

# TABULAR DATA SHEET

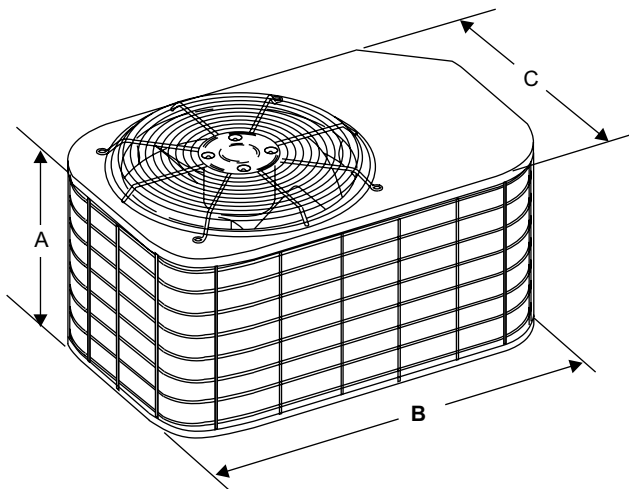
## Outdoor Split System Air Conditioner 2.5 Thru 5 Tons

**MODELS: H\*BD-(T,W)030S\* THRU 060\***  
**13 SEER - 3 PHASE**

### Physical and Electrical Data

MODEL	HABD-T030S	HABD-T036S	HABD-T042S	HABD-T048S	HABD-T060S	HABD-W030S	HABD-W036S	HABD-W042S	HABD-W048S	HABD-W060S	
Unit Supply Voltage	208-230V, 3 $\phi$ , 60Hz					460V, 3 $\phi$ , 60Hz					
Normal Voltage Range <sup>1</sup>	187 to 252					432 to 504					
Minimum Circuit Ampacity	14.3	14.3	12.4	21.5	23.1	6.9	9.6	6.9	10.3	11.3	
Max. Overcurrent Device Amps <sup>2</sup>	20	20	20	35	40	15	15	15	15	15	
Min. Overcurrent Device Amps <sup>3</sup>	15	15	15	25	25	15	15	15	15	15	
Compressor Type <sup>4</sup>	Recip	Recip	Recip	Scroll <sup>D</sup>	Scroll <sup>D</sup>	Recip	Recip	Recip	Scroll <sup>D</sup>	Scroll <sup>D</sup>	
Compressor Amps	Rated Load	10.2	10.2	8.8	16.0	17.3	4.9	4.9	4.9	7.7	8.4
	Locked Rotor	72	72	72	115	123	45	45	45	50	70
Crankcase Heater	No	No	No	No	No	No	No	No	No	No	
Fan Motor Amps	Rated Load	1.5	1.5	1.5	1.5	1.5	0.7	0.7	0.7	0.7	
Fan Diameter Inches	22	22	22	22	24	22	22	22	24	24	
Fan Motor	Rated HP	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	
	Nominal RPM	850	850	850	850	850	850	850	850	850	
	Nominal CFM	3100	3150	3550	3550	3600	3100	3150	3550	3550	3600
Coil	Face Area Sq. Ft.	15.72	15.72	23.60	24.00	27.00	15.72	15.72	23.60	24.00	27.00
	Rows Deep	1	1	1	1	1	1	1	1	2	2
	Fin / Inches	22	22	22	22	22	22	22	22	18	18
Liquid Line Set OD (Field Installed)	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	
Vapor Line Set OD (Field Installed)	3/4	7/8	7/8	7/8	1-1/8	3/4	7/8	7/8	7/8	1-1/8	
Unit Charge (Lbs. - Oz.) <sup>5</sup>	5 - 13	6 - 0	8 - 13	8 - 6	10 - 2	5 - 13	6 - 0	8 - 13	8 - 6	10 - 2	
Charge Per Foot, Oz.	0.68	0.70	0.70	0.70	0.76	0.68	0.70	0.70	0.70	0.76	
Operating Weight Lbs.	208	208	208	215	294	208	208	215	250	294	

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. All scrolls listed with a superscript "D" are Danfoss scrolls. All scrolls listed with a superscript "C" are Copeland scrolls.
5. 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 <sup>1</sup>	B	C	Liquid	Vapor
030	27	37	27	3/8"	3/4"
036	27	37	27		7/8"
042	39	37	27		
048	34	43	32		
060	38	43	32		

1. Including Fan Guard.
- \* Adapter fitting required for 1-1/8" line set.

# R-22 SYSTEM CHARGING PROCEDURE

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

Outdoor Unit	HABD-(T,W)030S	HABD-(T,W)036S	HABD-(T,W)042S	HABD-(T,W)048S	HABD-(T,W)060S
Required TXV	1TVM2A1	1TVM2A1	1TVM2C1	1TVM2C1	1TVM2C1
Factory R-22 Charge, lbs-oz	5 - 13	6 - 0	8 - 13	8 - 6	10 - 2
Indoor Coil <sup>1</sup>	Additional Charge, Oz				
FC/MC/PC/UC30A2A	0	-	-	-	-
FC/MC/PC/UC30B2A	0	-	-	-	-
FC/MC/PC/UC36A2A	0	0	-	-	-
FC/MC/PC/UC36B2A	0	0	-	-	-
FC/MC/PC/UC36C2A	0	0	-	-	-
FC/MC/PC/UC42B2C	-	-	0	-	-
FC/MC/PC/UC42C2C	-	-	0	-	-
FC/MC/PC/UC48C2C	-	-	0	0	-
FC/MC/PC/UC48D2C	-	-	0	0	-
FC/PC/UC/UC60C2C	-	-	-	-	0
FC/MC/PC/UC60D2C	-	-	-	-	0
MC61D2C	-	-	-	-	0
HC30A2A	0	-	-	-	-
HC36B2A	0	0	-	-	-
HC42C2C	-	-	0	0	-
HC60D2C	-	-	-	0	0
HD36B2A	0	0	-	-	-
HD48C2C	-	-	0	0	-
HD60D2C	-	-	-	0	0
AHP30B2A	0	-	-	-	-
AHP36C2A	0	0	-	-	-
AHP42C2C	-	-	0	-	-
AHP/SHP48D2C	-	-	0	0	-
AHP/SHP60D2C	-	0	0	0	0
FC/MC/PC/UC30A3X	0	-	-	-	-
FC/MC/PC/UC30B3X	0	-	-	-	-
FC/MC/PC/UC36A3X	0	0	-	-	-
FC/MC/PC/UC36B3X	0	0	-	-	-
FC/MC/PC/UC36C3X	0	0	-	-	-
FC/MC/PC/UC42B3X	-	-	0	-	-
FC/MC/PC/UC43X3X	-	-	0	-	-
FC/MC/PC/UC48C3X	-	-	0	0	-
FC/MC/PC/UC48D3X	-	-	0	0	-
FC/PC/UC/UC60C3X	-	-	-	-	0
FC/MC/PC/UC60D3X	-	-	-	-	0
MC61D3X	-	-	-	-	0
HC30A3X	0	-	-	-	-
HC36B3X	0	0	-	-	-
HC42C3X	-	-	0	0	-
HC60D3X	-	-	-	0	0
HD36B3X	0	0	-	-	-
HD48C3X	-	-	0	0	-
HD60D3X	-	-	-	0	0
AHP30B3X	0	-	-	-	-
AHP36C3X	0	0	-	-	-
AHP42C3X	-	-	0	-	-
AHP/SHP48D3X	-	-	0	0	-
AHP/SHP60D3X	-	0	0	0	0
F4FP040H06T2A	-	0	-	-	-

**FOOTNOTES:**

1. Systems matched with furnace or air handlers not equipped with blower-off delays may require blower Time Delay Kit 2FD06700224.

**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 TXV 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.

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