

SUPPLEMENTAL INSTRUCTIONS

50 HZ ELECTRICAL DATA

Model	Rated Volts and Phases	Operating Voltage Range	No. Field Power Circuits	① Minimum Circuit Ampacity	② Maximum External Fuse or Ckt. Brkr.	③ Field Power Wire Size	③ Ground Wire Size
W24AA-DOZ D05 D08	240/220-1	198 - 254	1	16	20	12	12
	240/220-1		1	28	10	10	
	240/220-1		1	44	45	8	10
W24A/LA-FOZ F05	415/380-3	342 - 456	1	9	15	14	14
			1	11	15	14	14
W30AA-DOZ D05 D10	240/220-1	198 - 254	1	19	30	10	10
			1	29	30	10	10
			1	55	60	6	10
W30AA-FOZ F07 F12	415/380-3	342 - 456	1	10	15	14	14
			1	17	20	12	12
			1	26	30	10	10
W36AA-DOZ D05 D10	240/220-1	198 - 254	1	24	35	8	10
			1	29	35	8	10
			1	55	60	6	10
W36AA-EOZ E06 E12	240/220-3	198 - 254	1	21	30	10	10
			1	21	30	10	10
			1	39	40	8	10
W36A/LA-FOZ F07 F12	415/380-3	342 - 456	1	12	15	14	14
			1	17	20	12	12
			1	26	30	10	10
W42AA-EOZ E09 E15	240/220-3	198 - 254	1	22	30	10	10
			1	31	35	8	10
			1	49	50	8	10
W42A/LA-FOZ F07 * F14	415/380-3	342 - 456	1	13	15	14	14
			1	17	20	12	12
			1	30	30	10	10
W48AA-EOZ E09 E15	240/220-3	198 - 254	1	24	35	8	10
			1	31	35	8	10
			1	49	50	8	10
W48A/LA-FOZ F07 * F14	415/380-3	342 - 456	1	13	15	14	14
			1	17	20	12	12
			1	30	35	8	10
W60AA-EOZ E09 E15	240/220-3	198 - 254	1	29	40	8	10
			1	35	40	8	10
			1	53	60	6	10
W60A/LA-F00 F07 * F14	415/380-3	342 - 456	1	16	20	12	12
			1	18	20	12	12
			1	32	35	8	10
W72A/LA-F00 F07 F14	400/380-3	342 - 440	1	23	30	10	10
			1	23	30	10	10
			1	34	35	8	10

① These "Minimum Circuit Ampacity" values are to be used for sizing the field power conductors. Refer to the National Electric Code (latest version), Article 310 for power conductor sizing.

② Maximum size of the time delay fuse or "D" type circuit breaker for protection of field wiring conductors.

③ Based on 75°C copper wire. All wiring must conform to all local and national electrical codes.

* F14 only offered on W**A units.

CAUTION: When more than one field power circuit is run through one conduit, the conductors must be derated. Pay special attention to Note 8 of Table 310 regarding Ampacity Adjustment Factors when more than three conductors are in a raceway.

IMPORTANT: While this electrical data is presented as a guide, it is important to electrically connect properly sized fuses and conductor wires in accordance with all existing local codes.



Bard Manufacturing Company, Inc.
Bryan, Ohio 43506
www.bardhvac.com

Manual: 7960-735
Supersedes: **NEW**
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INDOOR BLOWER PERFORMANCE 50 HZ – CFM DRY/WET

Speed	W24		W30				W36				W42			
	Single		High		Low		High		Low		High		Low	
ESP Inch H2O (Pa)	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil
0.0 (0)	840 (0.4)	810 (0.38)	1200 (0.57)	1145 (0.54)	780 (0.37)	770 (0.36)	1160 (0.55)	1085 (0.51)	800 (0.38)	795 (0.38)	1645 (0.78)	1610 (0.76)	1495 (0.71)	1415 (0.67)
0.1 (25)	795 (0.38)	770 (0.36)	1150 (0.54)	1095 (0.52)	770 (0.36)	765 (0.36)	1110 (0.52)	1045 (0.49)	780 (0.37)	770 (0.36)	1580 (0.75)	1560 (0.74)	1410 (0.67)	1360 (0.64)
0.2 (50)	750 (0.35)	720 (0.34)	1085 (0.51)	1030 (0.49)	765 (0.36)	755 (0.36)	1050 (0.50)	985 (0.46)	750 (0.35)	740 (0.35)	1510 (0.71)	1460 (0.69)	1340 (0.63)	1300 (0.61)
0.3 (75)	695 (0.33)	665 (0.31)	1015 (0.48)	955 (0.45)	745 (0.35)	730 (0.34)	980 (0.46)	915 (0.43)	715 (0.34)	705 (0.33)	1440 (0.68)	1380 (0.65)	1270 (0.60)	1205 (0.57)
0.4 (100)	625 (0.29)	600 (0.28)	935 (0.44)	875 (0.41)	705 (0.33)	690 (0.33)	895 (0.42)	840 (0.40)	665 (0.31)	650 (0.31)	1340 (0.63)	1300 (0.61)	1185 (0.56)	1120 (0.53)
0.5 (125)	530 (0.25)	505 (0.24)	845 (0.40)	790 (0.37)	650 (0.31)	625 (0.29)	805 (0.38)	745 (0.35)	585 (0.28)	565 (0.27)	1255 (0.59)	1145 (0.54)	915 (0.43)	830 (0.39)

Speed	W48				W60				W72					
	High		Low		High		Low		High		Medium		Low	
ESP Inch H2O (Pa)	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil	Dry Coil	Wet Coil
0.0 (0)	1660 (0.78)	1610 (0.76)	1455 (0.69)	1410 (0.67)	1745 (0.82)	1670 (0.79)	1280 (0.60)	1210 (0.57)	1870 (0.88)	1790 (0.84)	1720 (0.81)	1670 (0.79)	1655 (0.78)	1600 (0.76)
0.1 (25)	1585 (0.75)	1550 (0.73)	1390 (0.66)	1340 (0.63)	1695 (0.80)	1625 (0.77)	1230 (0.58)	1160 (0.55)	1815 (0.86)	1740 (0.82)	1670 (0.79)	1630 (0.77)	1620 (0.76)	1550 (0.73)
0.2 (50)	1510 (0.71)	1470 (0.69)	1330 (0.63)	1280 (0.60)	1635 (0.77)	1565 (0.74)	1160 (0.55)	1090 (0.51)	1755 (0.83)	1690 (0.80)	1625 (0.77)	1590 (0.75)	1565 (0.74)	1515 (0.72)
0.3 (75)	1430 (0.67)	1330 (0.63)	1245 (0.59)	1185 (0.56)	1575 (0.74)	1495 (0.71)	1080 (0.51)	1015 (0.48)	1700 (0.80)	1635 (0.77)	1590 (0.75)	1550 (0.73)	1525 (0.72)	1480 (0.70)
0.4 (100)	1305 (0.62)	1245 (0.59)	1140 (0.54)	1095 (0.52)	1495 (0.71)	1410 (0.67)	1015 (0.48)	955 (0.45)	1650 (0.78)	1595 (0.75)	1545 (0.73)	1505 (0.71)	1475 (0.70)	1430 (0.67)
0.5 (125)	1180 (0.56)	990 (0.47)	890 (0.42)	855 (0.40)	1415 (0.67)	1330 (0.63)	920 (0.43)	890 (0.42)	1600 (0.76)	1540 (0.73)	1500 (0.71)	1465 (0.69)	1430 (0.67)	1340 (0.63)

OUTDOOR FAN MOTOR – 50 HZ

Models W42AA-E, W42AA-F, W42LA-F, W48AA-E, W48AA-F, W48LA-F, W60AA-E, W60AA-F and W60LA-F have a condenser fan motor with a red and black speed tap. These units are shipped from the factory with the red lead connected. At no time is the black lead to be connected for 50HZ application.

WIRING – MAIN POWER

The disconnect means must have contact separation of 3 mm or greater in all poles.