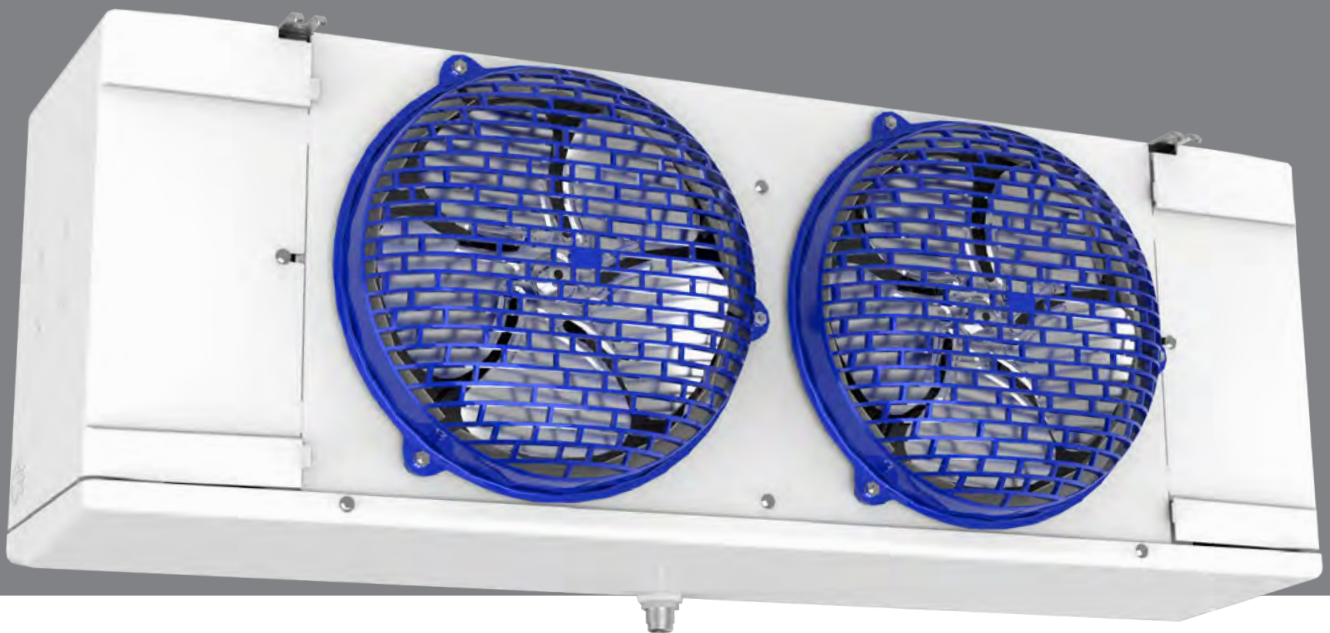




# LOW PROFILE UNIT COOLERS

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Technical Guide  
Now including DOE compliant models

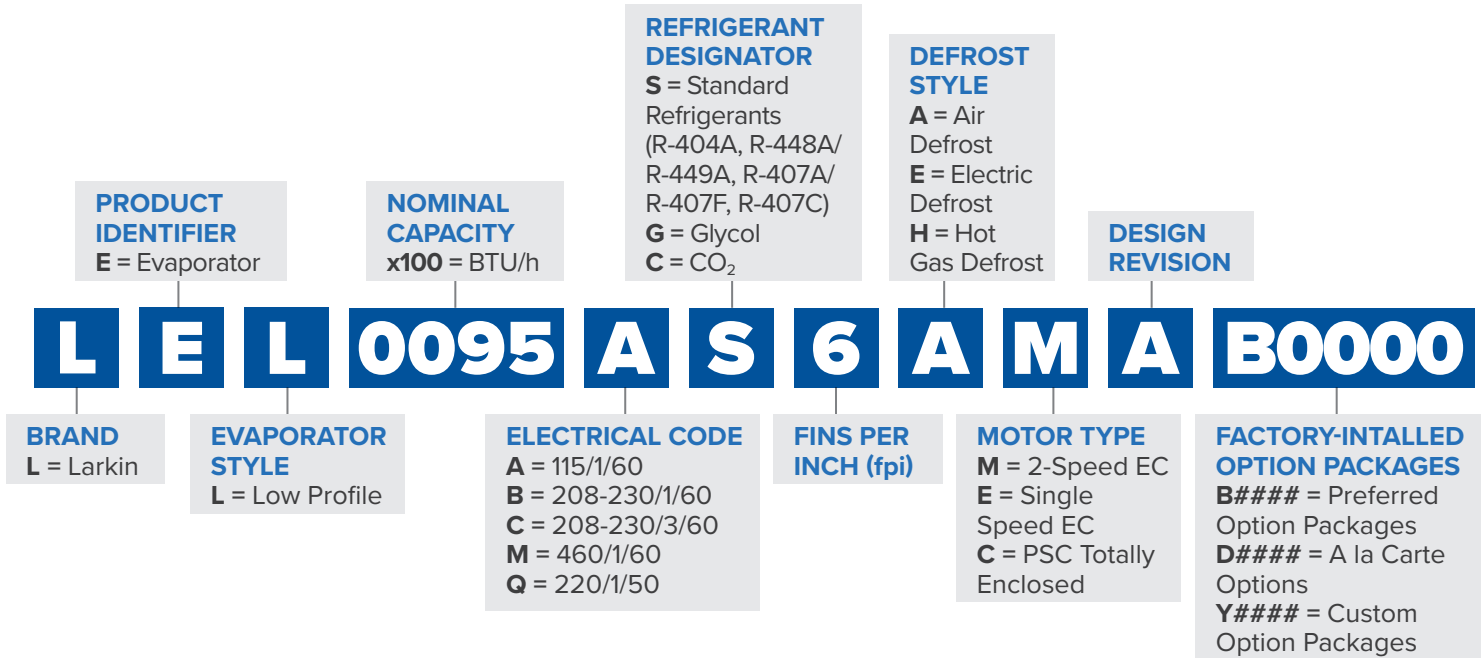


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# NOMENCLATURE



# PREFERRED OPTION PACKAGES

Package	Description (standard base model features + indicated options LELow)
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)
B0400	Mounted Components (TXV, Solenoid Valve, Nozzle - R-404A)
B0401	Mounted Components (TXV, Solenoid Valve, Nozzle - R-407A/R-407C/R-407F)
B0402	Mounted Components (TXV, Solenoid Valve, Nozzle - R-448A/R-449A)

## 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

## Selection Capacity: Air Defrost- 60 Hz

Please consult AWEF and Net Capacity table on page 29 to confirm DOE compliance per model

Model	R-404A		R-448A/R-449A		Fan Data		
	10°F TD 25°F SST 80% RH	6°C TD 4°C SST 80% RH	10°F TD 25°F SST 80% RH	6°C TD 4°C SST 80% RH	No. of Fans	CFM	m³H
	BTUH	Watts	BTUH	Watts			
LEL0045*S6A^A	2,950	850	4,500	1,300	1	653	1,109
LEL0060*S6A^A	4,550	1,300	5,850	1,700	1	610	1,036
LEL0095*S6A^A	6,150	1,800	9,450	2,750	2	1,305	2,217
LEL0105*S6A^A	6,350	1,850	10,150	2,950	2	1,305	2,217
LEL0125*S6A^A	9,350	2,700	12,450	3,600	2	1,220	2,073
LEL0155*S6A^A	9,650	2,800	15,400	4,450	3	1,958	3,327
LEL0190*S6A^A	14,150	4,100	18,600	5,400	3	1,830	3,109
LEL0250*S6A^A	18,350	5,300	24,600	7,150	4	2,440	4,146
LEL0295*S6A^A	22,100	6,400	29,150	8,450	5	3,050	5,182
LEL0350*S6A^A	25,500	7,400	34,950	10,150	6	3,660	6,218
LEL0380*S6A^A	27,500	7,950	37,900	11,000	6	3,660	6,218

Model	R-407A/R-407F		R-407C		Fan Data		
	10°F TD 25°F SST 80% RH	6°C TD 4°C SST 80% RH	10°F TD 25°F SST 80% RH	6°C TD 4°C SST 80% RH	No. of Fans	CFM	m³H
	BTUH	Watts	BTUH	Watts			
LEL0045*S6A^A	4,500	1,300	4,350	1,250	1	653	1,109
LEL0060*S6A^A	5,750	1,650	5,850	1,700	1	610	1,036
LEL0095*S6A^A	8,600	2,500	8,600	2,500	2	1,305	2,217
LEL0105*S6A^A	9,850	2,850	10,150	2,950	2	1,305	2,217
LEL0125*S6A^A	11,950	3,450	12,300	3,550	2	1,220	2,073
LEL0155*S6A^A	15,100	4,400	15,400	4,450	3	1,958	3,327
LEL0190*S6A^A	18,200	5,300	18,600	5,400	3	1,830	3,109
LEL0250*S6A^A	24,600	7,150	24,150	7,000	4	2,440	4,146
LEL0295*S6A^A	29,150	8,450	28,500	8,250	5	3,050	5,182
LEL0350*S6A^A	31,700	9,200	31,500	9,150	6	3,660	6,218
LEL0380*S6A^A	37,000	10,750	36,150	10,500	6	3,660	6,218

**Notes:**

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

# PERFORMANCE DATA

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

Please consult AWEF and Net Capacity table on page 29 to confirm DOE compliance per model

Model	R-404A		R-448A/R-449A		Fan Data		
	10°F TD 25°F SST 80% RH	6°C TD 4°C SST 80% RH	10°F TD 25°F SST 80% RH	6°C TD 4°C SST 80% RH	No. of Fans	CFM	m <sup>3</sup> H
LEL0045*S6A^A	2,700	800	4,150	1,200	1	588	999
LEL0060*S6A^A	4,200	1,200	5,400	1,550	1	549	933
LEL0095*S6A^A	5,650	1,650	8,700	2,500	2	1,175	1,995
LEL0105*S6A^A	5,850	1,700	9,350	2,700	2	1,175	1,995
LEL0125*S6A^A	8,600	2,500	11,450	3,300	2	1,098	1,866
LEL0155*S6A^A	8,900	2,600	14,150	4,100	3	1,762	2,994
LEL0190*S6A^A	13,000	3,750	17,100	4,950	3	1,647	2,798
LEL0250*S6A^A	16,900	4,900	22,650	6,550	4	2,196	3,731
LEL0295*S6A^A	20,350	5,900	26,800	7,750	5	2,745	4,664
LEL0350*S6A^A	23,450	6,800	32,150	9,300	6	3,294	5,597
LEL0380*S6A^A	25,300	7,350	34,850	10,100	6	3,294	5,597

Model	R-407A/R-407F		R-407C		Fan Data		
	10°F TD 25°F SST 80% RH	6°C TD 4°C SST 80% RH	10°F TD 25°F SST 80% RH	6°C TD 4°C SST 80% RH	No. of Fans	CFM	m <sup>3</sup> H
LEL0045*S6A^A	4,150	1,200	4,000	1,150	1	588	999
LEL0060*S6A^A	5,300	1,550	5,400	1,550	1	549	933
LEL0095*S6A^A	7,900	2,300	7,900	2,300	2	1,175	1,995
LEL0105*S6A^A	9,050	2,600	9,350	2,700	2	1,175	1,995
LEL0125*S6A^A	11,000	3,200	11,300	3,300	2	1,098	1,866
LEL0155*S6A^A	13,900	4,050	14,150	4,100	3	1,762	2,994
LEL0190*S6A^A	16,750	4,850	17,100	4,950	3	1,647	2,798
LEL0250*S6A^A	22,650	6,550	22,200	6,450	4	2,196	3,731
LEL0295*S6A^A	26,800	7,750	26,200	7,600	5	2,745	4,664
LEL0350*S6A^A	29,150	8,450	29,000	8,400	6	3,294	5,597
LEL0380*S6A^A	34,050	9,850	33,250	9,650	6	3,294	5,597

**Notes:**

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

† = 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 and Net Capacity table on page 29 to confirm DOE compliance per model

		2-Speed EC Motor (Totally Enclosed)							
		115/1/60				208-230/1/60			
Model	HP	Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD
LEL0045*S6A^A	1/20	0.9	55	1.1	20	0.5	55	0.6	15
LEL0060*S6A^A	1/20	0.9	55	1.1	20	0.5	55	0.6	15
LEL0095*S6A^A	1/20	1.8	110	2.0	20	1.0	110	1.1	15
LEL0105*S6A^A	1/20	1.8	110	2.0	20	1.0	110	1.1	15
LEL0125*S6A^A	1/20	1.8	110	2.0	20	1.0	110	1.1	15
LEL0155*S6A^A	1/20	2.7	165	2.9	20	1.5	165	1.6	15
LEL0190*S6A^A	1/20	2.7	165	2.9	20	1.5	165	1.6	15
LEL0250*S6A^A	1/20	3.6	220	3.8	20	2.0	220	2.1	15
LEL0295*S6A^A	1/20	4.5	275	4.7	20	2.5	275	2.6	15
LEL0350*S6A^A	1/20	5.4	330	5.6	20	3.0	330	3.1	15
LEL0380*S6A^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			
Model	HP	Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD
LEL0045*S6A^A	1/20	0.9	55	1.1	20	0.5	59	0.6	15
LEL0060*S6A^A	1/20	0.9	55	1.1	20	0.5	59	0.6	15
LEL0095*S6A^A	1/20	1.8	110	2.0	20	1.0	118	1.1	15
LEL0105*S6A^A	1/20	1.8	110	2.0	20	1.0	118	1.1	15
LEL0125*S6A^A	1/20	1.8	110	2.0	20	1.0	118	1.1	15
LEL0155*S6A^A	1/20	2.7	165	2.9	20	1.5	177	1.6	15
LEL0190*S6A^A	1/20	2.7	165	2.9	20	1.5	177	1.6	15
LEL0250*S6A^A	1/20	3.6	220	3.8	20	2.0	236	2.1	15
LEL0295*S6A^A	1/20	4.5	275	4.7	20	2.5	295	2.6	15
LEL0350*S6A^A	1/20	5.4	330	5.6	20	3.0	354	3.1	15
LEL0380*S6A^A	1/20	5.4	330	5.6	20	3.0	354	3.1	15

		PSC Motor (Totally Enclosed)											
		115/1/60				208-230/1/60				460/1/60			
Model	HP	Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD
LEL0045*S6A^A	1/20	1.0	82	1.3	20	0.5	91	0.6	15	0.4	117	0.5	15
LEL0060*S6A^A	1/20	1.0	82	1.3	20	0.5	91	0.6	15	0.4	117	0.5	15
LEL0095*S6A^A	1/20	2.0	164	2.3	20	1.0	182	1.1	15	0.8	234	0.9	15
LEL0105*S6A^A	1/20	2.0	164	2.3	20	1.0	182	1.1	15	0.8	234	0.9	15
LEL0125*S6A^A	1/20	2.0	164	2.3	20	1.0	182	1.1	15	0.8	234	0.9	15
LEL0155*S6A^A	1/20	3.0	246	3.3	20	1.5	273	1.6	15	1.2	351	1.3	15
LEL0190*S6A^A	1/20	3.0	246	3.3	20	1.5	273	1.6	15	1.2	351	1.3	15
LEL0250*S6A^A	1/20	4.0	328	4.3	20	2.0	364	2.1	15	1.6	468	1.7	15
LEL0295*S6A^A	1/20	5.0	410	5.3	20	2.5	455	2.6	15	2.0	585	2.1	15
LEL0350*S6A^A	1/20	6.0	492	6.3	20	3.0	546	3.1	15	2.4	702	2.5	15
LEL0380*S6A^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)



# SPECIFICATIONS

## Air Defrost- 50 Hz

Please consult AWEF and Net Capacity table on page 29 to confirm DOE compliance per model

Model	HP	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			
		Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD	Amps	Watts	MCA	MOPD
LEL0045*S6A^A	1/20	0.5	55	0.6	15	0.5	59	0.6	15	0.5	65	0.6	15
LEL0060*S6A^A	1/20	0.5	55	0.6	15	0.5	59	0.6	15	0.5	65	0.6	15
LEL0095*S6A^A	1/20	1.0	110	1.1	15	1.0	118	1.1	15	1.0	130	1.1	15
LEL0105*S6A^A	1/20	1.0	110	1.1	15	1.0	118	1.1	15	1.0	130	1.1	15
LEL0125*S6A^A	1/20	1.0	110	1.1	15	1.0	118	1.1	15	1.0	130	1.1	15
LEL0155*S6A^A	1/20	1.5	165	1.6	15	1.5	177	1.6	15	1.5	195	1.6	15
LEL0190*S6A^A	1/20	1.5	165	1.6	15	1.5	177	1.6	15	1.5	195	1.6	15
LEL0250*S6A^A	1/20	2.0	220	2.1	15	2.0	236	2.1	15	2.0	260	2.1	15
LEL0295*S6A^A	1/20	2.5	275	2.6	15	2.5	295	2.6	15	2.5	325	2.6	15
LEL0350*S6A^A	1/20	3.0	330	3.1	15	3.0	354	3.1	15	3.0	390	3.1	15
LEL0380*S6A^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)

# PERFORMANCE DATA

## Selection Capacity: Low Temperature Electric Defrost- 60 Hz

Please consult AWEF and Net Capacity table on pages 30 & 31 to confirm DOE compliance per model

Please refer to Table 1: Capacity Correction Factors (page 5) if using Saturated Suction Temperatures different than listed in the information LELow

FPI	Model	R-404A		R-448A/R-449A		Fan Data						
		10°F TD	-20°F SST	6°C TD	-29°F SST	10°F TD	-20°F SST	6°C TD	-29°F SST	No. of Fans	CFM	m³H
		<50% RH		<50% RH		<50% RH		<50% RH				
		BTUH	Watts	BTUH	Watts	BTUH	Watts					
6	LEL0040*S6E^A	3,250	950	4,000	1,150	1	685	1,164				
6	LEL0045*S6E^A	3,700	1,050	4,700	1,350	1	641	1,088				
6	LEL0080*S6E^A	6,250	1,800	8,150	2,350	2	1,371	2,329				
6	LEL0100*S6E^A	7,800	2,250	10,200	2,950	2	1,281	2,176				
6	LEL0130*S6E^A	10,000	2,900	12,850	3,750	3	2,056	3,493				
6	LEL0155*S6E^A	11,850	3,450	15,550	4,500	3	1,922	3,265				
6	LEL0170*S6E^A	13,350	3,850	16,750	4,850	4	2,741	4,658				
6	LEL0205*S6E^A	15,500	4,500	20,550	5,950	4	2,562	4,353				
6	LEL0240*S6E^A	18,350	5,300	24,200	7,000	5	3,203	5,441				
6	LEL0255*S6E^A	20,000	5,800	25,450	7,400	6	4,112	6,986				
6	LEL0310*S6E^A	23,400	6,800	30,900	8,950	6	3,843	6,529				
4	LEL0045*S4E^A	3,350	950	4,100	1,200	1	666	1,132				
4	LEL0070*S4E^A	5,650	1,650	7,050	2,050	2	1,425	2,422				
4	LEL0090*S4E^A	6,850	2,000	8,800	2,550	2	1,332	2,263				
4	LEL0135*S4E^A	10,250	2,950	13,250	3,850	3	1,998	3,395				
4	LEL0180*S4E^A	13,750	4,000	17,900	5,200	4	2,664	4,527				
4	LEL0220*S4E^A	16,650	4,850	21,700	6,300	5	3,331	5,659				
4	LEL0275*S4E^A	20,800	6,050	27,100	7,850	6	3,997	6,790				

FPI	Model	R-407A/R-407F		R-407C		Fan Data						
		10°F TD	-20°F SST	6°C TD	-29°F SST	10°F TD	-20°F SST	6°C TD	-29°F SST	No. of Fans	CFM	m³H
		<50% RH		<50% RH		<50% RH		<50% RH				
		BTUH	Watts	BTUH	Watts							
6	LEL0040*S6E^A	3,900	1,150	-	-	1	685	1,164				
6	LEL0045*S6E^A	4,500	1,300	-	-	1	641	1,088				
6	LEL0080*S6E^A	7,750	2,250	-	-	2	1,371	2,329				
6	LEL0100*S6E^A	9,900	2,850	-	-	2	1,281	2,176				
6	LEL0130*S6E^A	12,500	3,600	-	-	3	2,056	3,493				
6	LEL0155*S6E^A	15,000	4,350	-	-	3	1,922	3,265				
6	LEL0170*S6E^A	16,000	4,650	-	-	4	2,741	4,658				
6	LEL0205*S6E^A	19,600	5,700	-	-	4	2,562	4,353				
6	LEL0240*S6E^A	23,150	6,700	-	-	5	3,203	5,441				
6	LEL0255*S6E^A	24,250	7,050	-	-	6	4,112	6,986				
6	LEL0310*S6E^A	29,600	8,600	-	-	6	3,843	6,529				
4	LEL0045*S4E^A	4,050	1,150	-	-	1	666	1,132				
4	LEL0070*S4E^A	6,850	2,000	-	-	2	1,425	2,422				
4	LEL0090*S4E^A	8,600	2,500	-	-	2	1,332	2,263				
4	LEL0135*S4E^A	12,900	3,750	-	-	3	1,998	3,395				
4	LEL0180*S4E^A	17,350	5,050	-	-	4	2,664	4,527				
4	LEL0220*S4E^A	20,850	6,050	-	-	5	3,331	5,659				
4	LEL0275*S4E^A	26,250	7,600	-	-	6	3,997	6,790				

**Notes:**

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

# PERFORMANCE DATA

## Selection Capacity: Electric Defrost- 50 Hz (For PSC Motors) †

Please consult AWEF and Net Capacity table on pages 30 & 31 to confirm DOE compliance per model

Please refer to Table 1: Capacity Correction Factors (page 5) if using Saturated Suction Temperatures different than listed in the information LELow

FPI	Model	R-404A		R-448A/R-449A		Fan Data						
		10°F TD	-20°F SST	6°C TD	-29°F SST	10°F TD	-20°F SST	6°C TD	-29°F SST	No. of Fans	CFM	m³H
		<50% RH		<50% RH		<50% RH		<50% RH				
		BTUH	Watts	BTUH	Watts							
6	LEL0040*S6E^A	3,000	850	3,700	1,050	1	617	1,048				
6	LEL0045*S6E^A	3,400	1,000	4,300	1,250	1	576	979				
6	LEL0080*S6E^A	5,750	1,650	7,500	2,200	2	1,234	2,096				
6	LEL0100*S6E^A	7,200	2,100	9,400	2,750	2	1,153	1,959				
6	LEL0130*S6E^A	9,200	2,650	11,800	3,400	3	1,850	3,144				
6	LEL0155*S6E^A	10,900	3,150	14,300	4,150	3	1,729	2,938				
6	LEL0170*S6E^A	12,300	3,550	15,400	4,450	4	2,467	4,192				
6	LEL0205*S6E^A	14,250	4,150	18,900	5,500	4	2,306	3,918				
6	LEL0240*S6E^A	16,900	4,900	22,250	6,450	5	2,882	4,897				
6	LEL0255*S6E^A	18,400	5,350	23,400	6,800	6	3,701	6,288				
6	LEL0310*S6E^A	21,550	6,250	28,450	8,250	6	3,459	5,876				
4	LEL0045*S4E^A	3,100	900	3,750	1,100	1	600	1,019				
4	LEL0070*S4E^A	5,200	1,500	6,500	1,900	2	1,283	2,180				
4	LEL0090*S4E^A	6,300	1,850	8,100	2,350	2	1,199	2,037				
4	LEL0135*S4E^A	9,450	2,750	12,200	3,550	3	1,799	3,056				
4	LEL0180*S4E^A	12,650	3,650	16,450	4,750	4	2,398	4,074				
4	LEL0220*S4E^A	15,300	4,450	19,950	5,800	5	2,998	5,093				
4	LEL0275*S4E^A	19,150	5,550	24,950	7,250	6	3,597	6,111				

FPI	Model	R-407A/R-407F		R-407C		Fan Data						
		10°F TD	-20°F SST	6°C TD	-29°F SST	10°F TD	-20°F SST	6°C TD	-29°F SST	No. of Fans	CFM	m³H
		<50% RH		<50% RH		<50% RH		<50% RH				
		BTUH	Watts	BTUH	Watts							
6	LEL0040*S6E^A	3,600	1,050	---	---	1	617	1,048				
6	LEL0045*S6E^A	4,150	1,200	---	---	1	576	979				
6	LEL0080*S6E^A	7,150	2,050	---	---	2	1,234	2,096				
6	LEL0100*S6E^A	9,100	2,650	---	---	2	1,153	1,959				
6	LEL0130*S6E^A	11,500	3,350	---	---	3	1,850	3,144				
6	LEL0155*S6E^A	13,800	4,000	---	---	3	1,729	2,938				
6	LEL0170*S6E^A	14,700	4,250	---	---	4	2,467	4,192				
6	LEL0205*S6E^A	18,050	5,250	---	---	4	2,306	3,918				
6	LEL0240*S6E^A	21,300	6,200	---	---	5	2,882	4,897				
6	LEL0255*S6E^A	22,300	6,450	---	---	6	3,701	6,288				
6	LEL0310*S6E^A	27,250	7,900	---	---	6	3,459	5,876				
4	LEL0045*S4E^A	3,750	1,100	---	---	1	600	1,019				
4	LEL0070*S4E^A	6,300	1,850	---	---	2	1,283	2,180				
4	LEL0090*S4E^A	7,900	2,300	---	---	2	1,199	2,037				
4	LEL0135*S4E^A	11,850	3,450	---	---	3	1,799	3,056				
4	LEL0180*S4E^A	15,950	4,650	---	---	4	2,398	4,074				
4	LEL0220*S4E^A	19,200	5,550	---	---	5	2,998	5,093				
4	LEL0275*S4E^A	24,150	7,000	---	---	6	3,597	6,111				

**Notes:**

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

† = 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

## Selection Capacity: Medium Temperature Electric Defrost- 60 Hz

Please consult AWEF and Net Capacity table on pages 30 & 31 to confirm DOE compliance per model

Please refer to Table 1: Capacity Correction Factors (page 5) if using Saturated Suction Temperatures different than listed in the information LELow

FPI	Model	R-404A		R-448A/R-449A		Fan Data						
		10°F TD 80% RH	25°F SST 80% RH	6°C TD 80% RH	4°F SST 80% RH	10°F TD 80% RH	25°F SST 80% RH	6°C TD 80% RH	4°F SST 80% RH	No. of Fans	CFM	m <sup>3</sup> H
		BTUH	Watts	BTUH	Watts	BTUH	Watts					
6	LEL0040*S6E^A	3,250	950	4,650	1,350	1	685	1,164				
6	LEL0045*S6E^A	4,300	1,250	5,450	1,600	1	641	1,088				
6	LEL0080*S6E^A	7,000	2,050	9,450	2,750	2	1,371	2,329				
6	LEL0100*S6E^A	9,050	2,050	11,850	2,750	2	1,281	2,176				
6	LEL0130*S6E^A	10,650	2,600	14,900	3,450	3	2,056	3,493				
6	LEL0155*S6E^A	13,750	3,050	18,050	4,300	3	1,922	3,265				
6	LEL0170*S6E^A	15,500	4,000	19,450	5,250	4	2,741	4,658				
6	LEL0205*S6E^A	18,000	4,500	23,850	5,650	4	2,562	4,353				
6	LEL0240*S6E^A	21,300	5,200	28,050	6,900	5	3,203	5,441				
6	LEL0255*S6E^A	23,200	6,200	29,500	8,150	6	4,112	6,986				
6	LEL0310*S6E^A	27,150	6,750	35,850	8,550	6	3,843	6,529				
4	LEL0045*S4E^A	3,900	7,850	4,750	10,400	1	666	1,132				
4	LEL0070*S4E^A	6,550	1,150	8,200	1,400	2	1,425	2,422				
4	LEL0090*S4E^A	7,950	1,900	10,200	2,400	2	1,332	2,263				
4	LEL0135*S4E^A	11,900	2,300	15,350	2,950	3	1,998	3,395				
4	LEL0180*S4E^A	15,950	3,450	20,750	4,450	4	2,664	4,527				
4	LEL0220*S4E^A	19,300	4,650	25,150	6,000	5	3,331	5,659				
4	LEL0275*S4E^A	24,150	5,600	31,450	7,300	6	3,997	6,790				

FPI	Model	R-407A/R-407F		R-407C		Fan Data						
		10°F TD 80% RH	25°F SST 80% RH	6°C TD 80% RH	4°F SST 80% RH	10°F TD 80% RH	25°F SST 80% RH	6°C TD 80% RH	4°F SST 80% RH	No. of Fans	CFM	m <sup>3</sup> H
		BTUH	Watts	BTUH	Watts	BTUH	Watts					
6	LEL0040*S6E^A	4,500	1,300	-	-	1	685	1,164				
6	LEL0045*S6E^A	5,200	1,500	-	-	1	641	1,088				
6	LEL0080*S6E^A	9,000	2,650	-	-	2	1,371	2,329				
6	LEL0100*S6E^A	11,500	2,650	-	-	2	1,281	2,176				
6	LEL0130*S6E^A	14,500	3,350	-	-	3	2,056	3,493				
6	LEL0155*S6E^A	17,400	4,200	-	-	3	1,922	3,265				
6	LEL0170*S6E^A	18,550	5,050	-	-	4	2,741	4,658				
6	LEL0205*S6E^A	22,750	5,400	-	-	4	2,562	4,353				
6	LEL0240*S6E^A	26,850	6,600	-	-	5	3,203	5,441				
6	LEL0255*S6E^A	28,150	7,800	-	-	6	4,112	6,986				
6	LEL0310*S6E^A	34,350	8,150	-	-	6	3,843	6,529				
4	LEL0045*S4E^A	4,700	9,950	-	-	1	666	1,132				
4	LEL0070*S4E^A	7,950	1,350	-	-	2	1,425	2,422				
4	LEL0090*S4E^A	10,000	2,300	-	-	2	1,332	2,263				
4	LEL0135*S4E^A	14,950	2,900	-	-	3	1,998	3,395				
4	LEL0180*S4E^A	20,150	4,350	-	-	4	2,664	4,527				
4	LEL0220*S4E^A	24,200	5,850	-	-	5	3,331	5,659				
4	LEL0275*S4E^A	30,450	7,000	-	-	6	3,997	6,790				

**Notes:**

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

# SPECIFICATIONS

## Electric Defrost- 60 Hz

Please consult AWEF and Net Capacity table on pages 30 & 31 to confirm DOE compliance per model

FPI	Model	HP	2-Speed EC Motor (Totally Enclosed)				Defrost Heaters			
			208-230/1/60				Watts	230/1/60	230/3/60	460/1/60
			Amps	Watts	MCA	MOPD				
6	LEL0040*S6E^A	1/20	0.5	55	0.6	15	1,050	4.6	2.8	2.3
6	LEL0045*S6E^A	1/20	0.5	55	0.6	15	1,050	4.6	2.8	2.3
6	LEL0080*S6E^A	1/20	1.0	110	1.1	15	2,100	9.1	5.7	4.6
6	LEL0100*S6E^A	1/20	1.0	110	1.1	15	2,100	9.1	5.7	4.6
6	LEL0130*S6E^A	1/20	1.5	165	1.6	15	3,150	13.7	8.5	6.8
6	LEL0155*S6E^A	1/20	1.5	165	1.6	15	3,150	13.7	8.5	6.8
6	LEL0170*S6E^A	1/20	2.0	220	2.1	15	4,200	18.3	11.4	9.1
6	LEL0205*S6E^A	1/20	2.0	220	2.1	15	4,200	18.3	11.4	9.1
6	LEL0240*S6E^A	1/20	2.5	275	2.6	15	5,250	22.8	14.2	11.4
6	LEL0255*S6E^A	1/20	3.0	330	3.1	15	6,300	27.4	17.1	13.7
6	LEL0310*S6E^A	1/20	3.0	330	3.1	15	6,300	27.4	17.1	13.7
4	LEL0045*S4E^A	1/20	0.5	55	0.6	15	1,050	4.6	2.8	2.3
4	LEL0070*S4E^A	1/20	1.0	110	1.1	15	2,100	9.1	5.7	4.6
4	LEL0090*S4E^A	1/20	1.0	110	1.1	15	2,100	9.1	5.7	4.6
4	LEL0135*S4E^A	1/20	1.5	165	1.6	15	3,150	13.7	8.5	6.8
4	LEL0180*S4E^A	1/20	2.0	220	2.1	15	4,200	18.3	11.4	9.1
4	LEL0220*S4E^A	1/20	2.5	275	2.6	15	5,250	22.8	14.2	11.4
4	LEL0275*S4E^A	1/20	3.0	330	3.1	15	6,300	27.4	17.1	13.7

FPI	Model	HP	1-Speed EC Motor (Totally Enclosed)				Defrost Heaters			
			208-230/1/60				Watts	230/1/60	230/3/60	460/1/60
			Amps	Watts	MCA	MOPD				
6	LEL0040*S6E^A	1/20	0.5	59	0.6	15	1,050	4.6	2.8	2.3
6	LEL0045*S6E^A	1/20	0.5	59	0.6	15	1,050	4.6	2.8	2.3
6	LEL0080*S6E^A	1/20	1.0	118	1.1	15	2,100	9.1	5.7	4.6
6	LEL0100*S6E^A	1/20	1.0	118	1.1	15	2,100	9.1	5.7	4.6
6	LEL0130*S6E^A	1/20	1.5	177	1.6	15	3,150	13.7	8.5	6.8
6	LEL0155*S6E^A	1/20	1.5	177	1.6	15	3,150	13.7	8.5	6.8
6	LEL0170*S6E^A	1/20	2.0	236	2.1	15	4,200	18.3	11.4	9.1
6	LEL0205*S6E^A	1/20	2.0	236	2.1	15	4,200	18.3	11.4	9.1
6	LEL0240*S6E^A	1/20	2.5	295	2.6	15	5,250	22.8	14.2	11.4
6	LEL0255*S6E^A	1/20	3.0	354	3.1	15	6,300	27.4	17.1	13.7
6	LEL0310*S6E^A	1/20	3.0	354	3.1	15	6,300	27.4	17.1	13.7
4	LEL0045*S4E^A	1/20	0.5	59	0.6	15	1,050	4.6	2.8	2.3
4	LEL0070*S4E^A	1/20	1.0	118	1.1	15	2,100	9.1	5.7	4.6
4	LEL0090*S4E^A	1/20	1.0	118	1.1	15	2,100	9.1	5.7	4.6
4	LEL0135*S4E^A	1/20	1.5	177	1.6	15	3,150	13.7	8.5	6.8
4	LEL0180*S4E^A	1/20	2.0	236	2.1	15	4,200	18.3	11.4	9.1
4	LEL0220*S4E^A	1/20	2.5	295	2.6	15	5,250	22.8	14.2	11.4
4	LEL0275*S4E^A	1/20	3.0	354	3.1	15	6,300	27.4	17.1	13.7

**Notes:**

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

# SPECIFICATIONS

## Electric Defrost- 60 Hz

Please consult AWEF and Net Capacity table on pages 30 & 31 to confirm DOE compliance per model

FPI	Model	HP	PSC Motor (Totally Enclosed)				Defrost Heaters			
			208-230/1/60				Watts	230/1/60	230/3/60	460/1/60
			Amps	Watts	MCA	MOPD		Total Amps		
6	LEL0040*S6E^A	1/20	0.5	91	0.6	15	1,050	4.6	2.8	2.3
6	LEL0045*S6E^A	1/20	0.5	91	0.6	15	1,050	4.6	2.8	2.3
6	LEL0080*S6E^A	1/20	1.0	182	1.1	15	2,100	9.1	5.7	4.6
6	LEL0100*S6E^A	1/20	1.0	182	1.1	15	2,100	9.1	5.7	4.6
6	LEL0130*S6E^A	1/20	1.5	273	1.6	15	3,150	13.7	8.5	6.8
6	LEL0155*S6E^A	1/20	1.5	273	1.6	15	3,150	13.7	8.5	6.8
6	LEL0170*S6E^A	1/20	2.0	364	2.1	15	4,200	18.3	11.4	9.1
6	LEL0205*S6E^A	1/20	2.0	364	2.1	15	4,200	18.3	11.4	9.1
6	LEL0240*S6E^A	1/20	2.5	455	2.6	15	5,250	22.8	14.2	11.4
6	LEL0255*S6E^A	1/20	3.0	546	3.1	15	6,300	27.4	17.1	13.7
6	LEL0310*S6E^A	1/20	3.0	546	3.1	15	6,300	27.4	17.1	13.7
4	LEL0045*S4E^A	1/20	0.5	91	0.6	15	1,050	4.6	2.8	2.3
4	LEL0070*S4E^A	1/20	1.0	182	1.1	15	2,100	9.1	5.7	4.6
4	LEL0090*S4E^A	1/20	1.0	182	1.1	15	2,100	9.1	5.7	4.6
4	LEL0135*S4E^A	1/20	1.5	273	1.6	15	3,150	13.7	8.5	6.8
4	LEL0180*S4E^A	1/20	2.0	364	2.1	15	4,200	18.3	11.4	9.1
4	LEL0220*S4E^A	1/20	2.5	455	2.6	15	5,250	22.8	14.2	11.4
4	LEL0275*S4E^A	1/20	3.0	546	3.1	15	6,300	27.4	17.1	13.7

FPI	Model	HP	PSC Motor (Totally Enclosed)				Defrost Heaters			
			460/1/60				Watts	230/1/60	230/3/60	460/1/60
			Amps	Watts	MCA	MOPD		Total Amps		
6	LEL0040*S6E^A	1/20	0.4	117	0.5	15	1,050	4.6	2.8	2.3
6	LEL0045*S6E^A	1/20	0.4	117	0.5	15	1,050	4.6	2.8	2.3
6	LEL0080*S6E^A	1/20	0.8	234	0.9	15	2,100	9.1	5.7	4.6
6	LEL0100*S6E^A	1/20	0.8	234	0.9	15	2,100	9.1	5.7	4.6
6	LEL0130*S6E^A	1/20	1.2	351	1.3	15	3,150	13.7	8.5	6.8
6	LEL0155*S6E^A	1/20	1.2	351	1.3	15	3,150	13.7	8.5	6.8
6	LEL0170*S6E^A	1/20	1.6	468	1.7	15	4,200	18.3	11.4	9.1
6	LEL0205*S6E^A	1/20	1.6	468	1.7	15	4,200	18.3	11.4	9.1
6	LEL0240*S6E^A	1/20	2.0	585	2.1	15	5,250	22.8	14.2	11.4
6	LEL0255*S6E^A	1/20	2.4	702	2.5	15	6,300	27.4	17.1	13.7
6	LEL0310*S6E^A	1/20	2.4	702	2.5	15	6,300	27.4	17.1	13.7
4	LEL0045*S4E^A	1/20	0.4	117	0.5	15	1,050	4.6	2.8	2.3
4	LEL0070*S4E^A	1/20	0.8	234	0.9	15	2,100	9.1	5.7	4.6
4	LEL0090*S4E^A	1/20	0.8	234	0.9	15	2,100	9.1	5.7	4.6
4	LEL0135*S4E^A	1/20	1.2	351	1.3	15	3,150	13.7	8.5	6.8
4	LEL0180*S4E^A	1/20	1.6	468	1.7	15	4,200	18.3	11.4	9.1
4	LEL0220*S4E^A	1/20	2.0	585	2.1	15	5,250	22.8	14.2	11.4
4	LEL0275*S4E^A	1/20	2.4	702	2.5	15	6,300	27.4	17.1	13.7

**Notes:**

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

# SPECIFICATIONS

## Electric Defrost- 50 Hz

Please consult AWEF and Net Capacity table on pages 30 & 31 to confirm DOE compliance per model

FPI	Model	HP	2-Speed EC Motor (Totally Enclosed)				Defrost Heaters	
			220/1/50				Watts	220/1/50 Total Amps
			Amps	Watts	MCA	MOPD		
6	LEL0040*S6E^A	1/20	0.5	55	0.6	15	960	4.4
6	LEL0045*S6E^A	1/20	0.5	55	0.6	15	960	4.4
6	LEL0080*S6E^A	1/20	1.0	110	1.1	15	1,920	8.7
6	LEL0100*S6E^A	1/20	1.0	110	1.1	15	1,920	8.7
6	LEL0130*S6E^A	1/20	1.5	165	1.6	15	2,880	13.1
6	LEL0155*S6E^A	1/20	1.5	165	1.6	15	2,880	13.1
6	LEL0170*S6E^A	1/20	2.0	220	2.1	15	3,845	17.5
6	LEL0205*S6E^A	1/20	2.0	220	2.1	15	3,845	17.5
6	LEL0240*S6E^A	1/20	2.5	275	2.6	15	4,805	21.8
6	LEL0255*S6E^A	1/20	3.0	330	3.1	15	5,765	26.2
6	LEL0310*S6E^A	1/20	3.0	330	3.1	15	5,765	26.2
4	LEL0045*S4E^A	1/20	0.5	55	0.6	15	960	4.4
4	LEL0070*S4E^A	1/20	1.0	110	1.1	15	1,920	8.7
4	LEL0090*S4E^A	1/20	1.0	110	1.1	15	1,920	8.7
4	LEL0135*S4E^A	1/20	1.5	165	1.6	15	2,880	13.1
4	LEL0180*S4E^A	1/20	2.0	220	2.1	15	3,845	17.5
4	LEL0220*S4E^A	1/20	2.5	275	2.6	15	4,805	21.8
4	LEL0275*S4E^A	1/20	3.0	330	3.1	15	5,765	26.2

FPI	Model	HP	1-Speed EC Motor (Totally Enclosed)				Defrost Heaters	
			220/1/50				Watts	220/1/50 Total Amps
			Amps	Watts	MCA	MOPD		
6	LEL0040*S6E^A	1/20	0.5	59	0.6	15	960	4.4
6	LEL0045*S6E^A	1/20	0.5	59	0.6	15	960	4.4
6	LEL0080*S6E^A	1/20	1.0	118	1.1	15	1,920	8.7
6	LEL0100*S6E^A	1/20	1.0	118	1.1	15	1,920	8.7
6	LEL0130*S6E^A	1/20	1.5	177	1.6	15	2,880	13.1
6	LEL0155*S6E^A	1/20	1.5	177	1.6	15	2,880	13.1
6	LEL0170*S6E^A	1/20	2.0	236	2.1	15	3,845	17.5
6	LEL0205*S6E^A	1/20	2.0	236	2.1	15	3,845	17.5
6	LEL0240*S6E^A	1/20	2.5	295	2.6	15	4,805	21.8
6	LEL0255*S6E^A	1/20	3.0	354	3.1	15	5,765	26.2
6	LEL0310*S6E^A	1/20	3.0	354	3.1	15	5,765	26.2
4	LEL0045*S4E^A	1/20	0.5	59	0.6	15	960	4.4
4	LEL0070*S4E^A	1/20	1.0	118	1.1	15	1,920	8.7
4	LEL0090*S4E^A	1/20	1.0	118	1.1	15	1,920	8.7
4	LEL0135*S4E^A	1/20	1.5	177	1.6	15	2,880	13.1
4	LEL0180*S4E^A	1/20	2.0	236	2.1	15	3,845	17.5
4	LEL0220*S4E^A	1/20	2.5	295	2.6	15	4,805	21.8
4	LEL0275*S4E^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)

# SPECIFICATIONS

## Electric Defrost- 50 Hz

Please consult AWEF and Net Capacity table on pages 30 & 31 to confirm DOE compliance per model

FPI	Model	HP	PSC Motor (Totally Enclosed)				Defrost Heaters	
			220/1/50				Watts	220/1/50 Total Amps
			Amps	Watts	MCA	MOPD		
6	LEL0040*S6E^A	1/20	0.5	65	0.6	15	960	4.4
6	LEL0045*S6E^A	1/20	0.5	65	0.6	15	960	4.4
6	LEL0080*S6E^A	1/20	1.0	130	1.1	15	1,920	8.7
6	LEL0100*S6E^A	1/20	1.0	130	1.1	15	1,920	8.7
6	LEL0130*S6E^A	1/20	1.5	195	1.6	15	2,880	13.1
6	LEL0155*S6E^A	1/20	1.5	195	1.6	15	2,880	13.1
6	LEL0170*S6E^A	1/20	2.0	260	2.1	15	3,845	17.5
6	LEL0205*S6E^A	1/20	2.0	260	2.1	15	3,845	17.5
6	LEL0240*S6E^A	1/20	2.5	325	2.6	15	4,805	21.8
6	LEL0255*S6E^A	1/20	3.0	390	3.1	15	5,765	26.2
6	LEL0310*S6E^A	1/20	3.0	390	3.1	15	5,765	26.2
4	LEL0045*S4E^A	1/20	0.5	65	0.6	15	960	4.4
4	LEL0070*S4E^A	1/20	1.0	130	1.1	15	1,920	8.7
4	LEL0090*S4E^A	1/20	1.0	130	1.1	15	1,920	8.7
4	LEL0135*S4E^A	1/20	1.5	195	1.6	15	2,880	13.1
4	LEL0180*S4E^A	1/20	2.0	260	2.1	15	3,845	17.5
4	LEL0220*S4E^A	1/20	2.5	325	2.6	15	4,805	21.8
4	LEL0275*S4E^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)



# PERFORMANCE DATA

## Selection Capacity: Low Temperature Hot Gas Defrost- 60 Hz

Please consult AWEF and Net Capacity table on pages 32 & 33 to confirm DOE compliance per model

Please refer to Table 1: Capacity Correction Factors (page 5) if using Saturated Suction Temperatures different than listed in the information LELow

FPI	Model	R-404A		R-448A/R-449A		Fan Data			
		10°F TD	-20°F SST	6°C TD	-29°F SST	10°F TD	-20°F SST	6°C TD	-29°F SST
		<50% RH		<50% RH		<50% RH		<50% RH	
		BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m³H	
6	LEL0040*S6H^A	3,250	950	4,000	1,150	1	685	1,164	
6	LEL0045*S6H^A	3,700	1,050	4,700	1,350	1	641	1,088	
6	LEL0080*S6H^A	6,250	1,800	8,150	2,350	2	1,371	2,329	
6	LEL0100*S6H^A	7,800	2,250	10,200	2,950	2	1,281	2,176	
6	LEL0130*S6H^A	10,000	2,900	12,850	3,750	3	2,056	3,493	
6	LEL0155*S6H^A	11,850	3,450	15,550	4,500	3	1,922	3,265	
6	LEL0170*S6H^A	13,350	3,850	16,750	4,850	4	2,741	4,658	
6	LEL0205*S6H^A	15,500	4,500	20,550	5,950	4	2,562	4,353	
6	LEL0240*S6H^A	18,350	5,300	24,200	7,000	5	3,203	5,441	
6	LEL0255*S6H^A	20,000	5,800	25,450	7,400	6	4,112	6,986	
6	LEL0310*S6H^A	23,400	6,800	30,900	8,950	6	3,843	6,529	
4	LEL0045*S4H^A	3,350	950	4,100	1,200	1	666	1,132	
4	LEL0070*S4H^A	5,650	1,650	7,050	2,050	2	1,425	2,422	
4	LEL0090*S4H^A	6,850	2,000	8,800	2,550	2	1,332	2,263	
4	LEL0135*S4H^A	10,250	2,950	13,250	3,850	3	1,998	3,395	
4	LEL0180*S4H^A	13,750	4,000	17,900	5,200	4	2,664	4,527	
4	LEL0220*S4H^A	16,650	4,850	21,700	6,300	5	3,331	5,659	
4	LEL0275*S4H^A	20,800	6,050	27,100	7,850	6	3,997	6,790	

FPI	Model	R-407A/R-407F		R-407C		Fan Data			
		10°F TD	-20°F SST	6°C TD	-29°F SST	10°F TD	-20°F SST	6°C TD	-29°F SST
		<50% RH		<50% RH		<50% RH		<50% RH	
		BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m³H	
6	LEL0040*S6H^A	3,900	1,150	-	-	1	685	1,164	
6	LEL0045*S6H^A	4,500	1,300	-	-	1	641	1,088	
6	LEL0080*S6H^A	7,750	2,250	-	-	2	1,371	2,329	
6	LEL0100*S6H^A	9,900	2,850	-	-	2	1,281	2,176	
6	LEL0130*S6H^A	12,500	3,600	-	-	3	2,056	3,493	
6	LEL0155*S6H^A	15,000	4,350	-	-	3	1,922	3,265	
6	LEL0170*S6H^A	16,000	4,650	-	-	4	2,741	4,658	
6	LEL0205*S6H^A	19,600	5,700	-	-	4	2,562	4,353	
6	LEL0240*S6H^A	23,150	6,700	-	-	5	3,203	5,441	
6	LEL0255*S6H^A	24,250	7,050	-	-	6	4,112	6,986	
6	LEL0310*S6H^A	29,600	8,600	-	-	6	3,843	6,529	
4	LEL0045*S4H^A	4,050	1,150	-	-	1	666	1,132	
4	LEL0070*S4H^A	6,850	2,000	-	-	2	1,425	2,422	
4	LEL0090*S4H^A	8,600	2,500	-	-	2	1,332	2,263	
4	LEL0135*S4H^A	12,900	3,750	-	-	3	1,998	3,395	
4	LEL0180*S4H^A	17,350	5,050	-	-	4	2,664	4,527	
4	LEL0220*S4H^A	20,850	6,050	-	-	5	3,331	5,659	
4	LEL0275*S4H^A	26,250	7,600	-	-	6	3,997	6,790	

**Notes:**

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

# PERFORMANCE DATA

## Selection Capacity: Hot Gas Defrost- 50 Hz (For PSC Motors) †

Please consult AWEF and Net Capacity table on pages 32 & 33 to confirm DOE compliance per model

Please refer to Table 1: Capacity Correction Factors (page 5) if using Saturated Suction Temperatures different than listed in the information LELow

FPI	Model	R-404A		R-448A/R-449A		Fan Data			
		10°F TD	-20°F SST	6°C TD	-29°F SST	10°F TD	-20°F SST	6°C TD	-29°F SST
		<50% RH		<50% RH		<50% RH		<50% RH	
		BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m³H	
6	LEL0040*S6H^A	3,000	850	3,700	1,050	1	617	1,048	
6	LEL0045*S6H^A	3,400	1,000	4,300	1,250	1	576	979	
6	LEL0080*S6H^A	5,750	1,650	7,500	2,200	2	1,234	2,096	
6	LEL0100*S6H^A	7,200	2,100	9,400	2,750	2	1,153	1,959	
6	LEL0130*S6H^A	9,200	2,650	11,800	3,400	3	1,850	3,144	
6	LEL0155*S6H^A	10,900	3,150	14,300	4,150	3	1,729	2,938	
6	LEL0170*S6H^A	12,300	3,550	15,400	4,450	4	2,467	4,192	
6	LEL0205*S6H^A	14,250	4,150	18,900	5,500	4	2,306	3,918	
6	LEL0240*S6H^A	16,900	4,900	22,250	6,450	5	2,882	4,897	
6	LEL0255*S6H^A	18,400	5,350	23,400	6,800	6	3,701	6,288	
6	LEL0310*S6H^A	21,550	6,250	28,450	8,250	6	3,459	5,876	
4	LEL0045*S4H^A	3,100	900	3,750	1,100	1	600	1,019	
4	LEL0070*S4H^A	5,200	1,500	6,500	1,900	2	1,283	2,180	
4	LEL0090*S4H^A	6,300	1,850	8,100	2,350	2	1,199	2,037	
4	LEL0135*S4H^A	9,450	2,750	12,200	3,550	3	1,799	3,056	
4	LEL0180*S4H^A	12,650	3,650	16,450	4,750	4	2,398	4,074	
4	LEL0220*S4H^A	15,300	4,450	19,950	5,800	5	2,998	5,093	
4	LEL0275*S4H^A	19,150	5,550	24,950	7,250	6	3,597	6,111	

FPI	Model	R-407A/R-407F		R-407C		Fan Data			
		10°F TD	-20°F SST	6°C TD	-29°F SST	10°F TD	-20°F SST	6°C TD	-29°F SST
		<50% RH		<50% RH		<50% RH		<50% RH	
		BTUH	Watts	BTUH	Watts	No. of Fans	CFM	m³H	
6	LEL0040*S6H^A	3,600	1,050	---	---	1	617	1,048	
6	LEL0045*S6H^A	4,150	1,200	---	---	1	576	979	
6	LEL0080*S6H^A	7,150	2,050	---	---	2	1,234	2,096	
6	LEL0100*S6H^A	9,100	2,650	---	---	2	1,153	1,959	
6	LEL0130*S6H^A	11,500	3,350	---	---	3	1,850	3,144	
6	LEL0155*S6H^A	13,800	4,000	---	---	3	1,729	2,938	
6	LEL0170*S6H^A	14,700	4,250	---	---	4	2,467	4,192	
6	LEL0205*S6H^A	18,050	5,250	---	---	4	2,306	3,918	
6	LEL0240*S6H^A	21,300	6,200	---	---	5	2,882	4,897	
6	LEL0255*S6H^A	22,300	6,450	---	---	6	3,701	6,288	
6	LEL0310*S6H^A	27,250	7,900	---	---	6	3,459	5,876	
4	LEL0045*S4H^A	3,750	1,100	---	---	1	600	1,019	
4	LEL0070*S4H^A	6,300	1,850	---	---	2	1,283	2,180	
4	LEL0090*S4H^A	7,900	2,300	---	---	2	1,199	2,037	
4	LEL0135*S4H^A	11,850	3,450	---	---	3	1,799	3,056	
4	LEL0180*S4H^A	15,950	4,650	---	---	4	2,398	4,074	
4	LEL0220*S4H^A	19,200	5,550	---	---	5	2,998	5,093	
4	LEL0275*S4H^A	24,150	7,000	---	---	6	3,597	6,111	

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

## Selection Capacity: Medium Temperature Hot Gas Defrost- 60 Hz

Please consult AWEF and Net Capacity table on pages 32 & 33 to confirm DOE compliance per model

Please refer to Table 1: Capacity Correction Factors (page 5) if using Saturated Suction Temperatures different than listed in the information LELow

FPI	Model	R-404A				R-448A/R-449A				Fan Data		
		10°F TD	25°F SST	6°C TD	4°F SST	10°F TD	25°F SST	6°C TD	4°F SST	No. of Fans	CFM	m³H
		80% RH		80% RH		80% RH		80% RH				
		BTUH	Watts	BTUH	Watts	BTUH	Watts					
6	LEL0040*S6HMA	3,250	950	4,650	1,350	1	685	1,164				
6	LEL0045*S6HMA	4,300	1,250	5,450	1,600	1	641	1,088				
6	LEL0080*S6HMA	7,000	2,050	9,450	2,750	2	1,371	2,329				
6	LEL0100*S6HMA	9,050	2,050	11,850	2,750	2	1,281	2,176				
6	LEL0130*S6HMA	10,650	2,600	14,900	3,450	3	2,056	3,493				
6	LEL0155*S6HMA	13,750	3,050	18,050	4,300	3	1,922	3,265				
6	LEL0170*S6HMA	15,500	4,000	19,450	5,250	4	2,741	4,658				
6	LEL0205*S6HMA	18,000	4,500	23,850	5,650	4	2,562	4,353				
6	LEL0240*S6HMA	21,300	5,200	28,050	6,900	5	3,203	5,441				
6	LEL0255*S6HMA	23,200	6,200	29,500	8,150	6	4,112	6,986				
6	LEL0310*S6HMA	27,150	6,750	35,850	8,550	6	3,843	6,529				
4	LEL0045*S4HMA	3,900	7,850	4,750	10,400	1	666	1,132				
4	LEL0070*S4HMA	6,550	1,150	8,200	1,400	2	1,425	2,422				
4	LEL0090*S4HMA	7,950	1,900	10,200	2,400	2	1,332	2,263				
4	LEL0135*S4HMA	11,900	2,300	15,350	2,950	3	1,998	3,395				
4	LEL0180*S4HMA	15,950	3,450	20,750	4,450	4	2,664	4,527				
4	LEL0220*S4HMA	19,300	4,650	25,150	6,000	5	3,331	5,659				
4	LEL0275*S4HMA	24,150	5,600	31,450	7,300	6	3,997	6,790				

FPI	Model	R-407A/R-407F				R-407C				Fan Data		
		10°F TD	25°F SST	6°C TD	4°F SST	10°F TD	25°F SST	6°C TD	4°F SST	No. of Fans	CFM	m³H
		80% RH		80% RH		80% RH		80% RH				
		BTUH	Watts	BTUH	Watts	BTUH	Watts					
6	LEL0040*S6HMA	4,500	1,300	-	-	1	685	1,164				
6	LEL0045*S6HMA	5,200	1,500	-	-	1	641	1,088				
6	LEL0080*S6HMA	9,000	2,650	-	-	2	1,371	2,329				
6	LEL0100*S6HMA	11,500	2,650	-	-	2	1,281	2,176				
6	LEL0130*S6HMA	14,500	3,350	-	-	3	2,056	3,493				
6	LEL0155*S6HMA	17,400	4,200	-	-	3	1,922	3,265				
6	LEL0170*S6HMA	18,550	5,050	-	-	4	2,741	4,658				
6	LEL0205*S6HMA	22,750	5,400	-	-	4	2,562	4,353				
6	LEL0240*S6HMA	26,850	6,600	-	-	5	3,203	5,441				
6	LEL0255*S6HMA	28,150	7,800	-	-	6	4,112	6,986				
6	LEL0310*S6HMA	34,350	8,150	-	-	6	3,843	6,529				
4	LEL0045*S4HMA	4,700	9,950	-	-	1	666	1,132				
4	LEL0070*S4HMA	7,950	1,350	-	-	2	1,425	2,422				
4	LEL0090*S4HMA	10,000	2,300	-	-	2	1,332	2,263				
4	LEL0135*S4HMA	14,950	2,900	-	-	3	1,998	3,395				
4	LEL0180*S4HMA	20,150	4,350	-	-	4	2,664	4,527				
4	LEL0220*S4HMA	24,200	5,850	-	-	5	3,331	5,659				
4	LEL0275*S4HMA	30,450	7,000	-	-	6	3,997	6,790				

**Notes:**

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

# SPECIFICATIONS

## Hot Gas Defrost- 60 Hz

Please consult AWEF and Net Capacity table on pages 32 & 33 to confirm DOE compliance per model

FPI	Model	HP	2-Speed EC Motor (Totally Enclosed)				Drain Pan Heaters			
			115/1/60				Watts	115/1/60	230/1/60	460/1/60
			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	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

FPI	Model	HP	2-Speed EC Motor (Totally Enclosed)				Drain Pan Heaters			
			208-230/1/60				Watts	115/1/60	230/1/60	460/1/60
			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	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 and Net Capacity table on pages 32 & 33 to confirm DOE compliance per model

FPI	Model	HP	1-Speed EC Motor (Totally Enclosed)				Drain Pan Heaters			
			115/1/60				Watts	115/1/60	230/1/60	460/1/60
			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	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

FPI	Model	HP	1-Speed EC Motor (Totally Enclosed)				Drain Pan Heaters			
			208-230/1/60				Watts	115/1/60	230/1/60	460/1/60
			Amps	Watts	MCA	MOPD		Total Amps		
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	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 and Net Capacity table on pages 32 & 33 to confirm DOE compliance per model

FPI	Model	HP	PSC Motor (Totally Enclosed)				Drain Pan Heaters			
			115/1/60				Watts	115/1/60	230/3/60	460/1/60
			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	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

FPI	Model	HP	PSC Motor (Totally Enclosed)				Drain Pan Heaters			
			208-230/1/60				Watts	115/1/60	230/3/60	460/1/60
			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	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 and Net Capacity table on pages 32 & 33 to confirm DOE compliance per model

FPI	Model	HP	PSC Motor (Totally Enclosed)				Drain Pan Heaters			
			460/1/60				Watts	115/1/60	230/3/60	460/1/60
			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	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 and Net Capacity table on pages 32 & 33 to confirm DOE compliance per model

FPI	Model	HP	2-Speed EC Motor (Totally Enclosed)				Drain Pan Heaters	
			220/1/50				Watts	220/1/50
			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	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	1.4	165	1.6	15	410	1.9
6	LEL0155*S6H^A	1/20	1.4	165	1.6	15	410	1.9
6	LEL0170*S6H^A	1/20	1.9	220	2.1	15	550	2.5
6	LEL0205*S6H^A	1/20	1.9	220	2.1	15	550	2.5
6	LEL0240*S6H^A	1/20	2.4	275	2.6	15	690	3.1
6	LEL0255*S6H^A	1/20	2.9	330	3.1	15	825	3.7
6	LEL0310*S6H^A	1/20	2.9	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	1.4	165	1.6	15	410	1.9
4	LEL0180*S4H^A	1/20	1.9	220	2.1	15	550	2.5
4	LEL0220*S4H^A	1/20	2.4	275	2.6	15	690	3.1
4	LEL0275*S4H^A	1/20	2.9	330	3.1	15	825	3.7

FPI	Model	HP	1-Speed EC Motor (Totally Enclosed)				Drain Pan Heaters	
			220/1/50				Watts	220/1/50
			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	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 and Net Capacity table on pages 32 & 33 to confirm DOE compliance per model

FPI	Model	HP	PSC Motor (Totally Enclosed)				Drain Pan Heaters	
			220/1/50				Watts	220/1/50
			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	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

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
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
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

FPI	Model	No. of Fans	Coil Inlet OD	Suction OD	Equalizer OD	Drain MPT	Approx. Net Weight	
							Lbs.	Kg
6	LEL0040*S6E^A	1	1/2	5/8	1/4	3/4	36	16
6	LEL0045*S6E^A	1	1/2	5/8	1/4	3/4	38	17
6	LEL0080*S6E^A	2	1/2	5/8	1/4	3/4	54	24
6	LEL0100*S6E^A	2	1/2	7/8	1/4	3/4	59	27
6	LEL0130*S6E^A	3	1/2	7/8	1/4	3/4	71	32
6	LEL0155*S6E^A	3	1/2	1-1/8	1/4	3/4	78	35
6	LEL0170*S6E^A	4	1/2	7/8	1/4	3/4	91	41
6	LEL0205*S6E^A	4	1/2	1-1/8	1/4	3/4	100	45
6	LEL0240*S6E^A	5	1/2	1-1/8	1/4	3/4	120	54
6	LEL0255*S6E^A	6	1/2	1-1/8	1/4	3/4	134	61
6	LEL0310*S6E^A	6	1/2	1-1/8	1/4	3/4	146	66
4	LEL0045*S4E^A	1	1/2	5/8	1/4	3/4	38	17
4	LEL0070*S4E^A	2	1/2	5/8	1/4	3/4	53	24
4	LEL0090*S4E^A	2	1/2	7/8	1/4	3/4	59	27
4	LEL0135*S4E^A	3	1/2	7/8	1/4	3/4	77	35
4	LEL0180*S4E^A	4	1/2	1-1/8	1/4	3/4	100	45
4	LEL0220*S4E^A	5	1/2	1-1/8	1/4	3/4	119	54
4	LEL0275*S4E^A	6	1/2	1-1/8	1/4	3/4	142	64

**Notes:**

\* = Electrical Code Designator (see Nomenclature details)

^ = Motor Code Designator (see Nomenclature details)

# PHYSICAL DATA

## Hot Gas Defrost

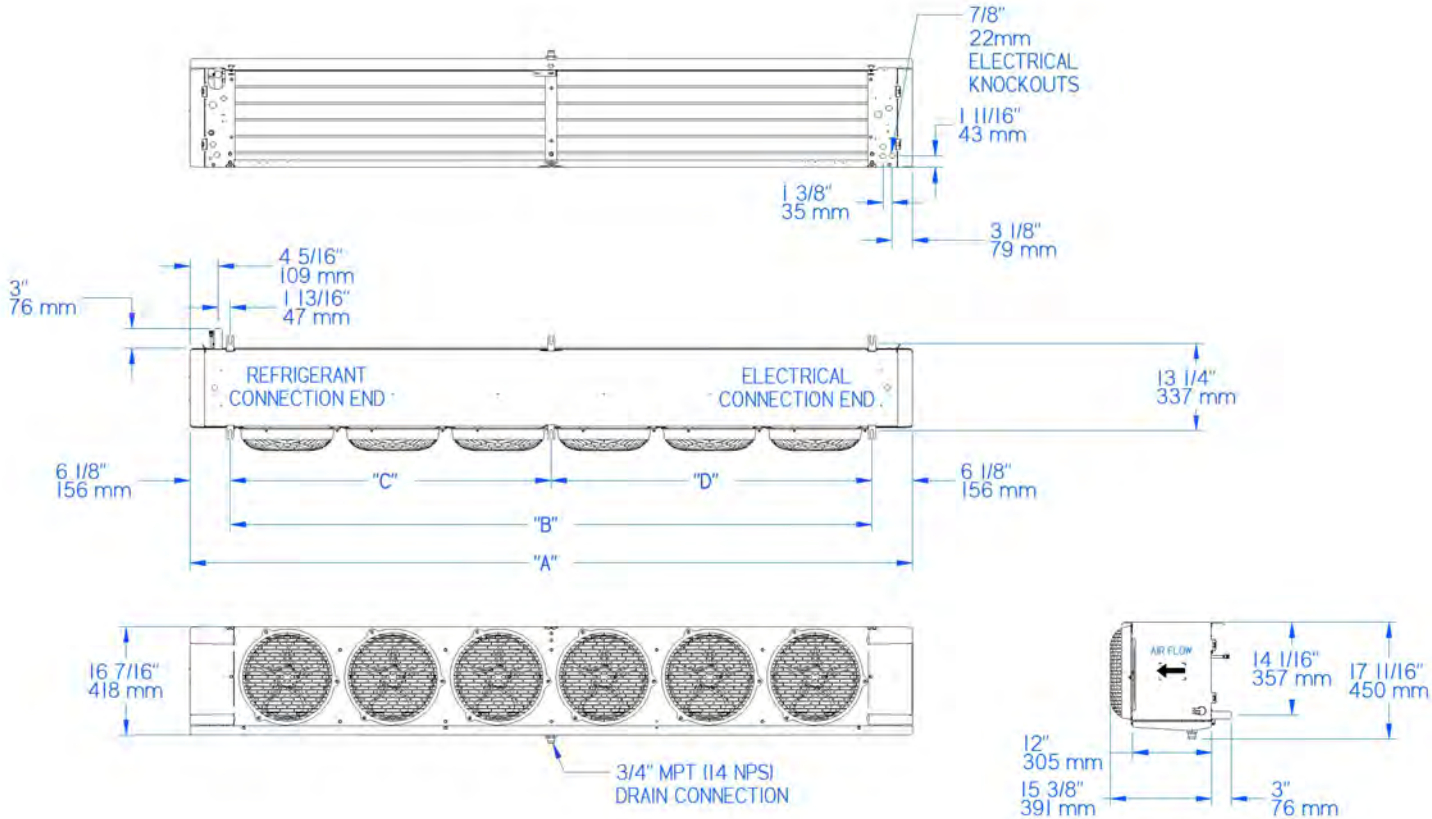
FPI	Model	No. of Fans	Coil Inlet OD	Suction OD	Equalizer OD	Drain MPT	Side Port OD	Hot Gas Pan Conns OD	Approx. Net Weight	
									Lbs.	Kg
6	LEL0040*S6H^A	1	1/2	5/8	1/4	3/4	1/2	5/8	38	17
6	LEL0045*S6H^A	1	1/2	5/8	1/4	3/4	1/2	5/8	40	18
6	LEL0080*S6H^A	2	1/2	5/8	1/4	3/4	1/2	5/8	56	25
6	LEL0100*S6H^A	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	749.3	17.25	438.1	-	-	-	-
2	45.5	1,155.70	33.25	845	-	-	-	-
3	61.5	1,562.10	49.25	1,251	-	-	-	-
4	77.5	1,968.50	65.25	1,657	-	-	-	-
5	93.5	2,374.90	81.25	2,064	48.63	1,235.10	32.63	828.7
6	109.5	2,781.30	97.25	2,470	48.63	1,235.10	48.63	1,235.10

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

# DOE Rated AWEF & Net Capacity

## AWEF & NET CAPACITY DATA

Net Capacity Rating Conditions/ DOE mandated, test conditions per AHRI 1250

Testing conditions: COOLER: 10°F TD, 25°F SST, <50% RH/ FREEZER: 10°F TD, -20°F SST, <50% RH

### Air Defrost

FPI	Model	Cooler							
		R-404A/ R-507A		R-448A/ R-449A		R-407A/ R-407F		R-407C	
		AWEF	Net Capacity <sup>1</sup>	AWEF	Net Capacity <sup>1</sup>	AWEF	Net Capacity <sup>1</sup>	AWEF	Net Capacity <sup>1</sup>
6	LEL0045*S6AMA	9.0	2,592	9.0	3,489	9.0	3,299	9.0	3,290
6	LEL0060*S6AMA	9.0	3,176	9.0	4,233	9.0	4,099	9.0	4,232
6	LEL0095*S6AMA	9.0	4,800	9.0	6,454	9.0	6,142	9.0	6,146
6	LEL0105*S6AMA	9.0	5,543	9.0	7,266	9.0	7,030	9.0	7,237
6	LEL0125*S6AMA	9.0	6,579	9.0	8,779	9.0	8,536	9.0	8,792
6	LEL0155*S6AMA	9.0	8,440	9.0	11,112	9.0	10,758	9.0	10,995
6	LEL0190*S6AMA	9.0	9,988	9.0	13,334	9.0	12,988	9.0	13,359
6	LEL0250*S6AMA	9.0	13,419	9.0	18,172	9.0	17,555	9.0	17,779
6	LEL0295*S6AMA	9.0	16,482	9.0	22,518	9.0	21,647	9.0	21,531
6	LEL0350*S6AMA	9.0	17,181	9.0	23,568	9.0	22,584	9.0	22,459
6	LEL0380*S6AMA	9.0	20,115	9.0	27,468	9.0	26,353	9.0	26,472

FPI	Model	Freezer							
		R-404A/ R-507A		R-448A/ R-449A		R-407A/ R-407F		R-407C	
		AWEF	Net Capacity <sup>2</sup>	AWEF	Net Capacity <sup>2</sup>	AWEF	Net Capacity <sup>2</sup>	AWEF	Net Capacity <sup>2</sup>
6	LEL0045*S6AMA	-	-	-	-	-	-	-	-
6	LEL0060*S6AMA	-	-	-	-	-	-	-	-
6	LEL0095*S6AMA	-	-	-	-	-	-	-	-
6	LEL0105*S6AMA	-	-	-	-	-	-	-	-
6	LEL0125*S6AMA	-	-	-	-	-	-	-	-
6	LEL0155*S6AMA	-	-	-	-	-	-	-	-
6	LEL0190*S6AMA	-	-	-	-	-	-	-	-
6	LEL0250*S6AMA	-	-	-	-	-	-	-	-
6	LEL0295*S6AMA	-	-	-	-	-	-	-	-
6	LEL0350*S6AMA	-	-	-	-	-	-	-	-
6	LEL0380*S6AMA	-	-	-	-	-	-	-	-

**Notes:**

Net Capacity<sup>1</sup>: 10°F TD +25°F SST < 50% RH

Net Capacity<sup>2</sup>: 10°F TD -20°F SST < 50% RH

# DOE Rated AWEF & Net Capacity

## AWEF & NET CAPACITY DATA

Net Capacity Rating Conditions/ DOE mandated, test conditions per AHRI 1250  
 Testing conditions: COOLER: 10°F TD, 25°F SST, <50% RH/ FREEZER: 10°F TD, -20°F SST, <50% RH

### Electric Defrost

FPI	Model	Cooler							
		R-404A/ R-507A		R-448A/ R-449A		R-407A/ R-407F		R-407C	
		AWEF	Net Capacity <sup>1</sup>	AWEF	Net Capacity <sup>1</sup>	AWEF	Net Capacity <sup>1</sup>	AWEF	Net Capacity <sup>1</sup>
6	LELO040*S6EEA	-	-	-	-	-	-	-	-
6	LELO045*S6EEA	-	-	-	-	-	-	-	-
6	LELO080*S6EEA	-	-	-	-	-	-	-	-
6	LELO100*S6EEA	-	-	-	-	-	-	-	-
6	LELO130*S6EEA	-	-	-	-	-	-	-	-
6	LELO155*S6EEA	-	-	-	-	-	-	-	-
6	LELO170*S6EEA	-	-	-	-	-	-	-	-
6	LELO205*S6EEA	-	-	-	-	-	-	-	-
6	LELO240*S6EEA	-	-	-	-	-	-	-	-
6	LELO255*S6EEA	-	-	-	-	-	-	-	-
6	LELO310*S6EEA	-	-	-	-	-	-	-	-
4	LELO045*S4EEA	-	-	-	-	-	-	-	-
4	LELO070*S4EEA	-	-	-	-	-	-	-	-
4	LELO090*S4EEA	-	-	-	-	-	-	-	-
4	LELO135*S4EEA	-	-	-	-	-	-	-	-
4	LELO180*S4EEA	-	-	-	-	-	-	-	-
4	LELO220*S4EEA	-	-	-	-	-	-	-	-
4	LELO275*S4EEA	-	-	-	-	-	-	-	-

FPI	Model	Freezer							
		R-404A/ R-507A		R-448A/ R-449A		R-407A/ R-407F		R-407C	
		AWEF	Net Capacity <sup>2</sup>	AWEF	Net Capacity <sup>2</sup>	AWEF	Net Capacity <sup>2</sup>	AWEF	Net Capacity <sup>2</sup>
6	LELO040*S6EEA	3.96	2,814	3.96	3,623	3.96	3,361	-	-
6	LELO045*S6EEA	3.96	3,274	3.96	4,331	3.96	4,042	-	-
6	LELO080*S6EEA	4.0	5,708	4.0	7,466	4.0	6,945	-	-
6	LELO100*S6EEA	4.03	7,136	4.03	9,392	4.03	8,738	-	-
6	LELO130*S6EEA	4.06	9,067	4.06	11,767	4.06	10,949	-	-
6	LELO155*S6EEA	4.09	10,909	4.09	14,404	4.09	13,445	-	-
6	LELO170*S6EEA	4.1	11,812	4.1	15,441	4.1	14,427	-	-
6	LELO205*S6EEA	4.14	14,310	4.14	18,969	4.14	17,833	-	-
6	LELO240*S6EEA	4.15	16,990	4.15	22,703	4.15	21,269	-	-
6	LELO255*S6EEA	4.15	17,932	4.15	23,481	4.15	21,910	-	-
6	LELO310*S6EEA	4.15	21,717	4.15	28,826	4.15	27,043	-	-
4	LELO045*S4EEA	3.96	3,015	3.96	3,928	3.96	3,698	-	-
4	LELO070*S4EEA	3.99	5,191	3.99	6,708	3.99	6,295	-	-
4	LELO090*S4EEA	4.02	6,465	4.02	8,427	4.02	7,872	-	-
4	LELO135*S4EEA	4.07	9,739	4.07	12,771	4.07	12,033	-	-
4	LELO180*S4EEA	4.12	13,111	4.12	17,229	4.12	16,223	-	-
4	LELO220*S4EEA	4.15	14,848	4.15	19,463	4.15	18,451	-	-
4	LELO275*S4EEA	4.15	18,606	4.15	24,400	4.15	23,017	-	-

**Notes:**  
 Net Capacity<sup>1</sup>: 10°F TD +25°F SST < 50% RH  
 Net Capacity<sup>2</sup>: 10°F TD -20°F SST < 50% RH

## DOE Rated AWEF & Net Capacity

# AWEF & NET CAPACITY DATA

Net Capacity Rating Conditions/ DOE mandated, test conditions per AHRI 1250

Testing conditions: COOLER: 10°F TD, 25°F SST, <50% RH/ FREEZER: 10°F TD, -20°F SST, <50% RH

### Electric Defrost (cont.)

FPI	Model	Cooler							
		R-404A/ R-507A		R-448A/ R-449A		R-407A/ R-407F		R-407C	
		AWEF	Net Capacity <sup>1</sup>	AWEF	Net Capacity <sup>1</sup>	AWEF	Net Capacity <sup>1</sup>	AWEF	Net Capacity <sup>1</sup>
6	LEL0040*S6EMA	9.0	2,689	9.0	3,480	9.0	3,354	-	-
6	LEL0045*S6EMA	9.0	3,274	9.0	4,356	9.0	4,213	-	-
6	LEL0080*S6EMA	9.0	5,705	9.0	7,467	9.0	7,216	-	-
6	LEL0100*S6EMA	9.0	6,550	9.0	8,620	9.0	8,389	-	-
6	LEL0130*S6EMA	9.0	8,498	9.0	11,015	9.0	10,697	-	-
6	LEL0155*S6EMA	9.0	10,084	9.0	13,317	9.0	12,984	-	-
6	LEL0170*S6EMA	9.0	11,643	9.0	15,246	9.0	14,778	-	-
6	LEL0205*S6EMA	9.0	13,828	9.0	18,425	9.0	17,945	-	-
6	LEL0240*S6EMA	9.0	17,381	9.0	23,420	9.0	22,685	-	-
6	LEL0255*S6EMA	9.0	17,588	9.0	23,007	9.0	22,345	-	-
6	LEL0310*S6EMA	9.0	20,863	9.0	27,817	9.0	27,109	-	-
4	LEL0045*S4EMA	9.0	2,958	9.0	3,888	9.0	3,775	-	-
4	LEL0070*S4EMA	9.0	5,077	9.0	6,575	9.0	6,391	-	-
4	LEL0090*S4EMA	9.0	5,895	9.0	7,668	9.0	7,491	-	-
4	LEL0135*S4EMA	9.0	9,297	9.0	12,221	9.0	11,947	-	-
4	LEL0180*S4EMA	9.0	12,477	9.0	16,402	9.0	16,049	-	-
4	LEL0220*S4EMA	9.0	14,665	9.0	19,306	9.0	18,896	-	-
4	LEL0275*S4EMA	9.0	17,493	9.0	22,887	9.0	22,466	-	-

FPI	Model	Freezer							
		R-404A/ R-507A		R-448A/ R-449A		R-407A/ R-407F		R-407C	
		AWEF	Net Capacity <sup>2</sup>	AWEF	Net Capacity <sup>2</sup>	AWEF	Net Capacity <sup>2</sup>	AWEF	Net Capacity <sup>2</sup>
6	LEL0040*S6EMA	3.96	2,814	3.96	3,623	3.96	3,361	-	-
6	LEL0045*S6EMA	3.96	3,274	3.96	4,331	3.96	4,042	-	-
6	LEL0080*S6EMA	4.0	5,708	4.0	7,466	4.0	6,945	-	-
6	LEL0100*S6EMA	4.03	7,136	4.03	9,392	4.03	8,738	-	-
6	LEL0130*S6EMA	4.06	9,067	4.06	11,767	4.06	10,949	-	-
6	LEL0155*S6EMA	4.09	10,909	4.09	14,404	4.09	13,445	-	-
6	LEL0170*S6EMA	4.1	11,812	4.1	15,441	4.1	14,427	-	-
6	LEL0205*S6EMA	4.14	14,310	4.14	18,969	4.14	17,833	-	-
6	LEL0240*S6EMA	4.15	16,990	4.15	22,703	4.15	21,269	-	-
6	LEL0255*S6EMA	4.15	17,932	4.15	23,481	4.15	21,910	-	-
6	LEL0310*S6EMA	4.15	21,717	4.15	28,826	4.15	27,043	-	-
4	LEL0045*S4EMA	3.96	3,015	3.96	3,928	3.96	3,698	-	-
4	LEL0070*S4EMA	3.99	5,191	3.99	6,708	3.99	6,295	-	-
4	LEL0090*S4EMA	4.02	6,465	4.02	8,427	4.02	7,872	-	-
4	LEL0135*S4EMA	4.07	9,739	4.07	12,771	4.07	12,033	-	-
4	LEL0180*S4EMA	4.12	13,111	4.12	17,229	4.12	16,223	-	-
4	LEL0220*S4EMA	4.15	14,848	4.15	19,463	4.15	18,451	-	-
4	LEL0275*S4EMA	4.15	18,606	4.15	24,400	4.15	23,017	-	-

**Notes:**

Net Capacity<sup>1</sup>: 10°F TD +25°F SST < 50% RH

Net Capacity<sup>2</sup>: 10°F TD -20°F SST < 50% RH

## DOE Rated AWEF & Net Capacity

# AWEF & NET CAPACITY DATA

Net Capacity Rating Conditions/ DOE mandated, test conditions per AHRI 1250

Testing conditions: COOLER: 10°F TD, 25°F SST, <50% RH/ FREEZER: 10°F TD, -20°F SST, <50% RH

### Hot Gas Defrost

FPI	Model	Cooler							
		R-404A/ R-507A		R-448A/ R-449A		R-407A/ R-407F		R-407C	
		AWEF	Net Capacity <sup>1</sup>	AWEF	Net Capacity <sup>1</sup>	AWEF	Net Capacity <sup>1</sup>	AWEF	Net Capacity <sup>1</sup>
6	LEL0040*S6HEA	-	-	-	-	-	-	-	-
6	LEL0045*S6HEA	-	-	-	-	-	-	-	-
6	LEL0080*S6HEA	-	-	-	-	-	-	-	-
6	LEL0100*S6HEA	-	-	-	-	-	-	-	-
6	LEL0130*S6HEA	-	-	-	-	-	-	-	-
6	LEL0155*S6HEA	-	-	-	-	-	-	-	-
6	LEL0170*S6HEA	-	-	-	-	-	-	-	-
6	LEL0205*S6HEA	-	-	-	-	-	-	-	-
6	LEL0240*S6HEA	-	-	-	-	-	-	-	-
6	LEL0255*S6HEA	-	-	-	-	-	-	-	-
6	LEL0310*S6HEA	-	-	-	-	-	-	-	-
4	LEL0045*S4HEA	-	-	-	-	-	-	-	-
4	LEL0070*S4HEA	-	-	-	-	-	-	-	-
4	LEL0090*S4HEA	-	-	-	-	-	-	-	-
4	LEL0135*S4HEA	-	-	-	-	-	-	-	-
4	LEL0180*S4HEA	-	-	-	-	-	-	-	-
4	LEL0220*S4HEA	-	-	-	-	-	-	-	-
4	LEL0275*S4HEA	-	-	-	-	-	-	-	-

FPI	Model	Freezer							
		R-404A/ R-507A		R-448A/ R-449A		R-407A/ R-407F		R-407C	
		AWEF	Net Capacity <sup>2</sup>	AWEF	Net Capacity <sup>2</sup>	AWEF	Net Capacity <sup>2</sup>	AWEF	Net Capacity <sup>2</sup>
6	LEL0040*S6HEA	3.96	2,814	3.96	3,623	3.96	3,361	-	-
6	LEL0045*S6HEA	3.96	3,274	3.96	4,331	3.96	4,042	-	-
6	LEL0080*S6HEA	4.0	5,708	4.0	7,466	4.0	6,945	-	-
6	LEL0100*S6HEA	4.03	7,136	4.03	9,392	4.03	8,738	-	-
6	LEL0130*S6HEA	4.06	9,067	4.06	11,767	4.06	10,949	-	-
6	LEL0155*S6HEA	4.09	10,909	4.09	14,404	4.09	13,445	-	-
6	LEL0170*S6HEA	4.1	11,812	4.1	15,441	4.1	14,427	-	-
6	LEL0205*S6HEA	4.14	14,310	4.14	18,969	4.14	17,833	-	-
6	LEL0240*S6HEA	4.15	16,990	4.15	22,703	4.15	21,269	-	-
6	LEL0255*S6HEA	4.15	17,932	4.15	23,481	4.15	21,910	-	-
6	LEL0310*S6HEA	4.15	21,717	4.15	28,826	4.15	27,043	-	-
4	LEL0045*S4HEA	3.96	3,015	3.96	3,928	3.96	3,698	-	-
4	LEL0070*S4HEA	3.99	5,191	3.99	6,708	3.99	6,295	-	-
4	LEL0090*S4HEA	4.02	6,465	4.02	8,427	4.02	7,872	-	-
4	LEL0135*S4HEA	4.07	9,739	4.07	12,771	4.07	12,033	-	-
4	LEL0180*S4HEA	4.12	13,111	4.12	17,229	4.12	16,223	-	-
4	LEL0220*S4HEA	4.15	15,747	4.15	20,891	4.15	19,591	-	-
4	LEL0275*S4HEA	4.15	19,856	4.15	26,144	4.15	24,604	-	-

**Notes:**

Net Capacity<sup>1</sup>: 10°F TD +25°F SST < 50% RH

Net Capacity<sup>2</sup>: 10°F TD -20°F SST < 50% RH



# DOE Rated AWEF & Net Capacity

## AWEF & NET CAPACITY DATA

Net Capacity Rating Conditions/ DOE mandated, test conditions per AHRI 1250

Testing conditions: COOLER: 10°F TD, 25°F SST, <50% RH/ FREEZER: 10°F TD, -20°F SST, <50% RH

### Hot Gas Defrost

FPI	Model	Cooler							
		R-404A/ R-507A		R-448A/ R-449A		R-407A/ R-407F		R-407C	
		AWEF	Net Capacity <sup>1</sup>	AWEF	Net Capacity <sup>1</sup>	AWEF	Net Capacity <sup>1</sup>	AWEF	Net Capacity <sup>1</sup>
6	LEL0040*S6HMA	9.0	2,689	9.0	3,480	9.0	3,354	-	-
6	LEL0045*S6HMA	9.0	3,274	9.0	4,356	9.0	4,213	-	-
6	LEL0080*S6HMA	9.0	5,705	9.0	7,467	9.0	7,216	-	-
6	LEL0100*S6HMA	9.0	6,550	9.0	8,620	9.0	8,389	-	-
6	LEL0130*S6HMA	9.0	8,498	9.0	11,015	9.0	10,697	-	-
6	LEL0155*S6HMA	9.0	10,084	9.0	13,317	9.0	12,984	-	-
6	LEL0170*S6HMA	9.0	11,643	9.0	15,246	9.0	14,778	-	-
6	LEL0205*S6HMA	9.0	13,828	9.0	18,425	9.0	17,945	-	-
6	LEL0240*S6HMA	9.0	17,381	9.0	23,420	9.0	22,685	-	-
6	LEL0255*S6HMA	9.0	17,588	9.0	23,007	9.0	22,345	-	-
6	LEL0310*S6HMA	9.0	20,863	9.0	27,817	9.0	27,109	-	-
4	LEL0045*S4HMA	9.0	2,958	9.0	3,888	9.0	3,775	-	-
4	LEL0070*S4HMA	9.0	5,077	9.0	6,575	9.0	6,391	-	-
4	LEL0090*S4HMA	9.0	5,895	9.0	7,668	9.0	7,491	-	-
4	LEL0135*S4HMA	9.0	9,297	9.0	12,221	9.0	11,947	-	-
4	LEL0180*S4HMA	9.0	12,477	9.0	16,402	9.0	16,049	-	-
4	LEL0220*S4HMA	9.0	15,754	9.0	20,868	9.0	20,354	-	-
4	LEL0275*S4HMA	9.0	18,817	9.0	24,758	9.0	24,244	-	-

FPI	Model	Freezer							
		R-404A/ R-507A		R-448A/ R-449A		R-407A/ R-407F		R-407C	
		AWEF	Net Capacity <sup>2</sup>	AWEF	Net Capacity <sup>2</sup>	AWEF	Net Capacity <sup>2</sup>	AWEF	Net Capacity <sup>2</sup>
6	LEL0040*S6HMA	3.96	2,814	3.96	3,623	3.96	3,361	-	-
6	LEL0045*S6HMA	3.96	3,274	3.96	4,331	3.96	4,042	-	-
6	LEL0080*S6HMA	4.0	5,708	4.0	7,466	4.0	6,945	-	-
6	LEL0100*S6HMA	4.03	7,136	4.03	9,392	4.03	8,738	-	-
6	LEL0130*S6HMA	4.06	9,067	4.06	11,767	4.06	10,949	-	-
6	LEL0155*S6HMA	4.09	10,909	4.09	14,404	4.09	13,445	-	-
6	LEL0170*S6HMA	4.1	11,812	4.1	15,441	4.1	14,427	-	-
6	LEL0205*S6HMA	4.14	14,310	4.14	18,969	4.14	17,833	-	-
6	LEL0240*S6HMA	4.15	16,990	4.15	22,703	4.15	21,269	-	-
6	LEL0255*S6HMA	4.15	17,932	4.15	23,481	4.15	21,910	-	-
6	LEL0310*S6HMA	4.15	21,717	4.15	28,826	4.15	27,043	-	-
4	LEL0045*S4HMA	3.96	3,015	3.96	3,928	3.96	3,698	-	-
4	LEL0070*S4HMA	3.99	5,191	3.99	6,708	3.99	6,295	-	-
4	LEL0090*S4HMA	4.02	6,465	4.02	8,427	4.02	7,872	-	-
4	LEL0135*S4HMA	4.07	9,739	4.07	12,771	4.07	12,033	-	-
4	LEL0180*S4HMA	4.12	13,111	4.12	17,229	4.12	16,223	-	-
4	LEL0220*S4HMA	4.15	15,747	4.15	20,891	4.15	19,591	-	-
4	LEL0275*S4HMA	4.15	19,856	4.15	26,144	4.15	24,604	-	-

**Notes:**

Net Capacity<sup>1</sup>: 10°F TD +25°F SST < 50% RH

Net Capacity<sup>2</sup>: 10°F TD -20°F SST < 50% RH

## HOT GAS REVERSE CYCLE KITS

Shipped Loose Accessories

FPI	Model	TXV Bypass and Liquid Line Piping Kit (Reverse Cycle)	TXV Liquid Line Piping Kit (Three Pipe)	Suction/Drain Pan Check Valve Piping Kit (Reverse Cycle)	Drain Pan Check Valve Piping Kit (Three Pipe)
		For TXV's SBF/SQE/BBI/EG	For TXV's SBF/SQE/BBI/EG		
6	LEL0040*S6H^A	50756301	50756302	50692204	50692302
6	LEL0045*S6H^A	50756301	50756302	50692204	50692302
6	LEL0080*S6H^A	50756301	50756302	50692204	50692302
6	LEL0100*S6H^A	50756301	50756302	50692205	50692302
6	LEL0130*S6H^A	50756301	50756302	50692205	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

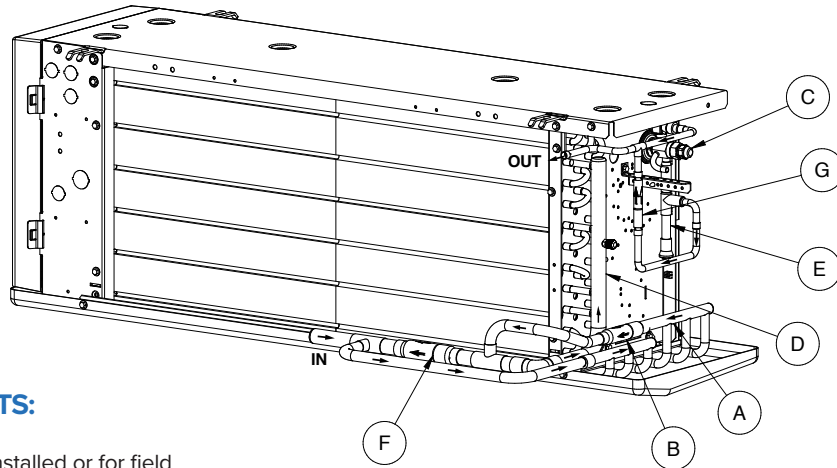
Reverse cycle defrost is a common method used in systems that include at least four unit coolers connected to a compressor rack. No more than 25% of the connected unit coolers are typically defrosted at the same time.

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



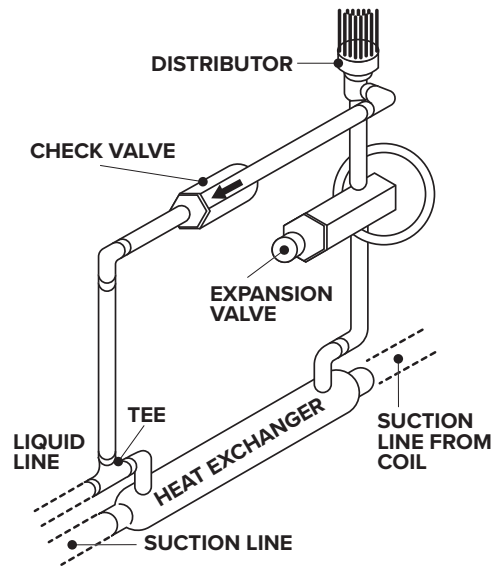
## REVERSE CYCLE DEFROST PIPING KITS:

**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 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 suction header.

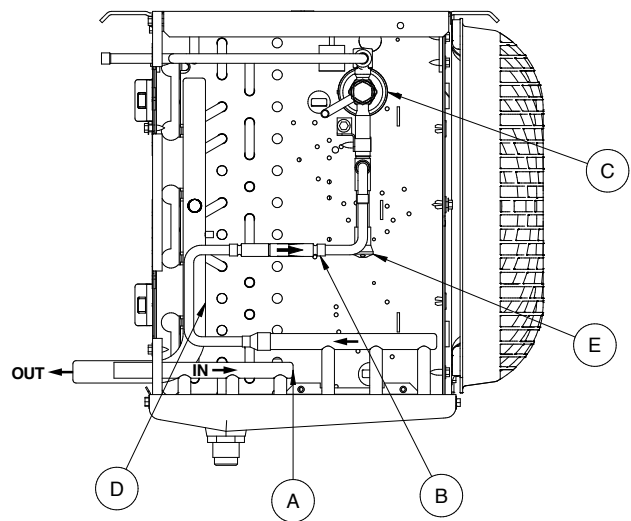
### Three-pipe defrost unit cooler operation (cont.)

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	Standard 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 <sub>2</sub> Overfeed Only
41038402	All	Access Panel LH (Refrig) End	Air/Electric	White Painted Aluminum	Glycol/CO <sub>2</sub> Overfeed Only
41038501	All	Access Panel LH (Refrig) End	Air/Electric	Stainless Steel	Glycol/CO <sub>2</sub> Overfeed Only
41038701	All	Access Panel RH (Elect) End	Air/Electric	Aluminum	Glycol/CO <sub>2</sub>
41038702	All	Access Panel RH (Elect) End	Air/Electric	White Painted Aluminum	Glycol/CO <sub>2</sub>
41038901	All	Access Panel RH (Elect) End	Air/Electric	Stainless Steel	Glycol/CO <sub>2</sub>

## Drain Pan Heaters

Part #	No. of Fans	Voltage	Wattage	Defrost Type	Application Notes
24753101	1	115	300	Hot Gas	Elec, Hot Gas Models w/Drain Pan Heater
24753102	2	115	600	Hot Gas	Elec, Hot Gas Models w/Drain Pan Heater
24753103	3	115	900	Hot Gas	Elec, Hot Gas Models w/Drain Pan Heater
24753104	4	115	1200	Hot Gas	Elec, Hot Gas Models w/Drain Pan Heater
24753105	5	115	1500	Hot Gas	Elec, Hot Gas Models w/Drain Pan Heater
24753106	6	115	1800	Hot Gas	Elec, 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	Electric /Hot Gas	Elec, Hot Gas Models w/Drain Pan Heater
24753202	2	460	300	Electric /Hot Gas	Elec, Hot Gas Models w/Drain Pan Heater
24753203	3	460	450	Electric /Hot Gas	Elec, Hot Gas Models w/Drain Pan Heater
24753204	4	460	600	Electric /Hot Gas	Elec, Hot Gas Models w/Drain Pan Heater
24753205	5	460	750	Electric /Hot Gas	Elec, Hot Gas Models w/Drain Pan Heater
24753206	6	460	900	Electric /Hot Gas	Elec, 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
24753301	1	460	300	Electric
24753302	2	460	600	Electric
24753303	3	460	900	Electric
24753304	4	460	1,200	Electric
24753305	5	460	1,500	Electric
24753306	6	460	1,800	Electric

### 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	-	-	-	-
LEL0060*S6A^A	1	3/16	15	2	L-1/3	L-1/2	L-1/3	L-1/3
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-1/2	L-1	L-3/4	L-3/4
LEL0125*S6A^A	2	3/16	15	4	L-3/4	L-1	L-3/4	L-3/4
LEL0155*S6A^A	3	3/16	15	4	L-3/4	L-1-1/2	L-1	L-1
LEL0190*S6A^A	3	3/16	15	6	L-1	L-1-1/2	L-1	L-1
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-1-1/2	L-2-1/2	L-2	L-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	L-3	L-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-1/2	L-3/4	L-1/2	-
LEL0080*S6E^A	2	3/16	15	3	L-1	L-1-1/2	L-3/4	-
LEL0100*S6E^A	2	3/16	15	6	L-1	L-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-1-1/2	-
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	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-2-1/2	L-4	L-2-1/2	-
LEL0310*S6E^A	6	3/16	16	12	L-3	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-3	L-2	-
LEL0220*S4E^A	5	3/16	15	8	L-2-1/2	L-4	L-2	-
LEL0275*S4E^A	6	3/16	16	12	L-3	L-5	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-1/2	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
LEL0080*S6E^A	2	3/16	15	3	L-1/2	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-3/4	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	L-2	L-1	L-1
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-2-1/2	L-1-1/2	L-1-1/2
LEL0255*S6E^A	6	3/16	15	9	L-2	L-3	L-2	L-2
LEL0310*S6E^A	6	3/16	16	12	L-2	L-3	L-2	L-2
LEL0045*S4E^A	1	3/16	15	2	L-1/4	L-1/2	L-1/3	L-1/3
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-1	L-3/4	L-3/4
LEL0135*S4E^A	3	3/16	15	6	L-1	L-1-1/2	L-1	L-1
LEL0180*S4E^A	4	3/16	15	8	L-1-1/2	L-2	L-1-1/2	L-1-1/2
LEL0220*S4E^A	5	3/16	15	8	L-1-1/2	L-2-1/2	L-1-1/2	L-1-1/2
LEL0275*S4E^A	6	3/16	16	12	L-2	L-3	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-1/2	L-3/4	L-1/2	-
LEL0080*S6H^A	2	3/16	15	3	L-1	L-1-1/2	L-3/4	-
LEL0100*S6H^A	2	3/16	15	6	L-1	L-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-1-1/2	-
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	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-2-1/2	L-4	L-2-1/2	-
LEL0310*S6H^A	6	3/16	16	12	L-3	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-3	L-2	-
LEL0220*S4H^A	5	3/16	15	8	L-2-1/2	L-4	L-2	-
LEL0275*S4H^A	6	3/16	16	12	L-3	L-5	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-1/3	L-1/2	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
LEL0080*S6H^A	2	3/16	15	3	L-1/2	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-3/4	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	L-2	L-1	L-1
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-2-1/2	L-1-1/2	L-1-1/2
LEL0255*S6H^A	6	3/16	15	9	L-2	L-3	L-2	L-2
LEL0310*S6H^A	6	3/16	16	12	L-2	L-3	L-2	L-2
LEL0045*S4H^A	1	3/16	15	2	L-1/4	L-1/2	L-1/3	L-1/3
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-1	L-3/4	L-3/4
LEL0135*S4H^A	3	3/16	15	6	L-1	L-1-1/2	L-1	L-1
LEL0180*S4H^A	4	3/16	15	8	L-1-1/2	L-2	L-1-1/2	L-1-1/2
LEL0220*S4H^A	5	3/16	15	8	L-1-1/2	L-2-1/2	L-1-1/2	L-1-1/2
LEL0275*S4H^A	6	3/16	16	12	L-2	L-3	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!



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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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