



Marc Climatic Controls, Inc.

**COMBUSTIBLE DUST HAZARDOUS
LOCATION**

50 HZ

**Room Air Conditioners
Class II, Division 2, Groups F, G**

Model RCBX20-50-F2 shown here, is typical of Marc room air conditioners for use in Class II, Division 2, Groups F, G hazardous (classified) locations. Typical installations include locations where combustible dust is not normally in the air in sufficient quantities to produce explosive or ignitable mixtures, and accumulation of dust is not normally sufficient to interfere with normal operation of electrical equipment or other apparatus, but combustible dust may be in suspension in the air from infrequent malfunction of handling or processing equipment; and where there may be sufficient dust accumulation on, in, or near the electrical equipment so as to interfere with the safe dissipation of heat from electrical equipment or the dust may be ignitable by abnormal operation or failure of electrical equipment (refer to NFPA 70, N.E.C., 500.5(C)(2) for additional information).

RCBX-F2 SERIES



Features:

- Spark-proof construction.
- Dust-Ignitionproof motor.
- Intrinsically safe thermostat and selector switch.
- Self-contained with integral controls reduces installation time and cost.
- 3/4" NPT conduit connection and terminals for easy power connection.
- Aluminum-finned copper tube coils provide maximum transfer.
- Fully insulated plenum chamber for quiet operation.
- Totally recirculating indoor air.
- Washable filter reduces inventory and maintenance costs.

Options:

- 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.
- Thermostat with Fahrenheit or Celsius scales for easy adjustment to desired room temperature.
- Low volume fresh air intake and/or exhaust.

ROOM AIR CONDITIONERS RCBX-F2 SERIES

- 50 HZ -

COMBUSTIBLE DUST HAZARDOUS LOCATION CLASS II, DIVISION 2, GROUPS F, G

OPERATING TEMPERATURE CODE
T3B - 329°F (165°C)

Model	BTUH Cooling	KCAL/HR	Volts Phase Hertz	Fuse Size (1)	Field Wire Size (2)	CFM Air Delivery	Cabinet Size	Shipping Weight	
								LBS	KGS
RCBX14-50-F2	14,500	3654	220-1-50	20	12	300	C	445	202
RCBX20-50-F2	20,000	5040	220-1-50	30	10	330	C	445	202
RCBX23-50-F2	23,200	5847	220-1-50	35	8	500	D	495	225
RCBX30-50-F2	29,300	7384	220-1-50	40	8	600	D	515	234

(1) Time Delay Fuse or HACR Type Circuit Breaker.
(2) 75° C Copper Wire Size.

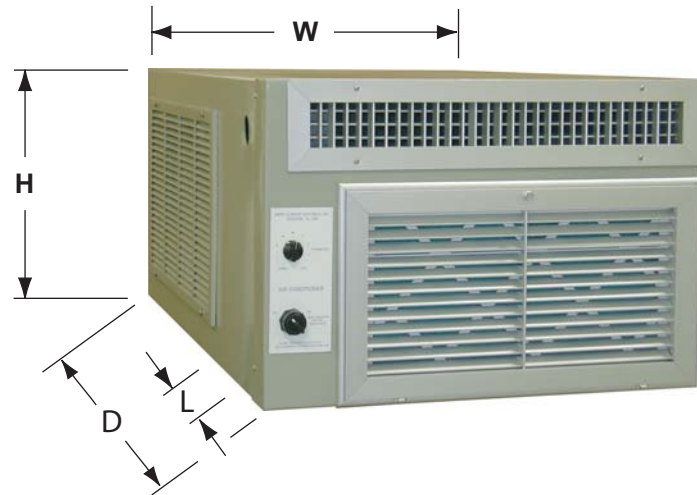
INSTALLATION NOTES:

- Add 1/4" to height and width for wall cut-out.
- Unit has connection for 3/4" conduit on left side near top of cabinet.

IMPORTANT NOTICE:

It is essential to know the **lower** of the Cloud and Layer minimum ignition temperatures of your combustible dust. The minimum ignition temperature of a Layer of a specific dust is normally lower than that of a Cloud of that same dust, although not in every case. Minimum ignition temperatures for various combustible dusts can be found in NFPA 70 (N.E.C.), Article 500, Table 5.2.

These air conditioners are rated T3B and may be used in an area with a T3B (329°F, 165°C), T3A (356°F, 180°C), or higher rating.



	H	W	D	* L	
C	18	26	44-1/4	6-3/4	INCHES
	458	661	1124	172	MM
D	20-1/4	28	51	10	INCHES
	515	712	1296	254	MM

L - Maximum Wall Thickness (Cabinet can be extended for greater wall thickness).

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE 10-18-06 (Supersedes 11-28-05)



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