



Corsaire[®]
SERIES

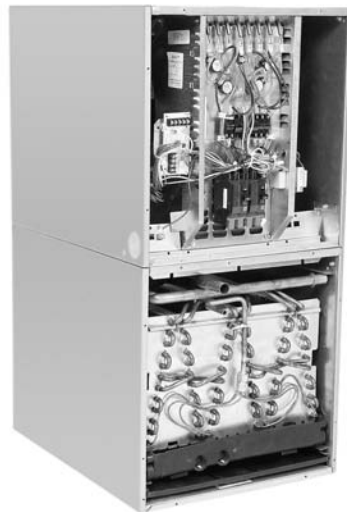
HEAT PUMP AIR HANDLERS

**AHBA-

featuring R-22 Refrigerant

**AHBL-

featuring Earth-Friendly
R-410A Refrigerant



Features

- Only 35" tall and 4-way convertible for all those tight spaces.
- Available from factory in upflow and horizontal configurations.
- Nominal airflow up to 0.5" external static pressure with reduced airflow up to 1.0" external static pressure.
- Factory installed MultiFlex[®] coils.
- Sturdy double wall construction with .5 inch [12.7 mm] of foil faced insulation for excellent sound and insulating characteristics.
- Permanent, easily accessible and washable filter furnished standard.
- Circuit breaker (standard on units with more than 11 kW) meets U.L. and cUL requirements for service disconnect.
- Factory installed auxiliary electric heat provides exact heat for indoor comfort over a variety of applications.
- Watt restrictors, standard on 17AHB* models above 6 kW and on 21, 24 and 25AHB* models above 11 kW, stage supplemental heat so that only the necessary amount is engaged to maintain comfort in the conditioned space.
- Fan settings for selectable, customized cooling airflow over a wide variety of applications.



Engineering Features

AHBA-/AHBL- Series

- Quiet, efficient X-13 motor technology providing nominal airflow to 0.5 inch [12 kPa] of external static pressure.
- Field selectable airflow to meet the requirements of particular applications.
- Low continuous fan speed.
- The most compact unit design available.
- Attractive pre-painted cabinet exterior.
- Rugged double wall steel cabinet construction, designed for added strength and versatility.
- .5" foil faced insulation mechanically retained in blower compartment.
- Four leg rubber insulated wire motor mount.
- Circuit breakers standard on models above 11 kW and optional on models with 11 kW or less.
- Models supplied with circuit breakers meet UL and cUL requirements as a service disconnect switch.
- Provisions for field electrical connections from either side of air handler cabinet.
- Tab lock blower housing with integrated electric heaters, controls, motor and blower. Slide out design for service and maintenance convenience.
- Exclusive dependable Incoloy sheath type electric heating elements located in the blower housing provide mixed warm air.
- Field convertible for vertical upflow, vertical downflow, horizontal left hand or right hand air supply.
- Common combustible floor base accessory fits all model sizes when required for downflow installations on combustible floors.
- Durable framed cleanable air filter provided as standard in unit filter rack.
- MultiFlex® indoor coil design provides low air side pressure drop, high performance and extremely compact size. All coils come with PVC condensate elbow standard.
- All indoor coils have copper tubing and aluminum fins.
- Molded polymer corrosion resistant condensate drain pan is provided on all indoor coils.
- Both supply and return duct flanges provided as standard on air handler cabinet.
- Connection points for both high voltage and low voltage control wiring inside air handler cabinet.
- Concentric knockouts are provided for power connection to cabinet. Installer may pull desired hole size up to 2 inches [51 mm] for 1½ inch [38 mm] conduit.
- Patented watt restrictor on heat pump models to control electric heat during heating operation.
- Internal checked TX valves are used on the RCHJ & RCHL Heat Pump indoor coil for more quiet refrigerant metering.
- Front refrigerant and drain connections.

Watt-restrictor

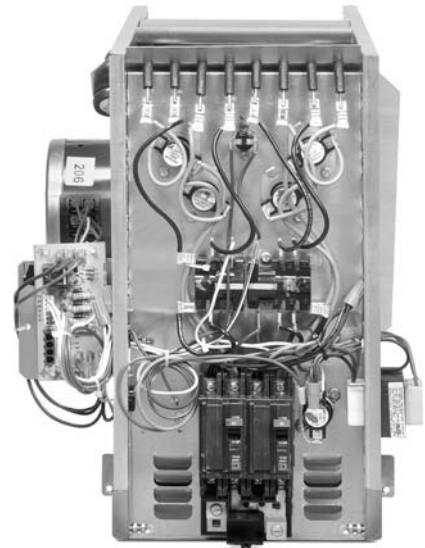
Supplemental heat, provided by electric heating elements may be necessary in some areas when heating requirements for indoor comfort exceed the capacity of the heat pump system. When supplemental heat is required, units with the Watt Restrictor will restrict the amount of supplemental electric heat that can be energized dependent on the heat output of the heat pump (temperature of the air leaving the indoor heat pump coil).

The Watt-restrictor utilizes sensing devices in the unit to sense the air temperature leaving the indoor coil and disengage unnecessary heating elements when that temperature is at least 85°F [29°C]. (In this mode your system is controlled by the first stage of the wall thermostat.) This occurs only when the second stage of the wall thermostat calls for heat.

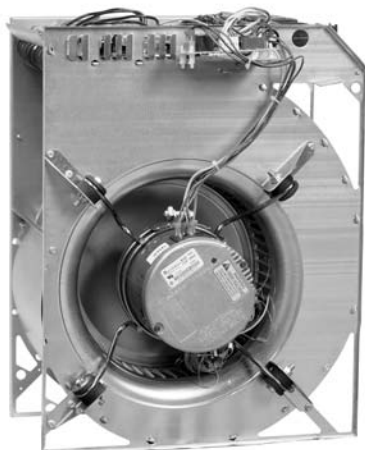
Since the heat output of the heat pump is dependent upon the outdoor air temperature, this control performs the same function as a field installed outdoor thermostat.

An additional benefit of the Watt Restrictor is that it can sense a degradation in heat pump performance due to causes other than outdoor temperature and react accordingly to bring on more supplemental electric heat.

[] Designates Metric Conversions



**X-13
MOTOR**



**BLOWER
SECTION**

GENERAL TERMS OF LIMITED WARRANTY

ICECOSM will furnish a replacement for any part of this product which fails in normal use and service within the applicable periods stated, in accordance with the terms of the limited warranty.

MultiFlex Coil leaks caused by factory defects	Five (5) Years
Electric Heating Element	Five (5) Years
Any Other Part	Five (5) Years

For Complete Details of the Limited Warranty, Including Applicable Terms and Conditions, See Your Local Installer or Contact the Manufacturer for a Copy.

Model Identification

17 AH B A 24 HM A N 00

Electric Heat

00 = No Heat 14 = 14.0 kW
 06 = 4.9 kW 18 = 17.5 kW
 07 = 7.0 kW 21 = 21.0 kW
 11 = 10.0 kW

Circuit Breaker

N = No Circuit Protection (Single Circuit)
 S = Circuit Breaker (Single Circuit)

Voltage

A = 115V-1-60
 J = 208/240V-1-60

HM = A/C or Heat Pump Multi Position

Capacity

24 = 18,000/24,000 BTU/H [5.27/7.03 kW]
 36 = 30,000/36,000 BTU/H [6.79/10.55 kW]
 48 = 42,000/48,000 BTU/H [12.31/14.06 kW]
 60 = 60,000 BTU/H [17.58 kW]

Refrigerant

A = R-22
 L = R-410A

Design Series

Model

AH = Air Handler

Cabinet Size

17 = 17.5" [431.8 mm]
 21 = 21.0" [533.4 mm]
 24 = 24.5" [609.6 mm]
 25 = 24.5" [635 mm]

Available Models featuring R-410A

17AHBL24HMJ* (06, 07, 11)
17AHBL24HMAN00
21AHBL36HMJ* (00, 06, 07, 11, 18)
21AHBL36HMAN00
24AHBL48HMJ* (00, 06, 07, 11, 14, 18)
24AHBL48HMAN00
25AHBL60HMJ* (00, 11, 14, 18, 21)
25AHBL60HMAN00

Available Models featuring R-22

17AHBA24HMJ* (06, 07, 11)
17AHBA24HMAN00
21AHBA36HMJ* (00, 06, 07, 11, 18)
21AHBA36HMAN00
24AHBA48HMJ* (00, 06, 07, 11, 14, 18)
24AHBA48HMAN00
25AHBA60HMJ* (00, 11, 14, 18, 21)
25AHBA60HMAN00

ELECTRICAL DESIGNATION & AIRFLOW PERFORMANCE INFORMATION

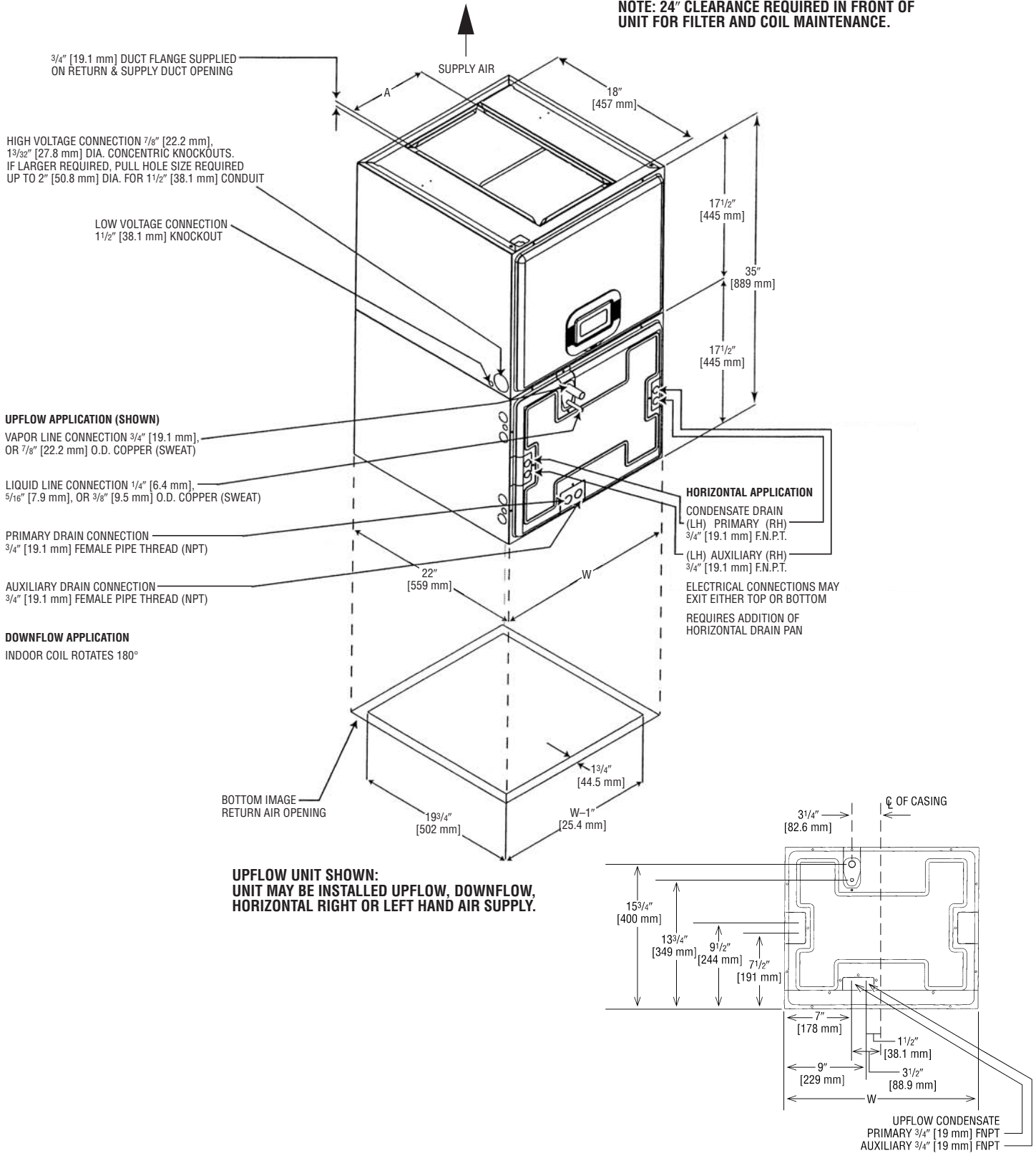
Cabinet Size	Electric Heat 115V 1PH 60 HZ	Electric Heat 208/240V 1PH 60 HZ		1) Motor H.P. [W] 2) Nominal Blower CFM [L/s] 3) Blower Wheel Dia./Width [mm] 4) Filter Size 5) Outdoor Unit
	Control Designation N = No Circuit Breakers S = Circuit Breaker(s)			
	N	N	S	
17AHB*24HM****	00	00 06 07 11	06 07 11	1) 1/3 H.P. [124] 2) 600 to 800 CFM [142] TO [378] 3) 11.9 x 3.81 [302 x 97] 4) 16.25 x 21 5) 018, 024
21AHB*36HM****	00	00 06 07 11	06 07 11 14	1) 1/2 H.P. [373] 2) 1000 to 1200 CFM [472] TO [566] 3) 11.9 x 5.29 [302 x 134] 4) 19.75 x 21 5) 030, 036
24AHB*48HM****	00	00 06 07 11	06 07 11 14 18	1) 3/4 H.P. [559] 2) 1400 to 1600 CFM [661] TO [755] 3) 11.9 x 7.12 [302 x 181] 4) 23.25 x 21 5) 042, 048
25AHB*60HM****	00	00 11	11 14 18 21	1) 1 H.P. [746] 2) 1800 to 2000 CFM [850] TO [944] 3) 11.9 x 9.50 [302 x 944] 4) 23.25 x 21 5) 060

- NOTES:**
- 1) Electrical heat designation: see electric heat electrical data for actual heater kW represented by number above.
 Caution: The same heat designation number may represent different actual kW depending on Electrical designation.
 - 2) Electric heater BTUH = (heater watts + motor watts) x 3.412 (see airflow table for motor watts).
 - 3) Models in shaded areas have watt restrictors and defrost heat controls.
 - 4) Electric heat is not available for 115V models ("A" voltage).

[] Designates Metric Conversions

Unit Dimensions

NOTE: 24" CLEARANCE REQUIRED IN FRONT OF UNIT FOR FILTER AND COIL MAINTENANCE.

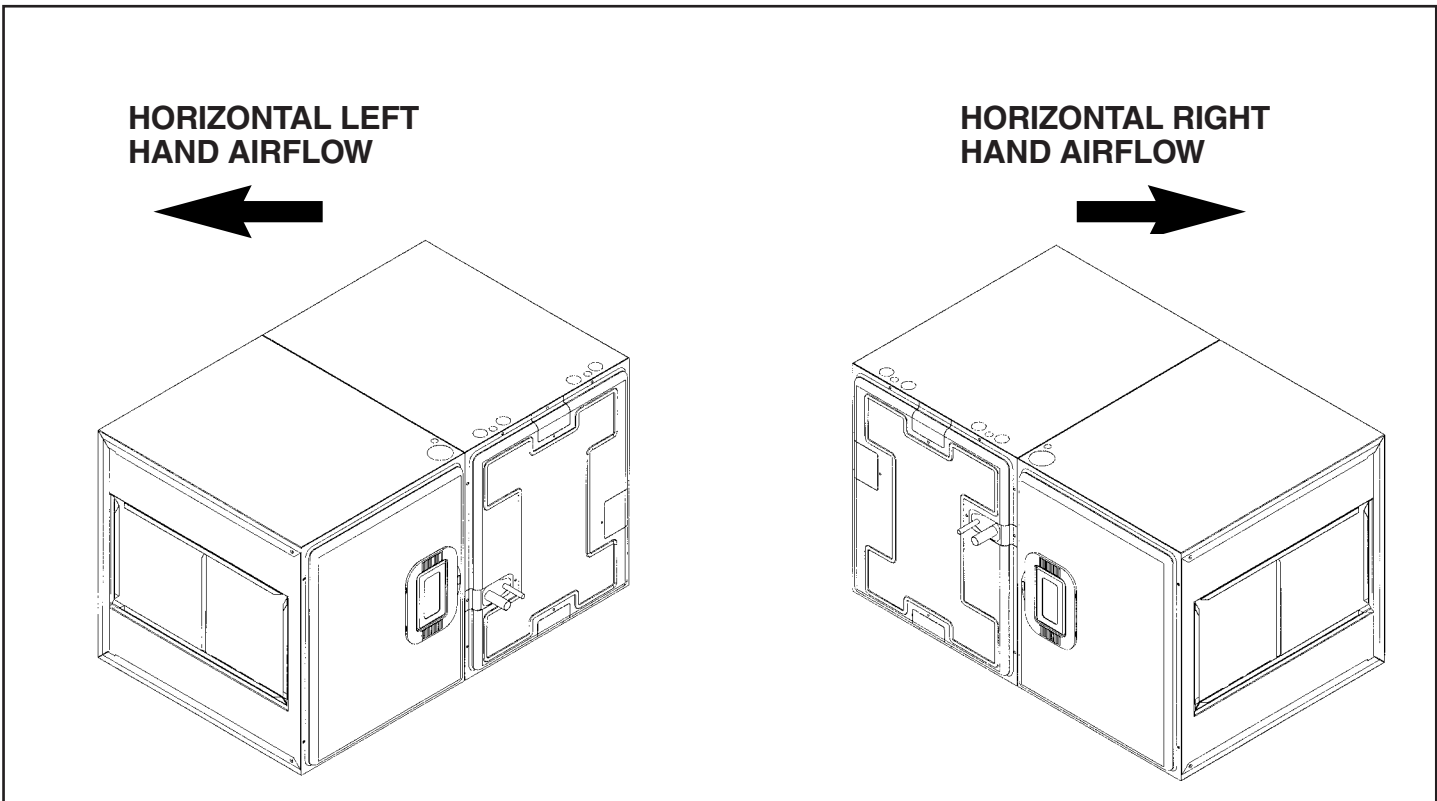
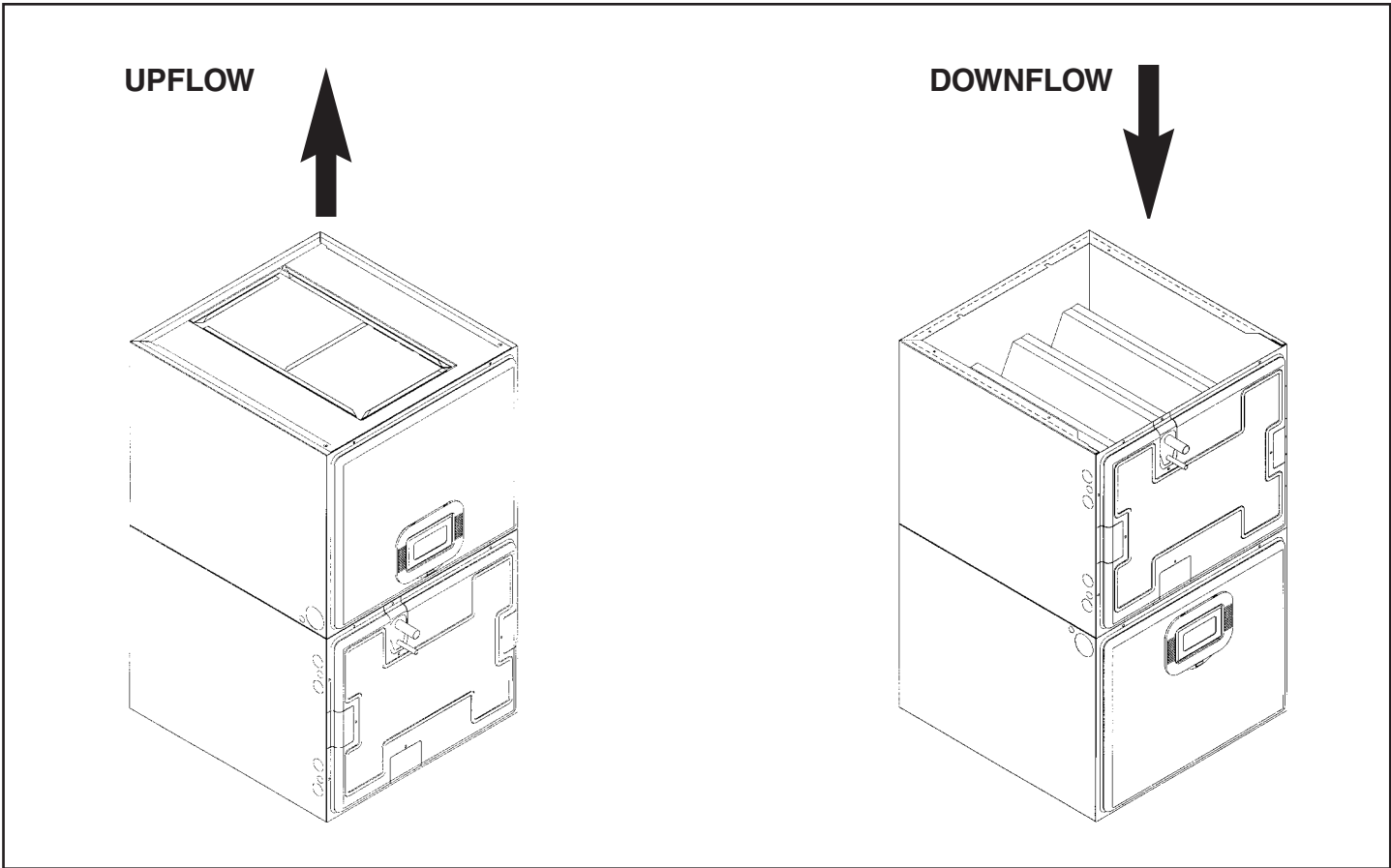


**UPFLOW UNIT SHOWN:
 UNIT MAY BE INSTALLED UPFLOW, DOWNFLOW,
 HORIZONTAL RIGHT OR LEFT HAND AIR SUPPLY.**

Unit Dimensions & Weights

Model Number Cabinet Size	Unit Width "W" In. [mm]	Supply Duct "A" In. [mm]	Unit Weight/Shipping Weight (Lbs.) [kg]
			Unit With Coil (Max. KW)
17	17 1/2 [445]	7 9/16 [192]	92/99 [42/45]
21	21 [533]	9 7/16 [240]	109/117 [49/53]
24	24 1/2 [622]	11 3/4 [298]	125/134 [57/61]
25	24 1/2 [622]	11 3/4 [298]	125/134 [57/61]

Airflow Directions



NOTE: Coil and blower section are always in a draw through configuration.

Airflow Performance

Airflow performance data is based on cooling performance with dry coil and filter in place. Select performance table for appropriate unit size, voltage and number of electric heaters to be used. Make sure external static applied to unit allows operation within the minimum and maximum limits shown in table below for both cooling and electric heat operation. For optimum blower performance, operate the unit in the .2" to .5" in. W.C.

external static range. In general, the indoor motor speed tap should be as shown in table for the appropriate cooling capacity shown. Always check to make sure proper motor speed tap is connected as units are shipped from the factory connected for medium/high speed operation.

Airflow Operating Limits

Model Cabinet Size	17		21		24		25	
Cooling BTUH	18,000	24,000	30,000	36,000	42,000	48,000	60,000	60,000
Cooling Tons Nominal	1.5	2	2.5	3	3.5	4	5	5
Heat Pump or Air Conditioning Maximum Heat/Cool CFM [L/s] (37.5 CFM [18 L/s]/1,000 BTUH) (450 CFM [212 L/s]/Ton Nominal)	675 [319]	900 [425]	1125 [531]	1350 [637]	1575 [743]	1800 [850]	2025 [956]	2250 [1062]
Heat Pump or Air Conditioning Nominal Heat/Cool CFM [L/s] (33.3 CFM [16 L/s]/1,000 BTUH) (400 CFM [189 L/s]/Ton Nominal)	600 [283]	800 [378]	1000 [472]	1200 [566]	1400 [661]	1600 [755]	1800 [850]	2000 [944]
Heat Pump or Air Conditioning Minimum Heat/Cool CFM [L/s] (30.0 CFM [14 L/s]/1,255 BTUH) (360 CFM [170 L/s]/Ton Nominal)	540 [255]	720 [330]	900 [425]	1080 [510]	1260 [595]	1440 [680]	1620 [765]	1800 [850]
Maximum KW Electric Heating & Minimum Electric Heat CFM [L/s]	11 560 [264]	11 560 [264]	14 900 [425]	14 900 [425]	18 1220 [576]	18 1220 [576]	21 1460 [689]	21 1460 [689]
Maximum Electric Heat Rise °F [°C]	85 [29]	85 [29]	70 [21]	70 [21]	65 [18]	65 [18]	65 [18]	65 [18]

NOTE: See Airflow Performance Data for Recommended Blower Motor Speed.

[] Designates Metric Conversions

Airflow Performance Data

Model Cabinet Size	Tonnage	Electric Heaters	Blower Motor		CFM [L/s] (Watts)/External Static Pressure—Inches W.C. [kPa]									
			Nominal Speed Tap	Volts	.10 [.02]	.20 [.05]	.30 [.07]	.40 [.10]	.50 [.12]	.60 [.15]	.70 [.17]	.80 [.20]	.90 [.23]	1.0 [.25]
-17	1.5 Ton Air Flow	none	2	208/240	659 [311] (74)	625 [294] (80)	581 [274] (84)	539 [254] (88)	—	—	—	—	—	—
		none	3	208/240	—	—	—	687 [324] (119)	650 [306] (126)	615 [290] (131)	573 [270] (139)	552 [260] (145)	507 [239] (150)	460 [217] (155)
		3 (max.)	2	208/240	649 [306] (79)	615 [290] (84)	571 [269] (88)	529 [249] (92)	—	—	—	—	—	—
		3 (max.)	3	208/240	—	—	—	677 [320] (126)	640 [302] (132)	605 [286] (141)	563 [266] (146)	542 [256] (154)	497 [235] (157)	450 [212] (162)
		none	2	115	651 [307] (76)	627 [295] (82)	583 [275] (86)	541 [255] (90)	—	—	—	—	—	—
		none	3	115	—	—	—	687 [324] (122)	658 [311] (131)	617 [291] (136)	595 [281] (144)	555 [262] (148)	517 [244] (152)	460 [217] (162)
	2.0 Ton Air Flow	none	4	208/240	844 [398] (141)	819 [386] (146)	799 [377] (155)	764 [360] (160)	—	—	—	—	—	—
		none	5	208/240	—	—	—	888 [419] (186)	855 [403] (189)	816 [380] (210)	785 [370] (204)	760 [358] (214)	708 [334] (223)	672 [317] (226)
		3 (max.)	4	208/240	834 [393] (146)	809 [831] (150)	789 [372] (159)	754 [355] (164)	—	—	—	—	—	—
		3 (max.)	5	208/240	—	—	—	876 [413] (203)	843 [398] (206)	804 [380] (216)	773 [365] (221)	748 [353] (231)	696 [328] (240)	660 [311] (243)
		none	4	115	846 [399] (143)	821 [387] (148)	801 [378] (157)	766 [361] (162)	—	—	—	—	—	—
		none	5	115	—	—	—	888 [419] (191)	861 [406] (196)	821 [387] (205)	787 [372] (210)	761 [359] (218)	726 [342] (220)	690 [326] (230)
-21	2.5 Ton Air Flow	none	2	208/240	1068 [504] (138)	1041 [491] (147)	1001 [472] (153)	972 [458] (161)	—	—	—	—	—	—
		none	3	208/240	—	—	—	1099 [518] (200)	1058 [499] (208)	1013 [478] (215)	982 [463] (223)	951 [448] (232)	899 [424] (234)	855 [403] (237)
		4 (max.)	2	208/240	1035 [488] (143)	1007 [475] (152)	966 [455] (158)	936 [441] (169)	—	—	—	—	—	—
		4 (max.)	3	208/240	—	—	—	1069 [505] (209)	1028 [485] (218)	983 [464] (228)	952 [449] (239)	921 [435] (250)	869 [410] (255)	825 [389] (262)
		none	2	115	1070 [504] (138)	1043 [492] (147)	1004 [473] (153)	974 [459] (161)	—	—	—	—	—	—
		none	3	115	—	—	—	1053 [497] (203)	1004 [474] (210)	957 [451] (216)	932 [440] (226)	901 [425] (231)	855 [404] (242)	800 [378] (252)
	3 Ton Air Flow	none	4	208/240	1269 [598] (207)	1236 [583] (219)	1174 [554] (226)	1149 [542] (236)	—	—	—	—	—	—
		none		208/240	—	—	—	1318 [622] (320)	1291 [609] (322)	1264 [596] (319)	1234 [582] (312)	1190 [561] (326)	1155 [545] (351)	1126 [531] (368)
		4 (max.)	4	208/240	1241 [585] (222)	1208 [570] (234)	1174 [554] (241)	1149 [542] (251)	—	—	—	—	—	—
		4 (max.)	5	208/240	—	—	—	1287 [608] (331)	1260 [595] (341)	1233 [582] (346)	1203 [568] (358)	1159 [547] (371)	1124 [530] (381)	1095 [517] (387)
		none	4	115	1269 [598] (207)	1236 [583] (219)	1174 [554] (226)	1149 [542] (236)	—	—	—	—	—	—
		none	5	115	—	—	—	1285 [607] (319)	1258 [594] (330)	1221 [576] (336)	1182 [558] (348)	1147 [542] (357)	1117 [527] (366)	1080 [510] (375)

NOTES:

X-13 NOTES (X-13 Motor Speed Changes)

X-13 Motors require no voltage change between 208 and 240 volts.

If application exceeds 0.5" of static, adjust the motor speed to the high static speed as described below:

All X-13 motors have 5 speed tabs. Speed tab 1 is for continuous fan. Speed tab 2 (Low Static) and speed tab 3 (High Static) are lower tonnage. Speed tab 4 (Low Static) and speed tab 5 (High Static) are for higher tonnage.

17AHBA24HMAN00 is always shipped on 2-ton airflow (Speed tab 4). To have 1.5-ton air flow move the blue wire from X-13 motor to speed tab 2.

The lower static speed 2 (lower tonnage) and speed tab 4 (Higher tonnage) are used for external static below 0.5"

For external static exceeding 0.5", move the blue wire from the X-13 motor to appropriate high static speed tab 3 (Lower tonnage) or speed tab 5 (higher tonnage)

[] Designates Metric Conversions

Airflow Performance Data (cont.)

Model Cabinet Size	Tonnage	Electric Heaters	Blower Motor		CFM [L/s] (Watts)/External Static Pressure—Inches W.C. [kPa]									
			Nominal Speed Tap	Volts	.10 [.02]	.20 [.05]	.30 [.07]	.40 [.10]	.50 [.12]	.60 [.15]	.70 [.17]	.80 [.20]	.90 [.23]	1.0 [.25]
-24	3.5 Ton Air Flow	none	2	208/240	1438 [678] (205)	1409 [664] (217)	1375 [648] (229)	1341 [632] (252)	—	—	—	—	—	—
		none	3	208/240	1568 [740] (279)	1538 [725] (290)	1507 [711] (303)	1471 [694] (313)	1435 [677] (333)	1403 [662] (338)	1362 [642] (358)	1318 [622] (365)	1287 [607] (374)	1250 [589] (405)
		5 (max.)	2	208/240	1414 [667] (230)	1384 [653] (242)	1350 [637] (254)	1315 [620] (277)	—	—	—	—	—	—
		5 (max.)	3	208/240	1548 [730] (304)	1518 [716] (316)	1487 [701] (328)	1451 [684] (338)	1415 [667] (358)	1383 [653] (368)	1342 [633] (388)	1298 [612] (395)	1267 [597] (409)	1230 [580] (455)
		none	2	115	1448 [683] (205)	1419 [669] (217)	1385 [653] (229)	1351 [637] (252)	—	—	—	—	—	—
		none	3	115	1559 [735] (294)	1527 [720] (308)	1497 [706] (322)	1466 [691] (335)	1431 [675] (349)	1378 [650] (367)	1349 [636] (379)	1306 [606] (393)	1271 [599] (406)	1250 [589] (417)
	4.0 Ton Air Flow	none	4	208/240	1640 [773] (311)	1604 [757] (326)	1587 [748] (335)	1559 [735] (376)	—	—	—	—	—	—
		none	5	208/240	1789 [844] (413)	1762 [831] (427)	1731 [816] (433)	1699 [801] (449)	1667 [786] (462)	1635 [771] (482)	1602 [756] (498)	1546 [729] (516)	1515 [715] (529)	1465 [691] (542)
		5 (max.)	4	208/240	1613 [761] (331)	1574 [742] (346)	1557 [734] (355)	1529 [721] (396)	—	—	—	—	—	—
		5 (max.)	5	208/240	1759 [830] (433)	1732 [817] (447)	1701 [802] (453)	1669 [787] (469)	1637 [772] (482)	1605 [757] (502)	1572 [741] (518)	1516 [715] (536)	1485 [700] (549)	1435 [677] (562)
		none	4	115	1642 [774] (311)	1606 [757] (326)	1589 [749] (335)	1561 [736] (376)	—	—	—	—	—	—
		none	5	115	1811 [854] (423)	1791 [845] (436)	1760 [830] (451)	1730 [816] (464)	1700 [802] (479)	1669 [787] (492)	1606 [757] (516)	1573 [742] (529)	1538 [725] (542)	1462 [689] (555)
-25	5.0 Ton Air Flow	none	2	208/240	1916 [956] (379)	1889 [945] (389)	1835 [936] (407)	1820 [779] (421)	—	—	—	—	—	—
		none	3	208/240	2146 [953] (540)	2116 [942] (558)	2086 [930] (574)	2055 [916] (583)	2018 [906] (600)	1993 [882] (621)	1960 [869] (634)	1928 [837] (652)	1625 [823] (659)	1852 [807] (682)
		5 (max.)	2	208/240	1872 [956] (389)	1845 [945] (399)	1811 [936] (417)	1784 [779] (431)	—	—	—	—	—	—
		5 (max.)	3	208/240	2102 [953] (550)	2072 [942] (568)	2042 [930] (584)	2011 [916] (593)	1974 [906] (610)	1949 [882] (631)	1916 [869] (644)	1884 [837] (662)	1581 [823] (669)	1810 [807] (692)
		none	2	115	1916 [904] 396	1883 [888] 410	1849 [872] 427	1808 [853] 437	—	—	—	—	—	—
		none	3	115	2125 [1002] 559	2098 [990] 576	2053 [968] 597	2023 [954] 608	1990 [936] 621	1958 [942] 637	1913 [902] 650	1894 [863] 668	1854 [874] 683	1807 [852] 694
	5.0 Ton Air Flow	none	4	208/240	2080 [956] (500)	2062 [945] (512)	2025 [936] (527)	1993 [779] (543)	—	—	—	—	—	—
		none	5	208/240	2146 [953] (540)	2116 [942] (558)	2086 [930] (574)	2055 [916] (583)	2018 [906] (600)	1993 [882] (621)	1960 [869] (634)	1928 [837] (652)	1625 [823] (659)	1852 [807] (682)
		5 (max.)	4	208/240	2036 [964] (510)	2018 [945] (522)	1981 [936] (537)	1949 [779] (553)	—	—	—	—	—	—
		5 (max.)	5	208/240	2102 [953] (550)	2072 [942] (568)	2042 [930] (584)	2011 [916] (593)	1974 [906] (610)	1949 [882] (631)	1916 [869] (644)	1884 [837] (662)	1581 [823] (669)	1810 [807] (692)
		none	4	115	2080 [981] 517	2043 [964] 536	2025 [995] 543	1987 [937] 556	—	—	—	—	—	—
		none	5	115	2125 [1002] 559	2098 [990] 576	2053 [968] 597	2023 [954] 608	1990 [936] 621	1958 [942] 637	1913 [902] 650	1894 [863] 668	1854 [874] 683	1807 [852] 694

NOTES:

X-13 NOTES (X-13 Motor Speed Changes)

X-13 Motors require no voltage change between 208 and 240 volts.

If application exceeds 0.5" of static, adjust the motor speed to the high static speed as described below:

All X-13 motors have 5 speed tabs. Speed tab 1 is for continuous fan. Speed tab 2 (Low Static) and speed tab 3 (High Static) are lower tonnage. Speed tab 4 (Low Static) and speed tab 5 (High Static) are for higher tonnage.

17AHBA24HMAN00 is always shipped on 2-ton airflow (Speed tab 4). To have 1.5-ton air flow move the blue wire from X-13 motor to speed tab 2.

The lower static speed 2 (lower tonnage) and speed tab 4 (Higher tonnage) are used for external static below 0.5"

For external static exceeding 0.5", move the blue wire from the X-13 motor to appropriate high static speed tab 3 (Lower tonnage) or speed tab 5 (higher tonnage)

[] Designates Metric Conversions

Blower Motor Electrical Data

Model Size/Elec. Designation	Voltage	Phase	Hertz	HP [W]	RPM	Speeds	Circuit Amps.	Minimum Circuit Ampacity	Maximum Circuit Protector
17AHB*24HMJN00	208/240	1	60	1/3 [249]	300-1100	5	2.0	3.0	15
21AHB*36HMJN00	208/240	1	60	1/2 [373]	300-1100	5	3.1	4.0	15
24AHB*48HMJN00	208/240	1	60	3/4 [559]	300-1100	5	4.2	6.0	15
25AHB*60HMJN00	208/240	1	60	1 [746]	300-1100	5	5.7	8.0	15
17AHB*24HMJAN00	115	1	60	1/3 [249]	300-1100	5	3.3	5.0	15
21AHB*36HMJAN00	115	1	60	1/2 [373]	300-1100	5	5.0	7.0	15
24AHB*48HMAN00	115	1	60	3/4 [559]	300-1100	5	5.8	8.0	15
25AHB*60HMAN00	115	1	60	1 [746]	300-1100	5	10.9	14.0	20

Electric Heat Electrical Data

Model Elec./KW Designation	Heater KW Volts 208/240	PH/HZ	Heater No./KW & 240V	Type Supply Circuit Single Circuit Multiple Circuit	Circuit Amps.	Minimum Circuit Ampacity	Maximum Circuit Protector
17AHB*24HMJ*06	3.7/4.9	1/60	2/2.5	Single Circuit	19.8/22.4	25/29	30/30
17AHB*24HMJ*07	5.3/7.0	1/60	2/3.5	Single Circuit	27.5/31.2	35/39	40/40
17AHB*24HMJ*11	7.5/10.0	1/60	3/3.3	Single Circuit	38.1/43.7	48/55	50/60
21AHB*36HMJ*06	3.7/4.9	1/60	2/2.5	Single Circuit	20.9/23.5	27/30	30/35
21AHB*36HMJ*07	5.3/7.0	1/60	2/3.5	Single Circuit	28.6/32.3	36/41	40/45
21AHB*36HMJ*11	7.5/10.0	1/60	3/3.3	Single Circuit	39.2/44.8	49/56	60/60
21AHB*36HMJ*14	10.5/14.0	1/60	4/3.5	Single Circuit	54.1/61.4	68/77	70/80
	5.3/7.0		2/3.5	Multiple Ckt. 1	28.6/32.3	36/41	40/45
	5.3/7.0		2/3.5	Multiple Ckt. 2	25.5/29.2	32/37	35/40
24AHB*48HMJ*06	3.7/4.9	1/60	2/2.5	Single Circuit	22.0/24.6	28/31	30/35
24AHB*48HMJ*07	5.3/7.0	1/60	2/3.5	Single Circuit	29.7/33.4	38/42	40/45
24AHB*48HMJ*11	7.5/10.0	1/60	3/3.3	Single Circuit	40.3/45.9	51/58	60/60
24AHB*48HMJ*14	10.5/14.0	1/60	4/3.5	Single Circuit	55.2/62.5	69/79	80/90
	5.3/7.0		2/3.5	Multiple Ckt. 1	29.7/33.4	38/42	40/45
	5.3/7.0		2/3.5	Multiple Ckt. 2	25.5/29.2	32/37	35/40
24AHB*48HMJ*18	13.2/17.5	1/60	5/3.5	Single Circuit	67.7/77.1	85/97	90/100
	5.3/7.0		2/3.5	Multiple Ckt. 1	29.7/33.4	38/42	40/45
	7.9/10.5		3/3.5	Multiple Ckt. 2	38.0/43.8	48/55	50/60
25AHB*60HMJ*11	7.5/10.0	1/60	3/3.3	Single Circuit	41.8/47.4	53/60	60/70
25AHB*60HMJ*14	10.5/14.0	1/60	4/3.5	Single Circuit	56.7/64.0	71/81	80/90
	5.3/7.0		2/3.5	Multiple Ckt. 1	31.2/34.9	39/44	45/50
	5.3/7.0		2/3.5	Multiple Ckt. 2	25.5/29.2	32/37	35/40
24AHB*60HMJ*18	13.2/17.5	1/60	5/3.5	Single Circuit	69.2/78.6	87/99	90/110
	5.3/7.0		2/3.5	Multiple Ckt. 1	31.2/34.9	39/44	40/45
	7.9/10.5		3/3.5	Multiple Ckt. 2	38.0/43.8	48/55	50/60
25AHB*60HMJ*21	15.0/20.0	1/60	6/3.3	Single Circuit	77.8/89.0	98/112	100/125
	7.5/10.0		3/3.3	Multiple Ckt. 1	41.8/47.4	53/60	60/70
	7.5/10.0		3/3.3	Multiple Ckt. 2	36.1/41.7	46/53	50/60

Supply circuit protective devices may be fuses or "HACR" type circuit breakers. Largest motor load is included in single circuit and circuit 1 multiple circuit. If non-standard fuse size is specified, use next size larger standard fuse size.

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Copper Wire Size—AWG. (3% Voltage Drop)

S U P P L Y	L E N G T H	200 [61]	12	10	8	8	8	6	6	6	4	4	3	3	2	2	1	0	00
		150 [46]	12	10	10	10	8	8	6	6	6	4	4	3	3	2	1	0	00
		100 [30]	14	12	10	10	8	8	8	6	6	4	4	3	3	2	1	0	00
		50 [15]	14	12	10	10	8	8	8	6	6	4	4	3	3	2	1	0	00
W I R E	F E E T		15	20	25	30	35	40	45	50	60	70	80	90	100	110	125	150	175
		<p>SUPPLY CIRCUIT AMPACITY</p> <p>NOTE: Wire based on copper conductors 75°C minimum rating. For more than 3 conductors in a raceway or cable, see N.E.C. for derating the ampacity of each conductor.</p>																	
	[m]																		

Combustible Floor Base for Downflow Installations

Model Cabinet Size	Combustible Floor Base Model Number	Opening Front of Unit “W” Width-Inches [mm]	Opening Side of Unit “D” Depth-Inches [mm]
All Models	RXBB-AA	14 ^{3/8} " [365]	20 ^{5/8} " [524]

[] Designates Metric Conversions

Combustible Floor Base for Downflow Installations (cont.)

ACCESSORIES—KITS—PARTS

- **Combustible Floor Base RXBB-AA** for downflow applications.
- **Jumper Bar Kit 3 Ckt. to 1 Ckt. RXBJ-A31** is used to convert single phase multiple three circuit units to a single supply circuit. Kit includes cover and screw for line side terminals.
- **Jumper Bar Kit 2 Ckt. to 1 Ckt. RXBJ-A21** is used to convert single phase multiple two circuit units to a single supply circuit. Kit includes cover and screw for line side terminals.
Note: No jumper bar kit is available to convert three phase multiple two circuit units to a single supply circuit.
- **Finger Safe Circuit Breaker Cover**—Part Number 45-23203-01. One is required for each circuit breaker pole, if jumper bar is removed to provide multiple supply circuits.
- **Horizontal Drain Pan Model RXBD-CB:** all unit sizes.
x50 = Bulk Pack.
- **Auxiliary Horizontal Drain Pan. RXBM-AA06**—Fits all models.

• Replacement Filters

<u>Model</u>	<u>Cabinet Size</u>	<u>Filter Size In. [mm]</u>	<u>Part Number</u>
	17	16.25 x 21 [413 x 533]	54-23217-02
	21	19.75 x 21 [502 x 533]	54-23217-03
	24	23.25 x 21 [591 x 533]	54-23217-04
	25	23.25 x 21 [591 x 533]	54-23217-04

[] Designates Metric Conversions

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

Corsaire[®]
SERIES

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