



# Marc Climatic Controls, Inc.

## HAZARDOUS LOCATION

Packaged Air Conditioners & Heat Pumps

**T-Series 1-1/2 to 20 Tons**

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

### PACX - PHPX "T" SERIES



**PACX150-436**

*With Optional Disconnect*

### 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-T SERIES - 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 | Refrigerant | 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 |
|-------------|-----------|-------------|------------------------|-----------------------|-------------------|---------|---------|-------------------|----------------------|-------------|
| PACX018-216 | 1.5       | R - 410A    | 17,800                 | 13,300                | 230/208-1-60      | 10.1    | 15      | 0.13 HP - DD      | 695 @ 0.5            | 410         |
| PACX024-216 | 2         | R - 410A    | 23,200                 | 16,700                | 230/208-1-60      | 13.6    | 20      | 0.25 HP - DD      | 720 @ 0.6            | 410         |
| PACX030-216 | 2.5       | R - 410A    | 28,000                 | 21,000                | 230/208-1-60      | 21.7    | 35      | 0.5 HP - DD       | 1030 @ 0.6           | 410         |
| PACX036-216 | 3         | R - 410A    | 35,000                 | 26,300                | 230/208-1-60      | 23.2    | 35      | 0.5 HP - DD       | 1215 @ 0.5           | 425         |
| PACX036-236 | 3         | R - 410A    | 35,000                 | 26,300                | 230/208-3-60      | 18.2    | 30      | 0.5 HP - DD       | 1215 @ 0.5           | 425         |
| PACX036-436 | 3         | R - 410A    | 35,000                 | 26,300                | 460-3-60          | 8.7     | 15      | 0.5 HP - DD       | 1215 @ 0.5           | 425         |
| PACX042-216 | 3.5       | R - 410A    | 39,900                 | 29,800                | 230/208-1-60      | 27.9    | 45      | 0.5 HP - DD       | 1450 @ 0.6           | 455         |
| PACX048-216 | 4         | R - 410A    | 46,500                 | 34,900                | 230/208-1-60      | 31.1    | 50      | 0.75 HP - DD      | 1650 @ 0.6           | 540         |
| PACX048-236 | 4         | R - 410A    | 46,500                 | 34,900                | 230/208-3-60      | 23.6    | 35      | 0.75 HP - DD      | 1650 @ 0.6           | 540         |
| PACX048-436 | 4         | R - 410A    | 46,500                 | 34,900                | 460-3-60          | 11.7    | 15      | 0.75 HP - DD      | 1650 @ 0.6           | 540         |
| PACX060-216 | 5         | R - 410A    | 58,500                 | 41,600                | 230/208-1-60      | 43.3    | 60      | 1 HP - DD         | 2015 @ 0.6           | 545         |
| PACX060-236 | 5         | R - 410A    | 58,500                 | 41,600                | 230/208-3-60      | 31.5    | 50      | 1 HP - DD         | 2015 @ 0.6           | 545         |
| PACX060-436 | 5         | R - 410A    | 58,500                 | 41,600                | 460-3-60          | 19.3    | 25      | 1 HP - DD         | 2015 @ 0.6           | 545         |
| PACX072-236 | 6         | R - 22      | 72,000                 | 53,600                | 230/208-3-60      | 32.7    | 50      | 1 HP - BD         | 2400 @ 0.70          | 740         |
| PACX072-436 | 6         | R - 22      | 72,000                 | 53,600                | 460-3-60          | 17.6    | 25      | 1 HP - BD         | 2400 @ 0.70          | 740         |
| PACX090-236 | 7.5       | R - 22      | 92,000                 | 71,100                | 230/208-3-60      | 38.9    | 50      | 2 HP - BD         | 3000 @ 1.0           | 815         |
| PACX090-436 | 7.5       | R - 22      | 92,000                 | 71,100                | 460-3-60          | 20.5    | 25      | 2 HP - BD         | 3000 @ 1.0           | 815         |
| PACX102-236 | 8.5       | R - 22      | 105,000                | 80,100                | 230/208-3-60      | 45.1    | 60      | 2 HP - BD         | 3400 @ 0.8           | 935         |
| PACX102-436 | 8.5       | R - 22      | 105,000                | 80,100                | 460-3-60          | 24.0    | 30      | 2 HP - BD         | 3400 @ 0.8           | 935         |
| PACX120-236 | 10        | R - 22      | 118,000                | 93,000                | 230/208-3-60      | 52.6    | 60      | 3 HP - BD         | 4000 @ 1.1           | 1030        |
| PACX120-436 | 10        | R - 22      | 118,000                | 93,000                | 460-3-60          | 26.9    | 35      | 3 HP - BD         | 4000 @ 1.1           | 1030        |
| PACX150-236 | 12.5      | R - 22      | 149,000                | 106,000               | 230/208-3-60      | 63.0    | 80      | 3 HP - BD         | 5000 @ 1.1           | 1470        |
| PACX150-436 | 12.5      | R - 22      | 149,000                | 106,000               | 460-3-60          | 33.0    | 40      | 3 HP - BD         | 5000 @ 1.1           | 1470        |
| PACX180-236 | 15        | R - 22      | 184,000                | 130,000               | 230/208-3-60      | 78.0    | 90      | 3 HP - BD         | 6000 @ 0.6           | 1650        |
| PACX180-436 | 15        | R - 22      | 184,000                | 130,000               | 460-3-60          | 39.0    | 50      | 3 HP - BD         | 6000 @ 0.6           | 1650        |
| PACX210-236 | 17.5      | R - 22      | 210,000                | 164,000               | 230/208-3-60      | 88.0    | 100     | 5 HP - BD         | 7000 @ 0.6           | 1810        |
| PACX210-436 | 17.5      | R - 22      | 210,000                | 164,000               | 460-3-60          | 44.0    | 50      | 5 HP - BD         | 7000 @ 0.6           | 1810        |
| PACX240-236 | 20        | R - 22      | 246,000                | 176,000               | 230/208-3-60      | 100.0   | 125     | 5 HP - BD         | 8000 @ 0.9           | 2065        |
| PACX240-436 | 20        | R - 22      | 246,000                | 176,000               | 460-3-60          | 50.0    | 60      | 5 HP - BD         | 8000 @ 0.9           | 2065        |

- (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) HP = 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 1.5 to 10 ton. Specify for 12.5 ton and larger.  
 Note 2: 1.5 through 6 ton sizes are single compressor. 7.5 ton and larger are dual compressor.  
 Specifications are subject to change without notice.  
 6-5-07



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# PACKAGED HEAT PUMPS PHPX-T SERIES - 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 | Refrigerent | 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 |
|-------------|-----------|-------------|------------------------|-----------------------|------------------|-------------------|---------|---------|-------------------|----------------------|-------------|
| PHPX018-216 | 1.5       | R-410A      | 17,800                 | 13,300                | 18,000           | 230/208-1-60      | 10.6    | 15      | 0.13 HP - DD      | 695 @ 0.5            | 410         |
| PHPX024-216 | 2         | R-22        | 22,730                 | 16,680                | 22,400           | 230/208-1-60      | 12.5    | 30      | 0.25 HP - DD      | 720 @ 0.6            | 420         |
| PHPX030-216 | 2.5       | R-22        | 27,900                 | 20,300                | 28,600           | 230/208-1-60      | 17.1    | 25      | 0.5 HP - DD       | 1030 @ 0.6           | 420         |
| PHPX036-216 | 3         | R-410A      | 35,000                 | 25,900                | 37,200           | 230/208-1-60      | 25.5    | 40      | 0.5 HP - DD       | 1215 @ 0.5           | 435         |
| PHPX036-236 | 3         | R-410A      | 35,000                 | 25,900                | 37,200           | 230/208-3-60      | 18.2    | 30      | 0.5 HP - DD       | 1215 @ 0.5           | 435         |
| PHPX036-436 | 3         | R-410A      | 35,000                 | 25,900                | 37,200           | 460-3-60          | 8.7     | 15      | 0.5 HP - DD       | 1215 @ 0.5           | 435         |
| PHPX042-216 | 3.5       | R-22        | 40,000                 | 30,400                | 40,000           | 230/208-1-60      | 24.6    | 40      | 0.5 HP - DD       | 1450 @ .06           | 460         |
| PHPX048-216 | 4         | R-410A      | 46,500                 | 34,900                | 47,000           | 230/208-1-60      | 31.1    | 50      | 0.75 HP - DD      | 1650 @ 0.6           | 485         |
| PHPX048-236 | 4         | R-410A      | 46,500                 | 34,900                | 47,000           | 230/208-3-60      | 23.6    | 35      | 0.75 HP - DD      | 1650 @ 0.6           | 485         |
| PHPX048-436 | 4         | R-410A      | 46,500                 | 34,900                | 47,000           | 460-3-60          | 11.7    | 15      | 0.75 HP - DD      | 1650 @ 0.6           | 485         |
| PHPX060-216 | 5         | R-410A      | 58,400                 | 42,500                | 59,500           | 230/208-1-60      | 43.5    | 60      | 0.5 HP - DD       | 2015 @ 0.6           | 550         |
| PHPX060-236 | 5         | R-410A      | 58,400                 | 42,500                | 59,500           | 230/208-3-60      | 31.7    | 50      | 0.5 HP - DD       | 2015 @ 0.6           | 550         |
| PHPX060-436 | 5         | R-410A      | 58,400                 | 42,500                | 59,500           | 460-3-60          | 19.5    | 25      | 0.5 HP - DD       | 2015 @ 0.6           | 550         |
| PHPX072-236 | 6         | R-22        | 74,000                 | 57,800                | 68,600           | 230/208-3-60      | 32.2    | 50      | 1 HP - BD         | 2400 @ 0.60          | 785         |
| PHPX072-436 | 6         | R-22        | 74,000                 | 57,800                | 68,600           | 460-3-60          | 16.6    | 25      | 1 HP - BD         | 2400 @ 0.60          | 785         |
| PHPX090-236 | 7.5       | R-22        | 93,000                 | 71,600                | 86,600           | 230/208-3-60      | 41.4    | 60      | 1 HP - BD         | 3000 @ 0.5           | 945         |
| PHPX090-436 | 7.5       | R-22        | 93,000                 | 71,600                | 86,600           | 460-3-60          | 21.9    | 35      | 1 HP - BD         | 3000 @ 0.5           | 945         |
| PHPX120-236 | 10        | R-22        | 121,000                | 94,800                | 109,800          | 230/208-3-60      | 50.4    | 60      | 2 HP - BD         | 4000 @ 0.6           | 1090        |
| PHPX120-436 | 10        | R-22        | 121,000                | 94,800                | 109,800          | 460-3-60          | 26.4    | 35      | 2 HP - BD         | 4000 @ 0.6           | 1090        |
| PHPX150-236 | 12.5      | R-22        | 152,000                | 109,000               | 133,900          | 230/208-3-60      | 72.0    | 80      | 3 HP - BD         | 5000 @ 1.0           | 1510        |
| PHPX150-436 | 12.5      | R-22        | 152,000                | 109,000               | 133,900          | 460-3-60          | 34.0    | 40      | 3 HP - BD         | 5000 @ 1.0           | 1510        |
| PHPX180-236 | 15        | R-22        | 180,000                | 128,000               | 168,800          | 230/208-3-60      | 76.0    | 90      | 5 HP - BD         | 6000 @ 0.7           | 1640        |
| PHPX180-436 | 15        | R-22        | 180,000                | 128,000               | 168,800          | 460-3-60          | 39.0    | 45      | 5 HP - BD         | 6000 @ 0.7           | 1640        |
| PHPX240-236 | 20        | R-22        | 233,000                | 176,000               | 205,800          | 230/208-3-60      | 96.0    | 125     | 5 HP - BD         | 8000 @ 0.9           | 2160        |
| PHPX240-436 | 20        | R-22        | 233,000                | 176,000               | 205,800          | 460-3-60          | 49.0    | 60      | 5 HP - BD         | 8000 @ 0.9           | 2160        |

- (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) HP = Horsepower  
DD = Direct Drive  
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- Note 1: Supply and return air discharge is convertible (horizontal or vertical) in sizes 1.5 to 10 ton. Specify for 12.5 ton and larger.
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