LK-LOP | **MAY 2021**
Replaces August 2020

LOW PROFILE UNIT COOLERS

Technical Guide

Including models meeting DOE minimum AWEF

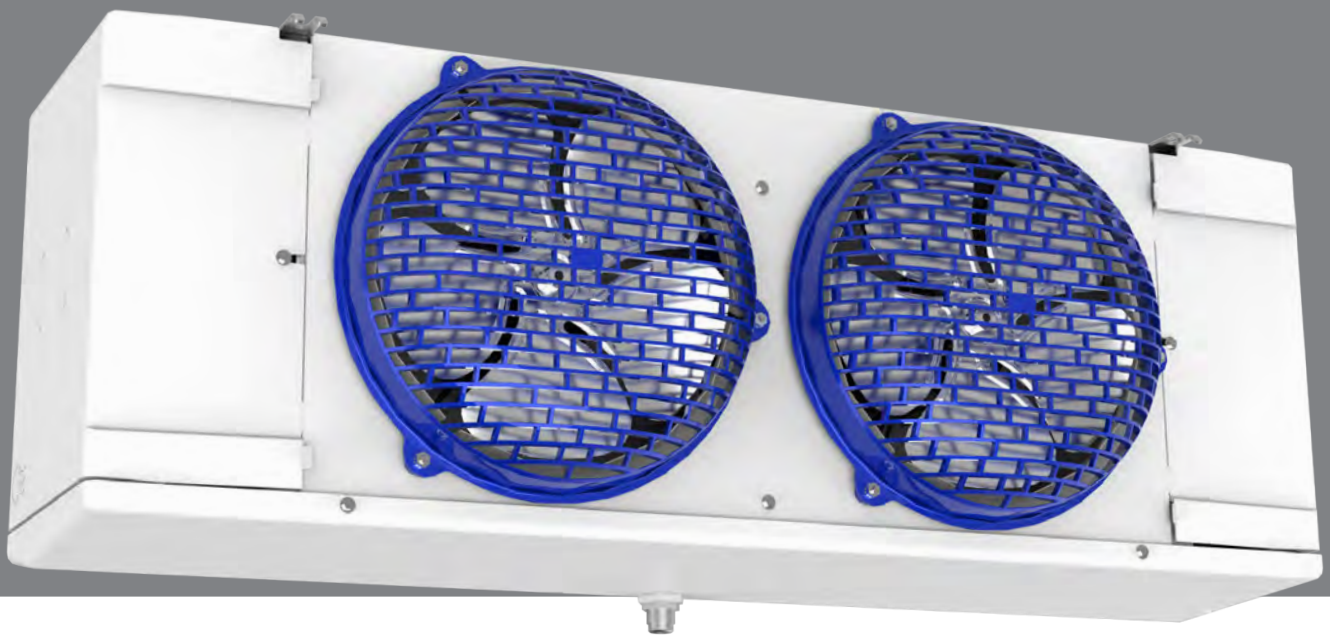


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DOE Rated AWEF

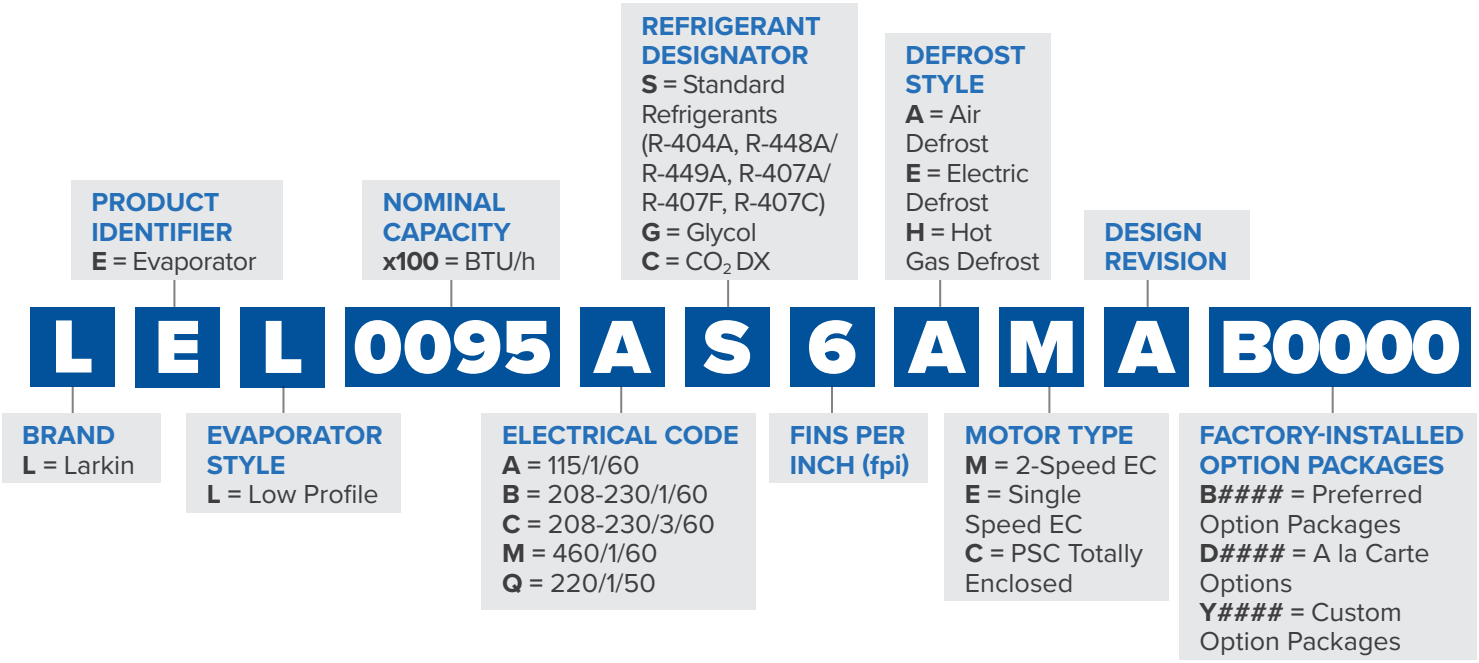
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NOMENCLATURE



PREFERRED OPTION PACKAGES

(HFC Refrigerants)

Package	Description (standard base model features + indicated options below)
B0000	Standard Base
B0100	Beacon II (R-404A/R-448A/R-449A)
B0101	Beacon II (R-407A/R-407C/R-407F)
B0200	intelliGen Refrigeration Controller (R-404A/R-448A/R-449A)
B0201	intelliGen Refrigeration Controller (R-407A/R-407C/R-407F)
B0300	Quick Response Controller (R-404A/R-448A/R-449A)
B0301	Quick Response 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)

PREFERRED OPTION PACKAGES

(CO_2 DX)

Package	Description (standard base model features + indicated options below)
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.
- **Quick Response Controller** units include factory mounted electronic expansion valve, pressure transducer, temperature sensors and control board.
- **Beacon II™** units include factory mounted electronic expansion valve, pressure transducer, temperature sensors and control board.

MOTORS

- Motors plug into wiring harness for easier servicing.
- 2-Speed EC motors standard on Air Defrost models.
- Single 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.

FEATURES & BENEFITS

OUTSTANDING FEATURES

Optional Factory Mounted Components
Choose from Heatcraft's industry-leading intelliGen™ Refrigeration Controller, Quick Response Controller, Beacon II Control or traditional mechanical components.

Composite Molded Access Panels have undergone extensive engineering and laboratory testing to ensure they are damage resistant from drops, dents, and bangs.

Hinged & Removeable Access Panels allow for easy access to both refrigeration and electrical end of Low Profile units.



Hinged Drain Pan improves access to service and clean the drain pan and coil. (3-6 fan models only)

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

Re-Engineered Fan Guards have been redesigned for optimized air circulation and comply to new UL60335 safety standard.

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

PERFORMANCE DATA

Application Capacity: Air Defrost- 60 Hz

Please consult AWEF table on page 43 to confirm model meets DOE minimum AWEF

New Model	Legacy Model	R-404A/R-507A Application Capacity[1] 10°F TD/25°F SST BTUH	R-404A/R-507A Application Capacity[1] 6°C TD/-4°C SST Watts	R-448A/R-449A Application Capacity[1] 10°F TD/25°F SST BTUH	R-448A/R-449A Application Capacity[1] 6°C TD/-4°C SST Watts	Fan Data No. of Fans	Fan Data CFM	Fan Data m^3H
LEL0045*S6A^A	LCA640	4,000	1,200	4,600	1,300	1	653	1,109
LEL0055*S6A^A	LCA651	5,200	1,500	6,100	1,800	1	610	1,036
LEL0060*S6A^A	LCA662 LCA672	6,500	1,900	7,800	2,300	1	610	1,036
LEL0095*S6A^A	LCA672 LCA690	8,000	2,300	10,000	2,900	2	1,305	2,217
LEL0105*S6A^A	LCA690	9,200	2,650	12,500	3,600	2	1,305	2,217
LEL0115*S6A^A	LCA6110	11,700	3,370	14,500	4,180	2	1,220	2,073
LEL0125*S6A^A	LCA6135	13,000	3,800	15,500	4,500	2	1,220	2,073
LEL0155*S6A^A	LCA6135	14,000	4,100	16,800	4,900	3	1,958	3,327
LEL0190*S6A^A	LCA6160 LCA6185	18,000	5,300	21,200	6,200	3	1,830	3,109
LEL0250*S6A^A	LCA6215	20,800	6,100	24,600	7,200	4	2,440	4,146
LEL0295*S6A^A	LCA6260	26,000	7,600	30,700	9,000	5	3,050	5,182
LEL0350*S6A^A	LCA6310	31,200	9,100	36,800	10,800	6	3,660	6,218
LEL0380*S6A^A	LCA6350	37,000	10,800	44,400	13,000	6	3,660	6,218

New Model	Legacy Model	R-407A/R-407F Application Capacity[1] 10°F TD/25°F SST BTUH	R-407A/R-407F Application Capacity[1] 6°C TD/-4°C SST Watts	R-407C Application Capacity[1] 10°F TD/25°F SST BTUH	R-407C Application Capacity[1] 6°C TD/-4°C SST Watts	Fan Data No. of Fans	Fan Data CFM	Fan Data m^3H
LEL0045*S6A^A	LCA640	4,600	1,300	4,600	1,300	1	653	1,109
LEL0055*S6A^A	LCA651	6,100	1,800	6,100	1,800	1	610	1,036
LEL0060*S6A^A	LCA662 LCA672	7,800	2,300	7,800	2,300	1	610	1,036
LEL0095*S6A^A	LCA672 LCA690	10,000	2,900	10,000	2,900	2	1,305	2,217
LEL0105*S6A^A	LCA690	12,500	3,600	12,500	3,600	2	1,305	2,217
LEL0115*S6A^A	LCA6110	14,500	4,180	14,500	4,180	2	1,220	2,073
LEL0125*S6A^A	LCA6135	15,500	4,500	15,500	4,500	2	1,220	2,073
LEL0155*S6A^A	LCA6135	16,800	4,900	16,800	4,900	3	1,958	3,327
LEL0190*S6A^A	LCA6160 LCA6185	21,200	6,200	21,200	6,200	3	1,830	3,109
LEL0250*S6A^A	LCA6215	24,600	7,200	24,600	7,200	4	2,440	4,146
LEL0295*S6A^A	LCA6260	30,700	9,000	30,700	9,000	5	3,050	5,182
LEL0350*S6A^A	LCA6310	36,800	10,800	36,800	10,800	6	3,660	6,218
LEL0380*S6A^A	LCA6350	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

PERFORMANCE DATA

Application Capacity: Air Defrost- 60 Hz

Please consult AWEF table on page 43 to confirm model meets DOE minimum AWEF

		CO_2 DX Application Capacity[1]		Fan Data		
	Legacy Model	10°F TD/25°F SST	6°C TD/-4°C SST			
New Model		BTUH	Watts	No. of Fans	CFM	m^3H
LEL0045*C6A^A	N/A	4,600	1,348	1	653	1,109
LEL0055*C6A^A	N/A	6,100	1,788	1	610	1,036
LEL0060*C6A^A	N/A	7,800	2,286	1	610	1,036
LEL0095*C6A^A	N/A	10,000	2,931	2	1,305	2,217
LEL0105*C6A^A	N/A	12,500	3,663	2	1,305	2,217
LEL0115*C6A^A	N/A	14,500	4,250	2	1,220	2,073
LEL0125*C6A^A	N/A	15,500	4,543	2	1,220	2,073
LEL0155*C6A^A	N/A	16,800	4,924	3	1,958	3,327
LEL0190*C6A^A	N/A	21,200	6,213	3	1,830	3,109
LEL0250*C6A^A	N/A	24,600	7,210	4	2,440	4,146
LEL0295*C6A^A	N/A	30,700	8,997	5	3,050	5,182
LEL0350*C6A^A	N/A	36,800	10,785	6	3,660	6,218
LEL0380*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

PERFORMANCE DATA

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

Please consult AWEF table on page 43 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
LEL0045*S6A^A	LCA640	3,800	1,140	4,370	1,235	1	588	999
LEL0055*S6A^A	LCA651	4,940	1,425	5,795	1,710	1	549	933
LEL0060*S6A^A	LCA662 LCA672	6,175	1,805	7,410	2,185	1	549	933
LEL0095*S6A^A	LCA672 LCA690	7,600	2,185	9,500	2,755	2	1,175	1,995
LEL0105*S6A^A	LCA690	8,740	2,518	11,875	3,420	2	1,175	1,995
LEL0115*S6A^A	LCA6110	11,115	3,202	13,775	3,971	2	1,098	1,866
LEL0125*S6A^A	LCA6135‡	12,350	3,610	14,725	4,275	2	1,098	1,866
LEL0155*S6A^A	LCA6135	13,300	3,895	15,960	4,655	3	1,762	2,994
LEL0190*S6A^A	LCA6160 LCA6185‡	17,100	5,035	20,140	5,890	3	1,647	2,798
LEL0250*S6A^A	LCA6215	19,760	5,795	23,370	6,840	4	2,196	3,731
LEL0295*S6A^A	LCA6260	24,700	7,220	29,165	8,550	5	2,745	4,664
LEL0350*S6A^A	LCA6310	29,640	8,645	34,960	10,260	6	3,294	5,597
LEL0380*S6A^A	LCA6350	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
LEL0045*S6A^A	LCA640	4,370	1,235	4,370	1,235	1	588	999
LEL0055*S6A^A	LCA651	5,795	1,710	5,795	1,710	1	549	933
LEL0060*S6A^A	LCA662 LCA672	7,410	2,185	7,410	2,185	1	549	933
LEL0095*S6A^A	LCA672 LCA690	9,500	2,755	9,500	2,755	2	1,175	1,995
LEL0105*S6A^A	LCA690	11,875	3,420	11,875	3,420	2	1,175	1,995
LEL0115*S6A^A	LCA6110	13,775	3,971	13,775	3,971	2	1,098	1,866
LEL0125*S6A^A	LCA6135‡	14,725	4,275	14,725	4,275	2	1,098	1,866
LEL0155*S6A^A	LCA6135	15,960	4,655	15,960	4,655	3	1,762	2,994
LEL0190*S6A^A	LCA6160 LCA6185‡	20,140	5,890	20,140	5,890	3	1,647	2,798
LEL0250*S6A^A	LCA6215	23,370	6,840	23,370	6,840	4	2,196	3,731
LEL0295*S6A^A	LCA6260	29,165	8,550	29,165	8,550	5	2,745	4,664
LEL0350*S6A^A	LCA6310	34,960	10,260	34,960	10,260	6	3,294	5,597
LEL0380*S6A^A	LCA6350	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 single speed and 2-speed EC motors, use 60 Hz capacity and airflow values. (units with EC motors operating at 50 Hz will not see a reduction in performance due to the electronic control of the motor)

PERFORMANCE DATA

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

Please consult AWEF table on page 43 to confirm model meets DOE minimum AWEF

		CO_2 DX Application Capacity[1]		Fan Data		
	Legacy Model	10°F TD/25°F SST	6°C TD/-4°C SST			
New Model		BTUH	Watts	No. of Fans	CFM	m^3H
LEL0045*C6A^A	N/A	4,370	1,281	1	588	999
LEL0055*C6A^A	N/A	5,795	1,698	1	549	933
LEL0060*C6A^A	N/A	7,410	2,172	1	549	933
LEL0095*C6A^A	N/A	9,500	2,784	2	1,175	1,996
LEL0105*C6A^A	N/A	11,875	3,480	2	1,175	1,996
LEL0115*C6A^A	N/A	13,775	4,037	2	1,098	1,866
LEL0125*C6A^A	N/A	14,725	4,315	2	1,098	1,866
LEL0155*C6A^A	N/A	15,960	4,677	3	1,762	2,994
LEL0190*C6A^A	N/A	20,140	5,902	3	1,647	2,798
LEL0250*C6A^A	N/A	23,370	6,849	4	2,196	3,731
LEL0295*C6A^A	N/A	29,165	8,547	5	2,745	4,664
LEL0350*C6A^A	N/A	34,960	10,246	6	3,294	5,597
LEL0380*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 single speed and 2-speed EC motors, use 60 Hz capacity and airflow values. (units with EC motors operating at 50 Hz will not see a reduction in performance due to the electronic control of the motor)

SPECIFICATIONS

Air Defrost- 60 Hz

Please consult AWEF table on page 43 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
LEL0045*±6A^A	1/20	0.9	55	1.1	20	0.5	55	0.6	15
LEL0055*±6A^A	1/20	0.9	55	1.1	20	0.5	55	0.6	15
LEL0060*±6A^A	1/20	0.9	55	1.1	20	0.5	55	0.6	15
LEL0095*±6A^A	1/20	1.8	110	2.0	20	1.0	110	1.1	15
LEL0105*±6A^A	1/20	1.8	110	2.0	20	1.0	110	1.1	15
LEL0115*±6A^A	1/20	1.8	110	2.0	20	1.0	110	1.1	15
LEL0125*±6A^A	1/20	1.8	110	2.0	20	1.0	110	1.1	15
LEL0155*±6A^A	1/20	2.7	165	2.9	20	1.5	165	1.6	15
LEL0190*±6A^A	1/20	2.7	165	2.9	20	1.5	165	1.6	15
LEL0250*±6A^A	1/20	3.6	220	3.8	20	2.0	220	2.1	15
LEL0295*±6A^A	1/20	4.5	275	4.7	20	2.5	275	2.6	15
LEL0350*±6A^A	1/20	5.4	330	5.6	20	3.0	330	3.1	15
LEL0380*±6A^A	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
LEL0045*±6A^A	1/20	0.9	55	1.1	20	0.5	59	0.6	15
LEL0055*±6A^A	1/20	0.9	55	1.1	20	0.5	59	0.6	15
LEL0060*±6A^A	1/20	0.9	55	1.1	20	0.5	59	0.6	15
LEL0095*±6A^A	1/20	1.8	110	2.0	20	1.0	118	1.1	15
LEL0105*±6A^A	1/20	1.8	110	2.0	20	1.0	118	1.1	15
LEL0115*±6A^A	1/20	1.8	110	2.0	20	1.0	118	1.1	15
LEL0125*±6A^A	1/20	1.8	110	2.0	20	1.0	118	1.1	15
LEL0155*±6A^A	1/20	2.7	165	2.9	20	1.5	177	1.6	15
LEL0190*±6A^A	1/20	2.7	165	2.9	20	1.5	177	1.6	15
LEL0250*±6A^A	1/20	3.6	220	3.8	20	2.0	236	2.1	15
LEL0295*±6A^A	1/20	4.5	275	4.7	20	2.5	295	2.6	15
LEL0350*±6A^A	1/20	5.4	330	5.6	20	3.0	354	3.1	15
LEL0380*±6A^A	1/20	5.4	330	5.6	20	3.0	354	3.1	15

Notes:

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

SPECIFICATIONS

Air Defrost- 60 Hz

Please consult AWEF table on page 43 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
LEL0045*±6A^A	1/20	1.0	82	1.3	20	0.5	91	0.6	15	0.4	117	0.5	15
LEL0055*±6A^A	1/20	1.0	82	1.3	20	0.5	91	0.6	15	0.4	117	0.5	15
LEL0060*±6A^A	1/20	1.0	82	1.3	20	0.5	91	0.6	15	0.4	117	0.5	15
LEL0095*±6A^A	1/20	2.0	164	2.3	20	1.0	182	1.1	15	0.8	234	0.9	15
LEL0105*±6A^A	1/20	2.0	164	2.3	20	1.0	182	1.1	15	0.8	234	0.9	15
LEL0115*±6A^A	1/20	2.0	164	2.3	20	1.0	182	1.1	15	0.8	234	0.9	15
LEL0125*±6A^A	1/20	2.0	164	2.3	20	1.0	182	1.1	15	0.8	234	0.9	15
LEL0155*±6A^A	1/20	3.0	246	3.3	20	1.5	273	1.6	15	1.2	351	1.3	15
LEL0190*±6A^A	1/20	3.0	246	3.3	20	1.5	273	1.6	15	1.2	351	1.3	15
LEL0250*±6A^A	1/20	4.0	328	4.3	20	2.0	364	2.1	15	1.6	468	1.7	15
LEL0295*±6A^A	1/20	5.0	410	5.3	20	2.5	455	2.6	15	2.0	585	2.1	15
LEL0350*±6A^A	1/20	6.0	492	6.3	20	3.0	546	3.1	15	2.4	702	2.5	15
LEL0380*±6A^A	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)
^ = Motor Code Designator (see Nomenclature details)
± = Refrigerant Designator (see Nomenclature details)

SPECIFICATIONS

Air Defrost- 50 Hz

Please consult AWEF table on page 43 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
LEL0045*±6A^A	1/20	0.5	55	0.6	15	0.5	59	0.6	15	0.5	65	0.6	15
LEL0055*±6A^A	1/20	0.5	55	0.6	15	0.5	59	0.6	15	0.5	65	0.6	15
LEL0060*±6A^A	1/20	0.5	55	0.6	15	0.5	59	0.6	15	0.5	65	0.6	15
LEL0095*±6A^A	1/20	1.0	110	1.1	15	1.0	118	1.1	15	1.0	130	1.1	15
LEL0105*±6A^A	1/20	1.0	110	1.1	15	1.0	118	1.1	15	1.0	130	1.1	15
LEL0115*±6A^A	1/20	1.0	110	1.1	15	1.0	118	1.1	15	1.0	130	1.1	15
LEL0125*±6A^A	1/20	1.0	110	1.1	15	1.0	118	1.1	15	1.0	130	1.1	15
LEL0155*±6A^A	1/20	1.5	165	1.6	15	1.5	177	1.6	15	1.5	195	1.6	15
LEL0190*±6A^A	1/20	1.5	165	1.6	15	1.5	177	1.6	15	1.5	195	1.6	15
LEL0250*±6A^A	1/20	2.0	220	2.1	15	2.0	236	2.1	15	2.0	260	2.1	15
LEL0295*±6A^A	1/20	2.5	275	2.6	15	2.5	295	2.6	15	2.5	325	2.6	15
LEL0350*±6A^A	1/20	3.0	330	3.1	15	3.0	354	3.1	15	3.0	390	3.1	15
LEL0380*±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)

PERFORMANCE DATA

Application Capacity: Low Temperature Electric Defrost- 60 Hz

Please consult AWEF table on pages 44 & 45 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	6°C TD/-29°C SST	10°F TD/-20°F SST	6°C TD/-29°C SST			
			BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H
6	LEL0040*S6E^A	LCE635	3,500	1,000	3,900	1,000	1	685	1,164
6	LEL0045*S6E^A	LCE643	4,700	1,400	5,300	1,600	1	641	1,088
6	LEL0065*S6E^A	LCE665	6,500	1,900	7,200	2,100	2	1,371	2,329
6	LEL0080*S6E^A	LCE676	7,500	2,200	8,400	2,500	2	1,371	2,329
6	LEL0100*S6E^A	LCE694	9,000	2,600	9,900	2,900	2	1,281	2,176
6	LEL0130*S6E^A	LCE6120	12,000	3,500	13,500	4,000	3	2,056	3,493
6	LEL0155*S6E^A	LCE6140	14,000	4,100	16,000	4,700	3	1,922	3,265
6	LEL0170*S6E^A	LCE6160	16,000	4,700	17,900	5,200	4	2,741	4,658
6	LEL0205*S6E^A	LCE6180	18,000	5,300	20,100	5,900	4	2,562	4,353
6	LEL0240*S6E^A	LCE6200	20,000	5,900	22,800	6,600	5	3,203	5,441
6	LEL0255*S6E^A	LCE6240	24,000	7,000	26,900	7,900	6	4,112	6,986
6	LEL0310*S6E^A	LCE6270	28,000	8,200	31,400	9,200	6	3,843	6,529
4	LEL0045*S4E^A	LCE441	4,100	1,200	4,500	1,300	1	667	1,132
4	LEL0070*S4E^A	LCE457 LCE467	6,800	2,000	7,400	2,200	2	1,425	2,422
4	LEL0090*S4E^A	LCE482	8,000	2,300	8,800	2,600	2	1,332	2,263
4	LEL0135*S4E^A	LCE4105	10,200	3,000	12,800	3,700	3	1,998	3,395
4	LEL0180*S4E^A	LCE4139	13,600	4,000	17,300	5,000	4	2,664	4,527
4	LEL0220*S4E^A	LCE4174	17,000	5,000	19,500	5,600	5	3,331	5,659
4	LEL0275*S4E^A	LCE4208 LCE4235	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

PERFORMANCE DATA

Application Capacity: Low Temperature Electric Defrost- 60 Hz

Please consult AWEF table on pages 44 & 45 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	LEL0040*S6E^A	LCE635	3,900	1,000	-	-	1	685	1,164
6	LEL0045*S6E^A	LCE643	5,300	1,600	-	-	1	641	1,088
6	LEL0065*S6E^A	LCE665	7,200	2,100	-	-	2	1,371	2,329
6	LEL0080*S6E^A	LCE676	8,400	2,500	-	-	2	1,371	2,329
6	LEL0100*S6E^A	LCE694	9,900	2,900	-	-	2	1,281	2,176
6	LEL0130*S6E^A	LCE6120	13,500	4,000	-	-	3	2,056	3,493
6	LEL0155*S6E^A	LCE6140	16,000	4,700	-	-	3	1,922	3,265
6	LEL0170*S6E^A	LCE6160	17,900	5,200	-	-	4	2,741	4,658
6	LEL0205*S6E^A	LCE6180	20,100	5,900	-	-	4	2,562	4,353
6	LEL0240*S6E^A	LCE6200	22,400	6,500	-	-	5	3,203	5,441
6	LEL0255*S6E^A	LCE6240	26,900	7,900	-	-	6	4,112	6,986
6	LEL0310*S6E^A	LCE6270	31,400	9,200	-	-	6	3,843	6,529
4	LEL0045*S4E^A	LCE441	4,500	1,300	-	-	1	667	1,132
4	LEL0070*S4E^A	LCE457 LCE467	7,400	2,200	-	-	2	1,425	2,422
4	LEL0090*S4E^A	LCE482	8,800	2,600	-	-	2	1,332	2,263
4	LEL0135*S4E^A	LCE4105	12,100	3,500	-	-	3	1,998	3,395
4	LEL0180*S4E^A	LCE4139	16,300	4,700	-	-	4	2,664	4,527
4	LEL0220*S4E^A	LCE4174	19,600	5,600	-	-	5	3,331	5,659
4	LEL0275*S4E^A	LCE4208 LCE4235	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

PERFORMANCE DATA

Application Capacity: Low Temperature Electric Defrost- 60 Hz

Please consult AWEF table on pages 44 & 45 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	LEL0040*C6E^A	N/A	3,900	1,143	1	685	1,164
6	LEL0045*C6E^A	N/A	5,300	1,553	1	641	1,088
6	LEL0065*C6E^A	N/A	7,200	2,110	2	1,371	2,329
6	LEL0080*C6E^A	N/A	8,400	2,462	2	1,371	2,329
6	LEL0100*C6E^A	N/A	9,900	2,901	2	1,281	2,176
6	LEL0130*C6E^A	N/A	13,500	3,956	3	2,056	3,493
6	LEL0155*C6E^A	N/A	16,000	4,689	3	1,922	3,265
6	LEL0170*C6E^A	N/A	17,900	5,246	4	2,741	4,657
6	LEL0205*C6E^A	N/A	20,100	5,891	4	2,562	4,353
6	LEL0240*C6E^A	N/A	22,400	6,565	5	3,203	5,441
6	LEL0255*C6E^A	N/A	26,900	7,884	6	4,112	6,986
6	LEL0310*C6E^A	N/A	31,400	9,202	6	3,843	6,529
4	LEL0045*C4E^A	N/A	4,500	1,319	1	667	1,132
4	LEL0070*C4E^A	N/A	7,400	2,169	2	1,425	2,422
4	LEL0090*C4E^A	N/A	8,800	2,579	2	1,332	2,263
4	LEL0135*C4E^A	N/A	12,100	3,546	3	1,998	3,395
4	LEL0180*C4E^A	N/A	16,300	4,777	4	2,664	4,527
4	LEL0220*C4E^A	N/A	19,600	5,744	5	3,331	5,659
4	LEL0275*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

PERFORMANCE DATA

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

Please consult AWEF table on pages 44 & 45 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	LEL0040*S6E^A	LCE635	3,325	950	3,705	950	1	617	1,048
6	LEL0045*S6E^A	LCE643	4,465	1,330	5,035	1,520	1	576	979
6	LEL0065*S6E^A	LCE665	6,175	1,805	6,840	1,995	2	1,234	2,096
6	LEL0080*S6E^A	LCE676	7,125	2,090	7,980	2,375	2	1,234	2,096
6	LEL0100*S6E^A	LCE694	8,550	2,470	9,405	2,755	2	1,153	1,959
6	LEL0130*S6E^A	LCE6120	11,400	3,325	12,825	3,800	3	1,850	3,144
6	LEL0155*S6E^A	LCE6140	13,300	3,895	15,200	4,465	3	1,729	2,938
6	LEL0170*S6E^A	LCE6160	15,200	4,465	17,005	4,940	4	2,467	4,192
6	LEL0205*S6E^A	LCE6180	17,100	5,035	19,095	5,605	4	2,306	3,918
6	LEL0240*S6E^A	LCE6200	19,000	5,605	21,660	6,270	5	2,882	4,897
6	LEL0255*S6E^A	LCE6240	22,800	6,650	25,555	7,505	6	3,701	6,288
6	LEL0310*S6E^A	LCE6270	26,600	7,790	29,830	8,740	6	2,459	5,876
4	LEL0045*S4E^A	LCE441	3,895	1,140	4,275	1,235	1	600	1,019
4	LEL0070*S4E^A	LCE457 LCE467	6,460	1,900	7,030	2,090	2	1,283	2,180
4	LEL0090*S4E^A	LCE482	7,600	2,185	8,360	2,470	2	1,199	2,037
4	LEL0135*S4E^A	LCE4105	9,690	2,850	12,160	3,515	3	1,799	3,056
4	LEL0180*S4E^A	LCE4139	12,920	3,800	16,435	4,750	4	2,398	4,074
4	LEL0220*S4E^A	LCE4174	16,150	4,750	18,525	5,320	5	2,998	5,093
4	LEL0275*S4E^A	LCE4208 LCE4235	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 single speed and 2-speed EC motors, use 60 Hz capacity and airflow values. (units with EC motors operating at 50 Hz will not see a reduction in performance due to the electronic control of the motor)

PERFORMANCE DATA

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

Please consult AWEF table on pages 44 & 45 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	LEL0040*S6E^A	LCE635	3,705	950	-	-	1	617	1,048
6	LEL0045*S6E^A	LCE643	5,035	1,520	-	-	1	576	979
6	LEL0065*S6E^A	LCE665	6,840	1,995	-	-	2	1,234	2,096
6	LEL0080*S6E^A	LCE676	7,980	2,375	-	-	2	1,234	2,096
6	LEL0100*S6E^A	LCE694	9,405	2,755	-	-	2	1,153	1,959
6	LEL0130*S6E^A	LCE6120	12,825	3,800	-	-	3	1,850	3,144
6	LEL0155*S6E^A	LCE6140	15,200	4,465	-	-	3	1,729	2,938
6	LEL0170*S6E^A	LCE6160	17,005	4,940	-	-	4	2,467	4,192
6	LEL0205*S6E^A	LCE6180	19,095	5,605	-	-	4	2,306	3,918
6	LEL0240*S6E^A	LCE6200	21,280	6,175	-	-	5	2,882	4,897
6	LEL0255*S6E^A	LCE6240	25,555	7,505	-	-	6	3,701	6,288
6	LEL0310*S6E^A	LCE6270	29,830	8,740	-	-	6	2,459	5,876
4	LEL0045*S4E^A	LCE441	4,275	1,235	-	-	1	600	1,019
4	LEL0070*S4E^A	LCE457 LCE467	7,030	2,090	-	-	2	1,283	2,180
4	LEL0090*S4E^A	LCE482	8,360	2,470	-	-	2	1,199	2,037
4	LEL0135*S4E^A	LCE4105	11,495	3,325	-	-	3	1,799	3,056
4	LEL0180*S4E^A	LCE4139	15,485	4,465	-	-	4	2,398	4,074
4	LEL0220*S4E^A	LCE4174	18,620	5,320	-	-	5	2,998	5,093
4	LEL0275*S4E^A	LCE4208 LCE4235	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 single speed and 2-speed EC motors, use 60 Hz capacity and airflow values. (units with EC motors operating at 50 Hz will not see a reduction in performance due to the electronic control of the motor)

PERFORMANCE DATA

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

Please consult AWEF table on pages 44 & 45 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	LEL0040*C6E^A	N/A	3,705	1,086	1	617	1,048
6	LEL0045*C6E^A	N/A	5,035	1,476	1	576	979
6	LEL0065*C6E^A	N/A	6,840	2,005	2	1,234	2,096
6	LEL0080*C6E^A	N/A	7,980	2,339	2	1,234	2,096
6	LEL0100*C6E^A	N/A	9,405	2,756	2	1,153	1,959
6	LEL0130*C6E^A	N/A	12,825	3,759	3	1,850	3,144
6	LEL0155*C6E^A	N/A	15,200	4,455	3	1,729	2,938
6	LEL0170*C6E^A	N/A	17,005	4,984	4	2,467	4,192
6	LEL0205*C6E^A	N/A	19,095	5,596	4	2,306	3,918
6	LEL0240*C6E^A	N/A	21,280	6,237	5	2,882	4,897
6	LEL0255*C6E^A	N/A	25,555	7,489	6	3,701	6,288
6	LEL0310*C6E^A	N/A	29,830	8,742	6	2,459	5,876
4	LEL0045*C4E^A	N/A	4,275	1,253	1	600	1,019
4	LEL0070*C4E^A	N/A	7,030	2,060	2	1,283	2,180
4	LEL0090*C4E^A	N/A	8,360	2,450	2	1,199	2,037
4	LEL0135*C4E^A	N/A	11,495	3,369	3	1,799	3,056
4	LEL0180*C4E^A	N/A	15,485	4,538	4	2,398	4,074
4	LEL0220*C4E^A	N/A	18,620	5,457	5	2,998	5,093
4	LEL0275*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 single speed and 2-speed EC motors, use 60 Hz capacity and airflow values. (units with EC motors operating at 50 Hz will not see a reduction in performance due to the electronic control of the motor)

PERFORMANCE DATA

Application Capacity: Medium Temperature Electric Defrost- 60 Hz

Please consult AWEF table on pages 44 & 45 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/-4°C SST	10°F TD/-20°F SST	6°C TD/-4°C SST			
FPI	New Model		BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H
6	LEL0040*S6E^A	LCE635	4,000	1,200	4,500	1,300	1	685	1,164
6	LEL0045*S6E^A	LCE643	5,400	1,550	6,100	1,750	1	641	1,088
6	LEL0065*S6E^A	LCE665	7,450	2,150	8,300	2,400	2	1,371	2,329
6	LEL0080*S6E^A	LCE676	8,650	2,500	9,650	2,800	2	1,371	2,329
6	LEL0100*S6E^A	LCE694	10,350	3,000	11,400	3,300	2	1,281	2,176
6	LEL0130*S6E^A	LCE6120	13,800	4,000	15,500	4,500	3	2,056	3,493
6	LEL0155*S6E^A	LCE6140	16,100	4,650	18,400	5,300	3	1,922	3,265
6	LEL0170*S6E^A	LCE6160	18,400	5,300	20,600	5,950	4	2,741	4,658
6	LEL0205*S6E^A	LCE6180	20,700	6,000	23,100	6,650	4	2,562	4,353
6	LEL0240*S6E^A	LCE6200	23,000	6,650	25,750	7,450	5	3,203	5,441
6	LEL0255*S6E^A	LCE6240	27,600	7,950	30,950	8,950	6	4,112	6,986
6	LEL0310*S6E^A	LCE6270	32,200	9,300	36,100	10,400	6	3,843	6,529
4	LEL0045*S4E^A	LCE441	4,700	1,400	5,200	1,500	1	667	1,132
4	LEL0070*S4E^A	LCE457 LCE467	7,800	2,250	8,500	2,450	2	1,425	2,422
4	LEL0090*S4E^A	LCE482	9,200	2,650	10,100	2,900	2	1,332	2,263
4	LEL0135*S4E^A	LCE4105	11,750	3,400	13,050	3,800	3	1,998	3,395
4	LEL0180*S4E^A	LCE4139	15,650	4,500	17,650	5,100	4	2,664	4,527
4	LEL0220*S4E^A	LCE4174	19,550	5,650	21,850	6,300	5	3,331	5,659
4	LEL0275*S4E^A	LCE4208 LCE4235	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

PERFORMANCE DATA

Application Capacity: Medium Temperature Electric Defrost- 60 Hz

Please consult AWEF table on pages 44 & 45 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	6°C TD/-4°C SST	10°F TD/-20°F SST	6°C TD/-4°C SST			
			BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H
6	LEL0040*S6E^A	LCE635	4,500	1,300	-	-	1	685	1,164
6	LEL0045*S6E^A	LCE643	6,100	1,750	-	-	1	641	1,088
6	LEL0065*S6E^A	LCE665	8,300	2,400	-	-	2	1,371	2,329
6	LEL0080*S6E^A	LCE676	9,650	2,800	-	-	2	1,371	2,329
6	LEL0100*S6E^A	LCE694	11,400	3,300	-	-	2	1,281	2,176
6	LEL0130*S6E^A	LCE6120	15,500	4,500	-	-	3	2,056	3,493
6	LEL0155*S6E^A	LCE6140	18,400	5,300	-	-	3	1,922	3,265
6	LEL0170*S6E^A	LCE6160	20,600	5,950	-	-	4	2,741	4,658
6	LEL0205*S6E^A	LCE6180	23,100	6,650	-	-	4	2,562	4,353
6	LEL0240*S6E^A	LCE6200	25,750	7,450	-	-	5	3,203	5,441
6	LEL0255*S6E^A	LCE6240	30,950	8,950	-	-	6	4,112	6,986
6	LEL0310*S6E^A	LCE6270	36,100	10,400	-	-	6	3,843	6,529
4	LEL0045*S4E^A	LCE441	5,200	1,500	-	-	1	667	1,132
4	LEL0070*S4E^A	LCE457 LCE467	8,500	2,450	-	-	2	1,425	2,422
4	LEL0090*S4E^A	LCE482	10,100	2,900	-	-	2	1,332	2,263
4	LEL0135*S4E^A	LCE4105	13,050	3,800	-	-	3	1,998	3,395
4	LEL0180*S4E^A	LCE4139	17,650	5,100	-	-	4	2,664	4,527
4	LEL0220*S4E^A	LCE4174	21,850	6,300	-	-	5	3,331	5,659
4	LEL0275*S4E^A	LCE4208 LCE4235	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

PERFORMANCE DATA

Application Capacity: Medium Temperature Electric Defrost- 60 Hz

Please consult AWEF table on pages 44 & 45 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	LEL0040*C6E^A	N/A	4,500	1,319	1	685	1,164
6	LEL0045*C6E^A	N/A	6,100	1,788	1	641	1,089
6	LEL0065*C6E^A	N/A	8,300	2,432	2	1,371	2,329
6	LEL0080*C6E^A	N/A	9,650	2,828	2	1,371	2,329
6	LEL0100*C6E^A	N/A	11,400	3,341	2	1,281	2,176
6	LEL0130*C6E^A	N/A	15,500	4,543	3	2,056	3,493
6	LEL0155*C6E^A	N/A	18,400	5,393	3	1,922	3,265
6	LEL0170*C6E^A	N/A	20,600	6,037	4	2,741	4,657
6	LEL0205*C6E^A	N/A	23,100	6,770	4	2,562	4,353
6	LEL0240*C6E^A	N/A	25,750	7,547	5	3,203	5,442
6	LEL0255*C6E^A	N/A	30,950	9,071	6	4,112	6,986
6	LEL0310*C6E^A	N/A	36,100	10,580	6	3,843	6,529
4	LEL0045*C4E^A	N/A	5,200	1,524	1	641	1,089
4	LEL0070*C4E^A	N/A	8,500	2,491	2	1,425	2,421
4	LEL0090*C4E^A	N/A	10,100	2,960	2	1,332	2,263
4	LEL0135*C4E^A	N/A	13,050	3,825	3	1,998	3,395
4	LEL0180*C4E^A	N/A	17,650	5,173	4	2,664	4,526
4	LEL0220*C4E^A	N/A	21,850	6,404	5	3,331	5,659
4	LEL0275*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

Please consult AWEF table on pages 44 & 45 to confirm model meets DOE minimum AWEF

			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	LEL0040*±6E^A	1/20	0.5	55	0.6	15	1,050	4.6	2.8	900	2.0
6	LEL0045*±6E^A	1/20	0.5	55	0.6	15	1,050	4.6	2.8	900	2.0
6	LEL0065*±6E^A	1/20	1.0	110	1.1	15	2,100	9.1	5.7	1,800	3.9
6	LEL0080*±6E^A	1/20	1.0	110	1.1	15	2,100	9.1	5.7	1,800	3.9
6	LEL0100*±6E^A	1/20	1.0	110	1.1	15	2,100	9.1	5.7	1,800	3.9
6	LEL0130*±6E^A	1/20	1.5	165	1.6	15	3,150	13.7	8.5	2,700	5.9
6	LEL0155*±6E^A	1/20	1.5	165	1.6	15	3,150	13.7	8.5	2,700	5.9
6	LEL0170*±6E^A	1/20	2.0	220	2.1	15	4,200	18.3	11.4	3,600	7.8
6	LEL0205*±6E^A	1/20	2.0	220	2.1	15	4,200	18.3	11.4	3,600	7.8
6	LEL0240*±6E^A	1/20	2.5	275	2.6	15	5,250	22.8	14.2	4,500	9.8
6	LEL0255*±6E^A	1/20	3.0	330	3.1	15	6,300	27.4	17.1	5,400	11.7
6	LEL0310*±6E^A	1/20	3.0	330	3.1	15	6,300	27.4	17.1	5,400	11.7
4	LEL0045*±4E^A	1/20	0.5	55	0.6	15	1,050	4.6	2.8	900	2.0
4	LEL0070*±4E^A	1/20	1.0	110	1.1	15	2,100	9.1	5.7	1,800	3.9
4	LEL0090*±4E^A	1/20	1.0	110	1.1	15	2,100	9.1	5.7	1,800	3.9
4	LEL0135*±4E^A	1/20	1.5	165	1.6	15	3,150	13.7	8.5	2,700	5.9
4	LEL0180*±4E^A	1/20	2.0	220	2.1	15	4,200	18.3	11.4	3,600	7.8
4	LEL0220*±4E^A	1/20	2.5	275	2.6	15	5,250	22.8	14.2	4,500	9.8
4	LEL0275*±4E^A	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	LEL0040*±6E^A	1/20	0.5	59	0.6	15	1,050	4.6	2.8	900	2.0
6	LEL0045*±6E^A	1/20	0.5	59	0.6	15	1,050	4.6	2.8	900	2.0
6	LEL0065*±6E^A	1/20	1.0	118	1.1	15	2,100	9.1	5.7	1,800	3.9
6	LEL0080*±6E^A	1/20	1.0	118	1.1	15	2,100	9.1	5.7	1,800	3.9
6	LEL0100*±6E^A	1/20	1.0	118	1.1	15	2,100	9.1	5.7	1,800	3.9
6	LEL0130*±6E^A	1/20	1.5	177	1.6	15	3,150	13.7	8.5	2,700	5.9
6	LEL0155*±6E^A	1/20	1.5	177	1.6	15	3,150	13.7	8.5	2,700	5.9
6	LEL0170*±6E^A	1/20	2.0	236	2.1	15	4,200	18.3	11.4	3,600	7.8
6	LEL0205*±6E^A	1/20	2.0	236	2.1	15	4,200	18.3	11.4	3,600	7.8
6	LEL0240*±6E^A	1/20	2.5	295	2.6	15	5,250	22.8	14.2	4,500	9.8
6	LEL0255*±6E^A	1/20	3.0	354	3.1	15	6,300	27.4	17.1	5,400	11.7
6	LEL0310*±6E^A	1/20	3.0	354	3.1	15	6,300	27.4	17.1	5,400	11.7
4	LEL0045*±4E^A	1/20	0.5	59	0.6	15	1,050	4.6	2.8	900	2.0
4	LEL0070*±4E^A	1/20	1.0	118	1.1	15	2,100	9.1	5.7	1,800	3.9
4	LEL0090*±4E^A	1/20	1.0	118	1.1	15	2,100	9.1	5.7	1,800	3.9
4	LEL0135*±4E^A	1/20	1.5	177	1.6	15	3,150	13.7	8.5	2,700	5.9
4	LEL0180*±4E^A	1/20	2.0	236	2.1	15	4,200	18.3	11.4	3,600	7.8
4	LEL0220*±4E^A	1/20	2.5	295	2.6	15	5,250	22.8	14.2	4,500	9.8
4	LEL0275*±4E^A	1/20	3.0	354	3.1	15	6,300	27.4	17.1	5,400	11.7

Notes:

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

SPECIFICATIONS

Electric Defrost- 60 Hz

Please consult AWEF table on pages 44 & 45 to confirm model meets DOE minimum AWEF

			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	LEL0040*±6E^A	1/20	0.5	91	0.6	15	1,050	4.6	2.8	900	2.0
6	LEL0045*±6E^A	1/20	0.5	91	0.6	15	1,050	4.6	2.8	900	2.0
6	LEL0065*±6E^A	1/20	1.0	182	1.1	15	2,100	9.1	5.7	1,800	3.9
6	LEL0080*±6E^A	1/20	1.0	182	1.1	15	2,100	9.1	5.7	1,800	3.9
6	LEL0100*±6E^A	1/20	1.0	182	1.1	15	2,100	9.1	5.7	1,800	3.9
6	LEL0130*±6E^A	1/20	1.5	273	1.6	15	3,150	13.7	8.5	2,700	5.9
6	LEL0155*±6E^A	1/20	1.5	273	1.6	15	3,150	13.7	8.5	2,700	5.9
6	LEL0170*±6E^A	1/20	2.0	364	2.1	15	4,200	18.3	11.4	3,600	7.8
6	LEL0205*±6E^A	1/20	2.0	364	2.1	15	4,200	18.3	11.4	3,600	7.8
6	LEL0240*±6E^A	1/20	2.5	455	2.6	15	5,250	22.8	14.2	4,500	9.8
6	LEL0255*±6E^A	1/20	3.0	546	3.1	15	6,300	27.4	17.1	5,400	11.7
6	LEL0310*±6E^A	1/20	3.0	546	3.1	15	6,300	27.4	17.1	5,400	11.7
4	LEL0045*±4E^A	1/20	0.5	91	0.6	15	1,050	4.6	2.8	900	2.0
4	LEL0070*±4E^A	1/20	1.0	182	1.1	15	2,100	9.1	5.7	1,800	3.9
4	LEL0090*±4E^A	1/20	1.0	182	1.1	15	2,100	9.1	5.7	1,800	3.9
4	LEL0135*±4E^A	1/20	1.5	273	1.6	15	3,150	13.7	8.5	2,700	5.9
4	LEL0180*±4E^A	1/20	2.0	364	2.1	15	4,200	18.3	11.4	3,600	7.8
4	LEL0220*±4E^A	1/20	2.5	455	2.6	15	5,250	22.8	14.2	4,500	9.8
4	LEL0275*±4E^A	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	LEL0040*±6E^A	1/20	0.4	117	0.5	15	1,050	4.6	2.8	900	2.0
6	LEL0045*±6E^A	1/20	0.4	117	0.5	15	1,050	4.6	2.8	900	2.0
6	LEL0065*±6E^A	1/20	0.8	234	0.9	15	2,100	9.1	5.7	1,800	3.9
6	LEL0080*±6E^A	1/20	0.8	234	0.9	15	2,100	9.1	5.7	1,800	3.9
6	LEL0100*±6E^A	1/20	0.8	234	0.9	15	2,100	9.1	5.7	1,800	3.9
6	LEL0130*±6E^A	1/20	1.2	351	1.3	15	3,150	13.7	8.5	2,700	5.9
6	LEL0155*±6E^A	1/20	1.2	351	1.3	15	3,150	13.7	8.5	2,700	5.9
6	LEL0170*±6E^A	1/20	1.6	468	1.7	15	4,200	18.3	11.4	3,600	7.8
6	LEL0205*±6E^A	1/20	1.6	468	1.7	15	4,200	18.3	11.4	3,600	7.8
6	LEL0240*±6E^A	1/20	2.0	585	2.1	15	5,250	22.8	14.2	4,500	9.8
6	LEL0255*±6E^A	1/20	2.4	702	2.5	15	6,300	27.4	17.1	5,400	11.7
6	LEL0310*±6E^A	1/20	2.4	702	2.5	15	6,300	27.4	17.1	5,400	11.7
4	LEL0045*±4E^A	1/20	0.4	117	0.5	15	1,050	4.6	2.8	900	2.0
4	LEL0070*±4E^A	1/20	0.8	234	0.9	15	2,100	9.1	5.7	1,800	3.9
4	LEL0090*±4E^A	1/20	0.8	234	0.9	15	2,100	9.1	5.7	1,800	3.9
4	LEL0135*±4E^A	1/20	1.2	351	1.3	15	3,150	13.7	8.5	2,700	5.9
4	LEL0180*±4E^A	1/20	1.6	468	1.7	15	4,200	18.3	11.4	3,600	7.8
4	LEL0220*±4E^A	1/20	2.0	585	2.1	15	5,250	22.8	14.2	4,500	9.8
4	LEL0275*±4E^A	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)
^ = Motor Code Designator (see Nomenclature details)
± = Refrigerant Designator (see Nomenclature details)

SPECIFICATIONS

Electric Defrost- 50 Hz

Please consult AWEF table on pages 44 & 45 to confirm model meets DOE minimum AWEF

			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	LEL0040*±6E^A	1/20	0.5	55	0.6	15	960	4.4
6	LEL0045*±6E^A	1/20	0.5	55	0.6	15	960	4.4
6	LEL0065*±6E^A	1/20	1.0	110	1.1	15	1,920	8.7
6	LEL0080*±6E^A	1/20	1.0	110	1.1	15	1,920	8.7
6	LEL0100*±6E^A	1/20	1.0	110	1.1	15	1,920	8.7
6	LEL0130*±6E^A	1/20	1.5	165	1.6	15	2,880	13.1
6	LEL0155*±6E^A	1/20	1.5	165	1.6	15	2,880	13.1
6	LEL0170*±6E^A	1/20	2.0	220	2.1	15	3,845	17.5
6	LEL0205*±6E^A	1/20	2.0	220	2.1	15	3,845	17.5
6	LEL0240*±6E^A	1/20	2.5	275	2.6	15	4,805	21.8
6	LEL0255*±6E^A	1/20	3.0	330	3.1	15	5,765	26.2
6	LEL0310*±6E^A	1/20	3.0	330	3.1	15	5,765	26.2
4	LEL0045*±4E^A	1/20	0.5	55	0.6	15	960	4.4
4	LEL0070*±4E^A	1/20	1.0	110	1.1	15	1,920	8.7
4	LEL0090*±4E^A	1/20	1.0	110	1.1	15	1,920	8.7
4	LEL0135*±4E^A	1/20	1.5	165	1.6	15	2,880	13.1
4	LEL0180*±4E^A	1/20	2.0	220	2.1	15	3,845	17.5
4	LEL0220*±4E^A	1/20	2.5	275	2.6	15	4,805	21.8
4	LEL0275*±4E^A	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	LEL0040*±6E^A	1/20	0.5	59	0.6	15	960	4.4
6	LEL0045*±6E^A	1/20	0.5	59	0.6	15	960	4.4
6	LEL0065*±6E^A	1/20	1.0	118	1.1	15	1,920	8.7
6	LEL0080*±6E^A	1/20	1.0	118	1.1	15	1,920	8.7
6	LEL0100*±6E^A	1/20	1.0	118	1.1	15	1,920	8.7
6	LEL0130*±6E^A	1/20	1.5	177	1.6	15	2,880	13.1
6	LEL0155*±6E^A	1/20	1.5	177	1.6	15	2,880	13.1
6	LEL0170*±6E^A	1/20	2.0	236	2.1	15	3,845	17.5
6	LEL0205*±6E^A	1/20	2.0	236	2.1	15	3,845	17.5
6	LEL0240*±6E^A	1/20	2.5	295	2.6	15	4,805	21.8
6	LEL0255*±6E^A	1/20	3.0	354	3.1	15	5,765	26.2
6	LEL0310*±6E^A	1/20	3.0	354	3.1	15	5,765	26.2
4	LEL0045*±4E^A	1/20	0.5	59	0.6	15	960	4.4
4	LEL0070*±4E^A	1/20	1.0	118	1.1	15	1,920	8.7
4	LEL0090*±4E^A	1/20	1.0	118	1.1	15	1,920	8.7
4	LEL0135*±4E^A	1/20	1.5	177	1.6	15	2,880	13.1
4	LEL0180*±4E^A	1/20	2.0	236	2.1	15	3,845	17.5
4	LEL0220*±4E^A	1/20	2.5	295	2.6	15	4,805	21.8
4	LEL0275*±4E^A	1/20	3.0	354	3.1	15	5,765	26.2

Notes:

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

SPECIFICATIONS

Electric Defrost- 50 Hz

Please consult AWEF table on pages 44 & 45 to confirm model meets DOE minimum AWEF

			PSC Motor (Totally Enclosed)				Defrost Heaters	
			220/1/50				Watts	220/1/50
FPI	New Model	HP	Amps	Watts	MCA	MOPD		Total Amps
6	LEL0040*±6E^A	1/20	0.5	65	0.6	15	960	4.4
6	LEL0045*±6E^A	1/20	0.5	65	0.6	15	960	4.4
6	LEL0065*±6E^A	1/20	1.0	130	1.1	15	1,920	8.7
6	LEL0080*±6E^A	1/20	1.0	130	1.1	15	1,920	8.7
6	LEL0100*±6E^A	1/20	1.0	130	1.1	15	1,920	8.7
6	LEL0130*±6E^A	1/20	1.5	195	1.6	15	2,880	13.1
6	LEL0155*±6E^A	1/20	1.5	195	1.6	15	2,880	13.1
6	LEL0170*±6E^A	1/20	2.0	260	2.1	15	3,845	17.5
6	LEL0205*±6E^A	1/20	2.0	260	2.1	15	3,845	17.5
6	LEL0240*±6E^A	1/20	2.5	325	2.6	15	4,805	21.8
6	LEL0255*±6E^A	1/20	3.0	390	3.1	15	5,765	26.2
6	LEL0310*±6E^A	1/20	3.0	390	3.1	15	5,765	26.2
4	LEL0045*±4E^A	1/20	0.5	65	0.6	15	960	4.4
4	LEL0070*±4E^A	1/20	1.0	130	1.1	15	1,920	8.7
4	LEL0090*±4E^A	1/20	1.0	130	1.1	15	1,920	8.7
4	LEL0135*±4E^A	1/20	1.5	195	1.6	15	2,880	13.1
4	LEL0180*±4E^A	1/20	2.0	260	2.1	15	3,845	17.5
4	LEL0220*±4E^A	1/20	2.5	325	2.6	15	4,805	21.8
4	LEL0275*±4E^A	1/20	3.0	390	3.1	15	5,765	26.2

Notes:

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

PERFORMANCE DATA

Application Capacity: Low Temperature Hot Gas Defrost- 60 Hz

Please consult AWEF table on pages 46 & 47 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	6°C TD/-29°C SST	10°F TD/-20°F SST	6°C TD/-29°C SST			
			BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H
6	LEL0040*S6H^A	LCH635	3,500	1,000	3,900	1,000	1	685	1,164
6	LEL0045*S6H^A	LCH643	4,700	1,400	5,300	1,600	1	641	1,088
6	LEL0065*S6H^A	LCH665	6,500	1,900	7,200	2,100	2	1,371	2,329
6	LEL0080*S6H^A	LCH676	7,500	2,200	8,400	2,500	2	1,371	2,329
6	LEL0100*S6H^A	LCH694	9,000	2,600	9,900	2,900	2	1,281	2,176
6	LEL0130*S6H^A	LCH6120	12,000	3,500	13,500	4,000	3	2,056	3,493
6	LEL0155*S6H^A	LCH6140	14,000	4,100	16,000	4,700	3	1,922	3,265
6	LEL0170*S6H^A	LCH6160	16,000	4,700	17,900	5,200	4	2,741	4,658
6	LEL0205*S6H^A	LCH6180	18,000	5,300	20,100	5,900	4	2,562	4,353
6	LEL0240*S6H^A	LCH6200	20,000	5,900	22,800	6,600	5	3,203	5,441
6	LEL0255*S6H^A	LCH6240	24,000	7,000	26,900	7,900	6	4,112	6,986
6	LEL0310*S6H^A	LCH6270	28,000	8,200	31,400	9,200	6	3,843	6,529
4	LEL0045*S4H^A	LCH441	4,100	1,200	4,500	1,300	1	667	1,132
4	LEL0070*S4H^A	LCH457 LCH467	6,800	2,000	7,400	2,200	2	1,425	2,422
4	LEL0090*S4H^A	LCH482	8,000	2,300	8,800	2,600	2	1,332	2,263
4	LEL0135*S4H^A	LCH4105	10,200	3,000	12,800	3,700	3	1,998	3,395
4	LEL0180*S4H^A	LCH4139	13,600	4,000	17,300	5,000	4	2,664	4,527
4	LEL0220*S4H^A	LCH4174	17,000	5,000	19,500	5,600	5	3,331	5,659
4	LEL0275*S4H^A	LCH4208 LCH4235	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

PERFORMANCE DATA

Application Capacity: Low Temperature Hot Gas Defrost- 60 Hz

Please consult AWEF table on pages 46 & 47 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	LEL0040*S6H^A	LCH635	3,900	1,000	-	-	1	685	1,164
6	LEL0045*S6H^A	LCH643	5,300	1,600	-	-	1	641	1,088
6	LEL0065*S6H^A	LCH665	7,200	2,100	-	-	2	1,371	2,329
6	LEL0080*S6H^A	LCH676	8,400	2,500	-	-	2	1,371	2,329
6	LEL0100*S6H^A	LCH694	9,900	2,900	-	-	2	1,281	2,176
6	LEL0130*S6H^A	LCH6120	13,500	4,000	-	-	3	2,056	3,493
6	LEL0155*S6H^A	LCH6140	16,000	4,700	-	-	3	1,922	3,265
6	LEL0170*S6H^A	LCH6160	17,900	5,200	-	-	4	2,741	4,658
6	LEL0205*S6H^A	LCH6180	20,100	5,900	-	-	4	2,562	4,353
6	LEL0240*S6H^A	LCH6200	22,400	6,500	-	-	5	3,203	5,441
6	LEL0255*S6H^A	LCH6240	26,900	7,900	-	-	6	4,112	6,986
6	LEL0310*S6H^A	LCH6270	31,400	9,200	-	-	6	3,843	6,529
4	LEL0045*S4H^A	LCH441	4,500	1,300	-	-	1	667	1,132
4	LEL0070*S4H^A	LCH457 LCH467	7,400	2,200	-	-	2	1,425	2,422
4	LEL0090*S4H^A	LCH482	8,800	2,600	-	-	2	1,332	2,263
4	LEL0135*S4H^A	LCH4105	12,100	3,500	-	-	3	1,998	3,395
4	LEL0180*S4H^A	LCH4139	16,300	4,700	-	-	4	2,664	4,527
4	LEL0220*S4H^A	LCH4174	19,000	5,500	-	-	5	3,331	5,659
4	LEL0275*S4H^A	LCH4208 LCH4235	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

PERFORMANCE DATA

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

Please consult AWEF table on pages 46 & 47 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	LEL0040*S6H^A	LCH635	3,325	950	3,705	950	1	617	1,048
6	LEL0045*S6H^A	LCH643	4,465	1,330	5,035	1,520	1	576	979
6	LEL0065*S6H^A	LCH665	6,175	1,805	6,840	1,995	2	1,234	2,096
6	LEL0080*S6H^A	LCH676	7,125	2,090	7,980	2,375	2	1,234	2,096
6	LEL0100*S6H^A	LCH694	8,550	2,470	9,405	2,755	2	1,153	1,959
6	LEL0130*S6H^A	LCH6120	11,400	3,325	12,825	3,800	3	1,850	3,144
6	LEL0155*S6H^A	LCH6140	13,300	3,895	15,200	4,465	3	1,729	2,938
6	LEL0170*S6H^A	LCH6160	15,200	4,465	17,005	4,940	4	2,467	4,192
6	LEL0205*S6H^A	LCH6180	17,100	5,035	19,095	5,605	4	2,306	3,918
6	LEL0240*S6H^A	LCH6200	19,000	5,605	21,660	6,270	5	2,882	4,897
6	LEL0255*S6H^A	LCH6240	22,800	6,650	25,555	7,505	6	3,701	6,288
6	LEL0310*S6H^A	LCH6270	26,600	7,790	29,830	8,740	6	2,459	5,876
4	LEL0045*S4H^A	LCH441	3,895	1,140	4,275	1,235	1	600	1,019
4	LEL0070*S4H^A	LCH457 LCH467	6,460	1,900	7,030	2,090	2	1,283	2,180
4	LEL0090*S4H^A	LCH482	7,600	2,185	8,360	2,470	2	1,199	2,037
4	LEL0135*S4H^A	LCH4105	9,690	2,850	12,160	3,515	3	1,799	3,056
4	LEL0180*S4H^A	LCH4139	12,920	3,800	16,435	4,750	4	2,398	4,074
4	LEL0220*S4H^A	LCH4174	16,150	4,750	18,525	5,320	5	2,998	5,093
4	LEL0275*S4H^A	LCH4208 LCH4235	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 single speed and 2-speed EC motors, use 60 Hz capacity and airflow values. (units with EC motors operating at 50 Hz will not see a reduction in performance due to the electronic control of the motor)

PERFORMANCE DATA

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

Please consult AWEF table on pages 46 & 47 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	LEL0040*S6H^A	LCH635	3,705	950	-	-	1	617	1,048
6	LEL0045*S6H^A	LCH643	5,035	1,520	-	-	1	576	979
6	LEL0065*S6H^A	LCH665	6,840	1,995	-	-	2	1,234	2,096
6	LEL0080*S6H^A	LCH676	7,980	2,375	-	-	2	1,234	2,096
6	LEL0100*S6H^A	LCH694	9,405	2,755	-	-	2	1,153	1,959
6	LEL0130*S6H^A	LCH6120	12,825	3,800	-	-	3	1,850	3,144
6	LEL0155*S6H^A	LCH6140	15,200	4,465	-	-	3	1,729	2,938
6	LEL0170*S6H^A	LCH6160	17,005	4,940	-	-	4	2,467	4,192
6	LEL0205*S6H^A	LCH6180	19,095	5,605	-	-	4	2,306	3,918
6	LEL0240*S6H^A	LCH6200	21,280	6,175	-	-	5	2,882	4,897
6	LEL0255*S6H^A	LCH6240	25,555	7,505	-	-	6	3,701	6,288
6	LEL0310*S6H^A	LCH6270	29,830	8,740	-	-	6	2,459	5,876
4	LEL0045*S4H^A	LCH441	4,275	1,235	-	-	1	600	1,019
4	LEL0070*S4H^A	LCH457 LCH467	7,030	2,090	-	-	2	1,283	2,180
4	LEL0090*S4H^A	LCH482	8,360	2,470	-	-	2	1,199	2,037
4	LEL0135*S4H^A	LCH4105	11,495	3,325	-	-	3	1,799	3,056
4	LEL0180*S4H^A	LCH4139	15,485	4,465	-	-	4	2,398	4,074
4	LEL0220*S4H^A	LCH4174	18,050	5,225	-	-	5	2,998	5,093
4	LEL0275*S4H^A	LCH4208 LCH4235	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 single speed and 2-speed EC motors, use 60 Hz capacity and airflow values. (units with EC motors operating at 50 Hz will not see a reduction in performance due to the electronic control of the motor)

PERFORMANCE DATA

Application Capacity: Medium Temperature Hot Gas Defrost- 60 Hz

Please consult AWEF table on pages 46 & 47 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	6°C TD/-4°C SST	10°F TD/-20°F SST	6°C TD/-4°C SST			
			BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H
6	LEL0040*S6H^A	LCH635	4,000	1,200	4,500	1,300	1	685	1,164
6	LEL0045*S6H^A	LCH643	5,400	1,550	6,100	1,750	1	641	1,088
6	LEL0065*S6H^A	LCH665	7,450	2,150	8,300	2,400	2	1,371	2,329
6	LEL0080*S6H^A	LCH676	8,650	2,500	9,650	2,800	2	1,371	2,329
6	LEL0100*S6H^A	LCH694	10,350	3,000	11,400	3,300	2	1,281	2,176
6	LEL0130*S6H^A	LCH6120	13,800	4,000	15,500	4,500	3	2,056	3,493
6	LEL0155*S6H^A	LCH6140	16,100	4,650	18,400	5,300	3	1,922	3,265
6	LEL0170*S6H^A	LCH6160	18,400	5,300	20,600	5,950	4	2,741	4,658
6	LEL0205*S6H^A	LCH6180	20,700	6,000	23,100	6,650	4	2,562	4,353
6	LEL0240*S6H^A	LCH6200	23,000	6,650	25,750	7,450	5	3,203	5,441
6	LEL0255*S6H^A	LCH6240	27,600	7,950	30,950	8,950	6	4,112	6,986
6	LEL0310*S6H^A	LCH6270	32,200	9,300	36,100	10,400	6	3,843	6,529
4	LEL0045*S4H^A	LCH441	4,700	1,400	5,200	1,500	1	667	1,132
4	LEL0070*S4H^A	LCH457 LCH467	7,800	2,250	8,500	2,450	2	1,425	2,422
4	LEL0090*S4H^A	LCH482	9,200	2,650	10,100	2,900	2	1,332	2,263
4	LEL0135*S4H^A	LCH4105	11,750	3,400	13,050	3,800	3	1,998	3,395
4	LEL0180*S4H^A	LCH4139	15,650	4,500	17,650	5,100	4	2,664	4,527
4	LEL0220*S4H^A	LCH4174	19,550	5,650	21,850	6,300	5	3,331	5,659
4	LEL0275*S4H^A	LCH4208 LCH4235	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

PERFORMANCE DATA

Application Capacity: Medium Temperature Hot Gas Defrost- 60 Hz

Please consult AWEF table on pages 46 & 47 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/-4°C SST	10°F TD/-20°F SST	6°C TD/-4°C SST			
FPI	New Model		BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m^3H
6	LEL0040*S6H^A	LCH635	4,500	1,300	-	-	1	685	1,164
6	LEL0045*S6H^A	LCH643	6,100	1,750	-	-	1	641	1,088
6	LEL0065*S6H^A	LCH665	8,300	2,400	-	-	2	1,371	2,329
6	LEL0080*S6H^A	LCH676	9,650	2,800	-	-	2	1,371	2,329
6	LEL0100*S6H^A	LCH694	11,400	3,300	-	-	2	1,281	2,176
6	LEL0130*S6H^A	LCH6120	15,500	4,500	-	-	3	2,056	3,493
6	LEL0155*S6H^A	LCH6140	18,400	5,300	-	-	3	1,922	3,265
6	LEL0170*S6H^A	LCH6160	20,600	5,950	-	-	4	2,741	4,658
6	LEL0205*S6H^A	LCH6180	23,100	6,650	-	-	4	2,562	4,353
6	LEL0240*S6H^A	LCH6200	25,750	7,450	-	-	5	3,203	5,441
6	LEL0255*S6H^A	LCH6240	30,950	8,950	-	-	6	4,112	6,986
6	LEL0310*S6H^A	LCH6270	36,100	10,400	-	-	6	3,843	6,529
4	LEL0045*S4H^A	LCH441	5,200	1,500	-	-	1	667	1,132
4	LEL0070*S4H^A	LCH457 LCH467	8,500	2,450	-	-	2	1,425	2,422
4	LEL0090*S4H^A	LCH482	10,100	2,900	-	-	2	1,332	2,263
4	LEL0135*S4H^A	LCH4105	13,050	3,800	-	-	3	1,998	3,395
4	LEL0180*S4H^A	LCH4139	17,650	5,100	-	-	4	2,664	4,527
4	LEL0220*S4H^A	LCH4174	21,850	6,300	-	-	5	3,331	5,659
4	LEL0275*S4H^A	LCH4208 LCH4235	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

SPECIFICATIONS

Hot Gas Defrost- 60 Hz

Please consult AWEF table on pages 46 & 47 to confirm model meets DOE minimum AWEF

			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	LEL0040*S6H^A	1/20	0.9	55	1.1	20	150	1.3	0.7	0.3
6	LEL0045*S6H^A	1/20	0.9	55	1.1	20	150	1.3	0.7	0.3
6	LEL0065*S6H^A	1/20	1.8	110	2.0	20	300	2.6	1.3	0.7
6	LEL0080*S6H^A	1/20	1.8	110	2.0	20	300	2.6	1.3	0.7
6	LEL0100*S6H^A	1/20	1.8	110	2.0	20	300	2.6	1.3	0.7
6	LEL0130*S6H^A	1/20	2.7	165	2.9	20	450	3.9	2.0	1.0
6	LEL0155*S6H^A	1/20	2.7	165	2.9	20	450	3.9	2.0	1.0
6	LEL0170*S6H^A	1/20	3.6	220	3.8	20	600	5.2	2.6	1.3
6	LEL0205*S6H^A	1/20	3.6	220	3.8	20	600	5.2	2.6	1.3
6	LEL0240*S6H^A	1/20	4.5	275	4.7	20	750	6.5	3.3	1.6
6	LEL0255*S6H^A	1/20	5.4	330	5.6	20	900	7.8	3.9	2.0
6	LEL0310*S6H^A	1/20	5.4	330	5.6	20	900	7.8	3.9	2.0
4	LEL0045*S4H^A	1/20	0.9	55	1.1	20	150	1.3	0.7	0.3
4	LEL0070*S4H^A	1/20	1.8	110	2.0	20	300	2.6	1.3	0.7
4	LEL0090*S4H^A	1/20	1.8	110	2.0	20	300	2.6	1.3	0.7
4	LEL0135*S4H^A	1/20	2.7	165	2.9	20	450	3.9	2.0	1.0
4	LEL0180*S4H^A	1/20	3.6	220	3.8	20	600	5.2	2.6	1.3
4	LEL0220*S4H^A	1/20	4.5	275	4.7	20	750	6.5	3.3	1.6
4	LEL0275*S4H^A	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	LEL0040*S6H^A	1/20	0.5	55	0.6	15	150	1.3	0.7	0.3
6	LEL0045*S6H^A	1/20	0.5	55	0.6	15	150	1.3	0.7	0.3
6	LEL0065*S6H^A	1/20	1.0	110	1.1	15	300	2.6	1.3	0.7
6	LEL0080*S6H^A	1/20	1.0	110	1.1	15	300	2.6	1.3	0.7
6	LEL0100*S6H^A	1/20	1.0	110	1.1	15	300	2.6	1.3	0.7
6	LEL0130*S6H^A	1/20	1.4	165	1.6	15	450	3.9	2.0	1.0
6	LEL0155*S6H^A	1/20	1.4	165	1.6	15	450	3.9	2.0	1.0
6	LEL0170*S6H^A	1/20	1.9	220	2.1	15	600	5.2	2.6	1.3
6	LEL0205*S6H^A	1/20	1.9	220	2.1	15	600	5.2	2.6	1.3
6	LEL0240*S6H^A	1/20	2.4	275	2.6	15	750	6.5	3.3	1.6
6	LEL0255*S6H^A	1/20	2.9	330	3.1	15	900	7.8	3.9	2.0
6	LEL0310*S6H^A	1/20	2.9	330	3.1	15	900	7.8	3.9	2.0
4	LEL0045*S4H^A	1/20	0.5	55	0.6	15	150	1.3	0.7	0.3
4	LEL0070*S4H^A	1/20	1.0	110	1.1	15	300	2.6	1.3	0.7
4	LEL0090*S4H^A	1/20	1.0	110	1.1	15	300	2.6	1.3	0.7
4	LEL0135*S4H^A	1/20	1.4	165	1.6	15	450	3.9	2.0	1.0
4	LEL0180*S4H^A	1/20	1.9	220	2.1	15	600	5.2	2.6	1.3
4	LEL0220*S4H^A	1/20	2.4	275	2.6	15	750	6.5	3.3	1.6
4	LEL0275*S4H^A	1/20	2.9	330	3.1	15	900	7.8	3.9	2.0

Notes:

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

SPECIFICATIONS

Hot Gas Defrost- 60 Hz

Please consult AWEF table on pages 46 & 47 to confirm model meets DOE minimum AWEF

			1-Speed EC Motor (Totally Enclosed) 115/1/60				Drain Pan Heaters Watts	Drain Pan Heaters 115/1/60 Total Amps	Drain Pan Heaters 230/1/60 Total Amps	Drain Pan Heaters 460/1/60 Total Amps
FPI	New Model	HP	Amps	Watts	MCA	MOPD				
6	LEL0040*S6H^A	1/20	0.9	55	1.1	20	150	1.3	0.7	0.3
6	LEL0045*S6H^A	1/20	0.9	55	1.1	20	150	1.3	0.7	0.3
6	LEL0065*S6H^A	1/20	1.8	110	2.0	20	300	2.6	1.3	0.7
6	LEL0080*S6H^A	1/20	1.8	110	2.0	20	300	2.6	1.3	0.7
6	LEL0100*S6H^A	1/20	1.8	110	2.0	20	300	2.6	1.3	0.7
6	LEL0130*S6H^A	1/20	2.7	165	2.9	20	450	3.9	2.0	1.0
6	LEL0155*S6H^A	1/20	2.7	165	2.9	20	450	3.9	2.0	1.0
6	LEL0170*S6H^A	1/20	3.6	220	3.8	20	600	5.2	2.6	1.3
6	LEL0205*S6H^A	1/20	3.6	220	3.8	20	600	5.2	2.6	1.3
6	LEL0240*S6H^A	1/20	4.5	270	4.7	20	750	6.5	3.3	1.6
6	LEL0255*S6H^A	1/20	5.4	330	5.6	20	900	7.8	3.9	2.0
6	LEL0310*S6H^A	1/20	5.4	330	5.6	20	900	7.8	3.9	2.0
4	LEL0045*S4H^A	1/20	0.9	55	1.1	20	150	1.3	0.7	0.3
4	LEL0070*S4H^A	1/20	1.8	110	2.0	20	300	2.6	1.3	0.7
4	LEL0090*S4H^A	1/20	1.8	110	2.0	20	300	2.6	1.3	0.7
4	LEL0135*S4H^A	1/20	2.7	165	2.9	20	450	3.9	2.0	1.0
4	LEL0180*S4H^A	1/20	3.6	220	3.8	20	600	5.2	2.6	1.3
4	LEL0220*S4H^A	1/20	4.5	275	4.7	20	750	6.5	3.3	1.6
4	LEL0275*S4H^A	1/20	5.4	330	5.6	20	900	7.8	3.9	2.0

			1-Speed EC Motor (Totally Enclosed) 208-230/1/60				Drain Pan Heaters Watts	Drain Pan Heaters 115/1/60 Total Amps	Drain Pan Heaters 230/1/60 Total Amps	Drain Pan Heaters 460/1/60 Total Amps
FPI	New Model	HP	Amps	Watts	MCA	MOPD				
6	LEL0040*S6H^A	1/20	0.5	59	0.6	15	150	1.3	0.7	0.3
6	LEL0045*S6H^A	1/20	0.5	59	0.6	15	150	1.3	0.7	0.3
6	LEL0065*S6H^A	1/20	1.0	118	1.1	15	300	2.6	1.3	0.7
6	LEL0080*S6H^A	1/20	1.0	118	1.1	15	300	2.6	1.3	0.7
6	LEL0100*S6H^A	1/20	1.0	118	1.1	15	300	2.6	1.3	0.7
6	LEL0130*S6H^A	1/20	1.5	177	1.6	15	450	3.9	2.0	1.0
6	LEL0155*S6H^A	1/20	1.5	177	1.6	15	450	3.9	2.0	1.0
6	LEL0170*S6H^A	1/20	2.0	236	2.1	15	600	5.2	2.6	1.3
6	LEL0205*S6H^A	1/20	2.0	236	2.1	15	600	5.2	2.6	1.3
6	LEL0240*S6H^A	1/20	2.5	295	2.6	15	750	6.5	3.3	1.6
6	LEL0255*S6H^A	1/20	3.0	354	3.1	15	900	7.8	3.9	2.0
6	LEL0310*S6H^A	1/20	3.0	354	3.1	15	900	7.8	3.9	2.0
4	LEL0045*S4H^A	1/20	0.5	59	0.6	15	150	1.3	0.7	0.3
4	LEL0070*S4H^A	1/20	1.0	118	1.1	15	300	2.6	1.3	0.7
4	LEL0090*S4H^A	1/20	1.0	118	1.1	15	300	2.6	1.3	0.7
4	LEL0135*S4H^A	1/20	1.5	177	1.6	15	450	3.9	2.0	1.0
4	LEL0180*S4H^A	1/20	2.0	236	2.1	15	600	5.2	2.6	1.3
4	LEL0220*S4H^A	1/20	2.5	295	2.6	15	750	6.5	3.3	1.6
4	LEL0275*S4H^A	1/20	3.0	354	3.1	15	900	7.8	3.9	2.0

Notes:

* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

SPECIFICATIONS

Hot Gas Defrost- 60 Hz

Please consult AWEF table on pages 46 & 47 to confirm model meets DOE minimum AWEF

			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	LEL0040*S6H^A	1/20	1.0	82	1.3	20	150	1.3	0.7	0.3
6	LEL0045*S6H^A	1/20	1.0	82	1.3	20	150	1.3	0.7	0.3
6	LEL0065*S6H^A	1/20	2.0	164	2.3	20	300	2.6	1.3	0.7
6	LEL0080*S6H^A	1/20	2.0	164	2.3	20	300	2.6	1.3	0.7
6	LEL0100*S6H^A	1/20	2.0	164	2.3	20	300	2.6	1.3	0.7
6	LEL0130*S6H^A	1/20	3.0	246	3.3	20	450	3.9	2.0	1.0
6	LEL0155*S6H^A	1/20	3.0	246	3.3	20	450	3.9	2.0	1.0
6	LEL0170*S6H^A	1/20	4.0	328	4.3	20	600	5.2	2.6	1.3
6	LEL0205*S6H^A	1/20	4.0	328	4.3	20	600	5.2	2.6	1.3
6	LEL0240*S6H^A	1/20	5.0	410	5.3	20	750	6.5	3.3	1.6
6	LEL0255*S6H^A	1/20	6.0	492	6.3	20	900	7.8	3.9	2.0
6	LEL0310*S6H^A	1/20	6.0	492	6.3	20	900	7.8	3.9	2.0
4	LEL0045*S4H^A	1/20	1.0	82	1.3	20	150	1.3	0.7	0.3
4	LEL0070*S4H^A	1/20	2.0	164	2.3	20	300	2.6	1.3	0.7
4	LEL0090*S4H^A	1/20	2.0	164	2.3	20	300	2.6	1.3	0.7
4	LEL0135*S4H^A	1/20	3.0	246	3.3	20	450	3.9	2.0	1.0
4	LEL0180*S4H^A	1/20	4.0	328	4.3	20	600	5.2	2.6	1.3
4	LEL0220*S4H^A	1/20	5.0	410	5.3	20	750	6.5	3.3	1.6
4	LEL0275*S4H^A	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	LEL0040*S6H^A	1/20	0.5	91	0.6	15	150	1.3	0.7	0.3
6	LEL0045*S6H^A	1/20	0.5	91	0.6	15	150	1.3	0.7	0.3
6	LEL0065*S6H^A	1/20	1.0	182	1.1	15	300	2.6	1.3	0.7
6	LEL0080*S6H^A	1/20	1.0	182	1.1	15	300	2.6	1.3	0.7
6	LEL0100*S6H^A	1/20	1.0	182	1.1	15	300	2.6	1.3	0.7
6	LEL0130*S6H^A	1/20	1.5	273	1.6	15	450	3.9	2.0	1.0
6	LEL0155*S6H^A	1/20	1.5	273	1.6	15	450	3.9	2.0	1.0
6	LEL0170*S6H^A	1/20	2.0	364	2.1	15	600	5.2	2.6	1.3
6	LEL0205*S6H^A	1/20	2.0	364	2.1	15	600	5.2	2.6	1.3
6	LEL0240*S6H^A	1/20	2.5	455	2.6	15	750	6.5	3.3	1.6
6	LEL0255*S6H^A	1/20	3.0	546	3.1	15	900	7.8	3.9	2.0
6	LEL0310*S6H^A	1/20	3.0	546	3.1	15	900	7.8	3.9	2.0
4	LEL0045*S4H^A	1/20	0.5	91	0.6	15	150	1.3	0.7	0.3
4	LEL0070*S4H^A	1/20	1.0	182	1.1	15	300	2.6	1.3	0.7
4	LEL0090*S4H^A	1/20	1.0	182	1.1	15	300	2.6	1.3	0.7
4	LEL0135*S4H^A	1/20	1.5	273	1.6	15	450	3.9	2.0	1.0
4	LEL0180*S4H^A	1/20	2.0	364	2.1	15	600	5.2	2.6	1.3
4	LEL0220*S4H^A	1/20	2.5	455	2.6	15	750	6.5	3.3	1.6
4	LEL0275*S4H^A	1/20	3.0	546	3.1	15	900	7.8	3.9	2.0

Notes:

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

SPECIFICATIONS

Hot Gas Defrost- 60 Hz

Please consult AWEF table on pages 46 & 47 to confirm model meets DOE minimum AWEF

			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	LEL0040*S6H^A	1/20	0.4	117	0.5	15	150	1.3	0.7	0.3
6	LEL0045*S6H^A	1/20	0.4	117	0.5	15	150	1.3	0.7	0.3
6	LEL0065*S6H^A	1/20	0.8	234	0.9	15	300	2.6	1.3	0.7
6	LEL0080*S6H^A	1/20	0.8	234	0.9	15	300	2.6	1.3	0.7
6	LEL0100*S6H^A	1/20	0.8	234	0.9	15	300	2.6	1.3	0.7
6	LEL0130*S6H^A	1/20	1.2	351	1.3	15	450	3.9	2.0	1.0
6	LEL0155*S6H^A	1/20	1.2	351	1.3	15	450	3.9	2.0	1.0
6	LEL0170*S6H^A	1/20	1.6	468	1.7	15	600	5.2	2.6	1.3
6	LEL0205*S6H^A	1/20	1.6	468	1.7	15	600	5.2	2.6	1.3
6	LEL0240*S6H^A	1/20	2.0	585	2.1	15	750	6.5	3.3	1.6
6	LEL0255*S6H^A	1/20	2.4	702	2.5	15	900	7.8	3.9	2.0
6	LEL0310*S6H^A	1/20	2.4	702	2.5	15	900	7.8	3.9	2.0
4	LEL0045*S4H^A	1/20	0.4	117	0.5	15	150	1.3	0.7	0.3
4	LEL0070*S4H^A	1/20	0.8	234	0.9	15	300	2.6	1.3	0.7
4	LEL0090*S4H^A	1/20	0.8	234	0.9	15	300	2.6	1.3	0.7
4	LEL0135*S4H^A	1/20	1.2	351	1.3	15	450	3.9	2.0	1.0
4	LEL0180*S4H^A	1/20	1.6	468	1.7	15	600	5.2	2.6	1.3
4	LEL0220*S4H^A	1/20	2.0	585	2.1	15	750	6.5	3.3	1.6
4	LEL0275*S4H^A	1/20	2.4	702	2.5	15	900	7.8	3.9	2.0

Notes:

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

SPECIFICATIONS

Hot Gas Defrost- 50 Hz

Please consult AWEF table on pages 46 & 47 to confirm model meets DOE minimum AWEF

			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	LEL0040*S6H^A	1/20	0.5	55	0.6	15	135	0.6
6	LEL0045*S6H^A	1/20	0.5	55	0.6	15	135	0.6
6	LEL0065*S6H^A	1/20	1.0	110	1.1	15	275	1.2
6	LEL0080*S6H^A	1/20	1.0	110	1.1	15	275	1.2
6	LEL0100*S6H^A	1/20	1.0	110	1.1	15	275	1.2
6	LEL0130*S6H^A	1/20	1.5	165	1.6	15	410	1.9
6	LEL0155*S6H^A	1/20	1.5	165	1.6	15	410	1.9
6	LEL0170*S6H^A	1/20	2.0	220	2.1	15	550	2.5
6	LEL0205*S6H^A	1/20	2.0	220	2.1	15	550	2.5
6	LEL0240*S6H^A	1/20	2.5	275	2.6	15	690	3.1
6	LEL0255*S6H^A	1/20	3.0	330	3.1	15	825	3.7
6	LEL0310*S6H^A	1/20	3.0	330	3.1	15	825	3.7
4	LEL0045*S4H^A	1/20	0.5	55	0.6	15	135	0.6
4	LEL0070*S4H^A	1/20	1.0	110	1.1	15	275	1.2
4	LEL0090*S4H^A	1/20	1.0	110	1.1	15	275	1.2
4	LEL0135*S4H^A	1/20	1.5	165	1.6	15	410	1.9
4	LEL0180*S4H^A	1/20	2.0	220	2.1	15	550	2.5
4	LEL0220*S4H^A	1/20	2.5	275	2.6	15	690	3.1
4	LEL0275*S4H^A	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	LEL0040*S6H^A	1/20	0.5	59	0.6	15	135	0.6
6	LEL0045*S6H^A	1/20	0.5	59	0.6	15	135	0.6
6	LEL0065*S6H^A	1/20	1.0	118	1.1	15	275	1.2
6	LEL0080*S6H^A	1/20	1.0	118	1.1	15	275	1.2
6	LEL0100*S6H^A	1/20	1.0	118	1.1	15	275	1.2
6	LEL0130*S6H^A	1/20	1.5	177	1.6	15	410	1.9
6	LEL0155*S6H^A	1/20	1.5	177	1.6	15	410	1.9
6	LEL0170*S6H^A	1/20	2.0	236	2.1	15	550	2.5
6	LEL0205*S6H^A	1/20	2.0	236	2.1	15	550	2.5
6	LEL0240*S6H^A	1/20	2.5	295	2.6	15	690	3.1
6	LEL0255*S6H^A	1/20	3.0	354	3.1	15	825	3.7
6	LEL0310*S6H^A	1/20	3.0	354	3.1	15	825	3.7
4	LEL0045*S4H^A	1/20	0.5	59	0.6	15	135	0.6
4	LEL0070*S4H^A	1/20	1.0	118	1.1	15	275	1.2
4	LEL0090*S4H^A	1/20	1.0	118	1.1	15	275	1.2
4	LEL0135*S4H^A	1/20	1.5	177	1.6	15	410	1.9
4	LEL0180*S4H^A	1/20	2.0	236	2.1	15	550	2.5
4	LEL0220*S4H^A	1/20	2.5	295	2.6	15	690	3.1
4	LEL0275*S4H^A	1/20	3.0	354	3.1	15	825	3.7

Notes:

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

SPECIFICATIONS

Hot Gas Defrost- 50 Hz

Please consult AWEF table on pages 46 & 47 to confirm model meets DOE minimum AWEF

			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	LEL0040*S6H^A	1/20	0.5	65	0.6	15	135	0.6
6	LEL0045*S6H^A	1/20	0.5	65	0.6	15	135	0.6
6	LEL0065*S6H^A	1/20	1.0	130	1.1	15	275	1.2
6	LEL0080*S6H^A	1/20	1.0	130	1.1	15	275	1.2
6	LEL0100*S6H^A	1/20	1.0	130	1.1	15	275	1.2
6	LEL0130*S6H^A	1/20	1.5	195	1.6	15	410	1.9
6	LEL0155*S6H^A	1/20	1.5	195	1.6	15	410	1.9
6	LEL0170*S6H^A	1/20	2.0	260	2.1	15	550	2.5
6	LEL0205*S6H^A	1/20	2.0	260	2.1	15	550	2.5
6	LEL0240*S6H^A	1/20	2.5	325	2.6	15	690	3.1
6	LEL0255*S6H^A	1/20	3.0	390	3.1	15	825	3.7
6	LEL0310*S6H^A	1/20	3.0	390	3.1	15	825	3.7
4	LEL0045*S4H^A	1/20	0.5	65	0.6	15	135	0.6
4	LEL0070*S4H^A	1/20	1.0	130	1.1	15	275	1.2
4	LEL0090*S4H^A	1/20	1.0	130	1.1	15	275	1.2
4	LEL0135*S4H^A	1/20	1.5	195	1.6	15	410	1.9
4	LEL0180*S4H^A	1/20	2.0	260	2.1	15	550	2.5
4	LEL0220*S4H^A	1/20	2.5	325	2.6	15	690	3.1
4	LEL0275*S4H^A	1/20	3.0	390	3.1	15	825	3.7

Notes:

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

PHYSICAL DATA

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

						Approx. Net Weight	
Model	No. of Fans	Coil Inlet OD	Suction OD	Equalizer OD	Drain MPT	Lbs.	Kg
LEL0045*S6A^A	1	1/2	1/2	1/4	3/4	33	15
LEL0055*S6A^A	1	1/2	5/8	1/4	3/4	36	16
LEL0060*S6A^A	1	1/2	5/8	1/4	3/4	36	16
LEL0095*S6A^A	2	1/2	5/8	1/4	3/4	51	23
LEL0105*S6A^A	2	1/2	5/8	1/4	3/4	52	24
LEL0115*S6A^A	2	1/2	7/8	1/4	3/4	56	26
LEL0125*S6A^A	2	1/2	7/8	1/4	3/4	56	26
LEL0155*S6A^A	3	1/2	7/8	1/4	3/4	67	30
LEL0190*S6A^A	3	1/2	7/8	1/4	3/4	73	33
LEL0250*S6A^A	4	1/2	7/8	1/4	3/4	94	43
LEL0295*S6A^A	5	1/2	7/8	1/4	3/4	115	52
LEL0350*S6A^A	6	1/2	1-1/8	1/4	3/4	133	60
LEL0380*S6A^A	6	1/2	1-1/8	1/4	3/4	137	62

Air Defrost (CO_2 DX)

					Approx. Net Weight	
Model	No. of Fans	Coil Inlet [2]	Suction OD [2]	Drain MPT	Lbs.	Kg
LEL0045*C6A^A	1	3/8	3/8	3/4	33	15
LEL0055*C6A^A	1	3/8	3/8	3/4	36	16
LEL0060*C6A^A	1	3/8	3/8	3/4	36	16
LEL0095*C6A^A	2	3/8	3/8	3/4	51	23
LEL0105*C6A^A	2	3/8	3/8	3/4	52	24
LEL0115*C6A^A	2	3/8	3/8	3/4	56	26
LEL0125*C6A^A	2	3/8	3/8	3/4	56	26
LEL0155*C6A^A	3	3/8	3/8	3/4	67	30
LEL0190*C6A^A	3	3/8	3/8	3/4	73	33
LEL0250*C6A^A	4	3/8	1/2	3/4	94	43
LEL0295*C6A^A	5	3/8	1/2	3/4	115	52
LEL0350*C6A^A	6	3/8	1/2	3/4	133	60
LEL0380*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 (R-404A/R-507A, R-448A/R-449A, R-407A/R-407F, R-407C)

Model	No. of Fans	Coil Inlet OD	Suction OD	Equalizer OD	Drain MPT	Approx. Net Weight	
						Lbs.	Kg
LEL0045*S6A^A	1	1/2	1/2	1/4	3/4	33	15
LEL0055*S6A^A	1	1/2	5/8	1/4	3/4	36	16
LEL0060*S6A^A	1	1/2	5/8	1/4	3/4	36	16
LEL0095*S6A^A	2	1/2	5/8	1/4	3/4	51	23
LEL0105*S6A^A	2	1/2	5/8	1/4	3/4	52	24
LEL0115*S6A^A	2	1/2	7/8	1/4	3/4	56	26
LEL0125*S6A^A	2	1/2	7/8	1/4	3/4	56	26
LEL0155*S6A^A	3	1/2	7/8	1/4	3/4	67	30
LEL0190*S6A^A	3	1/2	7/8	1/4	3/4	73	33
LEL0250*S6A^A	4	1/2	7/8	1/4	3/4	94	43
LEL0295*S6A^A	5	1/2	7/8	1/4	3/4	115	52
LEL0350*S6A^A	6	1/2	1-1/8	1/4	3/4	133	60
LEL0380*S6A^A	6	1/2	1-1/8	1/4	3/4	137	62

Electric Defrost (CO_2 DX)

FPI	Model	No. of Fans	Coil Inlet [2]	Suction OD [2]	Drain MPT	Approx. Net Weight	
						Lbs.	Kg
6	LEL0040*C6E^A	1	3/8	3/8	36	16	16
6	LEL0045*C6E^A	1	3/8	3/8	38	17	17
6	LEL0065*C6E^A	2	3/8	3/8	54	24	24
6	LEL0080*C6E^A	2	3/8	1/2	54	24	24
6	LEL0100*C6E^A	2	3/8	1/2	59	27	27
6	LEL0130*C6E^A	3	3/8	1/2	71	32	32
6	LEL0155*C6E^A	3	3/8	1/2	78	35	35
6	LEL0170*C6E^A	4	3/8	1/2	91	41	41
6	LEL0205*C6E^A	4	3/8	1/2	100	45	45
6	LEL0240*C6E^A	5	3/8	5/8	120	54	54
6	LEL0255*C6E^A	6	3/8	5/8	134	61	61
6	LEL0310*C6E^A	6	3/8	5/8	146	66	66
4	LEL0045*C4E^A	1	3/8	3/8	38	17	17
4	LEL0070*C4E^A	2	3/8	3/8	53	24	24
4	LEL0090*C4E^A	2	3/8	1/2	59	27	27
4	LEL0135*C4E^A	3	3/8	1/2	77	35	35
4	LEL0180*C4E^A	4	3/8	1/2	100	45	45
4	LEL0220*C4E^A	5	3/8	1/2	119	54	54
4	LEL0275*C4E^A	6	3/8	5/8	142	64	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

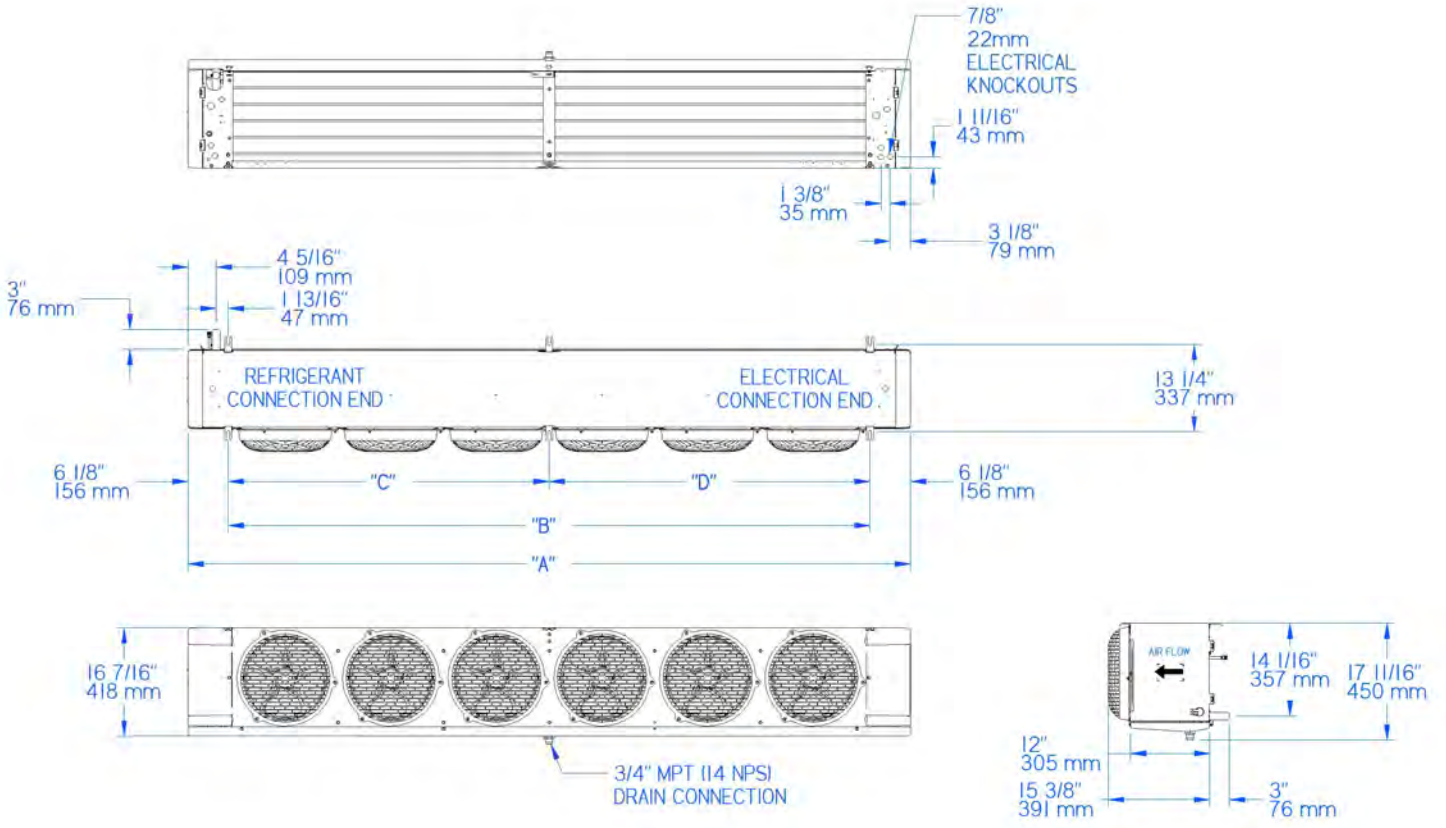
Hot Gas Defrost

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	
									Lbs.	Kg
6	LEL0040*S6H^A	1	1/2	5/8	1/4	3/4	1/2	5/8	38	17
6	LEL0045*S6H^A	1	1/2	5/8	1/4	3/4	1/2	5/8	40	18
6	LEL0065*S6H^A	2	1/2	5/8	1/4	3/4	1/2	5/8	56	25
6	LEL0080*S6H^A	2	1/2	5/8	1/4	3/4	1/2	5/8	56	25
6	LEL0100*S6H^A	2	1/2	7/8	1/4	3/4	1/2	5/8	61	27
6	LEL0130*S6H^A	3	1/2	7/8	1/4	3/4	1/2	5/8	73	33
6	LEL0155*S6H^A	3	1/2	1-1/8	1/4	3/4	1/2	5/8	80	36
6	LEL0170*S6H^A	4	1/2	7/8	1/4	3/4	1/2	5/8	93	42
6	LEL0205*S6H^A	4	1/2	1-1/8	1/4	3/4	1/2	5/8	102	46
6	LEL0240*S6H^A	5	1/2	1-1/8	1/4	3/4	1/2	5/8	122	55
6	LEL0255*S6H^A	6	1/2	1-1/8	1/4	3/4	1/2	5/8	136	62
6	LEL0310*S6H^A	6	1/2	1-1/8	1/4	3/4	1/2	5/8	148	67
4	LEL0045*S4H^A	1	1/2	5/8	1/4	3/4	1/2	5/8	40	18
4	LEL0070*S4H^A	2	1/2	5/8	1/4	3/4	1/2	5/8	55	25
4	LEL0090*S4H^A	2	1/2	7/8	1/4	3/4	1/2	5/8	61	28
4	LEL0135*S4H^A	3	1/2	7/8	1/4	3/4	1/2	5/8	79	36
4	LEL0180*S4H^A	4	1/2	1-1/8	1/4	3/4	1/2	5/8	102	46
4	LEL0220*S4H^A	5	1/2	1-1/8	1/4	3/4	1/2	5/8	121	55
4	LEL0275*S4H^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)

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/ R-449A	R-407A/ R-407F	R-407C	CO_2 DX
		AWEF	AWEF	AWEF	AWEF	AWEF
6	LEL0045*S6AMA	9.00	9.00	9.00	9.00	9.00
6	LEL0055*S6AMA	9.00	9.00	9.00	9.00	9.00
6	LEL0060*S6AMA	9.00	9.00	9.00	9.00	9.00
6	LEL0095*S6AMA	9.00	9.00	9.00	9.00	9.00
6	LEL0105*S6AMA	9.00	9.00	9.00	9.00	9.00
6	LEL0115*S6AMA	9.00	9.00	9.00	9.00	9.00
6	LEL0125*S6AMA	9.00	9.00	9.00	9.00	9.00
6	LEL0155*S6AMA	9.00	9.00	9.00	9.00	9.00
6	LEL0190*S6AMA	9.00	9.00	9.00	9.00	9.00
6	LEL0250*S6AMA	9.00	9.00	9.00	9.00	9.00
6	LEL0295*S6AMA	9.00	9.00	9.00	9.00	9.00
6	LEL0350*S6AMA	9.00	9.00	9.00	9.00	9.00
6	LEL0380*S6AMA	9.00	9.00	9.00	9.00	9.00

DOE Rated AWEF

AWEF DATA

Electric Defrost/1-Speed EC Motors

FPI	Model	Freezer				
		R-404A/ R-507A	R-448A/ R-449A	R-407A/ R-407F	R-407C	CO_2 DX
		AWEF	AWEF	AWEF	AWEF	AWEF
6	LEL0040*±6EEA	3.96	3.96	3.96	-	3.96
6	LEL0045*±6EEA	3.96	3.96	3.96	-	3.96
6	LEL0065*±6EEA	4.00	4.03	4.02	-	4.00
6	LEL0080*±6EEA	4.03	4.03	4.03	-	4.03
6	LEL0100*±6EEA	4.00	4.06	4.06	-	4.00
6	LEL0130*±6EEA	4.09	4.09	4.09	-	4.09
6	LEL0155*±6EEA	4.10	4.10	4.10	-	4.10
6	LEL0170*±6EEA	4.14	4.14	4.14	-	4.14
6	LEL0205*±6EEA	4.15	4.15	4.15	-	4.15
6	LEL0240*±6EEA	4.15	4.15	4.15	-	4.15
6	LEL0255*±6EEA	4.15	4.15	4.15	-	4.15
6	LEL0310*±6EEA	4.15	4.15	4.15	-	4.15
4	LEL0045*±4EEA	3.96	3.96	3.96	-	3.96
4	LEL0070*±4EEA	3.99	3.99	3.99	-	-
4	LEL0090*±4EEA	4.02	4.02	4.02	-	4.02
4	LEL0135*±4EEA	4.07	4.07	4.07	-	4.07
4	LEL0180*±4EEA	4.12	4.12	4.12	-	4.12
4	LEL0220*±4EEA	4.15	4.15	4.15	-	4.15
4	LEL0275*±4EEA	4.15	4.15	4.15	-	4.15

DOE Rated AWEF

AWEF DATA

Electric Defrost/2-Speed EC Motors

FPI	Model	Cooler				
		R-404A/ R-507A	R-448A/ R-449A	R-407A/ R-407F	R-407C	CO_2 DX
		AWEF	AWEF	AWEF	AWEF	AWEF
6	LEL0040*±6EMA	9.00	9.00	9.00	-	9.00
6	LEL0045*±6EMA	9.00	9.00	9.00	-	9.00
6	LEL0065*±6EMA	9.00	9.00	9.00	-	9.00
6	LEL0080*±6EMA	9.00	9.00	9.00	-	9.00
6	LEL0100*±6EMA	9.00	9.00	9.00	-	9.00
6	LEL0130*±6EMA	9.00	9.00	9.00	-	9.00
6	LEL0155*±6EMA	9.00	9.00	9.00	-	9.00
6	LEL0170*±6EMA	9.00	9.00	9.00	-	9.00
6	LEL0205*±6EMA	9.00	9.00	9.00	-	9.00
6	LEL0240*±6EMA	9.00	9.00	9.00	-	9.00
6	LEL0255*±6EMA	9.00	9.00	9.00	-	9.00
6	LEL0310*±6EMA	9.00	9.00	9.00	-	9.00
4	LEL0045*±4EMA	9.00	9.00	9.00	-	9.00
4	LEL0070*±4EMA	9.00	9.00	9.00	-	-
4	LEL0090*±4EMA	9.00	9.00	9.00	-	9.00
4	LEL0135*±4EMA	9.00	9.00	9.00	-	9.00
4	LEL0180*±4EMA	9.00	9.00	9.00	-	9.00
4	LEL0220*±4EMA	9.00	9.00	9.00	-	9.00
4	LEL0275*±4EMA	9.00	9.00	9.00	-	9.00

FPI	Model	Freezer				
		R-404A/ R-507A	R-448A/ R-449A	R-407A/ R-407F	R-407C	CO_2 DX
		AWEF	AWEF	AWEF	AWEF	AWEF
6	LEL0040*±6EMA	3.96	3.96	3.96	-	3.96
6	LEL0045*±6EMA	3.96	3.96	3.96	-	3.96
6	LEL0065*±6EMA	4.00	4.03	4.02	-	4.00
6	LEL0080*±6EMA	4.00	4.00	4.00	-	4.00
6	LEL0100*±6EMA	4.03	4.03	4.03	-	4.03
6	LEL0130*±6EMA	4.06	4.06	4.06	-	4.06
6	LEL0155*±6EMA	4.09	4.09	4.09	-	4.09
6	LEL0170*±6EMA	4.10	4.10	4.10	-	4.10
6	LEL0205*±6EMA	4.14	4.14	4.14	-	4.14
6	LEL0240*±6EMA	4.15	4.15	4.15	-	4.15
6	LEL0255*±6EMA	4.15	4.15	4.15	-	4.15
6	LEL0310*±6EMA	4.15	4.15	4.15	-	4.15
4	LEL0045*±4EMA	3.96	3.96	3.96	-	3.96
4	LEL0070*±4EMA	3.99	3.99	3.99	-	-
4	LEL0090*±4EMA	4.02	4.02	4.02	-	4.02
4	LEL0135*±4EMA	4.07	4.07	4.07	-	4.07
4	LEL0180*±4EMA	4.12	4.12	4.12	-	4.12
4	LEL0220*±4EMA	4.15	4.15	4.15	-	4.15
4	LEL0275*±4EMA	4.15	4.15	4.15	-	4.15

DOE Rated AWEF

AWEF DATA

Hot Gas Defrost/1-Speed EC Motors

FPI	Model	Freezer			
		R-404A/ R-507A	R-448A/ R-449A	R-407A/ R-407F	R-407C
		AWEF	AWEF	AWEF	AWEF
6	LEL0040*S6HEA	3.96	3.96	3.96	-
6	LEL0045*S6HEA	3.96	3.96	3.96	-
6	LEL0065*S6HEA	4.00	4.03	4.02	-
6	LEL0080*S6HEA	4.03	4.03	4.03	-
6	LEL0100*S6HEA	4.06	4.06	4.06	-
6	LEL0130*S6HEA	4.09	4.09	4.09	-
6	LEL0155*S6HEA	4.10	4.10	4.10	-
6	LEL0170*S6HEA	4.14	4.14	4.14	-
6	LEL0205*S6HEA	4.15	4.15	4.15	-
6	LEL0240*S6HEA	4.15	4.15	4.15	-
6	LEL0255*S6HEA	4.15	4.15	4.15	-
6	LEL0310*S6HEA	4.15	4.15	4.15	-
4	LEL0045*S4HEA	3.96	3.96	3.96	-
4	LEL0070*S4HEA	3.99	3.99	3.99	-
4	LEL0090*S4HEA	4.02	4.02	4.02	-
4	LEL0135*S4HEA	4.07	4.07	4.07	-
4	LEL0180*S4HEA	4.12	4.12	4.12	-
4	LEL0220*S4HEA	4.15	4.15	4.15	-
4	LEL0275*S4HEA	4.15	4.15	4.15	-

DOE Rated AWEF

AWEF DATA

Hot Gas Defrost/2-Speed EC Motors

FPI	Model	Cooler			
		R-404A/ R-507A	R-448A/ R-449A	R-407A/ R-407F	R-407C
		AWEF	AWEF	AWEF	AWEF
6	LEL0040*S6HMA	9.00	9.00	9.00	-
6	LEL0045*S6HMA	9.00	9.00	9.00	-
6	LEL0065*S6HMA	9.00	9.00	9.00	-
6	LEL0080*S6HMA	9.00	9.00	9.00	-
6	LEL0100*S6HMA	9.00	9.00	9.00	-
6	LEL0130*S6HMA	9.00	9.00	9.00	-
6	LEL0155*S6HMA	9.00	9.00	9.00	-
6	LEL0170*S6HMA	9.00	9.00	9.00	-
6	LEL0205*S6HMA	9.00	9.00	9.00	-
6	LEL0240*S6HMA	9.00	9.00	9.00	-
6	LEL0255*S6HMA	9.00	9.00	9.00	-
6	LEL0310*S6HMA	9.00	9.00	9.00	-
4	LEL0045*S4HMA	9.00	9.00	9.00	-
4	LEL0070*S4HMA	9.00	9.00	9.00	-
4	LEL0090*S4HMA	9.00	9.00	9.00	-
4	LEL0135*S4HMA	9.00	9.00	9.00	-
4	LEL0180*S4HMA	9.00	9.00	9.00	-
4	LEL0220*S4HMA	9.00	9.00	9.00	-
4	LEL0275*S4HMA	9.00	9.00	9.00	-

FPI	Model	Freezer			
		R-404A/ R-507A	R-448A/ R-449A	R-407A/ R-407F	R-407C
		AWEF	AWEF	AWEF	AWEF
6	LEL0040*S6HMA	3.96	3.96	3.96	-
6	LEL0045*S6HMA	3.96	3.96	3.96	-
6	LEL0065*S6HMA	4.00	4.03	4.02	-
6	LEL0080*S6HMA	4.00	4.00	4.00	-
6	LEL0100*S6HMA	4.03	4.03	4.03	-
6	LEL0130*S6HMA	4.06	4.06	4.06	-
6	LEL0155*S6HMA	4.09	4.09	4.09	-
6	LEL0170*S6HMA	4.10	4.10	4.10	-
6	LEL0205*S6HMA	4.14	4.14	4.14	-
6	LEL0240*S6HMA	4.15	4.15	4.15	-
6	LEL0255*S6HMA	4.15	4.15	4.15	-
6	LEL0310*S6HMA	4.15	4.15	4.15	-
4	LEL0045*S4HMA	3.96	3.96	3.96	-
4	LEL0070*S4HMA	3.99	3.99	3.99	-
4	LEL0090*S4HMA	4.02	4.02	4.02	-
4	LEL0135*S4HMA	4.07	4.07	4.07	-
4	LEL0180*S4HMA	4.12	4.12	4.12	-
4	LEL0220*S4HMA	4.15	4.15	4.15	-
4	LEL0275*S4HMA	4.15	4.15	4.15	-

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	LEL0040*S6H^A	50756301	50756302	50692204	50692302
6	LEL0045*S6H^A	50756301	50756302	50692204	50692302
6	LEL0065*S6H^A	50756301	50756302	50692204	50692302
6	LEL0080*S6H^A	50756301	50756302	50692204	50692302
6	LEL0100*S6H^A	50756301	50756302	5069225	50692302
6	LEL0130*S6H^A	50756301	50756302	5069225	50692302
6	LEL0155*S6H^A	50756301	50756302	50692206	50692302
6	LEL0170*S6H^A	50756301	50756302	50692205	50692302
6	LEL0205*S6H^A	50756301	50756302	50692206	50692302
6	LEL0240*S6H^A	50756301	50756302	50692206	50692302
6	LEL0255*S6H^A	50756301	50756302	50692206	50692302
6	LEL0310*S6H^A	50756301	50756302	50692206	50692302
4	LEL0045*S4H^A	50756301	50756302	50692204	50692302
4	LEL0070*S4H^A	50756301	50756302	50692204	50692302
4	LEL0090*S4H^A	50756301	50756302	50692205	50692302
4	LEL0135*S4H^A	50756301	50756302	50692205	50692302
4	LEL0180*S4H^A	50756301	50756302	50692206	50692302
4	LEL0220*S4H^A	50756301	50756302	50692206	50692302
4	LEL0275*S4H^A	50756301	50756302	50692206	50692302

REVERSE CYCLE PIPING

Reverse cycle defrost unit cooler operation

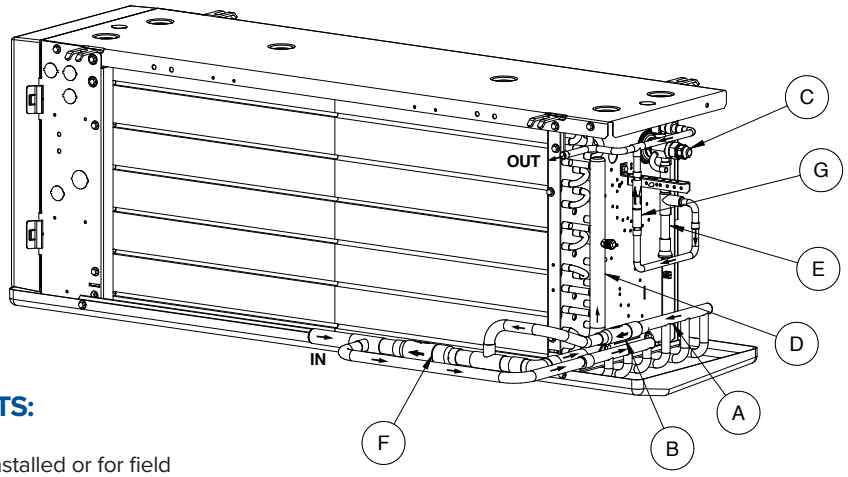
Reverse cycle defrost is a common method used in systems that include at least four unit coolers connected to a compressor rack. No more than 25% of the connected unit coolers are typically defrosted at the same time.

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.

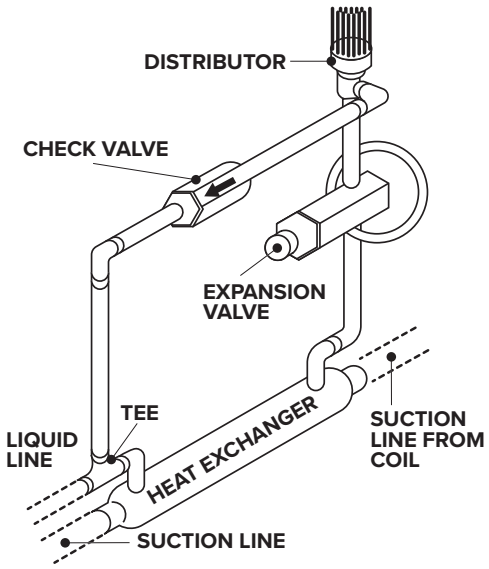


FIGURE 2. Typical Liquid Line Bypass Kit
(Shown assembled and modified for heat exchanger)

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)

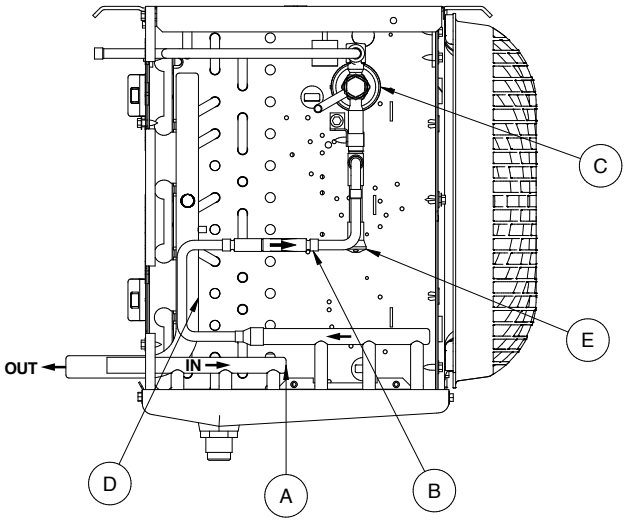
A. Hot gas drain pan loop

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	23106301
25312601S / 25329101S	EC	208-230	2-SP	23106301
25317701S	EC	208-230	1-SP	23106301
25309501S	PSC	115	1-SP	23106301
25309801S	PSC	208-230	1-SP	23106301
25309701S	PSC	460	1-SP	23106401

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
37001701	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

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
LEL0045*S6A^A	1	3/16	15	1	-	-	-	-
LEL0055*S6A^A	1	3/16	15	2	L-1/3	L-1/2	L-1/3	L-1/3
LEL0060*S6A^A	1	3/16	15	2	L-1/2	L-3/4	L-1/2	L-1/2
LEL0095*S6A^A	2	3/16	15	2	L-1/2	L-3/4	L-1/2	L-1/2
LEL0105*S6A^A	2	3/16	15	3	L-3/4	L-1	L-3/4	L-3/4
LEL0115*S6A^A	2	3/16	15	4	L-1	L-1-1/2	L-1	L-1
LEL0125*S6A^A	2	3/16	15	4	L-1	L-1-1/2	L-1	L-1
LEL0155*S6A^A	3	3/16	15	4	L-1	L-1-1/2	L-1	L-1
LEL0190*S6A^A	3	3/16	15	6	L-1-1/2	L-2	L-1-1/2	L-1-1/2
LEL0250*S6A^A	4	3/16	15	6	L-1-1/2	L-2	L-1-1/2	L-1-1/2
LEL0295*S6A^A	5	3/16	15	6	L-2	L-2-1/2	L-1-1/2	L-1-1/2
LEL0350*S6A^A	6	3/16	15	7	L-2	L-3	L-2	L-2
LEL0380*S6A^A	6	3/16	15	8	L-2-1/2	L-3	L-2-1/2	L-2-1/2

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!

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
LEL0040*S6E^A	1	3/16	15	2	L-1/2	L-3/4	L-1/2	-
LEL0045*S6E^A	1	3/16	15	2	L-3/4	L-3/4	L-1/2	-
LEL0065*S6E^A	2	3/16	15	3	L-3/4	L-1	L-3/4	-
LEL0080*S6E^A	2	3/16	15	3	L-1	L-1-1/2	L-1	-
LEL0100*S6E^A	2	3/16	15	6	L-1-1/2	L-1-1/2	L-1	-
LEL0130*S6E^A	3	3/16	15	6	L-1-1/2	L-2	L-1-1/2	-
LEL0155*S6E^A	3	3/16	15	8	L-2	L-2-1/2	L-2	-
LEL0170*S6E^A	4	3/16	15	6	L-2	L-2-1/2	L-2	-
LEL0205*S6E^A	4	3/16	15	8	L-2-1/2	L-3	L-2	-
LEL0240*S6E^A	5	3/16	15	8	L-2-1/2	L-4	L-2-1/2	-
LEL0255*S6E^A	6	3/16	15	9	L-3	L-4	L-3	-
LEL0310*S6E^A	6	3/16	15	12	L-4	L-5	L-3	-
LEL0045*S4E^A	1	3/16	15	2	L-1/2	L-3/4	L-1/2	-
LEL0070*S4E^A	2	3/16	15	3	L-3/4	L-1	L-3/4	-
LEL0090*S4E^A	2	3/16	15	6	L-1	L-1-1/2	L-1	-
LEL0135*S4E^A	3	3/16	15	6	L-1-1/2	L-2	L-1-1/2	-
LEL0180*S4E^A	4	3/16	15	8	L-2	L-2-1/2	L-2	-
LEL0220*S4E^A	5	3/16	15	8	L-2	L-3	L-2	-
LEL0275*S4E^A	6	3/16	15	12	L-3	L-4	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
LEL0040*S6E^A	1	3/16	15	2	L-1/4	L-1/3	L-1/4	L-1/4
LEL0045*S6E^A	1	3/16	15	2	L-1/3	L-1/2	L-1/3	L-1/3
LEL0065*S6E^A	2	3/16	15	3	L-1/2	L-3/4	L-1/2	L-1/2
LEL0080*S6E^A	2	3/16	15	3	L-3/4	L-3/4	L-1/2	L-1/2
LEL0100*S6E^A	2	3/16	15	6	L-3/4	L-1	L-3/4	L-3/4
LEL0130*S6E^A	3	3/16	15	6	L-1	L-1-1/2	L-1	L-1
LEL0155*S6E^A	3	3/16	15	8	L-1	L-1-1/2	L-1	L-1
LEL0170*S6E^A	4	3/16	15	6	L-1-1/2	L-1-1/2	L-1-1/2	L-1-1/2
LEL0205*S6E^A	4	3/16	15	8	L-1-1/2	L-2	L-1-1/2	L-1-1/2
LEL0240*S6E^A	5	3/16	15	8	L-1-1/2	L-2	L-1-1/2	L-1-1/2
LEL0255*S6E^A	6	3/16	15	9	L-2	L-2-1/2	L-2	L-2
LEL0310*S6E^A	6	3/16	15	12	L-2	L-3	L-2	L-2
LEL0045*S4E^A	1	3/16	15	2	L-1/3	L-1/2	L-1/4	L-1/4
LEL0070*S4E^A	2	3/16	15	3	L-1/2	L-3/4	L-1/2	L-1/2
LEL0090*S4E^A	2	3/16	15	6	L-3/4	L-3/4	L-3/4	L-3/4
LEL0135*S4E^A	3	3/16	15	6	L-3/4	L-1	L-3/4	L-3/4
LEL0180*S4E^A	4	3/16	15	8	L-1	L-1-1/2	L-1	L-1
LEL0220*S4E^A	5	3/16	15	8	L-1-1/2	L-2	L-1-1/2	L-1-1/2
LEL0275*S4E^A	6	3/16	15	12	L-2	L-2-1/2	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!

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
LEL0040*S6H^A	1	3/16	15	2	L-1/2	L-3/4	L-1/2	-
LEL0045*S6H^A	1	3/16	15	2	L-3/4	L-3/4	L-1/2	-
LEL0065*S6H^A	2	3/16	15	3	L-3/4	L-1	L-3/4	-
LEL0080*S6H^A	2	3/16	15	3	L-1	L-1-1/2	L-1	-
LEL0100*S6H^A	2	3/16	15	6	L-1-1/2	L-1-1/2	L-1	-
LEL0130*S6H^A	3	3/16	15	6	L-1-1/2	L-2	L-1-1/2	-
LEL0155*S6H^A	3	3/16	15	8	L-2	L-2-1/2	L-2	-
LEL0170*S6H^A	4	3/16	15	6	L-2	L-2-1/2	L-2	-
LEL0205*S6H^A	4	3/16	15	8	L-2-1/2	L-3	L-2	-
LEL0240*S6H^A	5	3/16	15	8	L-2-1/2	L-4	L-2-1/2	-
LEL0255*S6H^A	6	3/16	15	9	L-3	L-4	L-3	-
LEL0310*S6H^A	6	3/16	15	12	L-4	L-5	L-3	-
LEL0045*S4H^A	1	3/16	15	2	L-1/2	L-3/4	L-1/2	-
LEL0070*S4H^A	2	3/16	15	3	L-3/4	L-1	L-3/4	-
LEL0090*S4H^A	2	3/16	15	6	L-1	L-1-1/2	L-1	-
LEL0135*S4H^A	3	3/16	15	6	L-1-1/2	L-2	L-1-1/2	-
LEL0180*S4H^A	4	3/16	15	8	L-2	L-2-1/2	L-2	-
LEL0220*S4H^A	5	3/16	15	8	L-2	L-3	L-2	-
LEL0275*S4H^A	6	3/16	15	12	L-3	L-4	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
LEL0040*S6H^A	1	3/16	15	2	L-1/4	L-1/3	L-1/4	L-1/4
LEL0045*S6H^A	1	3/16	15	2	L-1/3	L-1/2	L-1/3	L-1/3
LEL0065*S6H^A	2	3/16	15	3	L-1/2	L-3/4	L-1/2	L-1/2
LEL0080*S6H^A	2	3/16	15	3	L-3/4	L-3/4	L-1/2	L-1/2
LEL0100*S6H^A	2	3/16	15	6	L-3/4	L-1	L-3/4	L-3/4
LEL0130*S6H^A	3	3/16	15	6	L-1	L-1-1/2	L-1	L-1
LEL0155*S6H^A	3	3/16	15	8	L-1	L-1-1/2	L-1	L-1
LEL0170*S6H^A	4	3/16	15	6	L-1-1/2	L-1-1/2	L-1-1/2	L-1-1/2
LEL0205*S6H^A	4	3/16	15	8	L-1-1/2	L-2	L-1-1/2	L-1-1/2
LEL0240*S6H^A	5	3/16	15	8	L-1-1/2	L-2	L-1-1/2	L-1-1/2
LEL0255*S6H^A	6	3/16	15	9	L-2	L-2-1/2	L-2	L-2
LEL0310*S6H^A	6	3/16	15	12	L-2	L-3	L-2	L-2
LEL0045*S4H^A	1	3/16	15	2	L-1/3	L-1/2	L-1/4	L-1/4
LEL0070*S4H^A	2	3/16	15	3	L-1/2	L-3/4	L-1/2	L-1/2
LEL0090*S4H^A	2	3/16	15	6	L-3/4	L-3/4	L-3/4	L-3/4
LEL0135*S4H^A	3	3/16	15	6	L-3/4	L-1	L-3/4	L-3/4
LEL0180*S4H^A	4	3/16	15	8	L-1	L-1-1/2	L-1	L-1
LEL0220*S4H^A	5	3/16	15	8	L-1-1/2	L-2	L-1-1/2	L-1-1/2
LEL0275*S4H^A	6	3/16	15	12	L-2	L-2-1/2	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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