



Marc Climatic Controls, Inc.

Wall Mount Air Conditioners

Indoor (Evaporator) Section Class I, Division 1, Groups C,D
Outdoor (Condenser) Section Class I, Division 2, Groups C,D

- Provides cooling and forced air ventilation (when equipped) to analyzer shelters and other enclosures in hazardous locations.
- Certified by CSA International to U.S. and Canadian standards. The indoor (evaporator) section is for Division 1 and the outdoor (condenser) section is for Division 2 hazardous (classified) locations. CSA International is accredited as a Nationally Recognized Testing Laboratory (NRTL) by the U.S. Occupational Safety and Health Administration (OSHA).

Features:

- **R-410A** refrigerant.
- CSA certified assuring safety and performance.
- Spark-proof construction.
- Explosion-proof indoor motor.
- Nema 4,7 controls enclosure with three NPT conduit entries in the bottom: 1/2", 3/4", and 1".
- Intrinsically safe control circuit for thermostat.
- Aluminum blower wheels and condenser fan blade.
- High & Low refrigerant pressure switches.
- Fully insulated evaporator section.
- Indoor air is totally recirculating.
- Use with or without indoor duct.
- Aluminum-finned copper tube coils provide maximum transfer.
- Side and bottom mounting angles furnished.

WCBX-C12 SERIES –



Options:

- Stainless steel cabinet.
- Industrial coatings on coils and/or cabinet for additional corrosion protection.
- Copper-finned copper tube coils.
- Steam heating coil.
- Thermostat for intrinsically safe circuit (can be factory installed on return air filter grille, complete with plug connector, or shipped separately).
- Supply air grille and return air filter grille.
- Fresh air inlet hood with damper, or stack with bird screen and rain cap.
- Auxiliary blower for rapid fresh air ventilation.
- Disconnect.
- Air flow switch for loss of air flow alarm.
- Hot gas bypass.
- Compressor anti-short cycle protection.

WALL MOUNT AIR CONDITIONERS WCBX-C12 SERIES

- 60 HZ -

**CLASS I, DIVISION 1, GROUPS C,D in the
evaporator (indoor) section, and
CLASS I, DIVISION 2, GROUPS C,D in the
condenser (outdoor) section**

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

R-410A Non-Ozone Depleting Refrigerant

The air conditioners shown below are certified by CSA International to U.S. and Canadian standards for hazardous (classified) locations Class I, Division 1, Groups C,D in the evaporator (indoor) section and Class I, Division 2, Groups C,D in the condenser (outdoor) section. CSA International is accredited as a Nationally Recognized Testing Laboratory by the U.S. Occupational Safety and Health Administration (OSHA).

Model	Cooling BTUH (1)	Volts Phase Hertz	Unit Amps	Minimum Circuit Ampacity	Maximum Fuse Size (2)	Field Wire Size (3)	CFM & E.S.P. Cooling	Cabinet Size	Net Weight LBS
WCBX018-216-C12	16,400	230/208-1-60	12.8	15	20	12	800 @ 0.20	B	460
WCBX024-216-C12	24,000	230/208-1-60	18.0	22	30	10	800 @ 0.20	B	460
WCBX024-236-C12	24,000	230/208-3-60	11.7	14	20	12	800 @ 0.20	B	460
WCBX024-436-C12	24,000	460-3-60	7.6	9	15	12	800 @ 0.20	B	460
WCBX030-216-C12	29,600	230/208-1-60	20.3	24	35	8	1190 @ 0.20	C	515
WCBX030-236-C12	29,600	230/208-3-60	13.0	16	20	12	1190 @ 0.20	C	515
WCBX030-436-C12	29,600	460-3-60	8.2	10	15	12	1190 @ 0.20	C	515
WCBX036-216-C12	35,400	230/208-1-60	24.7	30	40	8	1190 @ 0.20	C	515
WCBX036-236-C12	35,400	230/208-3-60	17.6	21	30	10	1190 @ 0.20	C	515
WCBX036-436-C12	35,400	460-3-60	8.9	11	15	12	1190 @ 0.20	C	515
WCBX042-216-C12	41,000	230/208-1-60	26.9	32	45	8	1550 @ 0.20	D	660
WCBX042-236-C12	41,000	230/208-3-60	18.0	22	30	10	1550 @ 0.20	D	660
WCBX042-436-C12	41,000	460-3-60	8.6	11	15	12	1550 @ 0.20	D	660
WCBX048-216-C12	47,000	230/208-1-60	29.9	36	50	8	1550 @ 0.20	D	660
WCBX048-236-C12	47,000	230/208-3-60	20.7	25	35	8	1550 @ 0.20	D	660
WCBX048-436-C12	47,000	460-3-60	9.6	12	15	12	1550 @ 0.20	D	660
WCBX060-216-C12	55,000	230/208-1-60	33.5	40	60	8	1800 @ 0.20	D	660
WCBX060-236-C12	55,000	230/208-3-60	20.7	25	35	8	1800 @ 0.20	D	660
WCBX060-436-C12	55,000	460-3-60	10.4	13	20	12	1800 @ 0.20	D	660
WCBX070-216-C12	68,000	230/208-1-60	40.5	49	70	6	1800 @ 0.20	E	680
WCBX070-236-C12	68,000	230/208-3-60	33.6	41	60	8	1800 @ 0.20	E	680
WCBX070-436-C12	68,000	460-3-60	17.3	21	30	10	1800 @ 0.20	E	680

(1) Rated at 95°F ambient with 80°DB / 67°WB return air temperature.

(2) Recommended Time Delay Fuse or HACR Type Circuit Breaker.

(3) 75°C Copper Wire Size. Wire sizes shown are for 104°F maximum

ambient. Refer to N.E.C. Table 310.16 for other ambient correction factors.

Specifications are subject to change without notice.

8-20-09 (Supersedes 9-3-08)



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WALL MOUNT AIR CONDITIONERS WCBX-C12 SERIES

- 50 HZ -

**CLASS I, DIVISION 1, GROUPS C,D in the
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CLASS I, DIVISION 2, GROUPS C,D in the
condenser (outdoor) section**

**OPERATING TEMPERATURE CODE
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WCBX015-215-C12	13,600	220-1-50	12.8	15	20	12	660 @ 0.20	B	460
WCBX020-215-C12	20,000	220-1-50	18.0	22	30	10	660 @ 0.20	B	460
WCBX020-235-C12	20,000	220-3-60	11.7	14	20	12	660 @ 0.20	B	460
WCBX020-435-C12	20,000	380/420-3-50	7.6	9	15	12	660 @ 0.20	B	460
WCBX025-215-C12	24,600	220-1-50	20.3	24	35	8	990 @ 0.20	C	515
WCBX025-235-C12	24,600	220-3-60	13.0	16	20	12	990 @ 0.20	C	515
WCBX025-435-C12	24,600	380/420-3-50	8.2	10	15	12	990 @ 0.20	C	515
WCBX030-215-C12	29,500	220-1-50	24.7	30	40	8	990 @ 0.20	C	515
WCBX030-235-C12	29,500	220-3-60	17.6	21	30	10	990 @ 0.20	C	515
WCBX030-435-C12	29,500	380/420-3-50	8.9	11	15	12	990 @ 0.20	C	515
WCBX036-215-C12	34,100	220-1-50	26.9	32	45	8	1290 @ 0.20	D	660
WCBX036-235-C12	34,100	220-3-60	18.0	22	30	10	1290 @ 0.20	D	660
WCBX036-435-C12	34,100	380/420-3-50	8.6	11	15	12	1290 @ 0.20	D	660
WCBX040-215-C12	39,100	220-1-50	29.9	36	50	8	1290 @ 0.20	D	660
WCBX040-235-C12	39,100	220-3-60	20.7	25	35	8	1290 @ 0.20	D	660
WCBX040-435-C12	39,100	380/420-3-50	9.6	12	15	12	1290 @ 0.20	D	660
WCBX048-215-C12	45,800	220-1-50	33.5	40	60	8	1500 @ 0.20	D	660
WCBX048-235-C12	45,800	220-3-60	20.7	25	35	8	1500 @ 0.20	D	660
WCBX048-435-C12	45,800	380/420-3-50	10.4	13	20	12	1500 @ 0.20	D	660
WCBX060-215-C12	56,600	220-1-50	40.5	49	70	6	1500 @ 0.20	E	680
WCBX060-235-C12	56,600	220-3-60	33.6	41	60	8	1500 @ 0.20	E	680
WCBX060-435-C12	56,600	380/420-3-50	17.3	21	30	10	1500 @ 0.20	E	680

(1) Rated at 95°F ambient with 80°DB / 67°WB return air temperature.

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