



# Marc Climatic Controls, Inc.

## **IEC ZONE 2 HAZARDOUS AREA** **Wall Mount Air Conditioner-Pressurizer** **WCPF Series for Analyzer Shelters and** **Similar Enclosures**

### **Positive Pressurization & Ventilation**

- **IEC Zone 2, Gas Group IIB, Temperature Class T3 (200°C).**
- *Cool, heat, & pressurize from a single unit.*
- *Maintains positive room pressure and provides make-up air for ventilation.*
- *Purge blower automatically delivers maximum air flow through open doors.*
- *Saves installation time and wall space.*
- *Zone-rated electric heat.*

#### **Features:**

- Only one cut-out required in building wall.
- Completely pre-wired for fast installation.
- Room pressure gauge, thermostat, and selector switches conveniently located on control panel door.
- Room pressure is easily adjustable from inside the room.
- Spark-proof construction.
- Armored and sheathed power cables.
- Non-sparking motors (protection type "de").
- Flameproof enclosure for arcing components (protection type "d").
- Intrinsically safe circuit for thermostat (protection type "ia").
- Electric heat (protection type "de").
- Fresh air stack connection.

#### **WCPF-H SERIES**



#### **Options:**

- Stainless steel cabinet for maximum protection.
- Corrosion coatings extend cabinet and coil life in harsh environments for reduced maintenance and increased long-term cost savings.
- Copper-finned, copper tube coils.
- Steam heating coil integral to unit allows for low cost heating.
- Humidistat.
- Disconnect.
- 50 HZ service.
- Fresh air stack with raincap and birdscreen. (specify guy-wire type or free standing).
- Special customer requirements.
- Gas Group IIC.

**WALL MOUNT  
AIR CONDITIONER-  
PRESSURIZER  
WCPF-H SERIES**

**HAZARDOUS AREA  
IEC ZONE 2, GAS GROUP IIB,  
TEMPERATURE CLASS T3 (200°C)  
- 60 HZ -**

The air conditioner-pressurizers shown below are suitable for use in IEC Zone 2, IIB, T3 hazardous areas. These systems are used to provide cooling, heating, and positive pressure inside a closed analyzer shelter or similar room while providing make-up air for purging and forced ventilation through the shelter's wall louvers. In addition, the system provides make-up air for purging through shelter doors when opened.

<i>Model</i>	<i>Cooling BTUH *</i>	<i>Standard Heat (KW)</i>	<i>Optional Heat (KW)</i>	<i>Volts Phase Hertz</i>	<i>Number of 3' x 7' Doors for 60 FPM Purge</i>
WCPF018-216-03H	18,300	3	5	230/208-1-60	ONE
WCPF024-216-03H	24,000	3	5	230/208-1-60	ONE
WCPF024-236-03H	24,000	3	4.5	230/208-3-60	ONE
WCPF030-216-06H	31,000	6	4.5, 7.5, 9	230/208-1-60	UP TO TWO
WCPF030-236-06H	31,000	6	4.5, 9	230/208-3-60	UP TO TWO
WCPF030-436-06H	31,000	6	4.5, 9, 12	460-3-60	UP TO TWO
WCPF036-216-06H	36,000	6	4.5, 7.5, 9	230/208-1-60	UP TO TWO
WCPF036-236-06H	36,000	6	4.5, 9	230/208-3-60	UP TO TWO
WCPF036-436-06H	36,000	6	4.5, 9, 12	460-3-60	UP TO TWO
WCPF042-216-06H	43,000	6	5, 8, 9, 10, 12	230/208-1-60	UP TO THREE
WCPF042-236-09H	43,000	9	6, 12, 18	230/208-3-60	UP TO THREE
WCPF042-436-09H	43,000	9	6, 12, 18	460-3-60	UP TO THREE
WCPF048-216-06H	47,500	6	5, 8, 9, 10, 12	230/208-1-60	UP TO THREE
WCPF048-236-09H	47,500	9	6, 12, 18	230/208-3-60	UP TO THREE
WCPF048-436-09H	47,500	9	6, 12, 18	460-3-60	UP TO THREE
WCPF060-216-06H	57,500	6	5, 8, 9, 10, 12	230/208-1-60	UP TO THREE
WCPF060-236-09H	57,500	9	6, 12, 18	230/208-3-60	UP TO THREE
WCPF060-436-09H	57,500	9	6, 12, 18	460-3-60	UP TO THREE
WCPF070-236-09H	67,000	9	6, 12, 18	230/208-3-60	UP TO THREE
WCPF070-436-09H	67,000	9	6, 12, 18	460-3-60	UP TO THREE

\* Rated at 95°F ambient with 80° DB / 67°WB return air temperature.

Specifications are subject to change without notice.

6-16-05 (Supersedes 10-24-03)



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**WALL MOUNT  
AIR CONDITIONER-  
PRESSURIZER  
WCPF-H SERIES**

**HAZARDOUS AREA  
IEC ZONE 2, GAS GROUP IIB,  
TEMPERATURE CLASS T3 (200°C)  
- 50 HZ -**

The air conditioner-pressurizers shown below are suitable for use in IEC Zone 2, IIB, T3 hazardous areas. These systems are used to provide cooling, heating, and positive pressure inside a closed analyzer shelter or similar room while providing make-up air for purging and forced ventilation through the shelter's wall louvers. In addition, the system provides make-up air for purging through shelter doors when opened.

<i>Model</i>	<i>Cooling BTUH *</i>	<i>Standard Heat (KW)</i>	<i>Optional Heat (KW)</i>	<i>Volts Phase Hertz</i>	<i>Number of 3' x 7' Doors for 60 FPM Purge</i>
WCPF015-215-04H	15,200	4.2	6.7, 8.3	220-1-50	ONE
WCPF020-215-04H	20,000	4.2	6.7, 8.3	220-1-50	ONE
WCPF020-235-05H	20,000	5	7.5	220-3-50	ONE
WCPF025-215-06H	25,800	6.7	4.2, 8.3, 12.5	220-1-50	UP TO TWO
WCPF025-235-05H	25,800	5	7.5, 12.5	220-3-50	UP TO TWO
WCPF025-435-05H	25,800	5	7.5, 12.5	380/420-3-50	UP TO TWO
WCPF030-215-06H	30,000	6.7	4.2, 8.3, 12.5	220-1-50	UP TO TWO
WCPF030-235-05H	30,000	5	7.5, 12.5	220-3-50	UP TO TWO
WCPF030-435-05H	30,000	5	7.5, 12.5	380/420-3-50	UP TO TWO
WCPF035-215-08H	35,800	8.3	4.2, 6.7, 12.5	220-1-50	UP TO THREE
WCPF035-235-07H	35,800	7.5	12.5, 15	220-3-50	UP TO THREE
WCPF035-435-07H	35,800	7.5	12.5, 15	380/420-3-50	UP TO THREE
WCPF040-215-08H	39,500	8.3	4.2, 6.7, 12.5	220-1-50	UP TO THREE
WCPF040-235-07H	39,500	7.5	12.5, 15	220-3-50	UP TO THREE
WCPF040-435-07H	39,500	7.5	12.5, 15	380/420-3-50	UP TO THREE
WCPF048-215-08H	47,900	8.3	4.2, 6.7, 12.5	220-1-50	UP TO THREE
WCPF048-235-07H	47,900	7.5	12.5, 15	220-3-50	UP TO THREE
WCPF048-435-07H	47,900	7.5	12.5, 15	380/420-3-50	UP TO THREE
WCPF056-235-07H	55,800	7.5	12.5, 15	220-3-50	UP TO THREE
WCPF056-435-07H	55,800	7.5	12.5, 15	380/420-3-50	UP TO THREE

\* Rated at 95°F ambient with 80° DB / 67° WB return air temperature.

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