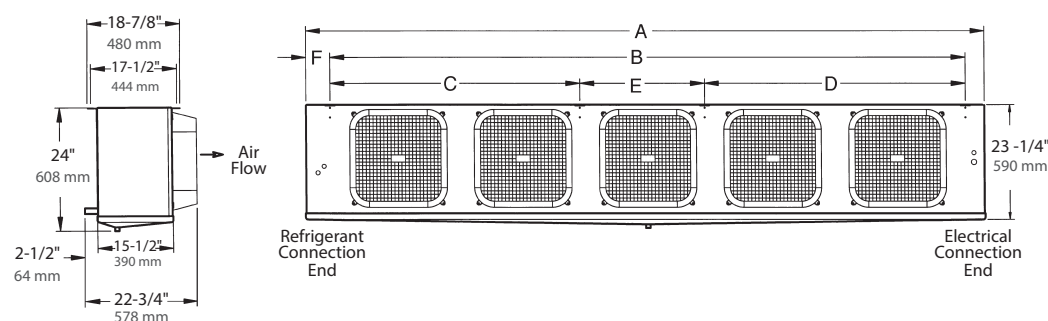
Capacities Electric Defrost

Model	Capacity	Fan Data		Fan Motor Data (EC)			Defrost Heaters	
	10°F TD 25°F SST	No.	CFM	HP	208-230/1/60		Watts	230/1/60
	BTUH				Amps	Watts		Amps
BMEY101	10,100	1	2,350	1/4	1.4	215	2,730	11.9
BMEY140	14,000	1	2,250	1/4	1.4	215	2,730	11.9
BMEY190	19,000	2	4,700	1/4	2.8	430	5,350	23.3
BMEY260	26,000	2	4,500	1/4	2.8	430	5,350	23.3
BMEY310	31,000	3	7,050	1/4	4.2	645	7,750	33.7
BMEY390	39,000	3	6,750	1/4	4.2	645	7,750	33.7
BMEY430	43,000	4	8,800	1/4	5.6	860	10,200	-
BMEY520	52,000	4	8,400	1/4	5.6	860	10,200	-
BMEY620	62,000	5	10,000	1/4	7.0	1,075	11,600	-

Physical Data Air & Electric Defrost

Model	No. of Fans	Coil Data			Condensate Drain	Defrost Type	Approx. Net Wt.
		FPI	Coil Inlet	Coil Outlet			lbs.
BMAY130	1	6	3/8	3/8	3/4 FPT	Air	115
BMAY155	1	6	3/8	3/8	3/4 FPT	Air	123
BMAY245	2	6	3/8	1/2	3/4 FPT	Air	134
BMAY300	2	6	3/8	1/2	3/4 FPT	Air	148
BMAY365	3	6	3/8	1/2	3/4 FPT	Air	200
BMAY450	3	6	1/2	5/8	3/4 FPT	Air	227
BMAY510	4	6	1/2	5/8	3/4 FPT	Air	230
BMAY600	4	6	1/2	5/8	3/4 FPT	Air	255
BMAY710	5	6	5/8	7/8	3/4 FPT	Air	285
BMEY101	1	6	3/8	3/8	3/4 FPT	Electric	118
BMEY140	1	6	3/8	3/8	3/4 FPT	Electric	126
BMEY190	2	6	3/8	3/8	3/4 FPT	Electric	138
BMEY260	2	6	3/8	1/2	3/4 FPT	Electric	153
BMEY310	3	6	3/8	1/2	3/4 FPT	Electric	210
BMEY390	3	6	1/2	1/2	3/4 FPT	Electric	237
BMEY430	4	6	1/2	1/2	3/4 FPT	Electric	267
BMEY520	4	6	1/2	5/8	3/4 FPT	Electric	300
BMEY620	5	6	1/2	5/8	3/4 FPT	Electric	338

Dimensional Diagram Air & Electric Defrost



Medium Temperature DX Medium Profile

Dimensional Data Air & Electric Defrost

Model	No. of Fans	Dimensions											
		A		B		C		D		E		F	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
BMAY130	1	39-5/16	1,000	30-1/4	770	-	-	-	-	-	-	4-15/16	125
BMAY155	1	39-5/16	1,000	30-1/4	770	-	-	-	-	-	-	4-15/16	125
BMAY245	2	67-5/16	1,710	58-1/4	1,480	-	-	-	-	-	-	4-15/16	125
BMAY300	2	67-5/16	1,710	58-1/4	1,480	-	-	-	-	-	-	4-15/16	125
BMAY365	3	95-5/16	2,420	86-1/4	2,190	-	-	-	-	-	-	4-15/16	125
BMAY450	3	95-5/16	2,420	86-1/4	2,190	-	-	-	-	-	-	4-15/16	125
BMAY510	4	123-5/16	3,130	114-1/4	2,900	56	1,420	58-1/4	1,480	-	-	4-15/16	125
BMAY600	4	123-5/16	3,130	114-1/4	2,900	56	1,420	58-1/4	1,480	-	-	4-15/16	125
BMAY710	5	138-13/16	3,530	129-3/4	3,300	51	1,300	53-1/4	1,350	25-1/2	650	4-15/16	125
BMEY101	1	39-5/16	1,000	30-1/4	770	-	-	-	-	-	-	4-15/16	125
BMEY140	1	39-5/16	1,000	30-1/4	770	-	-	-	-	-	-	4-15/16	125
BMEY190	2	67-5/16	1,710	58-1/4	1,480	-	-	-	-	-	-	4-15/16	125
BMEY260	2	67-5/16	1,710	58-1/4	1,480	-	-	-	-	-	-	4-15/16	125
BMEY310	3	95-5/16	2,420	86-1/4	2,190	-	-	-	-	-	-	4-15/16	125
BMEY390	3	95-5/16	2,420	86-1/4	2,190	-	-	-	-	-	-	4-15/16	125
BMEY430	4	123-5/16	3,130	114-1/4	2,900	56	1,420	58-1/4	1,480	-	-	4-15/16	125
BMEY520	4	123-5/16	3,130	114-1/4	2,900	56	1,420	58-1/4	1,480	-	-	4-15/16	125
BMEY620	5	138-13/16	3,530	129-3/4	3,300	51	1,300	53-1/4	1,350	25-1/2	650	4-15/16	125

NOTE: Hanger brackets will accept up to 1/2"/12 mm threaded rod

Nozzle Selection Air & Electric Defrost

Model	No. of Fans	Distributor Tube (in.)		No. of Circuits	CO ₂ Nozzle
		OD	Length		
BMAY130	1	3/16	21-1/2	1	N/A
BMAY155	1	3/16	21-1/2	2	L 1/4
BMAY245	2	3/16	21-1/2	2	L 1/2
BMAY300	2	3/16	21-1/2	3	L 3/4
BMAY365	3	3/16	21-1/2	3	L 3/4
BMAY450	3	3/16	21-1/2	4	L 1
BMAY510	4	3/16	21-1/2	4	L 1
BMAY600	4	3/16	21-1/2	6	L 1-1/2
BMAY710	5	3/16	21-1/2	6	L 1-1/2
BMEY101	1	3/16	21-1/2	1	N/A
BMEY140	1	3/16	21-1/2	2	L 1/4
BMEY190	2	3/16	21-1/2	2	L 1/3
BMEY260	2	3/16	21-1/2	3	L 1/2
BMEY310	3	3/16	21-1/2	3	L 3/4
BMEY390	3	3/16	21-1/2	4	L 3/4
BMEY430	4	3/16	21-1/2	4	L 1
BMEY520	4	3/16	21-1/2	4	L 1
BMEY620	5	3/16	21-1/2	6	L 1-1/2

Nozzle selections for Medium Temp DX applications only

Assumptions: 38°F Liquid temperature

25°F SST 10°F TD

Notes

Notes



For more information on Bohn refrigeration products, contact your sales representative or visit us at www.heatcrafttrpd.com.

BOHN

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