

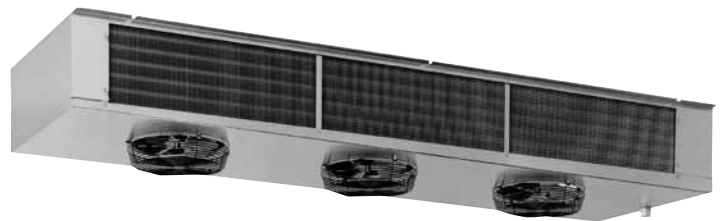


Low Air Velocity Unit Cooler

Great Design — Featuring

- 9 Models - 5000 to 34000 BTUH
- Ultra-Quiet Motor Mounting
- Stucco Aluminum Casing
- Ideal for - Fresh Fruits & Vegetables
Meat Prep Rooms
Floral Storage

Now available with EC Motors
High Efficiency / High Reliability



Standard Features

Easy Installation

- UL Sanitation listed
- Flush ceiling mount
- Pitched drain pan for level mounting

Full Service Accessibility

- Hinged drain pan
- Removable end panels

U-Section Fan Motor Mounting Rail

- Ultra-quiet motor operation
- Heavy galvanized steel
- Mounted to end plates and tube sheets
- Adds to unit structural strength

All Factory Wiring Run to Numbered Strip

Circuited for New Refrigerants

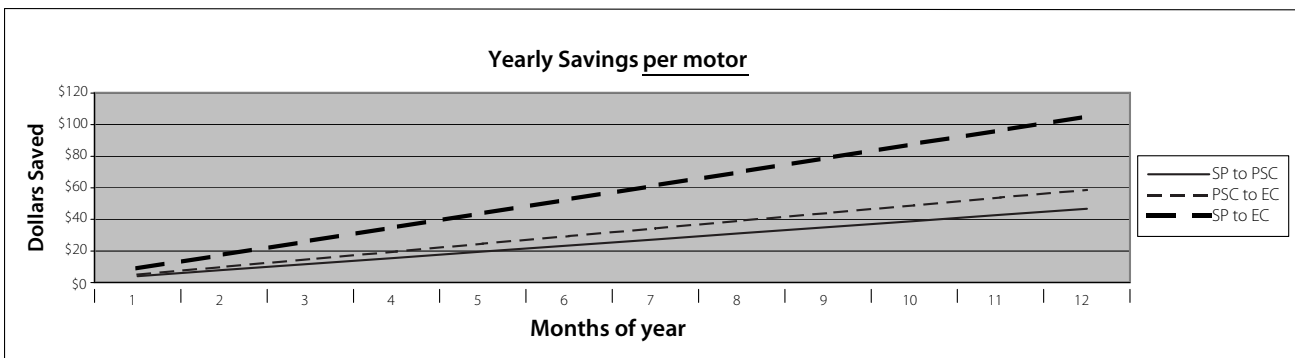
Internal Expansion Valve Mounting

ENERGY SAVINGS per MOTOR

achieved by changing to more efficient unit cooler motors (based on Energy Cost of \$0.10 per kWh)

Motor Change	Std Motor Power Watts/Mtr	"Change to" Motor Power Watts/Mtr	Reduced Power Watts/Mtr	Run Time Hrs/ Day	Motor Energy Savings kWh/Yr	Motor Energy Savings \$/Yr	Reduced Box Load MBTU/Yr	Cond. Unit EER	Cond. Unit Energy Savings kWh/Yr	Cond. Unit Energy Savings \$/Yr	Yearly Savings \$/Yr	Payback Yrs
SP to PSC	120	85	35	22	281	28	\$958.94	5.2	\$184.41	\$18.44	46	0.7
PSC to EC	85	41	44	22	353	35	\$1,205.53	5.2	\$231.83	\$23.18	58	1.1
SP to EC	120	41	79	22	634	63	\$2,164.47	5.2	\$416.24	\$41.62	105	0.9

SP = Shaded Pole Motors PSC = Permanent Split Capacitor Motors EC = Electronically Commutated Motors



Performance Data

MODEL NUMBER	CFM	Capacity in BTUH						
		General Cooler Applications*			Prep Rooms @ 30° Evaporator Temperature			
		30° to 45° Room Temperature			50° DB/55% RH		55° DB/55% RH	
		10° TD	12° TD	15° TD	Sensible Clg.	Total Clg.	Sensible Clg.	Total Clg.
050M	580	5000	6000	7500	9500	10500	11600	14500
075M	800	7500	9000	11250	14200	16200	17400	22200
100M	1110	10000	12000	15000	19000	21200	23200	29100
130M	1720	13000	15600	19500	24700	27600	30200	37800
160M	1720	16000	19200	24000	30400	35100	37200	47600
190M	2330	19000	22800	28500	36100	41000	44100	55900
220M	2290	22000	26400	33000	41800	48300	51100	65500
270M	2860	27000	32400	40500	51300	59500	62700	80500
340M	3420	34000	40800	51000	64600	75200	79000	10170

Ordering Information

All stock unit coolers are circuited for operation from 9° to 12° TD.

Special circuiting may be required for other TD's. Please contact factory.

Please Specify:

- Model Number
- Motor Type
- Motor electrical-volts/hertz/phase
- Heater electrical-volts/phase
- Evaporator temperature - °F
- Design TD or operating capacity
- Liquid temp. at TX valve
(100° F is standard)
- Refrigerant

Applications

EFA units are suitable for rooms +35° F & above
EFE & EFG units are suitable for rooms +28° F & above

Refrigerants

All stock units are suitable for R-22, 134a, 404A, 502, 507, R401A (MP-39) and R402A (HP80)

50 Hertz Power

Divide the BTUH requirement by 0.92, then select the unit cooler directly from the table above.

Air Throw

Up to 15 feet based on 9' ceiling and no obstructions

Electrical Data

MODEL NUMBER	No. Motors	SHADED POLE MOTOR DATA						PSC MOTOR DATA				EC MOTOR DATA			
		115/1/60*		208-230/1/60		460/1/60**		115/1/60*		208-230/1/60		115/1/60*		208-230/1/60	
		TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	
		AMPS	WATTS	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS	AMPS	WATTS
050M	1	1.9	120	1.0	120	0.54	120	1.0	85	0.5	85	0.68	41	0.34	41
075M	2	3.8	240	2.0	240	1.08	240	2.0	170	1.0	170	1.36	82	0.68	82
100M	2	3.8	240	2.0	240	1.08	240	2.0	170	1.0	170	1.36	82	0.68	82
130M	3	5.7	360	3.0	360	1.62	360	3.0	255	1.5	255	2.04	123	1.02	123
160M	3	5.7	360	3.0	360	1.62	360	3.0	255	1.5	255	2.04	123	1.02	123
190M	4	7.6	480	4.0	480	2.16	480	4.0	340	2.0	340	2.72	164	1.36	164
220M	4	7.6	480	4.0	480	2.16	480	4.0	340	2.0	340	2.72	164	1.36	164
270M	5	9.5	600	5.0	600	2.70	600	5.0	425	2.5	425	3.40	205	1.70	205
340M	6	11.4	720	6.0	720	3.24	720	6.0	510	3.0	510	4.08	205	2.04	205

Model Number	Defrost Heater Data		
	AMPS - 60 HZ		Total Watts
	208-230V 1 Ph	460V 1 Ph	
ELL 050M	4.3	2.2	1000
ELL 075M	4.3	2.2	1000
ELL 100M	4.3	2.2	1000
ELL 130M	10.4	5.2	2400
ELL 160M	10.4	5.2	2400
ELL 190M	10.4	5.2	2400
ELL 220M	10.4	5.2	2400
ELL 270M	17.4	8.7	4000
ELL 340M	21.7	10.9	5000

* 115v/1 Not Available for electric defrost models

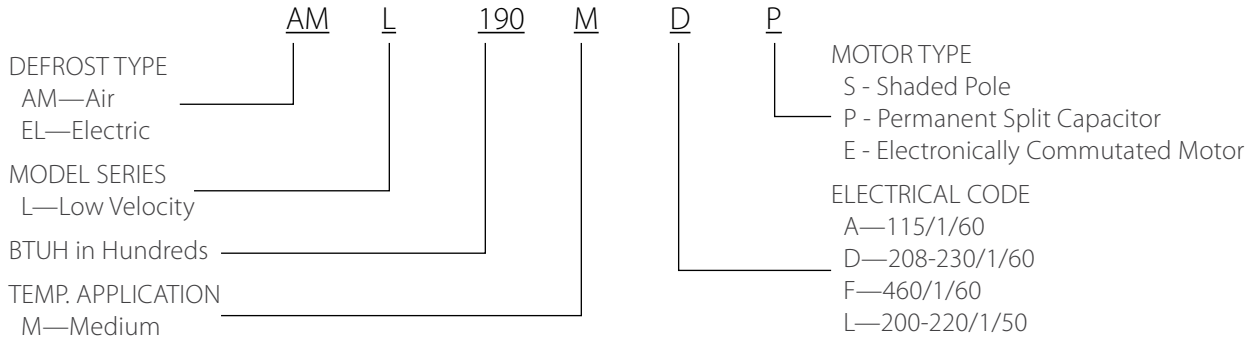
** 460/1 Not available for PSC or EC motors

50 Hertz Power

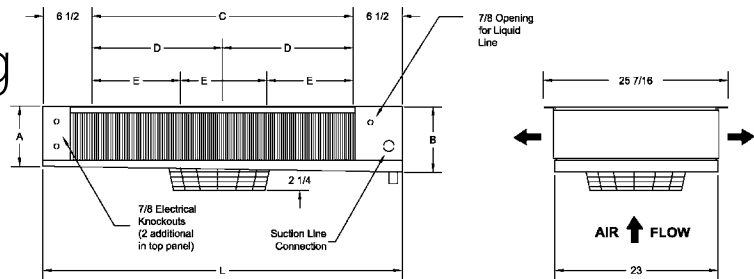
208-230 volt units are suitable for 50 HZ voltage from 187-220. Contact factory if job site voltage is beyond this range.

50 HZ motor watts = 60 HZ. motor watts x 0.83

Nomenclature



Dimensional Drawing



Dimensional Data

Model Size	Dimensions in Inches						Suction Conn.* ODM	Approx. R-22 Charge	Approx. Shipping Weight
	A	B	Mounting Slot Centers			L			
			C	D	E				
050M	7	7 1/2	35	—	—	48	7/8	2.6	76
075M	7	7 3/4	54	—	—	67	7/8	5.0	117
100M	7	7 3/4	54	—	—	67	7/8	5.0	120
130M	8 1/2	9 3/8	—	36	—	85	1 1/8	6.1	149
160M	10	10 7/8	—	36	—	85	1 1/8	9.8	171
190M	13	13 7/8	—	36	—	85	1 1/8	9.8	182
220M	13	13 7/8	—	36	—	85	1 1/8	13.0	201
270M	13	14	—	41 1/2	—	96	1 3/8	14.9	260
340M	13	14 1/4	—	—	35 11/16	120	1 3/8	17.7	344

*Other Connection Sizes

Liquid — 1/2" ODM Ext. Equal. — 1/4" ODM

Drain — 3/4" FPT

Specifications weights and dimensions are subject to change without notice



SOLUTIONS

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