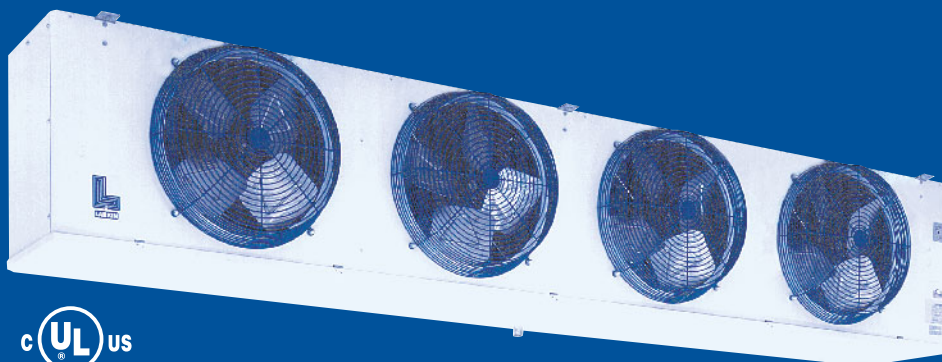




Bulletin MM-02
October 2002
(Replaces MM-96A • 8/99)

Medium Profile Unit Coolers



ALSO CLASSIFIED
AS A COMPONENT
IN ACCORDANCE
WITH NSF 7 - 1999

MMT6 - Air Defrost

MLT6/MLT4 - Electric Defrost

MLG6/MLG4 - Hot Gas Defrost

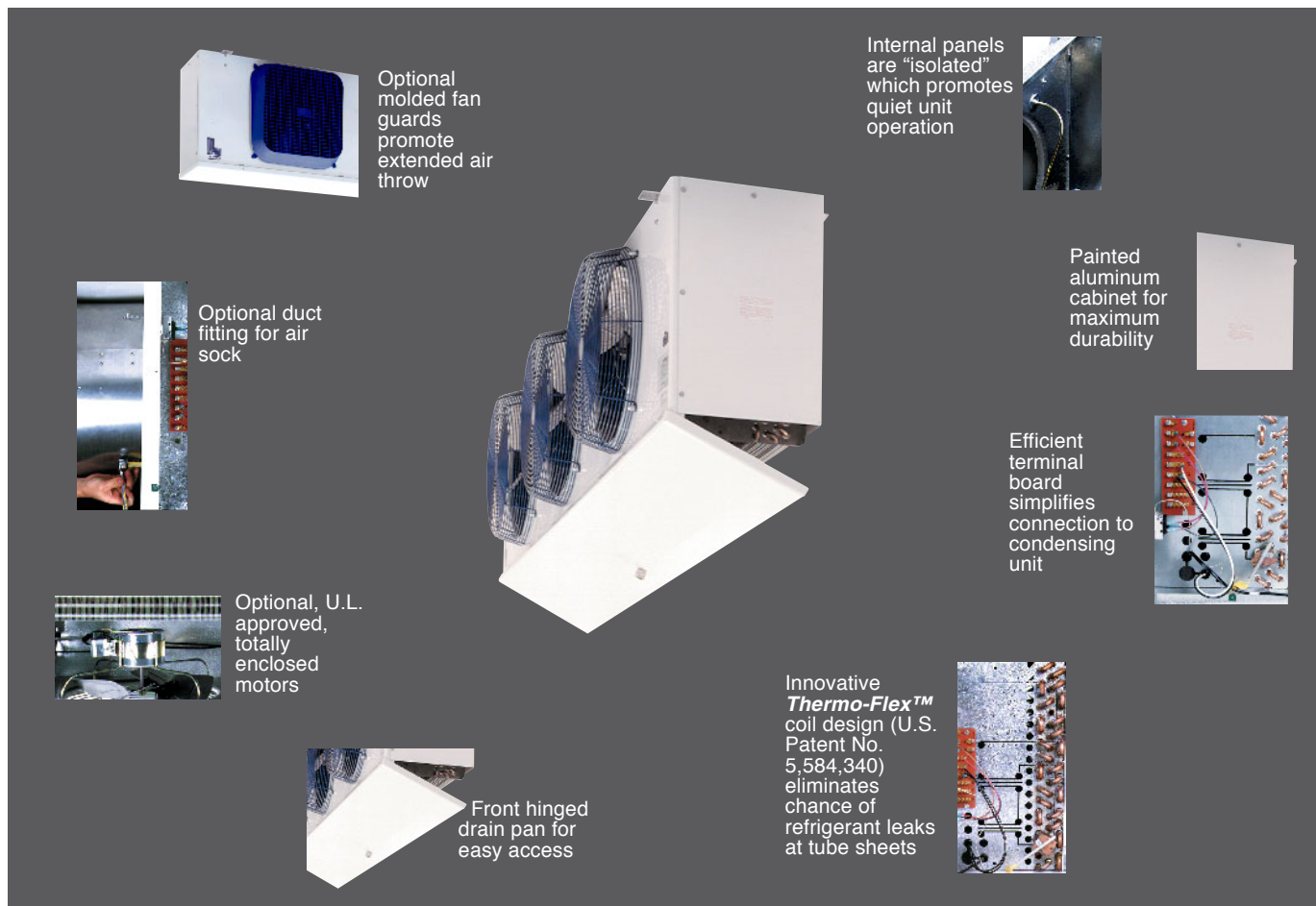
Standard Features

- All electrical components factory wired to terminal board and identified, making it easy to field wire the unit.
- All electric defrost models have adjustable defrost termination and fan delay thermostat.
- Front hinged drain pan for easy access.
- Schrader valve provided for suction pressure measurement.
- External equalizer connection.
- Terminal board design simplifies wiring between the evaporator and condensing units.
- Permanent split capacitor, thermally protected, lifetime-lubricated motors in 115, 208-230 and 460 volts.
- Reliable nickel steel alloy defrost heater elements.
- All internal panels have been “isolated” which provides for quiet unit operation.
- Motors plug into wiring harness for easier servicing.

Options

- U.L. approved totally enclosed motors.
- Molded fan guards for extended air throw.
- 575 volt units.

Larkin Features That Make The Difference



Optional molded fan guards promote extended air throw

Internal panels are “isolated” which promotes quiet unit operation

Painted aluminum cabinet for maximum durability

Efficient terminal board simplifies connection to condensing unit

Innovative **Thermo-Flex™** coil design (U.S. Patent No. 5,584,340) eliminates chance of refrigerant leaks at tube sheets

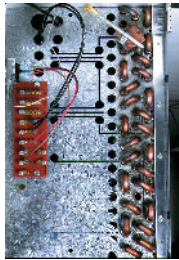
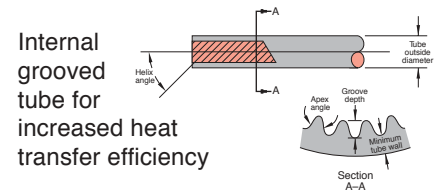
Optional, U.L. approved, totally enclosed motors

Optional duct fitting for air sock

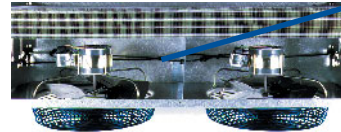
Front hinged drain pan for easy access

Designing Today's Products with Tomorrow's Technology

At Larkin, we designed our most advanced medium profile unit coolers using the latest technology in the refrigeration industry! These innovative and efficient units serve a variety of commercial and industrial applications. With sizes ranging from 10,000 to 71,000 BTUH and a modular design *only 24 inches high*, these unit coolers will prove to be the easiest to install, the most economical to operate and will be superior in quality over the competition!



Thermo-Flex™ Coil Design (U.S. Patent No. 5,584,340) with a five-year limited guarantee against refrigerant leaks at tube sheets.

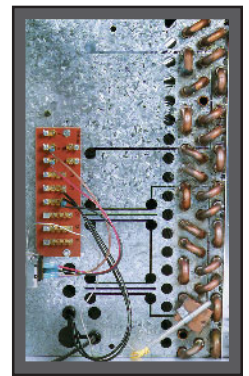


Factory installed liquid line solenoid wiring harness for faster installation.

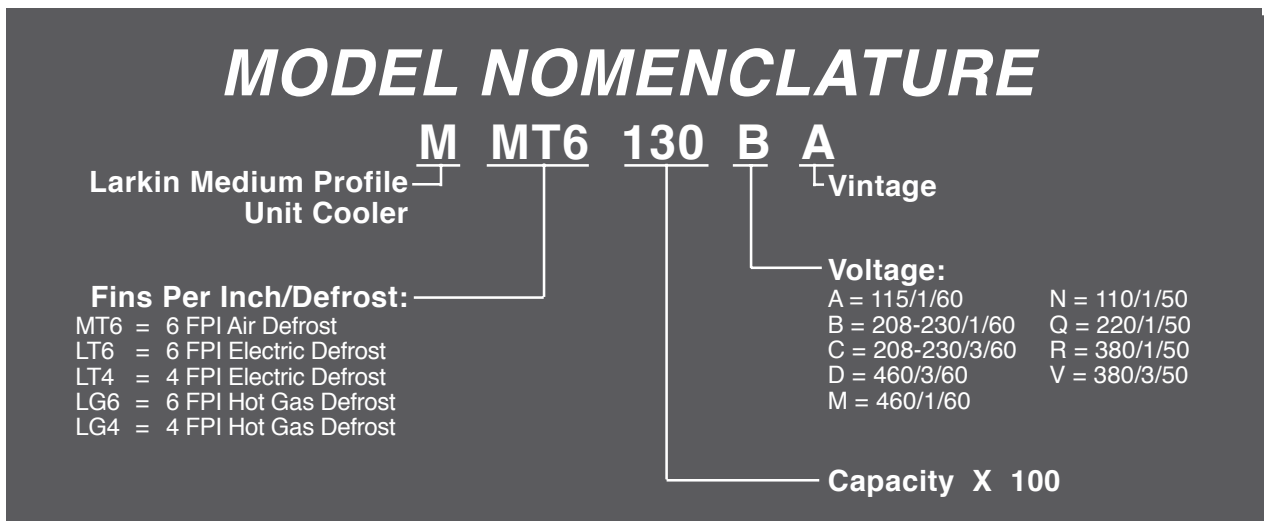
Innovative Thermo-Flex™ Coil Design

Larkin's innovative coil design utilizes a new and unique approach to coil expansion that virtually *eliminates* the possibility of leaks at tube sheets and coil supports. Our engineers conceived the design through intense analysis of the cause of common coil failures. Through the use of accelerated test procedures and computer simulation, our engineers pinpointed the primary stress points of a coil during its operation.

The **Thermo-Flex™** coil design for the unit cooler (U.S. Patent No. 5,584,340) allows the coil to "flex" during periods of defrost which result in expansion of the coil surface. By eliminating the possibility of wear at critical stress areas, the integrity and longevity of the unit are dramatically increased.



The result is a product which greatly enhances overall system reliability and reduces risk of costly refrigerant loss. **To prove our claim, Larkin offers a five-year limited guarantee against leaks at tube sheets and center supports for all medium profile unit coolers.**



Air Defrost Capacities

Model MMT6 Air Defrost 60 Hz.

Model MMT6	Capacity BTUH / <i>watts</i> 10°F TD +25°F SST	Fan Data					Motor Data				
		CFM / <i>m³h</i>	No.	Dia. In. / <i>mm</i>	*† Air Throw FT / <i>m</i>		HP	Total Amps			
					Diffused (Std.)	Extended (Opt.)		115 / 1 / 60	208-230 1/60	460/ 1/60	
130	13,000 <i>3810</i>	2,300 <i>3,910</i>	1	18 <i>457</i>	50 <i>15</i>	65 <i>20</i>	1/4	4.0	1.8	1.0	
155	15,500 <i>4540</i>	2,200 <i>3,740</i>	1	18 <i>457</i>	50 <i>15</i>	65 <i>20</i>	1/4	4.0	1.8	1.0	
245	24,500 <i>7180</i>	4,600 <i>7,820</i>	2	18 <i>457</i>	50 <i>15</i>	65 <i>20</i>	1/4	8.0	3.6	2.0	
300	30,000 <i>8790</i>	4,400 <i>7,480</i>	2	18 <i>457</i>	50 <i>15</i>	65 <i>20</i>	1/4	8.0	3.6	2.0	
365	36,500 <i>10,690</i>	6,900 <i>11,730</i>	3	18 <i>457</i>	50 <i>15</i>	65 <i>20</i>	1/4	12.0	5.4	3.0	
450	45,000 <i>13,180</i>	6,600 <i>11,220</i>	3	18 <i>457</i>	50 <i>15</i>	65 <i>20</i>	1/4	12.0	5.4	3.0	
510	51,000 <i>14,940</i>	9,200 <i>15,640</i>	4	18 <i>457</i>	50 <i>15</i>	65 <i>20</i>	1/4	16.0	7.2	4.0	
600	60,000 <i>17,570</i>	8,800 <i>14,960</i>	4	18 <i>457</i>	50 <i>15</i>	65 <i>20</i>	1/4	16.0	7.2	4.0	
710	71,000 <i>20,790</i>	10,500 <i>17,850</i>	5	18 <i>457</i>	50 <i>15</i>	65 <i>20</i>	1/4	—	9.0	5.0	

* Standard wire fan guards promote air diffusion; optional molded fan guards allow for extended air throw.

† Air throw data based on 12-ft. high ceilings with no obstructions where velocity drops to 50 FPM.

Model MMT6 Air Defrost 50 Hz.

Model MMT6	Capacity BTUH / <i>watts</i> 6°C TD -4°C SST	Fan Data					Motor Data				
		CFM / <i>m³h</i>	No.	Dia. In. / <i>mm</i>	*† Air Throw Ft. / <i>m</i>		HP	Total Amps			
					Diffused (Std.)	Extended (Opt.)		110/ 1 / 50	220/ 1/50	380/ 1/50	
130	11,960 <i>3,500</i>	2,070 <i>3,520</i>	1	18 <i>457</i>	45 <i>13.5</i>	60 <i>18.5</i>	1/4	4.0	1.8	1.0	
155	14,260 <i>4,180</i>	1,980 <i>3,370</i>	1	18 <i>457</i>	45 <i>13.5</i>	60 <i>18.5</i>	1/4	4.0	1.8	1.0	
245	22,540 <i>6,600</i>	4,140 <i>7,040</i>	2	18 <i>457</i>	45 <i>13.5</i>	60 <i>18.5</i>	1/4	8.0	3.6	2.0	
300	27,600 <i>8,080</i>	3,960 <i>6,730</i>	2	18 <i>457</i>	45 <i>13.5</i>	60 <i>18.5</i>	1/4	8.0	3.6	2.0	
365	33,580 <i>9,840</i>	6,210 <i>10,560</i>	3	18 <i>457</i>	45 <i>13.5</i>	60 <i>18.5</i>	1/4	12.0	5.4	3.0	
450	41,400 <i>12,130</i>	5,940 <i>10,100</i>	3	18 <i>457</i>	45 <i>13.5</i>	60 <i>18.5</i>	1/4	12.0	5.4	3.0	
510	46,920 <i>13,740</i>	8,280 <i>14,080</i>	4	18 <i>457</i>	45 <i>13.5</i>	60 <i>18.5</i>	1/4	16.0	7.2	4.0	
600	55,200 <i>16,170</i>	7,920 <i>13,460</i>	4	18 <i>457</i>	45 <i>13.5</i>	60 <i>18.5</i>	1/4	16.0	7.2	4.0	
710	65,320 <i>19,130</i>	9,450 <i>16,070</i>	5	18 <i>457</i>	45 <i>13.5</i>	60 <i>18.5</i>	1/4	—	9.0	5.0	

* Standard wire fan guards promote air diffusion; optional molded fan guards allow for extended air throw.

† Air throw data based on 12-ft. high ceilings with no obstructions where velocity drops to 50 FPM.

Electric Defrost Capacities

Models MLT6/MLT4 Electric Defrost 60 Hz.

Electric Defrost Model Size	Capacity BTUH / watts -10°F TD -20°F SST	Fan Data						Motor Data			Defrost Heaters						
		CFM / m³h	No.	Dia. in. / mm	*†Air Throw Ft./m		HP	Total Amps		Watts	Total Amps						
					Diffused (Std.)	Extended (Opt.)		208-230/ 1/60	460/ 1/60		208-230/ 1/60	208-230/ 3/60	460/ 1/60	460/ 3/60			
MLT6 (6 FPI Models)																	
101	10,100 <i>2,960</i>	2,350 <i>4,000</i>	1	18	<i>457</i>	50	65	<i>15</i>	<i>20</i>	1/4	1.8	1.0	2730	11.9	8.2	5.9	4.1
140	14,000 <i>4,100</i>	2,250 <i>3,830</i>	1	18	<i>457</i>	50	65	<i>15</i>	<i>20</i>	1/4	1.8	1.0	2730	11.9	8.2	5.9	4.1
190	19,000 <i>5,570</i>	4,700 <i>7,990</i>	2	18	<i>457</i>	50	65	<i>15</i>	<i>20</i>	1/4	3.6	2.0	5350	23.3	16.0	11.6	8.3
260	26,000 <i>7,620</i>	4,500 <i>7,650</i>	2	18	<i>457</i>	50	65	<i>15</i>	<i>20</i>	1/4	3.6	2.0	5350	23.3	16.0	11.6	8.3
310	31,000 <i>9,080</i>	7,050 <i>11,990</i>	3	18	<i>457</i>	50	65	<i>15</i>	<i>20</i>	1/4	5.4	3.0	7750	33.7	23.2	16.8	12.0
390	39,000 <i>11,420</i>	6,750 <i>11,480</i>	3	18	<i>457</i>	50	65	<i>15</i>	<i>20</i>	1/4	5.4	3.0	7750	33.7	23.2	16.8	12.0
430	43,000 <i>12,590</i>	8,800 <i>14,960</i>	4	18	<i>457</i>	50	65	<i>15</i>	<i>20</i>	1/4	7.2	4.0	10200	---	30.5	22.2	15.8
520	52,000 <i>15,230</i>	8,400 <i>14,280</i>	4	18	<i>457</i>	50	65	<i>15</i>	<i>20</i>	1/4	7.2	4.0	10200	---	30.5	22.2	15.8
620	62,000 <i>18,160</i>	10,000 <i>17,000</i>	5	18	<i>457</i>	50	65	<i>15</i>	<i>20</i>	1/4	9.0	5.0	11600	---	34.7	25.2	18.1
MLT4 (4 FPI Models)																	
100	10,000 <i>2,930</i>	2,325 <i>3,950</i>	1	18	<i>457</i>	50	65	<i>15</i>	<i>20</i>	1/4	1.8	1.0	2730	11.9	8.2	5.9	4.1
165	16,500 <i>4,830</i>	4,900 <i>8,330</i>	2	18	<i>457</i>	50	65	<i>15</i>	<i>20</i>	1/4	3.6	2.0	5350	23.3	16.0	11.6	8.3
220	22,000 <i>6,440</i>	4,650 <i>7,910</i>	2	18	<i>457</i>	50	65	<i>15</i>	<i>20</i>	1/4	3.6	2.0	5350	23.3	16.0	11.6	8.3
250	25,000 <i>7,320</i>	7,350 <i>12,500</i>	3	18	<i>457</i>	50	65	<i>15</i>	<i>20</i>	1/4	5.4	3.0	7750	33.7	23.2	16.8	12.0
330	33,000 <i>9,670</i>	6,975 <i>11,860</i>	3	18	<i>457</i>	50	65	<i>15</i>	<i>20</i>	1/4	5.4	3.0	7750	33.7	23.2	16.8	12.0
370	37,000 <i>10,840</i>	9,100 <i>15,470</i>	4	18	<i>457</i>	50	65	<i>15</i>	<i>20</i>	1/4	7.2	4.0	10200	---	30.5	22.2	15.8
440	44,000 <i>12,890</i>	8,700 <i>14,790</i>	4	18	<i>457</i>	50	65	<i>15</i>	<i>20</i>	1/4	7.2	4.0	10200	---	30.5	22.2	15.8
530	53,000 <i>15,520</i>	10,350 <i>17,600</i>	5	18	<i>457</i>	50	65	<i>15</i>	<i>20</i>	1/4	9.0	5.0	11600	---	34.7	25.2	18.1

* Standard wire fan guards promote air diffusion; optional molded fan guards allow for extended air throw.

† Air throw data based on 12-ft. high ceilings with no obstructions where velocity drops to 50 FPM.

Models MLT6/MLT4 Electric Defrost 50 Hz.

Electric Defrost Model Size	Capacity BTUH / watts 6°C TD -29°C SST	Fan Data						Motor Data			Defrost Heaters				
		CFM / m³h	No.	Dia. in. / mm	*†Air Throw Ft. / m		HP	Total Amps		Watts	Total Amps				
					Diffused (Standard)	Extended (Optional)		220/ 1/50	380/ 1/50		220/ 1/50	380/ 3/50			
MLT6 (6 FPI Models)															
101	8,832 <i>2,590</i>	2,115 <i>3,600</i>	1	18	<i>457</i>	45	60	<i>13.5</i>	<i>18.5</i>	1/4	1.8	1.0	2510	11.4	3.4
140	12,236 <i>3,580</i>	2,025 <i>3,440</i>	1	18	<i>457</i>	45	60	<i>13.5</i>	<i>18.5</i>	1/4	1.8	1.0	2510	11.4	3.4
190	16,652 <i>4,880</i>	4,230 <i>7,190</i>	2	18	<i>457</i>	45	60	<i>13.5</i>	<i>18.5</i>	1/4	3.6	2.0	4910	22.3	6.9
260	22,724 <i>6,660</i>	4,050 <i>6,890</i>	2	18	<i>457</i>	45	60	<i>13.5</i>	<i>18.5</i>	1/4	3.6	2.0	4910	22.3	6.9
310	27,140 <i>7,950</i>	6,345 <i>10,790</i>	3	18	<i>457</i>	45	60	<i>13.5</i>	<i>18.5</i>	1/4	5.4	3.0	7090	32.2	9.9
390	34,132 <i>10,000</i>	6,075 <i>10,330</i>	3	18	<i>457</i>	45	60	<i>13.5</i>	<i>18.5</i>	1/4	5.4	3.0	7090	32.2	9.9
430	37,628 <i>11,020</i>	7,920 <i>13,460</i>	4	18	<i>457</i>	45	60	<i>13.5</i>	<i>18.5</i>	1/4	7.2	4.0	9340	---	13.1
520	45,448 <i>13,310</i>	7,560 <i>12,850</i>	4	18	<i>457</i>	45	60	<i>13.5</i>	<i>18.5</i>	1/4	7.2	4.0	9340	---	13.1
620	54,188 <i>15,870</i>	9,000 <i>15,300</i>	5	18	<i>457</i>	45	60	<i>13.5</i>	<i>18.5</i>	1/4	9.0	5.0	10620	---	15.0
MLT4 (4 FPI Models)															
100	8,740 <i>2,560</i>	2,093 <i>3,560</i>	1	18	<i>457</i>	45	60	<i>13.5</i>	<i>18.5</i>	1/4	1.8	1.0	2510	11.4	3.4
165	14,444 <i>4,230</i>	4,410 <i>7,500</i>	2	18	<i>457</i>	45	60	<i>13.5</i>	<i>18.5</i>	1/4	3.6	2.0	4910	22.3	6.9
220	19,228 <i>5,630</i>	4,185 <i>7,120</i>	2	18	<i>457</i>	45	60	<i>13.5</i>	<i>18.5</i>	1/4	3.6	2.0	4910	22.3	6.9
250	21,896 <i>6,410</i>	6,615 <i>11,250</i>	3	18	<i>457</i>	45	60	<i>13.5</i>	<i>18.5</i>	1/4	5.4	3.0	7090	32.2	9.9
330	28,888 <i>8,460</i>	6,278 <i>10,670</i>	3	18	<i>457</i>	45	60	<i>13.5</i>	<i>18.5</i>	1/4	5.4	3.0	7090	32.2	9.9
370	32,384 <i>9,490</i>	8,190 <i>13,920</i>	4	18	<i>457</i>	45	60	<i>13.5</i>	<i>18.5</i>	1/4	7.2	4.0	9340	---	13.1
440	38,456 <i>11,260</i>	7,830 <i>13,310</i>	4	18	<i>457</i>	45	60	<i>13.5</i>	<i>18.5</i>	1/4	7.2	4.0	9340	---	13.1
530	46,368 <i>13,580</i>	9,315 <i>15,840</i>	5	18	<i>457</i>	45	60	<i>13.5</i>	<i>18.5</i>	1/4	9.0	5.0	10620	---	15.0

* Standard wire fan guards promote air diffusion; optional molded fan guards allow for extended air throw.

† Air throw data based on 12-ft. high ceilings with no obstructions where velocity drops to 50 FPM.

Hot Gas Defrost Capacities

Models MLG6 / MLG4 60 Hz.

Hot Gas Defrost Model Size	Capacity BTUH / watts 10°F TD -20°F SST	Fan Data						Motor Data				Drain Pan Heater (Standard)		
		CFM / m ³ h	No.	Dia. in. / mm	*† Air Throw Ft. / m		HP	Total Amps			Watts	Total Amps		
					Diffused (Std.)	Extended (Opt.)		115/ 1/60	208-230 /1/60	460/ 1/60		115/ 1/60	208-230 /1/60	460/ 1/60
MLG6 (6 FPI Models)														
190	19,000 5,570	4,700 7,990	2	18 457	50 15	65 20	1/4	8.0	3.6	2.0	950	8.3	4.1	2.1
260	26,000 7,620	4,500 7,650	2	18 457	50 15	65 20	1/4	8.0	3.6	2.0	950	8.3	4.1	2.1
310	31,000 9,080	7,050 11,990	3	18 457	50 15	65 20	1/4	12.0	5.4	3.0	1350	11.7	5.9	2.9
390	39,000 11,420	6,750 11,480	3	18 457	50 15	65 20	1/4	12.0	5.4	3.0	1350	11.7	5.9	2.9
430	43,000 12,590	8,800 14,960	4	18 457	50 15	65 20	1/4	16.0	7.2	4.0	1800	15.7	7.8	3.9
520	52,000 15,230	8,400 14,280	4	18 457	50 15	65 20	1/4	16.0	7.2	4.0	1800	15.7	7.8	3.9
MLG4 (4 FPI Models)														
165	16,500 4,830	4,900 8,330	2	18 457	50 15	65 20	1/4	8.0	3.6	2.0	950	8.3	4.1	2.1
220	22,000 6,440	4,650 7,910	2	18 457	50 15	65 20	1/4	8.0	3.6	2.0	950	8.3	4.1	2.1
250	25,000 7,320	7,350 12,500	3	18 457	50 15	65 20	1/4	12.0	5.4	3.0	1350	11.7	5.9	2.9
330	33,000 9,670	6,975 11,860	3	18 457	50 15	65 20	1/4	12.0	5.4	3.0	1350	11.7	5.9	2.9
370	37,000 10,840	9,100 15,470	4	18 457	50 15	65 20	1/4	16.0	7.2	4.0	1800	15.7	7.8	3.9
440	44,000 12,890	8,700 14,790	4	18 457	50 15	65 20	1/4	16.0	7.2	4.0	1800	15.7	7.8	3.9

* Standard molded fan guards allow for extended air throw; optional wire guards promote air diffusion.

† Air throw data based on 12-ft. high ceilings with no obstructions where velocity drops to 50 FPM.

Capacity Correction Factors for Electric and Hot Gas Defrost Units

Saturated Suction Temperature °F	+20	-10	-20	-30	-40
Saturated Suction Temperature °C	-7	-23	-29	-34	-40
Multiply Capacity By	1.15	1.02	1.00	0.90	0.80

Physical Data

Air Defrost Physical Data

MMT6 Model Size	No. of Fans	Connections (Inches)				Approx. Net Weight	
		Coil Inlet	Suction	External Equalizer	Drain	Lbs	Kg
130	1	1/2 ODF	7/8 ODF	1/4 ODF	3/4 FPT	115	52
155	1	1/2 ODF	1-1/8 ODF	1/4 ODF	3/4 FPT	123	56
245	2	7/8 ODF	1-1/8 ODF	1/4 ODF	3/4 FPT	134	61
300	2	7/8 ODF	1-1/8 ODF	1/4 ODF	3/4 FPT	148	67
365	3	7/8 ODF	1-3/8 ODF	1/4 ODF	3/4 FPT	200	91
450	3	1-1/8 ODF*	1-3/8 ODF	1/4 ODF	3/4 FPT	227	103
510	4	1-1/8 ODF*	1-5/8 ODF	1/4 ODF	3/4 FPT	230	104
600	4	1-1/8 ODF*	1-5/8 ODF	1/4 ODF	3/4 FPT	255	116
710	5	1-1/8 ODF*	1-5/8 ODF	1/4 ODF	3/4 FPT	285	129

Electric Defrost Physical Data

Model Size	No. of Fans	FPI	Connections (Inches)				Approx. Net Weight	
			Coil Inlet	Suction	External Equalizer	Drain	Lbs	Kg
MLT6 (6 FPI Models)								
101	1	6	1/2 ODF	7/8 ODF	1/4 ODF	3/4 FPT	118	54
140	1	6	1/2 ODF	7/8 ODF	1/4 ODF	3/4 FPT	126	57
190	2	6	7/8 ODF	1 1/8 ODF	1/4 ODF	3/4 FPT	138	63
260	2	6	1 1/8 ODF*	1 3/8 ODF	1/4 ODF	3/4 FPT	153	69
310	3	6	1 1/8 ODF*	1 3/8 ODF	1/4 ODF	3/4 FPT	210	95
390	3	6	1 1/8 ODF*	1 3/8 ODF	1/4 ODF	3/4 FPT	237	108
430	4	6	1 1/8 ODF*	1 5/8 ODF	1/4 ODF	3/4 FPT	267	121
520	4	6	1 1/8 ODF*	1 5/8 ODF	1/4 ODF	3/4 FPT	300	136
620	5	6	1 1/8 ODF*	1 5/8 ODF	1/4 ODF	3/4 FPT	338	153
MLT4 (4 FPI Models)								
100	1	4	1/2 ODF	7/8 ODF	1/4 ODF	3/4 FPT	125	56
165	2	4	7/8 ODF	1 1/8 ODF	1/4 ODF	3/4 FPT	136	62
220	2	4	1 1/8 ODF*	1 3/8 ODF	1/4 ODF	3/4 FPT	151	68
250	3	4	1 1/8 ODF*	1 3/8 ODF	1/4 ODF	3/4 FPT	207	94
330	3	4	1 1/8 ODF*	1 3/8 ODF	1/4 ODF	3/4 FPT	234	106
370	4	4	1 1/8 ODF*	1 5/8 ODF	1/4 ODF	3/4 FPT	262	119
440	4	4	1 1/8 ODF*	1 5/8 ODF	1/4 ODF	3/4 FPT	295	134
530	5	4	1 1/8 ODF*	1 5/8 ODF	1/4 ODF	3/4 FPT	332	151

* Supplied with adapter to 7/8 ODF

Physical Data

Hot Gas Defrost Physical Data

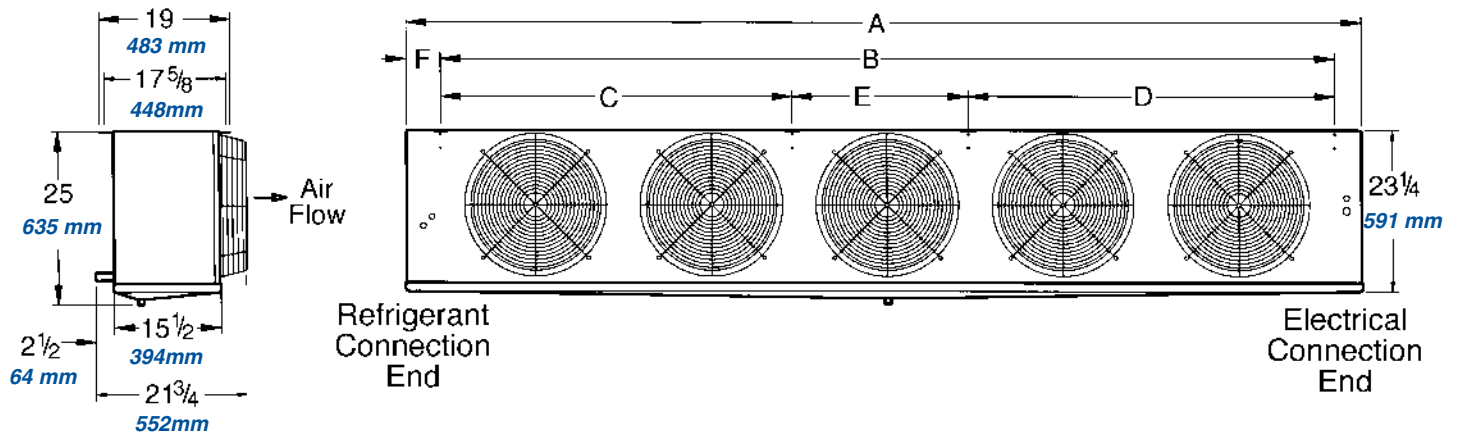
Model Size	No. of Fans	FPI	Connections (Inches)						Approximate Net Weight	
			Coil Inlet	Suction	External Equalizer	Drain	Side Port	Hot Gas Pan Conns.**	Lbs	Kg
MLG6 (6 FPI Models)										
190	2	6	1 ¹ / ₈ ODF*	1 ¹ / ₈ ODF	1 ¹ / ₄ ODF	3 ³ / ₄ FPT	5 ⁵ / ₈ ODF	7 ⁷ / ₈ ODF	175	79
260	2	6	1 ¹ / ₈ ODF*	1 ³ / ₈ ODF	1 ¹ / ₄ ODF	3 ³ / ₄ FPT	5 ⁵ / ₈ ODF	7 ⁷ / ₈ ODF	190	86
310	3	6	1 ³ / ₈ ODF*	1 ³ / ₈ ODF	1 ¹ / ₄ ODF	3 ³ / ₄ FPT	7 ⁷ / ₈ ODF	7 ⁷ / ₈ ODF	210	95
390	3	6	1 ³ / ₈ ODF*	1 ³ / ₈ ODF	1 ¹ / ₄ ODF	3 ³ / ₄ FPT	7 ⁷ / ₈ ODF	7 ⁷ / ₈ ODF	237	108
430	4	6	1 ³ / ₈ ODF*	1 ⁵ / ₈ ODF	1 ¹ / ₄ ODF	3 ³ / ₄ FPT	7 ⁷ / ₈ ODF	7 ⁷ / ₈ ODF	267	121
520	4	6	1 ³ / ₈ ODF*	1 ⁵ / ₈ ODF	1 ¹ / ₄ ODF	3 ³ / ₄ FPT	7 ⁷ / ₈ ODF	7 ⁷ / ₈ ODF	300	136
MLG4 (4 FPI Models)										
165	2	4	1 ¹ / ₈ ODF*	1 ¹ / ₈ ODF	1 ¹ / ₄ ODF	3 ³ / ₄ FPT	5 ⁵ / ₈ ODF	7 ⁷ / ₈ ODF	173	78
220	2	4	1 ¹ / ₈ ODF*	1 ³ / ₈ ODF	1 ¹ / ₄ ODF	3 ³ / ₄ FPT	5 ⁵ / ₈ ODF	7 ⁷ / ₈ ODF	188	85
250	3	4	1 ³ / ₈ ODF*	1 ³ / ₈ ODF	1 ¹ / ₄ ODF	3 ³ / ₄ FPT	7 ⁷ / ₈ ODF	7 ⁷ / ₈ ODF	207	94
330	3	4	1 ³ / ₈ ODF*	1 ³ / ₈ ODF	1 ¹ / ₄ ODF	3 ³ / ₄ FPT	7 ⁷ / ₈ ODF	7 ⁷ / ₈ ODF	234	106
370	4	4	1 ³ / ₈ ODF*	1 ⁵ / ₈ ODF	1 ¹ / ₄ ODF	3 ³ / ₄ FPT	7 ⁷ / ₈ ODF	7 ⁷ / ₈ ODF	262	119
440	4	4	1 ³ / ₈ ODF*	1 ⁵ / ₈ ODF	1 ¹ / ₄ ODF	3 ³ / ₄ FPT	7 ⁷ / ₈ ODF	7 ⁷ / ₈ ODF	295	134

* Supplied with adapter to 7/8 ODF

** Supplied with electric drain pan heater as standard, hot gas pan is optional.

Dimensional Data

Dimensions



Dimensional Data

MMT6 Air Defrost Models	6 FPI Models Defrosts		4 FPI Models Defrosts		Dimensions (In. / mm)					
	Elec. MLT6	Hot Gas MLG6	Elec. MLT4	Hot Gas MLG4	A	B	C	D	E	F
	130	101	---	---	---	41 ⁵ / ₁₆ 1,050	30 ¹ / ₄ 768	—	—	—
155	140	---	100	---	41 ⁵ / ₁₆ 1,050	30 ¹ / ₄ 768	—	—	—	5 ⁹ / ₁₆ 141
245	190	190	165	165	69 ⁵ / ₁₆ 1,761	58 ¹ / ₄ 1,480	—	—	—	5 ⁹ / ₁₆ 141
300	260	260	220	220	69 ⁵ / ₁₆ 1,761	58 ¹ / ₄ 1,480	—	—	—	5 ⁹ / ₁₆ 141
365	310	310	250	250	97 ⁵ / ₁₆ 2,472	86 ¹ / ₄ 2,191	—	—	—	5 ⁹ / ₁₆ 141
450	390	390	330	330	97 ⁵ / ₁₆ 2,472	86 ¹ / ₄ 2,191	—	—	—	5 ⁹ / ₁₆ 141
510	430	430	370	370	125 ⁵ / ₁₆ 3,183	114 ¹ / ₄ 2,902	56 1,422	58 ¹ / ₄ 1,480	—	5 ⁹ / ₁₆ 141
600	520	520	440	440	125 ⁵ / ₁₆ 3,183	114 ¹ / ₄ 2,902	56 1,422	58 ¹ / ₄ 1,480	—	5 ⁹ / ₁₆ 141
710	620	---	530	---	138 ¹³ / ₁₆ 3,526	129 ³ / ₄ 3,296	51 1,295	53 ¹ / ₄ 1,353	25 ¹ / ₂ 648	5 ¹ / ₁₆ 129

NOTE: Evaporator mounting brackets accept up to 1/2" hanger rod.

Replacement Parts

Motor / Fan Blade / Guards

Part Number	Description
5020-SS	Motor 115V
5020-TS	Motor 208-230V
4567-T	Motor 208-230V Totally Enclosed
25302201	Motor 460V
25304601*	Motor 460V Low Temp Totally Enclosed
25308101*	Motor 208-230V Low Temp Totally Enclosed
5599-M	Run Capacitor
5931-H	Motor 575V
5064-E	Motor Mount
5130-C	Fan Blade
2310022	Fan Guard Molded Blue
23101802	Fan Guard Blue Wire

* Special motors to be used in room ambients -35°F to -55°F.

Coil Defrost Heaters (Four employed per unit)

Part Number	Description
24710201	1 fan unit, 550W
24710202	2 fan unit, 1100W
24710203	3 fan unit, 1600W
24710204	4 fan unit, 2100W
24710205	5 fan unit, 2400W
23308001	Heater Clip (with 1-3 fans)
23308101	Heater Clip (with 4-5 fans)

Cabinet Components

Part Number	Description	No. of Fans
40492002	Drain Pan*	1
40492202	Drain Pan*	2
40492402	Drain Pan*	3
40492602	Drain Pan*	4
40492802	Drain Pan*	5
40830301	Header Side Panel	1 - 4
40830401	Electrical Side Panel	1 - 4
40830102	Header Side Panel	5
40830202	Electrical Side Panel	5
40830902	Header Connection Panel	1 - 5
92864003	Drain Fitting	1 - 5

* Includes provision to mount drain pan heater

Electrical Components

Part Number	Description
4131-Y	Room thermostat
2890109	Defrost term. and fan delay thermostat adjustable type

Note: Contact factory for hot gas defrost components not listed.

Drain Pan Defrost Heater (One employed per unit)

Part Number	Description	Voltage	Color Code
24710301	1 fan unit, 530W	208-230V	Black
24710302	2 fan unit, 950W	208-230V	Black
24710303	3 fan unit, 1350W	208-230V	Black
24710304	4 fan unit, 1800W	208-230V	Black
24710305	5 fan unit, 2000W	208-230V	Black
24710401	1 fan unit, 530W	460V	Red
24710402	2 fan unit, 950W	460V	Red
24710403	3 fan unit, 1350W	460V	Red
24710404	4 fan unit, 1800W	460V	Red
24710405	5 fan unit, 2000W	460V	Red
24710502	2 fan unit, 950W	115V	Black, White
24710503	3 fan unit, 1350W	115V	Black, White
24710504	4 fan unit, 1800W	115V	Black, White

Standard Nozzle Selections

STANDARD NOZZLE SELECTIONS (INCLUDED WITH UNIT FOR FIELD INSTALLATION)

Type	No. of Fans	Distributor Tube		Model	# Circuits	HFC-404A* Nozzle	HCFC-22 Nozzle
		OD	Length				
Air Defrost	1	3/16	21 1/2	130	3	L-1	L-3/4
				155	5	L-1	L-3/4
	2	3/16	21 1/2	245	9	G-2 1/2	G-1 1/2
				300	9	G-2 1/2	G-1 1/2
	3	3/16	21 1/2	365	9	G-3	G-2
				450	12	E-4	E-2 1/2
	4	3/16	21 1/2	510	13	E-5	E-3
				600	18	E-5	E-3
	5	3/16	21 1/2	710	18	E-6	E-4
	Electric Defrost	1	3/16	21 1/2	101	5	L-1 1/2
100/140					6	L-1 1/2	L-1
2		3/16	21 1/2	165 / 190	9	G-2 1/2	G-1-1/2
				220 / 260	12	E-3	E-2
3		3/16	21 1/2	250 / 310	13	E-4	E-2 1/2
				330 / 390	18	E-5	E-3
4		3/16	21 1/2	370 / 430	13	E-5	E-3
				440 / 520	18	E-6	E-4
5		3/16	21 1/2	530 / 620	18	E-8	E-5
Hot Gas Defrost		2	1/4	19 1/2	165 / 190	9	E-3
	220 / 260				12	E-4	E-2-1/2
	3	1/4	19 1/2	250 / 310	13	C-4	C-2 1/2
				330 / 390	18	C-6	C-3
	4	1/4	19 1/2	370 / 430	13	C-6	C-4
				440 / 520	18	C-8	C-5

*also suitable for HFC-507, CFC-502, HFC-134a, HCFC-401A, HCFC-402A.

Nozzles sized for 90° - 100° F. liquid temp. at expansion valve. Refer to I & O manual if liquid temp. is not 90° - 100° F.

Consult factory or representative if evaporator TD is not 10° - 15° F., (room temp. - saturated suction temp.). Consult factory or representative for electric and hot gas defrost models when used at a saturated suction temperature greater than 0° F.

NOTE: REFRIGERATION SYSTEM WILL NOT PERFORM PROPERLY WITHOUT CORRECT NOZZLE!

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



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