

## Outdoor Split System Air Conditioner 3 — 6 1/3 Tons

Models H\*DB036 Thru 076  
10 SEER 3 Phase

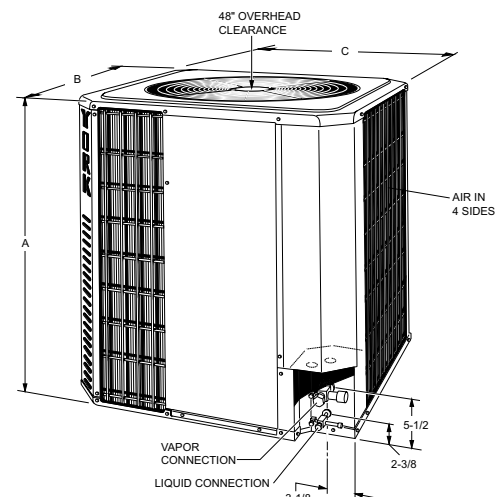
### Physical and Electrical Data

MODEL		H4DB036	H5DB048	H4DB060	H4DB076	H4DB036	H5DB048	H4DB060	H4DB076	H5DB048	H4DB060	H4DB076	
		25				46				58			
Unit Supply Voltage		208/230-3-60				460-3-60				575-3-60			
Normal Voltage Range <sup>1</sup>		187 to 253				432 to 504				517 to 633			
Minimum Circuit Ampacity		15.2	19.0	21.6	25.4	8.1	9.7	10.8	12.8	7.5	8.6	9.0	
Max. Overcurrent Device Amps <sup>2</sup>		25	30	30	40	15	15	15	20	15	15	15	
Compressor Type <sup>3</sup>		Recip	Scroll <sup>B</sup>	Scroll <sup>B</sup>	Scroll <sup>B</sup>	Recip	Scroll <sup>B</sup>	Scroll <sup>B</sup>	Scroll <sup>B</sup>	Scroll <sup>B</sup>	Scroll <sup>B</sup>	Recip	
Compressor Amps	Rated Load	10.9	14.1	16.0	18.9	5.8	7.1	8.0	9.5	5.6	6.4	6.5	
	Locked Rotor	78	105	125	146	40	55	66.5	73	44	50	58	
Crankcase Heater		Yes	No	No	No	Yes	No	No	No	No	No	NO	
Fan Motor Amps	Rated Load	1.4	1.4	1.6	1.8	0.8	0.8	0.8	1.0	0.5	0.6	0.9	
	Locked Rotor	3.12	3.12	3.5	3.5	1.8	1.8	2.0	1.4	1.1	1.5	1.1	
Fan Diameter Inches		18	18	24	24	18	18	24	24	18	24	24	
Fan Motor	Rated HP	1/4	1/4	1/4	1/3	1/4	1/4	1/4	1/3	1/4	1/4	1/3	
	Nominal RPM	1100	1100	850	1100	1075	1075	850	1100	1075	850	1100	
	Nominal CFM	2150	2150	3000	4200	2350	2150	3000	4200	2150	3000	4200	
Coil	Face Area Sq. Ft.	11.3	14.1	20.0	20.0	11.3	14.1	20	20.0	14.1	20.0	20.0	
	Rows Deep	1	1	1	2	1	1	1	2	1	1	2	
	Fin / Inches	18	16	18	13	18	16	18	13	16	18	13	
Liquid Line OD		3/8	3/8	3/8	1/2	3/8	3/8	3/8	1/2	3/8	3/8	1/2	
Vapor Line OD		3/4	7/8	7/8	1-1/8	3/4	7/8	7/8	1-1/8	7/8	7/8	1-1/8	
Operating Weight Lbs.		140	176	210	300	140	176	210	300	176	210	300	

1. Rated in accordance with ARI Standard 110, utilization range "A".
2. Dual element fuses or HACR circuit breaker.
3. All scrolls listed with a superscript "B" are Bristol scrolls. All scrolls listed with a superscript "C" are Copeland scrolls.

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

Unit Model H*DB	Dimensions (Inches)			Refrigerant Connection Line Size	
	A	B	C	Liquid	Vapor
036	24-1/8	24	24		3/4
048	30-1/8	24	24	3/8	7/8
060	31-1/8	34-1/2	34-1/2		
076	31-1/8	34-1/2	34-1/2	1/2	1-1/8



# R-22 SYSTEM CHARGING PROCEDURE

Additional R-22 Charge / Orifice Size for Various Matched Systems				
Outdoor Unit	H4DB036	H5DB048	H4DB060	H4DB076
Unit Orifice (s) <sup>1</sup>	73, 75	81, 84	90, 93	-
Factory R-22 Charge, lbs.-oz.	4 - 9	6 - 0	8 - 0	14-0

Indoor Coil	Coil Orifice <sup>2</sup>	System Orifice = Additional Charge, Oz.			
G1FA/G1UA048S17	84	75 + 14	-	-	-
G1FA/G1UA048S21, 24	84	75 + 21	84 + 6	-	-
G1FA/G1UA060S21, 24	90	-	84 + 6	90 + 0	-
G1NA036S17J	67	73 + 2	-	-	-
G1NA036S21C	67	73 + 2	-	-	-
G1NA048S21D	78	75 + 8	84 + 0	-	-
G2FD035S(H)14	65	73 + 0	-	-	-
G2FD036S(H)17	75	73 + 3	-	-	-
G2FD036S(H)21	75	73 + 5	-	-	-
G2FD042S(H)21	78	73 + 8	-	-	-
G2FD046S(H)17	78	73 + 7	84 + 0	-	-
G2FD048S(H)21, 24	84	75 + 20	84 + 3	-	-
G2FD060S(H)24	90	-	84 + 6	90 + 0	-
G2FD061H24	90	-	-	90 + 5	-
G1HD036	69	69 + 22	-	-	-
G1HD048	81	75 + 14	81 + 2	-	-
G1HD060	93	-	84 + 9	90 + 0	-
F2RC/FC036	73	73 + 0	-	-	-
F2RP/FP036	75	75 + 6	-	-	-
F2RP/FP042	78	75 + 8	-	-	-
F2FP045	78	78 + 25	-	-	-
F2FP048	84	-	84 + 6	-	-
F2FP060	90	-	84 + 8	90 + 0	-
K4EU090	-	-	-	-	+0
Refrigerant Line Adder oz. / ft.		0.68	0.70	0.70	1.26

**Footnotes:**

1. These orifices are packed in the customer packet of each outdoor unit.
2. These orifices are factory mounted in the flow control device of each indoor coil.

**Procedures:**

1. Unit factory charge listed on the unit nameplate includes refrigerant for the condenser, the smallest evaporator and for 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.