

TABULAR DATA SHEET

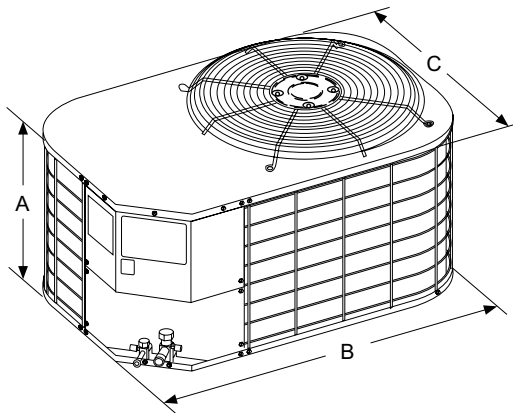
Outdoor Split System Heat Pump 3 – 7.5 Tons

Models E*BA-(T,W)036 Thru 090
10 SEER 3 Phase 60Hz

Physical and Electrical Data

MODEL	EBBA-T036S	EBBA-T048S	EABA-T060S	EABA-T090S	EBBA-W036S	EBBA-W048S	EABA-W060S	EABA-W090S	
Unit Supply Voltage	208/230-3-60				460 - 3 - 60				
Normal Voltage Range ¹	187-252				432-504				
Minimum Circuit Ampacity	14.2	18.9	24.5	40.6	7.7	10.1	12.0	20.7	
Max. Overcurrent Device Amps ²	20	30	40	60	15	15	20	35	
Min. Overcurrent Device Amps ³	15	20	25	45	15	15	15	20	
Compressor Type	Recip	Scroll	Scroll	Scroll	Recip	Scroll	Scroll	Scroll	
Compressor Amps	Rated Load	10.3	14.1	18.6	28.8	5.5	7.0	9.0	14.7
	Locked Rotor	78	125	128	195	40	55	63	95
Crankcase Heater	Yes	No	No	No	Yes	No	No	No	
Fan Motor Amps	Rated Load	1.4	1.3	1.3	4.6	.8	.7	.8	2.3
Fan Diameter Inches	22	22	24	24	22	22	24	24	
Fan Motor	Rated HP	1/4	1/4	1/4	3/4	1/4	1/5	1/4	3/4
	Nominal RPM	1,100	850	850	1,100	1,100	825	850	1,100
	Nominal CFM	2900	3500	3100	5000	2900	3500	3100	5000
Coil	Face Area Sq. Ft.	15.7	19.7	18.0	22.5	15.7	19.7	18.0	22.5
	Rows Deep	1	1	2	2	1	1	2	2
	Fin / Inches	18	13	14	16	18	13	14	16
Liquid Line Set OD (Field Installed)	3/8	3/8	3/8	1/2	3/8	3/8	3/8	1/2	
Vapor Line Set OD (Field Installed)	3/4	7/8	7/8	1-1/8	3/4	7/8	7/8	1-1/8	
Unit Charge (Lbs. - Oz.) ⁴	5 - 9	8 - 10	11 - 15	16 - 15	5 - 9	8 - 10	11 - 15	16 - 15	
Charge Per Foot, Oz.	0.68	0.70	0.70	1.26	0.68	0.70	0.70	1.26	
Operating Weight Lbs.	202	232	243	354	202	232	243	354	

1. Rated in accordance with ARI Standard 110, utilization range "A".
2. Dual element fuses or HACR circuit breaker. Maximum allowable overcurrent protection.
3. Dual element fuses or HACR circuit breaker. Minimum recommended overcurrent protection.
4. The Unit Charge is correct for the outdoor unit, matched indoor coil and 15 feet of refrigerant tubing. For tubing lengths other than 15 feet, add or subtract the amount of refrigerant, using the difference in length multiplied by the per foot value.



All dimensions are in inches. They are subject to change without notice. Certified dimensions will be provided upon request.

Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	A ¹	B	C	Liquid	Vapor
036	27	37	27	3/8	3/4
048	33	37	27		7/8
060	26	43	32		7/8
090	32	43	32	1/2"	1-1/8"

1. Including fan guard.

Additional R-22 Charge / Orifice Size for Various Matched Systems

Additional R-22 Charge / Orifice Size for Various Matched Systems - 3 Phase				
Outdoor Unit	EBBA-(T,W)036S	EBBA-(T,W)048S	EABA-(T,W)060S	EABA-(T,W)090S
Unit Orifice (s) ¹	73	81, 84, 87	99	-
Factory R-22 Charge, lbs-oz	5 - 9	8 - 10	11 - 15	16 - 15
Indoor Coil	System Orifice = Additional Charge, Oz			
FC/MC/PC35(B,C)3X	73 + 0	-	-	-
FC/MC/PC37A3X	73 + 11	-	-	-
FC/MC/PC43(B,C)3X	73 + 11	-	-	-
FC/MC/PC/UC48C3X	-	87 + 6	-	-
FC/MC/PC/UC48D3X	-	87 + 6	-	-
FC/MC/PC/UC60C3X	-	84 + 4	99 + 0	-
FC/MC/PC/UC60D3X	-	84 + 4	99 + 0	-
HC36	73 + 0	-	-	-
HC42	73 + 11	-	-	-
HC60	-	84 + 4	99 + 0	-
HD36	73 + 5	-	-	-
HD48	-	87 + 6	-	-
HD60	-	84 + 4	99 + 0	-
AHP36C3X	73 + 11	-	-	-
AHP42C3X	73 + 11	-	-	-
AHP/SHP48D3X	-	84 + 4	-	-
AHP60D3X	-	84 + 4	99 + 0	-
F4FP040	73 + 0	-	-	-
F4FP042	73 + 0	-	-	-
F5FP048	-	87 + 6	-	-
F5FP060	-	84 + 4	99 + 0	-
F3EH090A33	-	-	-	TXV ² + 0

Footnotes:

1. These orifices are packed in the instruction/warranty packet of each outdoor unit.
2. A TXV is factory mounted in the coil or air handler.

Procedures:

1. Unit factory charge listed on the unit nameplate includes refrigerant for the condenser, the smallest evaporator and 15 feet of interconnecting line tubing.
2. Verify the orifice size and additional charge required for specific evaporator coil in the system using the above table.
3. Additional charge for the amount of interconnecting line tubing greater than 15 feet at the rate specified in the table above.
4. Permanently mark the unit nameplate with the total system charge. Total System Charge = Base Charge (as shipped) + adder for evaporator + adder for line set.
5. If the orifice in the evaporator was changed, verify the evaporator nameplate has been marked with the correct orifice size.

