

TECHNICAL SPECIFICATIONS

B64EW Series

Air Handler

13.4 SEER2 Residential or Multi-family System 1.5 - 3.0 Tons (Air Conditioner)

The B64EW Series air handler, when combined with our heat pump or air conditioner, offers a full line of quality, split system heating and cooling equipment.



Shown in Bottom
Return Application

FEATURES and BENEFITS

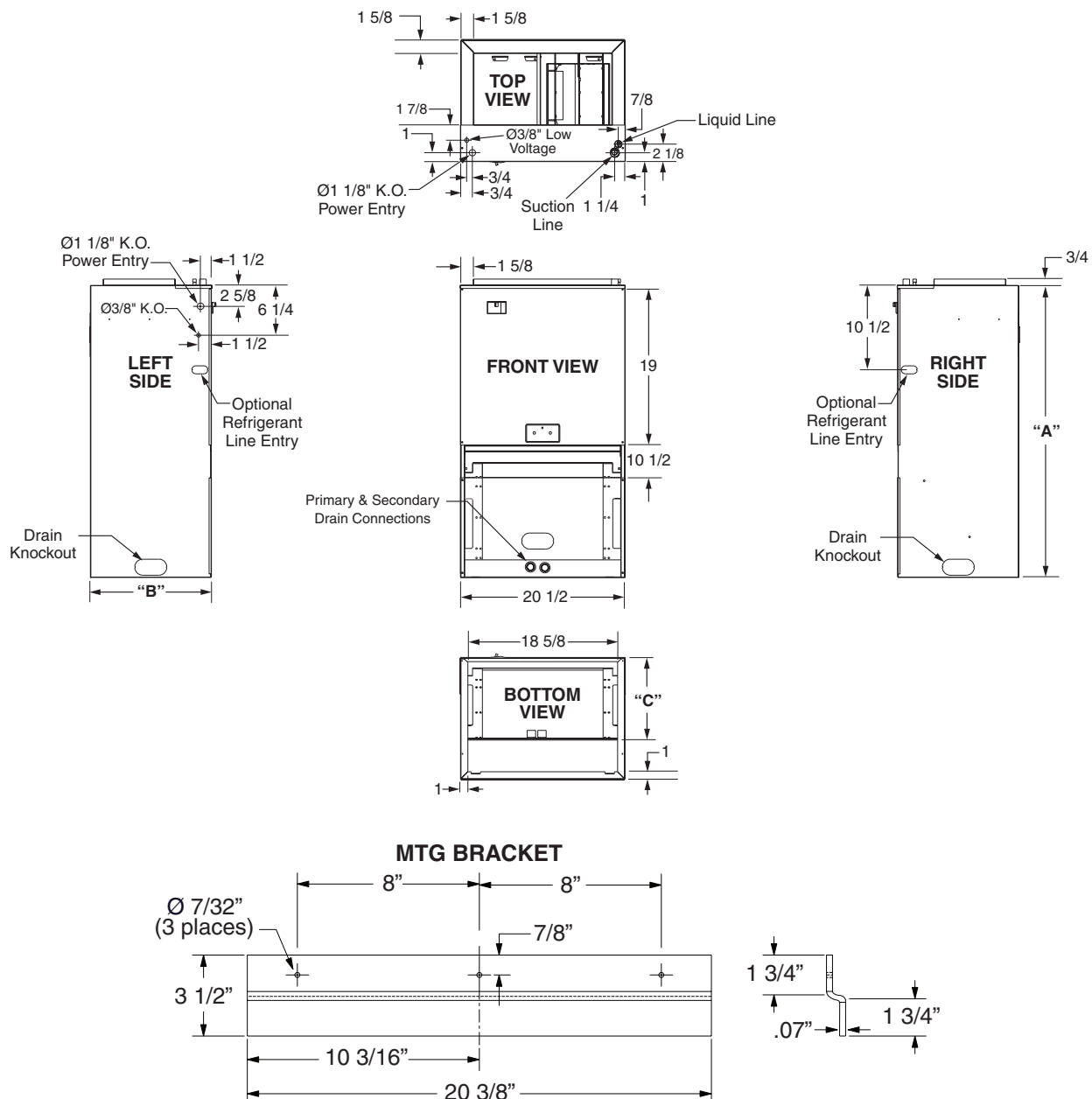
- **Energy Efficient Fixed Speed ECM Motor:** Provides 5 selectable cooling airflows to match any application.
- **Thermal Expansion Valve:** Factory installed externally equalized thermal expansion valve provides precise refrigerant control under varying load conditions.
- **Aluminum Coil Technology:** All aluminum coil provides high corrosion resistance.
- **Durable, Attractive Cabinet:** Designed using galvanized steel with optional white decorative panel. The plastic drain pan is corrosion resistant.
- **Multi-speed:** Gives flexibility of installation.
- **Blower Control Board:** Incorporating blower time delay, and heat-strip sequencing.
- **Ease-of-Service:** Plug-in wire connections and built-in filter rack makes the air handler easy to service.
- **Heater Kits Installed:** Available in 5kw, 8kw & 10kw.
- **Breaker Accessibility:** Breaker accessible from front of unit.
- **Fully insulated Cabinet:** for quiet operation.
- **Front and/or Bottom Return air**
- **Offset Hanging Bracket for Easy Installation**

MODEL IDENTIFICATION CODE

B 6 4		E	W	-	X	24 -	K - 05
Indoor Air Handler							Heating Kw
Design Series			Configuration		Metering Device		Electrical Code
4 = SEER2, R410A			W = Wall Mount, Vertical		X = R410A TXV		K = 208/230 - 60 - 1
Motor: E = ECM Motor							Nominal Capacity (000) Btuh

DIMENSIONS

MODEL NUMBER B6EW-	REFRIGERANT CONNECTIONS		SUPPLY AIR DUCT DIMENSION	A (HEIGHT)	B (DEPTH)	C (SUPPLY OPENING DEPTH)	WIDTH
	SUCTION DIAMETER	LIQUID DIAMETER					
X18K	3/4	3/8	9 x 17 1/4	36 3/8	15	9 1/2	20 1/2
X24K	3/4	3/8	9 x 17 1/4	36 3/8	15	9 1/2	20 1/2
X30K	3/4	3/8	9 x 17 1/4	43 1/2	15	9 1/2	20 1/2
X36K	3/4	3/8	15 x 17 1/4	43 1/2	21	15 1/2	20 1/2



SPECIFICATIONS

Model Number B64EW-	X18K	X24K	X30K	X36K
Nominal Cooling Capacity - Btuh (1)	17,200	24,000	27,600	33,000
Refrigerant Flow Control	TXV	TXV	TXV	TXV
Available Heat (kw)	5, 8	5, 8, 10	5, 8, 10	5, 8, 10
Nominal Blower Size (D x W)	10 x 6	10 x 6	10 x 6	10 x 8
(H.P. - Speed - Type)	1/2-5-ECM	1/2-5-ECM	1/2-5-ECM	1/2-5-ECM
Rated External Static Pressure (in. W.C.)	.30	.30	.30	.30
Filter Size (see note below)	16 x 20 x 1	16 x 20 x 1	20 x 20 x 1	20 x 24 x 1
Approximate Shipping Weight (lbs.)	80	80	88	92

(1) See current AHRI Directory for certified combinations and ratings.

SYSTEM AIR FLOW DATA

DRY COIL ESP		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
X18K/X24K	M1	722	688	654	619	584	548	512	475
	M2	793	761	729	695	661	626	590	554
	M3	865	835	804	772	739	705	670	634
	M4	1041	1014	986	959	930	901	872	843
	M5	1180	1155	1130	1104	1078	1052	1026	999
X30K	M1	753	718	683	646	609	571	532	492
	M2	889	855	821	786	750	714	677	640
	M3	1106	1078	1050	1021	991	960	929	897
	M4	1188	1159	1130	1100	1071	1041	1011	981
	M5	1236	1208	1180	1151	1123	1094	1065	1036
X36K	M1	809	758	708	658	609	561	513	466
	M2	971	919	869	821	774	729	685	642
	M3	1236	1202	1165	1126	1085	1042	996	948
	M4	1326	1289	1251	1212	1174	1134	1094	1053
	M5	1380	1347	1312	1276	1239	1200	1161	1121

NOTES:

- 1) Airflow is shown in SCFM, +/- 5%.
- 2) External static pressure is shown in inches W.C.
- 3) All airflows are measured without filter. For filter, add .08" external static pressure.
- 4) See unit nameplate or installation instructions for maximum recommended external static pressure.

Blower Performance Data - Dry Coil

ELECTRICAL DATA

Minimum Circuit Ampacity & Maximum Overcurrent Protection				
Model Number B64EW-	240VAC, 50 & 60Hz		208VAC, 50 & 60Hz	
	MCA	MOP	MCA	MOP
X18K-05	29.8	30	26.2	30
X18K-08	43.3	45	38.8	40
X24K-05	29.8	30	26.2	30
X24K-08	43.3	45	38.8	40
X24K-10	54.8	60	47.8	50

MCA = Minimum Circuit Ampacity, MOP = Maximum Over-Current Protection

ELECTRICAL DATA continued

Minimum Circuit Ampacity & Maximum Overcurrent Protection				
Model Number B64EW-	240VAC, 50 & 60Hz		208VAC, 50 & 60Hz	
	MCA	MOP	MCA	MOP
X30K-05	29.8	30	26.2	30
X30K-08	44.3	45	38.8	40
X30K-10	54.8	60	47.8	50
X36K-05	29.8	30	26.2	30
X36K-08	44.3	45	38.8	40
X36K-10	54.8	60	47.8	50

MCA = Minimum Circuit Ampacity, MOP = Maximum Over-Current Protection

ACCESSORIES

- Decorative Louvered Panel - 903892 for 18/24
- Decorative Louvered Panel - 919583 for 30/36

Outdoor Unit	Indoor Unit	Cooling Capacity	EER2	SEER2	CFM
*SA3BE4M1SN18K	B64EW-X18K-**	17500	11.7	14.3	640
*SA3BE4M1SN24K	B64EW-X24K-**	22800	11.7	14.3	850
*SA3BE4M1SN30K	B64EW-X30K-**	27400	11.7	14.3	955
*SA3BE4M1SN36K	B64EW-X36K-**	32000	11.7	14.3	1095

NOTE: See Current AHRI Directory for certified combinations and ratings. www.ahridirectory.org



GENERAL TERMS OF LIMITED WARRANTY

Nortek Global HVAC, LLC will furnish a replacement for any part of this product which fails in normal use and service within the terms and conditions of the warranty.

For complete details of the Limited Warranty, including applicable terms and conditions, see your local installer or contact the Nortek Global HVAC, LLC warranty department for a copy.

Before purchasing this appliance, read important energy cost and efficiency information available from your retailer. Specifications and illustrations subject to change without notice and without incurring obligations. Printed in U.S.A (06/23)