# McQuay Type EA Incremental<sup>®</sup> Air Conditioner and Heat Pump

Model PMEG, PMES, PMRS





Catalog

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### Introduction

Some thirty years ago a man named Herb Laube had the notion that a multi-space building could be heated and cooled much more efficiently with a small air conditioning plant in each space than it could with a large central unit, air handlers and lots of ductwork. His idea was a number of small conditioners that were quiet, dependable, and unobtrusive. When thought of as a system, the incremental units could handle a building of unlimited size. He called his product "Incremental," and established a company named "Remington." This was the original packaged terminal unit.

Herb's idea was no doubt ahead of its time, and the years have in fact proven its value. The McQuay and Incremental names have come to be synonymous with quality.

McQuay Incremental equipment is designed for four-season comfort conditioning. It uses electricity for cooling and electricity, steam or hot water for heating. The system permits a high degree of design freedom for new structures, as well as an easily installed means of converting existing buildings to year-round heating and cooling, with individual room-by-room control of comfort levels.

McQuay Type EA Incremental conditioners have been designed to reduce installing costs, while simultaneously providing superior performance, and service. With a through-the-wall dimension of only  $16^{3}/_{8}$ " high and  $44^{7}/_{8}$ " wide (416mm x 1140mm), Type EA conditioners represent a high degree of compactness for in-the-wall heating-cooling equipment.

Modularity of components and ease of assembly are also among the outstanding features of the Type EA Incremental conditioner. And its simplicity of operation comes almost naturally to any user.

Typical office building application



### McQuay Type EA Incremental<sup>®</sup> Applications

#### **Commercial Office Buildings**

Throughout the United States, Canada, and many other countries, Incremental conditioners provide individual, office-by-office temperature control. Not only are older buildings rapidly rented to capacity after air conditioning with Incremental conditioners, but new buildings cost less to build when planning begins with Incremental conditioners. Building owners report as much as an entire extra floor becomes rentable when there's no need for central machinery rooms or costly ductwork.

#### Motels and Hotels

Motels and hotels have become one of the largest users of Incremental conditioners because every guest has a different comfort level. With Incremental conditioners every guest has personal, individual control of his own comfort. Air is not recirculated between rooms, and the controls are easy to operate. Owners and operators, on the other hand, discover amazingly low first costs, inexpensive maintenance, and no need for an operating engineer. Maintenance and operating costs are less than any comparable H.V.A.C. System, and first cost is less than any other complete, four-season air conditioning system.

#### **Apartment Buildings**

These types of installations, whether planned from the beginning or modernized with Incremental conditioners, can provide absolute control of comfort and temperature for every tenant at all times, particularly during the spring and fall seasons. Individual metering of each apartment properly allocates costs for benefits received, and no valuable floor space is occupied by central machinery. Equipment is designed for quiet operation, low maintenance, and a 20-year life expectancy.

#### **Nursing Home and Hospital**

Time after time, health care management has found Incremental conditioners superior to other systems. Superior comfort, cleanliness, and convenience are frequently cited as major benefits, along with the elimination of pipes, ducts, central mechanical rooms and cooling towers. Individual room control permits selection of the temperature best suited to the needs of patients — for example, high temperature for a diabetic in one room, and simultaneous cooling for a cardiac patient in the adjoining room.





### **Features and Benefits**

McQuay Type EA Incremental <sup>®</sup> Conditioner	What it Does For You
Heating-Cooling chassis – Designed and engineered to slide in and plug in as a single assembly, it can be removed without the use of tools.	On-site service is simple, and replacement with a spare is rapid if remote service is required.
Hurricane-proof construction – Type EA conditioners utilize a one-piece, steel bulkhead and base pan. The wall sleeve includes a permanently bonded double sealing rubber gasket which mates with the bulkhead perimeter, creating a tight weather seal.	Prevents water from penetrating the unit under hurricane conditions. Type EA conditioners meet the same hurricane test conditions required of today's metal curtain walls used in high-rise construction.
<b>Control flexibility</b> – Manual changeover is standard on all models. Two speeds for both heating and cooling, and a separate toggle switch allows for selection of cycle or constant fan operation. Optional controls include night setback and guest room control.	Easy to operate. Two speeds allow for rapid room conditioning in any season. Optional night setback and guest room control provide operating economy in motels and hotels.
Hermetically sealed rotary compressor – Double vibration isolated, and all compressors are thermally protected.	Quiet operation, and built to meet engineering specifications and design standards. The compressor has an endurance measurable in decades.
<b>Outdoor louver</b> – Made of anodized aluminum, the louver comes in a flush stamped style. Extruded architectural, and flanged stamped types are also available.	Provides a clean architecturally pleasing look.
<b>Centrifugal aluminum fans –</b> Large diameter fan wheels are provided for both the evaporator and condenser sides and are dynamically and statically balanced. Both evaporator and condenser fans are driven by a single, quiet and efficient PSG motor nested in the evaporator fan.	Trouble-free, quiet operation. A separate condenser fan motor, vulnerable to weather and corrosion, has been completely eliminated.
<b>Combination room cabinet and wall sleeve</b> – Constructed of heavy-gauge, zinc coated phosphatized steel and finished with Antique Ivory powder paint for maximum corrosion protection.	Reduces installation time (and cost), this combination cabinet/wall sleeve successfully eliminates the need for a separate wall box.
<b>Front Panel –</b> Modern styling and ingenious design have resulted in the exclusive, multi-purpose front panel. Four-way room air return around its periphery.	Return air design eliminates unsightly, dust-catching grilles, and permits flat-on-the-floor installation. Allows easy access to the permanent, cleanable aluminum mesh filter mounted on its reverse side. Hinging device permits full access to the heating-cooling chassis.
<b>Four-position steel discharge grilles</b> – Constructed of decorative, extruded aluminum, available as an option.	Grilles can be easily arranged to provide the proper air distribution for the room.
<b>Positive condensate removal</b> – A unique centrifugal fan powered system distributes condensate uniformly over the condenser coil for complete evaporation.	Eliminates the spatter, noise, and freeze-up of the propeller fan and slinger ring devices often used in low cost equipment. Condensate never comes in contact with the fan or condenser motor.

Positive condensate removal



### **McQuay Type EA Incremental® Conditioner**



Front Panel - 4-way Return Air design around its periphery



#### Control Panel



## **Dimensional Data**

### PMES – Air Conditioner With Electric Heat / PMRS – Heat Pump With Electric Heat





A = Louver thickness: 3/8" (10mm) stamped 11/8" (29mm) extruded architectural

### **Application Considerations**

Typical room cabinet and wall sleeve installations







Type EA conditioners can be mounted flat on the floor for the lowest possible silhouette, off the floor at any convenient height, or on an optional universal telescopic subbase which adjusts to any wall thickness.



- A = Above-the-floor installation
- B = Installation on telescopic subbase
- C = Flat-on-the-floor installation

### **Performance and Electrical Data**

PMES – Air Conditioner With Electric Heat – 60 Hz

PMRS – Heat Pump With Electric Heat – 60 Hz

PMEG – (Replacement) Air Conditioner With Hydronic Heat – 60 Hz

UNIT SIZE				007 ②			009 @				012 ②			014			
		VOLTAGE	0		208V	230V	265V	115V	208V	230V	265V	208V	230V	265V	208V	230V	265V
		Canaaitu	3	Btuh	7000	6900	6900	8500	8500	8500	8500	10600	10500	10500	14100	14200	14200
		Capacity	D D	Watts	2050	2021	2021	2489	2489	2489	2489	3104	3104	3104	4130	4130	4130
PMES/PMEG		Efficiency	,	EER	10.1	9.4	9.4	9.7	10.1	9.7	9.7	9.2	8.9	8.9	9.3	9.2	9.2
COOLING		Full Load	Amps		4.2	4.1	3.6	10.4	4.1	3.9	3.4	5.6	5.3	4.6	7.4	6.9	6.0
		Full Load	Watts		693	734	734	876	842	876	876	1152	1180	1180	1516	1543	1543
		Power Fa	ctor %		0.99	0.98	0.98	0.97	0.98	0.97	0.97	0.99	0.97	0.97	0.99	0.98	0.98
				Amps ④	10.6	11.6	11.4	-	10.6	11.6	11.4	10.9	11.9	11.4			-
	Nom. 2.0 kW Watts Btuh				1922	2350	2700		1922	2350	2700	1922	2350	2700			
				Btuh	6558	8018	9212		6558	8018	9212	6558	8018	9212			
				Amps ④	13.6	14.9	12.9		13.6	14.9	12.9	13.9	15.2	12.9	13.9	15.2	12.9
	Nom. 3	Nom. 3.0 kW V		Watts	2535	3100	3100		2535	3100	3100	2535	3100	3100	2535	3100	3100
ELECTRIC				Btuh	8649	10577	10577		8649	10577	10577	8649	10577	10577	8649	10577	10577
HEAT				Amps @	16.7	18.3	16.7	-	16.7	18.3	16.7	17.0	18.6	16.8	17.0	18.6	16.8
	Nom. 4.0		kW	Watts	3173	3880	4125		3173	3800	4125	3173	3880	4125	3173	3880	4125
				Btuh	10826	13239	14075		10826	13239	14075	10826	13239	14075	10826	13239	14075
				Amps ④								21.4	23.5	20.6	21.4	23.5	20.6
		Nom. 5.0	kW	Watts								4101	5015	5150	4101	5015	5150
				Btuh				_				13993	17111	17572	13993	17111	17572
PMF	RS – He	at Pump With E	lectric Heat -	60 Hz													
		Consolition	3	Btuh	6600	6800	6800	_	8600	8600	8600	10700	10700	10700	13000	13000	13000
		Capacity	<i>w</i>	Watts	1934	1992	1992		2518	2518	2518	3133	3133	3133	3807	3807	3807
PMRS Only		Efficiency	1	EER	9.5	9.5	9.5		9.2	9.2	9.2	8.5	8.5	8.5	8.2	8.2	8.2
COOLING		Full Load	Amps		4.6	4.2	3.6	_	5.5	5.0	4.4	6.6	6.0	5.2	8.4	7.6	6.4
		Watts			703	764	764	_	835	863	835	1105	1137	1105	1421	1432	1421
		Power Fa	ctor %		0.98	0.98	0.97		0.96	0.96	0.94	0.99	0.98	0.98	0.99	0.98	0.98
		Btuh			6800	6800	6800	-	8400	8400	8400	9800	9800	9800	12700	12700	12700
Reverse		COP			2.8	2.7	2.7	_	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.6
Heat		Full Load	Amps		4.0	3.9	3.4	-	5.5	5.0	4.4	6.6	6.0	5.2	8.4	7.6	6.4
		Watto															
		walls			688	725	725		890	922	890	1016	1035	1016	1302	1302	1302
PMEG (Replaceme	ent) Air	Conditioner Wi	ith Hydronic H	eat – 60 Hz	688	725	725		890	922	890	1016	1035	1016	1302	1302	1302
PMEG (Replaceme	ent) Air Ho	Conditioner Wi	ith Hydronic H High/Low	eat – 60 Hz Btuh	688	725 0700/990	725		890 1070	922	890	1016	1035 5000/1395	1016	1302	1302 5000/1395	1302 50
PMEG (Replaceme PMEG Only HYDBONIC	ent) Air Ho	Conditioner Wi	ith Hydronic H High/Low	eat – 60 Hz Btuh kW	688	725 0700/990 3.13/2.90	725 )0		890 1070 3.13	922 00/9900 /2.90	890	1016	1035 5000/1395 4.39/4.08	1016 60	1302	1302 5000/1395 4.39/4.08	1302 50 3
PMEG (Replaceme PMEG Only HYDRONIC HEAT @	ent) Air Ho Ste	Conditioner Wi t Water	ith Hydronic H High/Low High/Low	eat – 60 Hz Btuh kW Btuh	688 1	725 0700/990 3.13/2.90 5400/131	725 00 00 00		890 1070 3.13 1540	922 00/9900 /2.90 00/13100	890	1016	1035 5000/1395 4.39/4.08 9900/1850	1016 60 10	1302	1302 5000/1395 4.39/4.08 9900/1850	1302 50 3 00
PMEG (Replaceme PMEG Only HYDRONIC HEAT (3)	ent) Air Ho Ste	Conditioner Wi t Water eam	ith Hydronic H High/Low High/Low	eat – 60 Hz Btuh kW Btuh kW	688 1 1	725 0700/990 3.13/2.90 5400/131 4.51/3.84	725 00 00 00		890 107( 3.13 154( 4.51	922 00/9900 /2.90 00/13100 /3.84	890	1016	1035 5000/1395 4.39/4.08 9900/1850 5.83/5.42	i0 i0	1302	1302 5000/1399 4.39/4.08 9900/1850 5.83/5.42	1302 50 3 00
PMEG (Replaceme PMEG Only HYDRONIC HEAT ®	ent) Air Ho Ste	Conditioner Wi t Water	ith Hydronic H High/Low High/Low High Fan	eat – 60 Hz Btuh kW Btuh kW cfm	688 1 1 260/45	725 0700/990 3.13/2.90 5400/131 4.51/3.84 285/50	725 00 00 00 285/50	270/50	890 1070 3.13 1540 4.51 240/45	922 00/9900 /2.90 00/13100 /3.84 270/50	890 270/50	1016 15 19 290/60	1035 5000/1395 4.39/4.08 9900/1850 5.83/5.42 315/65	1016 60 60 315/65	1302 1: 1: 290/60	1302 5000/1395 4.39/4.08 9900/1850 5.83/5.42 315/65	1302 50 3 00 2 315/65
PMEG (Replaceme PMEG Only HYDRONIC HEAT ®	ent) Air Ho Ste	Conditioner Wi t Water	ith Hydronic H High/Low High/Low High Fan	eat – 60 Hz Btuh kW Btuh kW cfm L/s	688 1 260/45 123/21	725 0700/990 3.13/2.90 5400/131 4.51/3.84 285/50 134/24	725 00 00 285/50 134/24	270/50 127/24	890 107( 3.13 154( 4.51 240/45 113/21	922 00/9900 /2.90 00/13100 /3.84 270/50 127/24	890 270/50 127/24	1016 15 290/60 137/28	1035 5000/1395 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31	1016 60 00 315/65 149/31	1302 1! 290/60 137/28	1302 5000/1395 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31	1302 50 3 00 2 315/65 149/31
PMEG (Replaceme PMEG Only HYDRONIC HEAT ®	ent) Air Ho Ste	Conditioner With t Water	th Hydronic H High/Low High/Low High Fan Low Fan	eat – 60 Hz Btuh kW Btuh kW cfm L/s cfm	688 1 260/45 123/21 230/40	725 0700/990 3.13/2.90 5400/131 4.51/3.84 285/50 134/24 260/45	725 00 00 285/50 134/24 260/45	 270/50 127/24 250/45	890 1070 3.13 1540 4.51 240/45 113/21 220/40	922 00/9900 /2.90 00/13100 /3.84 270/50 127/24 250/45	890 270/50 127/24 250/45	1016 15 19 290/60 137/28 235/40	1035 5000/1395 4.39/4.08 5900/1850 5.83/5.42 315/65 149/31 250/45	1016 60 315/65 149/31 250/45	1302 11 11 290/60 137/28 235/40	1302 5000/1395 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 250/45	1302 50 3 00 2 315/65 149/31 250/45
PMEG (Replacement PMEG Only HYDRONIC HEAT (F) AIRFLOW	ent) Air Ho Ste	eam	th Hydronic H High/Low High/Low High Fan Low Fan	eat – 60 Hz Btuh kW Btuh kW cfm L/s cfm L/s	688 1 260/45 123/21 230/40 108/19	725 0700/990 3.13/2.90 5400/131 4.51/3.84 285/50 134/24 260/45 123/21	725 00 00 285/50 134/24 260/45 123/21	 270/50 127/24 250/45 118/21	890 1070 3.13 1540 4.51 240/45 113/21 220/40 104/19	922 00/9900 /2.90 00/13100 /3.84 270/50 127/24 250/45 118/21	890 270/50 127/24 250/45 118/21	1016 15 290/60 137/28 235/40 111/19	1035 5000/1395 4.39/4.08 5000/1850 5.83/5.42 315/65 149/31 250/45 118/21	1016 0 315/65 149/31 250/45 118/21	1302 11 290/60 137/28 235/40 111/19	1302 5000/1395 4.39/4.08 5900/1850 5.83/5.42 315/65 149/31 250/45 118/21	1302 50 3 00 2 315/65 149/31 250/45 118/21
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PMEG (Replaceme PMEG Only HYDRONIC HEAT ④ AIRFLOW (TOTAL/VENT) ⑤	ent) Air Ho Sto Co He	vatis Conditioner W t Water eam oling ating	th Hydronic H High/Low High/Low High Fan Low Fan High Fan Low Fan	eat - 60 Hz Btuh kW Btuh kW cfm L/s cfm L/s cfm L/s cfm L/s cfm L/s	688 1 260/45 123/21 230/40 108/19 290/45 137/21 255/40 120/21	725 0700/990 3.13/2.90 5400/131 4.51/3.84 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21	725 00 00 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21		890 107( 3.13 154( 4.51 240/45 113/21 220/40 104/19 270/45 127/21 235/40 111/19	922 00/9900 /2.90 00/13100 /3.84 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21	890 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21	1016 115 290/60 137/28 235/40 111/19 340/60 160/28 280/40 132/19	1035 5000/1395 4.39/4.08 5000/1850 5.83/5.42 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21	1016 1016 100 115/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21	1302 11302 1137/28 235/40 111/19 340/60 160/28 280/40 132/19	1302 5000/1395 4.39/4.08 5900/1850 5.83/5.42 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21	1302 50 3 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21
PMEG (Replaceme PMEG Only HYDRONIC HEAT ④ AIRFLOW (TOTAL/VENT) ⑤	ent) Air Ho Ste Co He	vatts Conditioner W t Water sam oling ating m. 2.0 kW Heat	th Hydronic H High/Low High/Low High Fan Low Fan High Fan Low Fan er	eat - 60 Hz Btuh kW Btuh kW cfm L/s cfm L/s cfm L/s cfm L/s cfm L/s	688 1 260/45 123/21 230/40 108/19 290/45 137/21 255/40 120/21 13.3	725 0700/990 3.13/2.90 5400/131 4.51/3.84 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.5	725 00 00 285/50 134/24 280/45 123/21 1315/50 149/24 280/45 132/21 14.2		890 1070 3.13 1540 4.51 240/45 113/21 220/40 104/19 270/45 127/21 235/40 111/19 13.3	922 00/9900 /2.90 00/13100 /3.84 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.5	890 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.2	1016 15 290/60 137/28 235/40 111/19 340/60 160/28 280/40 132/19 13.7	1035 5000/1395 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.9	1016 1016 100 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.2	1302 1302 137/28 235/40 111/19 340/60 160/28 280/40 132/19 	1302 5000/1395 4.39/4.08 5900/1850 5.83/5.42 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 	1302 50 3 3 15/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 
PMEG (Replaceme PMEG Only HYDRONIC HEAT ④ AIRFLOW (TOTAL/VENT) ⑤	ent) Air Ho Ste Co He No	vatts Conditioner W t Water sam oling ating m. 2.0 kW Heat m. 3.0 kW Heat	th Hydronic H High/Low High/Low Ligh Fan Low Fan Low Fan Low Fan er	eat - 60 Hz Btuh kW Btuh kW cfm L/s cfm L/s cfm L/s cfm L/s cfm L/s	688 1 260/45 123/21 230/40 108/19 290/45 137/21 255/40 120/21 13.3 17.0	725 0700/990 3.13/2.90 5400/131 4.51/3.84 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.5 132/21 14.5	725 00 00 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.2 16.1		890 1070 3.13 1540 4.51 240/45 113/21 220/40 104/19 270/45 127/21 235/40 111/19 13.3 17.0 26.5	922 00/9900 /2.90 00/13100 /3.84 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.5 18.6	890 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.2 16.1	1016 1016 1016 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1016 1017	1035 5000/1395 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.9 19.0	1016 100 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.2 161 14.2	1302 1302 1302 137/28 235/40 111/19 340/60 160/28 280/40 132/19 - 17.4 - 2.5 - 12.5 - 1.5 - - - - - - - - - - - - -	1302 5000/1399 4.39/4.08 9900/185( 5.83/5.42 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 	1302 50 3 3 3 15/65 149/31 250/45 149/31 250/45 149/31 350/65 165/31 310/45 146/21  16.1
PMEG (Replaceme PMEG Only HYDRONIC HEAT AIRFLOW (TOTAL/VENT)	ent) Air Ho Ste Co He No No	vatts Conditioner W t Water sam oling ating m. 2.0 kW Heat m. 3.0 kW Heat a 0.0 kW Heat	th Hydronic H High/Low High/Low Ligh Fan Low Fan Low Fan Low Fan er er	eat - 60 Hz Btuh kW Btuh kW cfm L/s cfm L/s cfm L/s cfm L/s	688 1 260/45 123/21 230/40 108/19 290/45 137/21 255/40 120/21 13.3 17.0 20.8	725 0700/990 3.13/2.90 5400/131 4.51/3.84 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.5 18.6 22.8	725 00 00 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.2 16.1 20.9		890 1070 3.13 1540 4.51 240/45 113/21 220/40 104/19 270/45 127/21 235/40 111/19 13.3 17.0 20.8	922 00/9900 /2.90 00/13100 /3.84 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.5 18.6 22.8	890 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.2 16.1 20.9	1016 1016 1016 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1016 1017	1035 5000/1395 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.9 19.0 23.2	1016 100 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.2 161 21.0 25	1302 1302 1302 137/28 235/40 111/19 340/60 160/28 280/40 132/19  17.4 21.2  202	1302 5000/1399 4.39/4.08 9900/185( 5.83/5.42 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21  19.0 23.2 2.2 	1302 50 3 3 3 149/31 250/45 149/31 250/45 149/31 250/45 149/31 315/65 149/31 315/65 149/31 149/31 149/31 315/65 149/31 315/65 149/31 315/65 149/31 310/45 146/21  16.1 21.2 16.1 2.2 2.2 2.2 2.2 2.2 2.2 2.2 2
PMEG (Replaceme PMEG Only HYDRONIC HEAT AIRFLOW (TOTAL/VENT)	ent) Air Ho Ste Ca He No No No	watts Conditioner W t Water sam oling ating m. 2.0 kW Heat m. 3.0 kW Heat m. 4.0 kW Heat	th Hydronic H High/Low High/Low Ligh Fan Low Fan Low Fan Low Fan er er	eat - 60 Hz Btuh kW Btuh kW cfm L/s cfm L/s cfm L/s cfm L/s cfm L/s	688 1 260/45 123/21 230/40 108/19 290/45 137/21 255/40 120/21 13.3 17.0 20.8 	725 0700/990 3.13/2.90 5400/131 4.51/3.84 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.5 18.6 22.8	725 00 00 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.2 16.1 20.9 		890 1070 3.13 1540 4.51 240/45 113/21 220/40 104/19 270/45 127/21 235/40 111/19 13.3 17.0 20.8 - - -	922 00/9900 /2.90 00/13100 /3.84 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.5 18.6 22.8 	890 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.2 16.1 20.9 	1016 1016 1016 1016 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1017 1016 1017	1035 5000/1395 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.9 19.0 23.2 29.4	1016 100 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.2 161 21.0 25.8 0	1302 1302 1302 137/28 235/40 111/19 340/60 160/28 280/40 132/19  17.4 21.2 26.8 40  17.4	1302 5000/1395 4.39/4.08 9900/185( 5.83/5.42 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21  19.0 23.2 29.4 4.6	1302 1302 1302 1302 1302 149/31 250/45 149/31 250/45 149/31 250/45 149/31 250/45 149/31 250/45 149/31 250/45 165/31 310/45 146/21  16.1 21.0 25.8 2.2 2.2 3.1 2.2 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1
PMEG (Replaceme PMEG Only HYDRONIC HEAT AIRFLOW (TOTAL/VENT) © MINIMUM CIRCUIT AMPACITY	ent) Air Ho Ste Co He No No No No	watts Conditioner Wi t Water aam oling ating m. 2.0 kW Heat m. 3.0 kW Heat m. 4.0 kW Heat m. 5.0 kW Heat dronic	th Hydronic H High/Low High/Low Ligh Fan Low Fan Low Fan Low Fan er er er	eat - 60 Hz Btuh kW Btuh kW cfm L/s cfm L/s cfm L/s cfm L/s	688 1 260/45 123/21 230/40 108/19 290/45 137/21 255/40 120/21 13.3 17.0 20.8  4.9 4.7 	725 0700/990 3.13/2.90 5400/131 4.51/3.84 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.5 132/21 14.5 18.6 28  4.9	725 00 00 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.2 16.1 20.9  4.2  4.7		890 1070 3.13 1540 4.51 240/45 113/21 220/40 104/19 270/45 127/21 235/40 111/19 13.3 17.0 20.8  6.1 4.5	922 00/9900 /2.90 00/13100 /3.84 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.5 18.6 22.8 — 6.1	890 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.2 16.1 20.9 	1016 1016 1016 1017	1035 5000/1395 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.9 19.0 23.2 29.4 7.5	1016 100 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.2 161 21.0 25.8 6.3 -7	1302 1302 1302 137/28 235/40 111/19 340/60 160/28 280/40 132/19  17.4 21.2 26.8 10.4	1302 5000/1399 4.39/4.08 9900/185( 5.83/5.42 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21  19.0 23.2 29.4 10.4	1302 50 3 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21  16.1 21.0 25.8 8.0
PMEG (Replaceme PMEG Only HYDRONIC HEAT AIRFLOW (TOTAL/VENT) © MINIMUM CIRCUIT AMPACITY	ent) Air Ho Ste Co No No No No No	watts Conditioner Wi t Water aam oling ating m. 2.0 kW Heat m. 3.0 kW Heat m. 4.0 kW Heat dronic m. 2.0 kW Heat	th Hydronic H High/Low High/Low Ligh Fan Low Fan Low Fan Low Fan er er er	eat - 60 Hz Btuh kW Btuh kW cfm L/s cfm L/s cfm L/s cfm L/s	688 1 260/45 123/21 230/40 108/19 290/45 137/21 255/40 120/21 13.3 17.0 20.8  4.9 15 20.2	725 0700/990 3.13/2.90 5400/131 4.51/3.84 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.5 18.6 22.8  4.9 15 5	725 00 00 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.2 16.1 20.9  4.2 15  4.2 15 		890 1070 3.13 1540 4.51 240/45 113/21 220/40 104/19 270/45 127/21 235/40 111/19 13.3 17.0 20.8  6.1 15      	922 00/9900 /2.90 00/13100 /3.84 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.5 18.6 22.8 — 6.1 15	890 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.2 16.1 20.9 	1016 1016 1016 1016 1017	1035 5000/1395 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.9 19.0 23.2 29.4 7.5 15	1016 100 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.2 161 21.0 25.8 6.3 15 45	1302 1302 1302 137/28 235/40 111/19 340/60 160/28 280/40 132/19 - 17.4 21.2 26.8 10.4 - - 20.6 10.4	1302 5000/1395 4.39/4.08 9000/185( 5.83/5.42 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21  19.0 23.2 29.4 10.4  0.2	1302 1302 1302 1302 1302 149/31 250/45 149/31 250/45 149/31 250/45 165/31 310/45 146/21  16.1 21.0 25.8 8.0  45
PMEG (Replaceme PMEG Only HYDRONIC HEAT  AIRFLOW (TOTAL/VENT) © MINIMUM CIRCUIT AMPACITY DELAY FUSE	ent) Air Ho Ste Co He No No No No No	watts Conditioner Wi t Water aam oling ating m. 2.0 kW Heat m. 3.0 kW Heat dronic m. 2.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat	th Hydronic H High/Low High/Low Ligh Fan Low Fan Low Fan Low Fan er er er er	eat - 60 Hz Btuh kW Btuh kW cfm L/s cfm L/s cfm L/s cfm L/s	688 1 260/45 123/21 230/40 108/19 290/45 137/21 255/40 120/21 13.3 17.0 20.8  4.9 15 20 20 20	725 0700/990 3.13/2.90 5400/131 4.51/3.84 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.5 18.6 22.8  4.9 15 20 0	725 00 00 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.2 16.1 20.9  4.2 15 15 20		890 1070 3.13 1540 4.51 240/45 113/21 220/40 104/19 270/45 127/21 235/40 111/19 13.3 17.0 20.8  6.1 15 20 0 0 0 0 0 0 0 0 0 0 0 0 0	922 00/9900 /2.90 00/13100 /3.84 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.5 18.6 22.8 — 6.1 15 200	890 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.2 16.1 20.9 	1016 1016 1016 1016 1017	1035 5000/1395 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.9 19.0 23.2 29.4 7.5 15 20	1016 100 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.2 161 21.0 25.8 6.3 15 15 15 20	1302 1302 137/28 235/40 111/19 340/60 160/28 280/40 132/19 - 17.4 21.2 26.8 10.4 - 20.	1302 5000/1395 4.39/4.08 9000/185( 5.83/5.42 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21  19.0 23.2 29.4 10.4  20.5	1302 1302 1302 1302 1302 149/31 250/45 149/31 250/45 149/31 250/45 145/31 310/45 146/21  16.1 21.0 25.8 8.0  15 00 00 00 00 00 00 00 00 00 0
PMEG (Replaceme PMEG Only HYDRONIC HEAT  AIRFLOW (TOTAL/VENT) © MINIMUM CIRCUIT AMPACITY DELAY FUSE MAXIMUM	ent) Air Hoo Ste Co He Noo Noo Noo Noo Noo	watts Conditioner Wi t Water aam oling ating m. 2.0 kW Heat m. 3.0 kW Heat m. 4.0 kW Heat dronic m. 2.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat	th Hydronic H High/Low High/Low Low Fan Low Fan Low Fan Low Fan er er er er er	eat - 60 Hz Btuh kW Btuh L/s cfm L/s cfm L/s cfm L/s cfm L/s	688 1 260/45 123/21 230/40 108/19 290/45 137/21 255/40 120/21 13.3 17.0 20.8  4.9 15 20 20 20	725 0700/990 3.13/2.90 5400/131 4.51/3.84 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.5 132/21 14.5 18.6 22.8  4.9 15 20 25	725 00 00 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.2 16.1 20.9  4.2 15 15 20		890 1070 3.13 1540 4.51 240/45 113/21 220/40 104/19 270/45 127/21 235/40 111/19 13.3 17.0 20.8  6.1 15 20 20 20	922 00/9900 /2.90 00/13100 /3.84 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.5 18.6 22.8 — 6.1 15 20 25	890 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.2 16.1 20.9  4.9 15 15 15 20	1016 1016 11 290/60 137/28 235/40 111/19 340/60 160/28 280/40 132/19 13.7 174 21.2 26.8 7.5 15 20 20 20 20 20	1035 5000/1395 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.9 19.0 23.2 29.4 7.5 15 20 25	1016 100 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.2 161 21.0 25.8 6.3 15 15 20 25 20 25	1302 1302 1302 137/28 235/40 111/19 340/60 160/28 280/40 132/19  17.4 21.2 26.8 10.4  20 20 20 20 20	1302 5000/1399 4.39/4.08 9000/185( 5.83/5.42 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21  19.0 23.2 29.4 10.4  20 25 25 25	1302 1302 1302 1302 1302 149/31 250/45 149/31 250/45 149/31 250/45 165/31 310/45 146/21  16.1 21.0 25.8 8.0  15 20 20 25 20 25 20 25 20 25 20 25 20 25 20 25 20 25 20 25 20 25 20 25 25 20 25 25 20 25 25 25 20 25 25 25 25 25 25 25 25 25 25
PMEG (Replaceme PMEG Only HYDRONIC HEAT AIRFLOW (TOTAL/VENT) © MINIMUM CIRCUIT AMPACITY DELAY FUSE MAXIMUM AMPACITY	ent) Air Hoo Ste Co He Noo Noo Noo Noo Noo Noo	watts Conditioner Wi t Water aam oling ating m. 2.0 kW Heat m. 3.0 kW Heat dronic m. 2.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat m. 4.0 kW Heat m. 4.0 kW Heat	th Hydronic H High/Low High/Low Low Fan Low Fan Low Fan Low Fan er er er er er er	eat - 60 Hz Btuh kW Btuh L/s cfm L/s cfm L/s cfm L/s	688 1 260/45 123/21 230/40 108/19 290/45 137/21 255/40 120/21 13.3 17.0 20.8  4.9 15 20 20  4.9 15 20  15 20	725 0700/990 3.13/2.90 5400/131 4.51/3.84 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.5 132/21 14.5 18.6 22.8  4.9 15 20 25  4.5	725 00 00 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.2 16.1 20.9  4.2 15 15 20  15 15 20		890 1070 3.13 1540 4.51 240/45 113/21 220/40 104/19 270/45 127/21 235/40 111/19 13.3 17.0 20.8  6.1 15 20 20 20  5 20  5 20  5 20  5 20  5 20  5 20  5 20  5  	922 00/9900 /2.90 00/13100 /3.84 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.5 18.6 22.8 — 6.1 15 20 25 —	890 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.2 16.1 20.9  4.9 15 15 15 20 	1016 1016 1016 1017 290/60 137/28 235/40 111/19 340/60 160/28 280/40 132/19 13.7 174 21.2 26.8 7.5 15 20 20 20 20 25 45	1035 5000/1395 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 250/45 149/31 350/65 165/31 310/45 146/21 14.9 19.0 23.2 29.4 7.5 15 20 25 300	1016 1016 100 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.2 161 21.0 25.8 6.3 15 15 15 20 25	1302 1302 1302 137/28 235/40 111/19 340/60 160/28 280/40 132/19  17.4 21.2 26.8 10.4  20 20 20 25 47	1302 5000/1399 4.39/4.08 9900/185( 5.83/5.42 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21  19.0 23.2 29.4 10.4  20 25 30 45	1302 1302 1302 1302 1302 1302 149/31 250/45 148/31 250/45 148/21 350/65 165/31 310/45 146/21  16.1 21.0 25.8 8.0  15 20 25 45 20 25 45 20 25 45 20 25 45 20 25 45 20 25 45 20 25 45 20 25 45 20 25 20 25 20 25 20 25 20 25 20 25 20 25 25 25 25 25 25 25 25 25 25
PMEG (Replaceme PMEG Only HYDRONIC HEAT AIRFLOW (TOTAL/VENT) © MINIMUM CIRCUIT AMPACITY DELAY FUSE MAXIMUM AMPACITY	ent) Air Hoo Ste Co He Noo Noo Noo Noo Noo Noo Noo	watts Conditioner Wi t Water aam oling ating ating m. 2.0 kW Heat m. 3.0 kW Heat dronic m. 2.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat m. 4.0 kW Heat m. 5.0 kW Heat dronic m. 2.0 kW Heat	th Hydronic H High/Low High/Low High Fan Low Fan Low Fan er er er er er er er er er	eat - 60 Hz Btuh kW Btuh L/s cfm L/s cfm L/s cfm L/s	688 1 260/45 123/21 230/40 108/19 290/45 137/21 255/40 120/21 13.3 17.0 20.8  4.9 15 20 20  15 20 20  15 20 20  15 20 20  15 20 20  15 20 20  15 20 20  15 20 20  15 20 20  20 20 	725 0700/990 3.13/2.90 5400/131 4.51/3.84 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.5 132/21 14.5 18.6 22.8  4.9 15 20 25  5 6 4.55	725 00 00 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.2 16.1 20.9  4.2 15 15 20  15		890 1070 3.13 1540 4.51 240/45 113/21 220/40 104/19 270/45 127/21 235/40 111/19 13.3 17.0 20.8  6.1 15 20 20  15 8452	922 00/9900 /2.90 00/13100 /3.84 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.5 18.6 22.8 — 6.1 15 20 25 — 15	890 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.2 16.1 20.9  4.9 15 15 20  15	1016 1016 1016 290/60 137/28 235/40 137/28 235/40 111/19 340/60 160/28 280/40 132/19 13.7 174 21.2 26.8 7.5 15 20 20 20 20 25 15 20 20 20 25 15 20 20 20 25 15 20 20 20 25 15 20 20 20 25 15 20 20 20 25 15 20 20 20 20 20 25 20 20 20 20 20 20 20 20 20 20	1035 5000/1395 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 250/45 149/31 350/65 165/31 310/45 146/21 14.9 19.0 23.2 29.4 7.5 15 20 25 30 15	1016 1016 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.2 161 21.0 25.8 6.3 15 15 20 25 15	1302 1302 137/28 235/40 117/19 340/60 160/28 280/40 132/19  17.4 21.2 26.8 10.4  20 20 25 15	1302 5000/1399 4.39/4.08 9900/185( 5.83/5.42 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21  19.0 23.2 29.4 10.4  20 25 30 15	1302 1302 1302 1302 1302 1302 149/31 250/45 149/31 250/45 148/21 350/65 165/31 310/45 146/21  16.1 21.0 25.8 8.0  15 20 25 15
PMEG (Replaceme PMEG Only HYDRONIC HEAT AIRFLOW (TOTAL/VENT) © MINIMUM CIRCUIT AMPACITY DELAY FUSE MAXIMUM AMPACITY	ent) Air Ho Ste Co He No No No No No No No No	watts Conditioner Wi t Water aam oling ating m. 2.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat dronic m. 2.0 kW Heat m. 3.0 kW Heat m. 5.0 kW Heat dronic m. 2.0 kW Heat	th Hydronic H High/Low High/Low High Fan Low Fan Low Fan er er er er er er er er er er	eat - 60 Hz Btuh kW Cfm L/s Cfm L/s Cfm L/s Cfm L/s	688 1 260/45 123/21 233/40 123/21 233/40 108/19 290/45 137/21 255/40 120/21 13.3 17.0 20.8  4.9 15 20 20  15 6-15F 6.22	725 0700/990 3.13/2.90 5400/131 4.51/3.84 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.5 132/21 14.5 132/21 14.5 18.6 22.8  4.9 15 20 25  15 6-155 6-25	725 00 285/50 134/24 260/45 123/21 149/24 280/45 132/21 14.2 16.1 20.9  4.2 15 15 20  15  15 		890 1070 3.13 1540 4.51 240/45 113/21 220/40 104/19 270/45 127/21 235/40 111/19 13.3 17.0 20.8  6.1 15 20 20  15 6158 6155	922 00/9900 /2.90 00/13100 /3.84 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.5 18.6 22.8  6.1 15 20 25  15 615R 0.0 00 25	890 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.2 16.1 20.9  4.9 15 15 15 20  15 15 20  15	1016 1016 1016 290/60 137/28 235/40 111/19 340/60 160/28 280/40 132/19 13.7 174 21.2 26.8 7.5 15 20 20 20 25 15 6-15F 6-25F	1035 5000/1395 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 350/65 165/31 310/45 148/21 14.9 19.0 23.2 29.4 7.5 15 20 25 30 15 6-155	1016 100 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.2 161 21.0 25.8 6.3 15 15 20 25 15 	1302 1322 132 102 1322 102 1322 102 1322 102 102 102 102 102 102 102 1	1302 5000/1393 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 250/45 149/31 350/65 165/31 310/45 146/21  19.0 23.2 29.4 10.4  20 25 30 15  20 25 30 15  20 25 30 15  20 25 30 15  20 25 30 15  20 25 30 25  20 25  20 25  20 25  20   20  20   20  20  20  20  20  20  20 	1302 1302 1302 1302 1302 1302 149/31 250/45 148/21 350/65 165/31 310/45 146/21  16.1 21.0 25.8 8.0  15 20 25 15 
PMEG (Replacement PMEG Only HYDRONIC HEAT AIRFLOW (TOTAL/VENT) MINIMUM CIRCUIT AMPACITY DELAY FUSE MAXIMUM AMPACITY RECEPTACLE	ent) Air Ho Ste Co He No No No No No No No No	watts Conditioner Wi t Water aam oling ating m. 2.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat dronic m. 2.0 kW Heat dronic m. 2.0 kW Heat dronic m. 2.0 kW Heat dronic m. 2.0 kW Heat	th Hydronic H High/Low High/Low High Fan Low Fan Low Fan er er er er er er er er er er er er	eat - 60 Hz Btuh kW Btuh kW cfm L/s cfm L/s cfm L/s cfm L/s	688 1 260/45 123/21 230/40 108/19 290/45 137/21 255/40 120/21 13.3 17.0 20.8  4.9 15 20 20  15 6-15R 6-20R	725 0700/990 3.13/2.90 5400/131 4.51/3.84 285/50 134/24 260/45 132/21 315/50 149/24 280/45 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 15 6-15R 6-20S	725 00 285/50 134/24 260/45 123/21 149/24 280/45 132/21 14.2 16.1 20.9  4.2 15 15 20  15  15  15 		890 1070 3.13 1540 4.51 240/45 113/21 220/40 104/19 270/45 127/21 235/40 111/19 13.3 17.0 20.8  6.1 15 20 20  15 615R 6-205	922 00/9900 /2.90 00/13100 /3.84 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.5 18.6 22.8  6.1 15 20 25  15 615R 6-20R	890 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.2 16.1 20.9  4.9 15 15 20  15  15   15  	1016 1016 1016 290/60 137/28 235/40 111/19 340/60 160/28 280/40 132/19 13.7 174 21.2 26.8 7.5 15 20 20 20 25 15 6-15R 6-20R 6-20R	1035 5000/1395 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 350/65 165/31 310/45 146/21 14.9 19.0 23.2 29.4 7.5 15 20 25 30 15 6-15R 6-20R 6-20R	1016 100 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.2 161 21.0 25.8 6.3 15 15 20 25 15 	1302 1302 1302 1302 137/28 235/40 137/28 235/40 137/28 235/40 137/28 235/40 132/19  17.4 21.2 26.8 10.4  20 20 25 15  6-20R 6.227	1302 5000/1393 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 250/45 165/31 310/45 146/21  19.0 23.2 29.4 10.4  20 25 30 15  6.20R	1302 1302 1302 1302 149/31 250/45 148/31 350/65 148/21 350/65 146/21  16.1 21.0 25.8 8.0  15 20 25 15   
PMEG (Replacement PMEG Only HYDRONIC HEAT ® AIRFLOW (TOTAL/VENT) © MINIMUM CIRCUIT AMPACITY DELAY FUSE MAXIMUM AMPACITY RECEPTACLE NEMA NO.	ent) Air Ho Ste Co He No No No No No No No No No No No No	watts Conditioner Wi t Water aam oling ating m. 2.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat m. 5.0 kW Heat dronic m. 2.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat	th Hydronic H High/Low High/Low High Fan Low Fan Low Fan Low Fan er er er er er er er er er er er	eat - 60 Hz Btuh kW Btuh kW cfm L/s cfm L/s cfm L/s	688 1 260/45 123/21 230/40 123/21 230/40 120/21 13.3 17.0 20.8  4.9 15 20 20  15 6-15R 6-20R 6-30R	725 0700/990 3.13/2.90 5400/131 4.51/3.84 285/50 134/24 260/45 123/21 1315/50 149/24 280/45 132/21 14.5 135/50 15.5 132/21 14.5 15.5 132/21 15.5 20 25  15 6-15R 6-20R 6-30R	725 00 285/50 134/24 260/45 123/21 143/24 260/45 132/21 149/24 280/45 132/21 14.2 16.1 20.9  4.2 15 15 20  15  15    		890 107( 3.13 154( 4.51 240/45 113/21 220/40 104/19 270/45 127/21 235/40 117/19 13.3 17.0 20.8  6.1 15 20 20  15 615R 6-20R 6-30R	922 00/9900 /2.90 00/13100 /3.84 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.5 18.6 22.8  6.1 15 20 25  15 615R 6-20R 6-30R	890 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.2 16.1 20.9  4.9 15 15 20  15  15    	1016 1016 1016 1017/28 235/40 137/28 235/40 137/28 235/40 130/28 280/40 132/19 13.7 174 21.2 26.8 7.5 15 20 20 25 15 6-15R 6-20R 6-30R	1035 5000/1395 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 250/45 165/31 310/45 146/21 14.9 19.0 23.2 29.4 7.5 15 20 25 30 15 6-15R 6-20R 6-30R 0.225	1016 100 315/65 149/31 250/45 18/21 350/65 18/21 146/21 14.2 161 21.0 25.8 6.3 15 15 20 25 15   	1302 1302 1302 1302 1102 137/28 235/40 137/28 235/40 137/28 235/40 137/28 235/40 137/28 235/40 137/28 235/40 137/28 240/60 160/28 280/40 132/19  17.4 21.2 26.8 10.4  20 20 25 15  6-30R 6-30R	1302 5000/1393 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 250/45 118/21 350/65 148/21 310/45 146/21  19.0 23.2 29.4 10.4  20 25 30 15  6-20R 6-20R 6-20Z	1302 1302 1302 1302 1302 149/31 250/45 148/21 350/65 148/21 310/45 146/21  16.1 21.0 25.8 8.0  15 20 25 15     
PMEG (Replacement PMEG Only HYDRONIC HEAT AIRFLOW (TOTAL/VENT) © MINIMUM CIRCUIT AMPACITY DELAY FUSE MAXIMUM AMPACITY RECEPTACLE NEMA NO.	ent) Air Hoo Stee Co Hee Noo Noo Noo Noo Noo Noo Noo Noo Noo N	watts Conditioner Wi t Water aam oling ating m. 2.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat m. 5.0 kW Heat dronic m. 2.0 kW Heat dronic m. 2.0 kW Heat dronic m. 3.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat	th Hydronic H High/Low High/Low Low Fan Low Fan Low Fan Com Fan High Fan High Fan Com	eat - 60 Hz Btuh kW Btuh kW cfm L/s cfm L/s cfm L/s	688 1 260/45 123/21 230/40 123/21 230/40 123/21 230/40 120/21 13.3 17.0 20.8  4.9 15 20 20  15 6-15R 6-20R 6-30R   0.455    	725 0700/990 3.13/2.90 5400/131 4.51/3.84 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 15.5 6.15R 6-20R 6-30R  0.455	725 00 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.2 16.1 20.9  4.2 15 15 20  15  15    		890 107( 3.13 154( 4.51 240/45 113/21 220/40 104/19 270/45 127/21 235/40 117/21 235/40 117/19 13.3 17.0 20.8  6.1 15 20 20  15 615R 6-20R 6-30R  0.455 0	922 00/9900 /2.90 00/13100 /3.84 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.5 18.6 22.8  6.1 15 20 25  15 615R 6-20R 6-30R  0 0	890 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.2 16.1 20.9  4.9 15 15 20  15  15    	1016 1016 1016 290/60 137/28 235/40 137/28 235/40 137/28 235/40 137/28 235/40 132/19 13.7 174 21.2 26.8 7.5 15 20 20 25 15 6.15R 6-20R 6-30R 6-30R	1035 5000/1395 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 250/45 165/31 310/45 148/21 149/21 14.9 19.0 23.2 29.4 7.5 15 20 25 30 15 6-15R 6-20R 6-30R 6-30R	1016 100 315/65 149/31 250/45 182/31 350/65 165/31 310/45 146/21 14.2 161 21.0 25.8 6.3 15 15 20 25 15    	1302 1302 1302 1302 137/28 235/40 132/19  17.4 21.2 26.8 10.4  20 20 25 15  6-20R 6-30R 6-30R	1302 5000/1398 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 250/45 118/21 350/65 148/21 310/45 146/21  19.0 23.2 29.4 10.4  20 25 30 15  6-20R 6-30R 6-30R	1302 1302 1302 1302 1302 149/31 250/45 148/21 350/65 148/21 146/21 165/31 310/45 146/21  16.1 21.0 25.8 8.0  15 20 25 15       
PMEG (Replacement PMEG Only HYDRONIC HEAT  AIRFLOW (TOTAL/VENT) (TOTAL/	ent) Air Hoo Stee Co Hee Noo Noo Noo Noo Noo Noo Noo Noo Noo N	watts Conditioner Wi t Water am oling ating m. 2.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat dronic m. 2.0 kW Heat m. 3.0 kW Heat dronic m. 2.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat m. 4.0 kW Heat m. 5.0 kW Heat m. 4.0 kW Heat	th Hydronic H High/Low High/Low High Fan Low Fan Low Fan Low Fan er er er er er er er er er er er er	eat - 60 Hz Btuh kW Btuh kW cfm L/s cfm L/s cfm L/s	688 1 260/45 123/21 230/40 108/19 290/45 137/21 255/40 120/21 13.3 17.0 20.8  4.9 15 20 20  15 6-15R 6-20R 6-30R  6-15R	725 0700/990 3.13/2.90 5400/131 4.51/3.84 285/50 134/24 260/45 132/21 315/50 149/24 280/45 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 15 6-15R 6-20R 6-30R  6-30R  6-30R	725 00 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.2 16.1 20.9  4.2 15 15 20  15  15    		890 107( 3.13 154( 4.51 240/45 113/21 220/40 104/19 270/45 127/21 235/40 117/21 208  6.1 15 605 615 6-20 6-30 6-30 6-30 6-30 6-30 	922 00/9900 /2.90 00/13100 /3.84 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.5 18.6 22.8 	890 270/50 127/24 250/45 118/21 118/21 1300/50 142/24 270/45 127/21 14.2 16.1 20.9  4.9 15 15 20  15  15  15   -	1016 1016 1016 290/60 137/28 235/40 137/28 235/40 137/28 235/40 137/28 235/40 132/19 135/15 15 6-15R 6-30R 6-30R 6-15R	1035 5000/1395 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 250/45 165/31 310/45 185/31 310/45 146/21 14.9 19.0 23.2 29.4 7.5 15 20 23.2 29.4 7.5 15 20 25 30 15 6-15R 6-30R 6-30R 6-30R	1016 100 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.2 161 21.0 25.8 6.3 15 15 20 25 15     	1302 1302 1302 1302 137/28 235/40 132/19  20 20 20 20 20 20 25 15  6-20R 6-30R 6-15R	1302 5000/1399 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 250/45 118/21 350/65 148/21 350/65 148/21 165/31 310/45 146/21  19.0 23.2 29.4 10.4  20 25 30 15  6-20R 6-30R 6-30R 6-15R	1302 1302 1302 1302 149/31 250/45 148/21 350/65 165/31 310/45 146/21  16.1 21.0 25.8 8.0  15 20 25 15      
PMEG (Replacement         PMEG Only         HYDRONIC         HEAT ③         AIRFLOW         (TOTAL/VENT)         ⑤         MINIMUM         CIRCUIT         AMPACITY         DELAY FUSE         MAXIMUM         AMPACITY         RECEPTACLE         NEMA NO.         NET SHIPPING	ent) Air Hoo Stee Co Hee Noo Noo Noo Noo Noo Noo Noo Noo Noo N	watts Conditioner W t Water aam oling ating m. 2.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat dronic m. 2.0 kW Heat m. 3.0 kW Heat dronic m. 2.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat m. 3.0 kW Heat m. 5.0 kW Heat m. 5.0 kW Heat m. 5.0 kW Heat	th Hydronic H High/Low High/Low High Fan Low Fan Low Fan er er er er er er er er er er er	eat - 60 Hz Btuh kW Btuh kW cfm L/s cfm L/s cfm L/s cfm L/s	688 1 260/45 123/21 230/40 108/19 290/45 137/21 255/40 120/21 13.3 17.0 20.8  4.9 15 20 20  15 6-15R 6-20R 6-30R  6-15R	725 0700/990 3.13/2.90 5400/131 4.51/3.84 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 132/21 14.5 135/50 14.5 132/21 14.5 135/50 14.5 14.5 14.5 14.5 14.5 14.5 14.5 14.5	725 00 285/50 134/24 260/45 123/21 315/50 149/24 280/45 132/21 149/24 280/45 132/21 149/24 280/45 132/21 149/24 280/45 132/21 149/24 280/45 132/21 149/24 280/45 132/21 149/24 280/45 123/21 149/24 280/45 123/21 149/24 280/45 123/21 149/24 280/45 123/21 149/24 280/45 123/21 149/24 280/45 123/21 149/24 280/45 123/21 149/24 280/45 123/21 149/24 280/45 123/21 149/24 280/45 123/21 149/24 280/45 132/21 149/24 280/45 155 20  15 15 20  15  15                         		890 107( 3.13 154( 4.51 240/45 113/21 220/40 104/19 270/45 127/21 235/40 111/19 13.3 17.0 20.8  6.1 15 20 20  15 615R 6-20R 6-30R  6-15R 131/	922 00/9900 /2.90 00/13100 /3.84 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.5 18.6 22.8 	890 270/50 127/24 250/45 118/21 300/50 142/24 270/45 127/21 14.2 16.1 20.9  4.9 15 15 20  15  15    	1016 1016 1016 290/60 137/28 235/40 111/19 340/60 132/19 13.7 174 21.2 26.8 7.5 15 20 20 25 15 6-15R 6-20R 6-30R 6-30R 6-30R 6-15R	1035 5000/1395 4.39/4.08 9900/1350 5.83/5.42 315/65 1149/31 250/45 118/21 350/65 118/21 350/65 145/31 310/45 145/31 310/45 146/21 14.9 19.0 23.2 29.4 7.5 15 20 23.2 29.4 7.5 15 20 25 30 15 6-15R 6-20R 6-30R 6-30R 6-30R 6-30R	1016 100 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 14.2 161 21.0 25.8 6.3 15 15 20 25 15      	1302 1307 1007 1307 1007 1307 1007	1302 5000/1399 4.39/4.08 9900/1850 5.83/5.42 315/65 149/31 250/45 118/21 350/65 165/31 310/45 146/21 19.0 23.2 29.4 10.4  19.0 23.2 29.4 10.4  20 25 30 15  6-20R 6-30R 6-30R 6-15R 149/67.6	1302 1302 1302 1302 1302 149/31 250/45 148/21 350/65 165/31 310/45 165/31 310/45 146/21  16.1 21.0 25.8 8.0  15 20 25 15      

60 Hz, 1 phase
 Rated at low fan speed

Based on ASHRAE and ARI test conditions of 95°F (35.0°C) DB/75°F (23.9°C) WB outdoor air; 80°F (26.7°C) DB/67°F (19.4°C) WB indoor air.

Includes heater and fan motor

5 With positive pressure option

### **Typical Wiring Diagram – PMES (Air Conditioner)**

Manual changeover with electric heat (all voltages)



### **Typical Wiring Diagram – PMRS (Heat Pump)**

Manual changeover with electric heat (all voltages)



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### **Typical Wiring Diagram – PMEG (Air Conditioner)**

Manual changeover with hot water heat (all voltages)



### **Guide Specifications**

**Louver** — Shall be [stamped anodized aluminum] [architectural extruded aluminum] in natural finish. Louver shall be easily installed from inside of building after room cabinet/wall sleeve is set in place. (Louvers furnished by others must be approved as to free area and design by air conditioner manufacturer.)

**Room Cabinet/Wall Sleeve** — Shall be entirely constructed of zinc coated phosphatized steel. Top and sides shall be 18-gauge. Base pan shall be 16-gauge. The entire wall sleeve shall be coated with an electrostatically applied, baked-on, Antique lvory, appliance quality, powder paint for maximum corrosion protection.

Installed height of the room cabinet/wall sleeve shall not exceed 16<sup>3</sup>/<sub>8</sub>" (416mm). Installed height of room cabinet/wall sleeve with subbase shall not exceed 20<sup>3</sup>/<sub>8</sub>" (518mm) for electric heat or 22<sup>3</sup>/<sub>8</sub>" (568mm) for hydronic heat.

Discharge grilles shall be four four-position, [stamped] [extruded] aluminum to adjust conditioner air delivery pattern without use of tools.) Front panel shall be capable of being opened and/or removed without the use of tools.

**Heating/Cooling Chassis** — Shall be a slide-in, plug-in chassis with self-contained refrigerant circuit consisting of compressor, condenser fan and coil, evaporator fan and coil, refrigerant tubing and controls, electrical and operating controls, pressurized ventilation system and condensate removal system.

Chassis shall be readily installable in and removable from the wall sleeve without the use of tools. Compressor shall be welded hermetic, internally and externally vibration isolated with permanent split capacitor motor and overload protection. Refrigerant metering device shall consist of capillary restrictor.

Chassis shall be constructed of zinc coated, phosphatized steel parts for corrosion protection with the exception of the hermetically sealed compressor. All electrical components and controls shall be located in the indoor portion of the unit, away from weather and corrosion.

Evaporator and condenser fans shall be forward curved, aluminum centrifugal, statically and dynamically balanced. Fan assembly shall be driven by a three-speed, permanent split capacitor, permanently lubricated fan motor located in the conditioned airstream. Motor shall be provided with oilers for life extension relubrication. Condensate shall be removed by re-evaporation on the condenser coil surface without drip, splash or spray. Condensate shall not come in contact with fan or fan motor. Slinger rings and propeller fans are not acceptable.

Forced, filtered ventilation air shall be available year-round. Conditioner shall be equipped with concealed [manual] [motorized] ventilation damper operator. Electric heating elements shall be the quick response, low mass type with a high limit cut-out. First stage is automatic reset; second stage is non-resetting. [Hot water heating element shall be one-row serpentine coil. Coil shall be controlled by motorized, normally open valve.] [Steam heating element shall be one-row serpentine coil. Coil shall be controlled by motorized, normally closed valve.]

**Controls** — Shall be provided in a separable, plug-in module as part of the heating-cooling chassis. Control module shall consist of self-contained adjustable thermostat with Off-Heat-Cool-High-Low selector switches. A three-speed fan motor is supplied; two higher fan speeds are used on cooling mode, two lower on heating mode. A toggle switch selects constant or cycling fan.

The electric heater capacity is controlled by the high-low push buttons in conjunction with the fan speed. Low heat capacity is approximately 50% of high heat.

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