



# Marc Climatic Controls, Inc.

## HAZARDOUS LOCATION

Packaged Air Conditioners & Heat Pumps

*i-Series 2 to 20 Tons*

Class I, Division 2, Groups B, C, D

### PACX - PHPX "i" SERIES



**PACX118-436**

### Features:

- CSA certified assuring safety and performance.
- Spark-proof construction.
- Aluminum blower wheel(s) and condenser fan blade(s).
- Thermostat on intrinsically-safe circuit.
- NPT conduit connection and terminals for easy power and control wiring .
- No conduit seal required.
- Aluminum finned copper tube coils provide maximum transfer.
- Horizontal or down discharge air flow.
- Fully insulated evaporator section.
- Coil guard.

### Options:

- **Electric heat** with stainless steel finned-tubular elements (air conditioners only).
- Steam heat.
- Stainless steel cabinet.
- Corrosion coatings extend cabinet and coil life in harsh environments for reduced maintenance and increased long term cost savings.
- Tropicalization.
- Copper-finned copper tube coils.
- Complete ductwork system.
- Fresh air make-up with weatherhood.
- NFPA Type Z pressurization with motorized or pneumatic dampers (air conditioners only), or auxilliary blower(s).
- Top vertical supply air discharge.
- Disconnect.
- 50 HZ Service.
- TEFC or explosion-proof (Groups C,D) motors.
- Contacts for loss of air flow.

**PACKAGED AIR CONDITIONERS**  
**PACX-i SERIES**  
**R-22 (other refrigerants available)**  
**■ 60 HZ ■**

**HAZARDOUS LOCATIONS**  
**CLASS I, DIVISION 2, GROUPS B, C, D**  
**OPERATING TEMPERATURE CODE**  
**T3C - 320°F (160°C)**

The air conditioners shown below are certified by CSA International to U.S. and Canadian standards for use in Class I, Division 2, Groups B, C, D hazardous (classified) locations. CSA International is accredited as a Nationally Recognized Testing Laboratory by the U.S. Occupational Safety and Health Administration (OSHA).

Model	Nom. Tons	Cooling BTUH Gross (1)	Cooling BTUH Sensible	Volts Phase Hertz	MCA (2)	MFS (3)	Indoor Blower (4)	CFM & E.S.P. Cooling	Net Wt. LBS
PACX023-216	2	23,000	17,400	230/208-1-60	18.6	25	0.5 HP - DD	785 @ 0.7	335
PACX028-216	2.5	28,000	21,200	230/208-1-60	21.9	35	0.5 HP - DD	1085 @ 0.6	360
PACX035-216	3	35,000	27,300	230/208-1-60	29.4	40	0.75 HP - DD	1238 @ 0.8	380
PACX034-236	3	34,200	25,600	230/208-3-60	19.7	30	0.75 HP - DD	1382 @ 0.5	380
PACX034-436	3	34,200	25,600	460-3-60	10.0	15	0.75 HP - DD	1382 @ 0.5	380
PACX040-216	3.5	40,000	30,400	230/208-1-60	31.8	45	0.75 HP - DD	1476 @ 0.6	390
PACX044-216	4	44,500	33,800	230/208-1-60	40.1	50	1 HP - DD	1678 @ 0.6	440
PACX045-236	4	45,600	36,000	230/208-3-60	24.7	35	1 HP - DD	1879 @ 0.5	440
PACX045-436	4	45,600	36,000	460-3-60	10.4	15	1 HP - DD	1879 @ 0.5	440
PACX054-216	5	54,000	40,500	230/208-1-60	45.7	60	1 HP - DD	1962 @ 0.6	445
PACX058-236	5	58,600	43,900	230/208-3-60	30.6	45	1 HP - DD	2169 @ 0.5	445
PACX058-436	5	58,600	43,900	460-3-60	13.7	20	1 HP - DD	2169 @ 0.5	445
PACX088-236	7.5	88,700	64,700	230/208-3-60	40.1	45	2.4 BHP - BD	3000 @ 0.9	815
PACX088-436	7.5	88,700	64,700	460-3-60	18.4	20	2.4 BHP - BD	3000 @ 0.9	815
PACX118-236	10	117,800	89,500	230/208-3-60	43.1	50	2.4 BHP - BD	4000 @ 0.9	1015
PACX118-436	10	117,800	89,500	460-3-60	21.0	25	2.4 BHP - BD	4000 @ 0.9	1015
PACX144-236	12	144,600	104,100	230/208-3-60	60.6	70	5.25 BHP -BD	5000 @ 1.1	1030
PACX144-436	12	144,600	104,100	460-3-60	29.0	35	5.25 BHP -BD	5000 @ 1.1	1030
PACX187-236	15	187,200	134,700	230/208-3-60	82.0	110	5 HP - BD	6000 @ 0.9	1650
PACX187-436	15	187,200	134,700	460-3-60	41.0	50	5 HP - BD	6000 @ 0.9	1650
PACX245-236	20	245,300	183,900	230/208-3-60	124.0	150	7.5 HP - BD	8000 @ 1.1	1800
PACX245-436	20	245,300	183,900	460-3-60	61.0	80	7.5 HP - BD	8000 @ 1.1	1800

- (1) Rated at 95°F ambient with 80°DB / 67°WB return air temperature.
- (2) MCA: Minimum Circuit Ampacity.
- (3) MFS: Recommended Time Delay Fuse or HACR Type Circuit Breaker.
- (4) (B)HP = (Brake)Horsepower  
 DD = Direct Drive  
 BD = Belt Drive (higher external static is available with oversized motor).

- Note 1: Supply and return air discharge is convertible (horizontal or vertical) in sizes 2 to 12 ton.
- Note 2: 2 through 5 ton sizes are single compressor. 7.5 and larger are dual compressor.
- Specifications are subject to change without notice.
- 6-4-07



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C US

**PACKAGED HEAT PUMPS**  
**PHPX-i SERIES**  
**R-22 (other refrigerants available)**  
**▪ 60 HZ ▪**

**HAZARDOUS LOCATIONS**  
**CLASS I, DIVISION 2, GROUPS B, C, D**  
**OPERATING TEMPERATURE CODE**  
**T3C - 320°F (160°C)**

The heat pumps shown below are certified by CSA International to U.S. and Canadian standards for use in Class I, Division 2, Groups B, C, D hazardous (classified) locations. CSA International is accredited as a Nationally Recognized Testing Laboratory by the U.S. Occupational Safety and Health Administration (OSHA).

Model	Nom. Tons	Cooling BTUH Gross (1)	Cooling BTUH Sensible	Heating BTUH (2)	Volts Phase Hertz	MCA (3)	MFS (4)	Indoor Blower (5)	CFM & E.S.P. Cooling	Net Wt. LBS
PHPX023-216	2	23,000	17,500	22,000	230/208-1-60	18.6	30	0.5 HP - DD	785 @ 0.7	355
PHPX028-216	2.5	28,600	21,700	28,000	230/208-1-60	21.9	35	0.5 HP - DD	1044 @ 0.7	375
PHPX035-216	3	35,000	27,300	34,000	230/208-1-60	29.4	45	0.75 HP - DD	1284 @ 0.7	388
PHPX034-236	3	34,200	28,400	32,000	230/208-3-60	20.0	30	0.33 HP - DD	1382 @ 0.5	385
PHPX034-436	3	34,200	28,400	32,000	460-3-60	10.2	15	0.5 HP - DD	1382 @ 0.5	385
PHPX040-216	3.5	40,000	30,400	39,000	230/208-1-60	31.8	50	0.75 HP - DD	1439 @ 0.7	410
PHPX044-216	4	44,500	33,800	44,000	230/208-1-60	31.8	60	1 HP - DD	1632 @ 0.7	455
PHPX045-236	4	45,600	36,000	48,000	230/208-3-60	28.7	40	0.75 HP - DD	1879 @ 0.5	455
PHPX045-436	4	45,600	36,000	48,000	460-3-60	12.5	20	1 HP - DD	1879 @ 0.5	455
PHPX058-236	5	58,600	45,100	60,000	230/208-3-60	34.2	50	1 HP - DD	2169 @ 0.5	465
PHPX058-436	5	58,600	45,100	60,000	460-3-60	15.4	25	1 HP - DD	2169 @ 0.5	465
PHPX089-236	7.5	89,900	66,500	86,200	230/208-3-60	38.2	40	2.9 BHP - BD	3000 @ 0.9	1000
PHPX089-436	7.5	89,900	66,500	86,200	460-3-60	19.2	20	2.9 BHP - BD	3000 @ 0.9	1000
PHPX118-236	10	117,600	88,200	109,100	230/208-3-60	56.8	60	4.2 BHP - BD	4000 @ 0.9	1115
PHPX118-436	10	117,600	88,200	109,100	460-3-60	28.7	30	4.2 BHP - BD	4000 @ 0.9	1115
PHPX144-236	12	144,000	105,000	136,000	230/208-3-60	65.0	100	3.7 BHP - BD	4500 @ 1.1	1765
PHPX144-436	12	144,000	105,000	136,000	460-3-60	32	50	3.7 BHP - BD	4500 @ 1.1	1765
PHPX178-236	15	177,800	127,400	174,800	230/208-3-60	84	110	5 HP - BD	5200 @ 1.1	2075
PHPX178-436	15	177,800	127,400	174,800	460-3-60	42	50	5 HP - BD	5200 @ 1.1	2075

- (1) Rated at 95°F ambient with 80°DB / 67°WB return air temperature.
- (2) Heat pump is rated at 47°F ambient and 70°DB return air temperature.
- (3) MCA: Minimum Circuit Ampacity.
- (4) MFS: Recommended Time Delay Fuse or HACR Type Circuit Breaker.
- (5) (B)HP = (Brake) Horsepower  
 DD = Direct Drive  
 BD = Belt Drive (higher external static is available with oversized motor).

- Note 1: Supply and return air discharge is convertible (horizontal or vertical) in sizes 2 to 10 ton.
- Note 2: Sizes 2 through 5 ton are single compressor. 7.5 and 10 ton are dual compressor. 12 ton has one semi-hermetic compressor. 15 ton has two semi-hermetic compressors.
- Specifications are subject to change without notice.  
6-18-07



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