

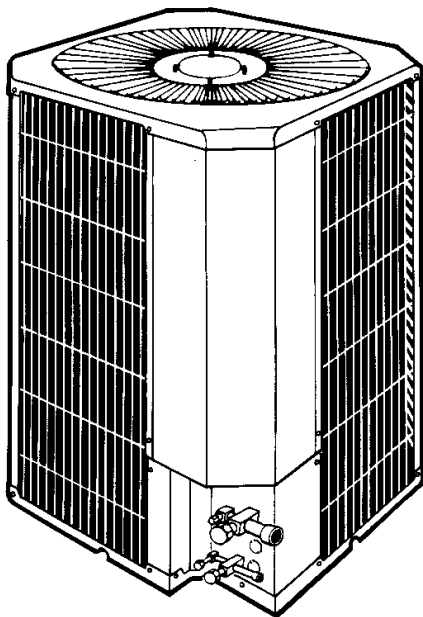


STELLAR 2000™

SPLIT-SYSTEM AIR CONDITIONERS “DB” SERIES - 10.00 SEER

Models H*DB012 thru H*DB076
(1 Ø and 3 Ø)

Nominal Capacity: 12 thru 72 MBH



DESCRIPTION

The HDB Series condensing unit is the outdoor part of a versatile system of air conditioning. It is designed to be custom-matched with one of YORK's complete line of evaporator sections, each designed to serve a specific function. Matching Air Handlers are available for upflow, downflow or horizontal application to provide a complete system. Electric heaters are available if required. Add-On coils are available for use with upflow, downflow or horizontal furnaces.

FEATURES

QUALITY CONDENSER COILS - The coil is constructed of copper tube and hardened black coated aluminum fins for durability and long lasting efficient operation. The fins on the unit are protected with a decorative grille.

PROTECTED COMPRESSOR - The compressor is internally protected against high pressure and temperature. This is accomplished by the simultaneous operation of high pressure relief valve and a temperature sensor which protect the compressor if undesirable operating conditions occur.

DURABLE FINISH - Cabinet is made of pre-painted steel. The pre-treated flat galvanized steel provides a better paint to steel bond, which resists corrosion and rust creep. Special primer formulas and glossy earth tone finish insure less fading when exposed to sunlight.

LOWER INSTALLED COST - Installation time and costs are reduced by easy power and control wiring connections. Discharge line heat exchanger knockouts are provided, if required. Both quick connect and sweat connect models are available. Both service valves are firmly affixed to the unit. The sweat unit contains enough refrigerant for matching indoor coils and 15 feet of interconnecting piping. The small base dimension means less space is required on the ground or roof.

TOP DISCHARGE - The warm air from the top mounted fan is blown up away from the structure and any landscaping. This allows compact location on multi-unit applications.

LOW OPERATING SOUND LEVEL - The upward air flow carries the normal operating noise up away from the living area. The rigid top panel effectively isolates any motor sound. Isolator mounted compressor and the rippled fins of the condenser coil muffle the normal fan motor and compressor operating sounds.

LOW MAINTENANCE - Long life permanently lubricated motor-bearings need no annual servicing.

EASY SERVICE ACCESS - Fully exposed refrigerant connections and a single panel covering the electrical controls make servicing easy.

SECURED SERVICE VALVES - Secured re-useable service valves are provided on both the liquid and vapor sweat connections for ease of evacuating and charging.

COOLING CAPACITY - With Air Handler and Coils

UNIT MODEL	AIR HANDLER			COIL ⁴ MODEL	COOLING ⁷							
	MODEL ⁴	ELECT. HT. KW	W		RATED CFM	NET MBH		KW	SEER	SEER/ B.O.D. ¹	SEER/ S.V. ²	EER ³
						TOTAL	SENS.					
1 & 3 PHASE HDB WITH AIR HANDLERS AND COILS												
H1DB012	N2AHD06	5,8,10,13	12	G3HC018	450	12.4	8.7	1.42	10.00	N/R	-	8.70
H1DB018	N2AHD06	5,8,10,13	12	G3HC018	650	17.5	12.4	2.05	10.00	N/R	-	8.50
	N2AHD10	5,8,10,13,15,20	16	G3HC024	650	18.0	12.6	2.11	10.30	N/R	-	8.50
H2DB024	N2AHD10	5,8,10,13,15,20	16	G3HC024	750	22.5	17.0	2.36	10.10	N/R	-	9.50
				G3HC030	750	23.5	17.2	2.39	10.50	N/R	-	9.80
H1DB030	N2AHD10	5,8,10,13,15,20	16	G3HC030	1050	28.6	19.3	2.94	10.30	N/R	-	9.70
	N4AHD14	5,8,10,13,15,20,25	22	G3HC036	1050	28.0	20.7	2.96	10.30	N/R	-	9.50
H1DB036	N4AHD14	5,8,10,13,15,20,25	22	G3HC036	1290	35.0	25.9	3.77	10.10	N/R	-	9.30
				G3HC042	1290	36.6	27.0	3.85	10.40	N/R	-	9.50
H1DB042	N2AHD14	5,8,10,13,15,20,25	22	G3HC042	1400	39.2	29.0	4.30	10.00	N/R	-	9.10
	N4AHD16	5,8,10,13,15,20,25,30	26	G3HC048	1400	39.4	28.2	4.33	10.20	N/R	-	9.10
H2DB048	N2AHD16	5,8,10,13,15,20,25,30	26	G3HC048	1650	46.5	32.9	4.77	10.00	NR	-	9.55
				G3HC060	1650	47.5	34.4	4.79	10.45	NR	-	9.85
H2DB060	N4AHD20	5,8,10,13,15,20,25,30	26	G3HC060	1850	56.0	41.40	6.14	10.30	N/R	-	9.13
1 & 3 PHASE HDB WITH VARIABLE SPEED AIR HANDLERS AND COILS												
H1DB018	N1VSD10	5,8,10,13,15,20	16	G3HC024	650	18.5	13.1	1.85	11.00	N/R	-	10.00
H2DB024	N1VSD10	5,8,10,13,15,20	16	G3HC024	750	22.8	17.3	2.21	10.00	N/R	-	10.31
				G3HC030	750	23.8	17.5	2.28	11.20	N/R	-	10.45
H1DB030	N1VSD10	5,8,10,13,15,20	16	G3HC030	1050	29.0	19.5	2.90	11.0	N/R	-	10.00
	N1VSD14		22	G3HC036	1050	28.5	19.3	2.71	11.00	N/R	-	10.50
H1DB036	N1VSD14	5,8,10,13,15,20	22	G3HC036	1290	35.0	27.9	3.57	10.90	N/R	-	9.80
				G3HC042	1290	36.5	27.0	3.65	11.20	N/R	-	10.00
H1DB042	N1VSD14	5,8,10,13,15,20	22	G3HC042	1400	39.2	28.0	4.10	11.00	N/R	-	9.60
	N2VSD20			G3HC048	1400	39.4	28.2	4.10	11.20	N/R	-	9.60
H2DB048	N2VSD20	5,8,10,13,15,20	22	G3HC048	1650	46.5	32.9	4.60	11.30	NR	-	10.00
				G3HC060	1650	47.5	34.4	4.60	11.25	NR	-	10.20
H2DB060	N2VSD20	5,8,10,13,15,20	22	G3HC060	1850	56.3	41.4	6.04	10.55	N/R	-	9.32
1 & 3 PHASE HDB WITH COOLING COIL AIR HANDLERS												
H1DB018	F1RC018	2.5,5,7.5	18	-	650	18.0	13.5	1.99	10.00	-	-	9.00
	F1RC024	5,7.5,10		-	650	18.5	13.1	2.05	10.50	-	-	9.10
H2DB024	F1RC024	5,7.5,10	18	-	800	23.2	16.7	2.58	10.00	-	-	9.00
				-	1035	28.2	20.8	2.89	10.40	10.5 ³	-	9.75
H1DB030	F1RC030	5,7.5,10,15	18	-	1035	28.4	21.0	2.85	10.80	-	-	10.00
	F1RC036	5,7.5,10,15		-	1250	34.4	25.1	3.85	10.00	-	-	8.95
H1DB036	F1RC036	5,7.5,10,15	18	-	1250	34.4	25.1	3.85	10.00	-	-	8.95
1 & 3 PHASE HDB WITH HEAT PUMP COIL AIR HANDLERS												
H2DB024	F1RP024	5,7.5,10	18	-	800	24.0	17.2	2.64	10.2	-	-	9.00
	F1RP030	5,7.5,10,15		-	850	24.0	18.0	2.24	10.1	-	-	10.70
H1DB030	F1RP030	5,7.5,10,15	18	-	1035	28.6	21.0	2.85	10.8	11.0 ⁸	-	8.90
	F1RP036	5,7.5,10,15		-	1250	28.5	21.0	2.85	10.8	-	-	-
H1DB036	F1RP030	5,7.5,10,15	21.5	-	1250	28.5	21.0	2.85	10.8	-	-	10.00
			21.5	-	1250	36.0	26.6	3.80	10.5	-	-	9.40
H1DB042	F1RP042	5,7.5,10,15	21.5	-	1400	39.5	27.6	4.43	10.0	-	-	8.90
H2DB048	F1FP048	5,7.5,10,15,20,25	21.5	-	1600	48.0	35.2	4.82	10.05	-	-	9.95
H2DB060	F1FP060	5,7.5,10,15,20,25	21.5	-	1850	57.0	42.2	6.06	10.00	-	-	9.40
1 & 3 PHASE HDB WITH COMMERCIAL, BELT DRIVE KEU EVAPORATOR BLOWER UNIT												
H2DB060	K2EU060	10,16,25	36	-	2000	55.5	39.5	6.30	10.0	-	-	-
H1DB076	K4EU090	10,16,25,36	52	-	2550	72.0	49.8	7.80	-	-	-	9.80

Rated in accordance with DOE test procedures (Federal Register 12-27-79) and ARI Standards 210.

MBH based on 80°F entering air temperature, 50% RH, and rated air flow.

KW includes compressor, outdoor fan and indoor blower motor watts. Add-on coils include 365 watts/1000 CFM for blower motor.

SEER (Seasonal Energy Efficiency Ratio) is the total cooling output in BTU's during a normal annual usage period for cooling divided by the total electric power input in watt-hours during the same period.

¹B.O.D. = Blower Off Delay (Model #2FD06700224).

N/R = Not Required. Blower Off Delay standard with air handler.

²S.V. = Solenoid Valve Kit (Model #2SV06700124).

³EER (Energy Efficiency Ratio) is the total cooling output in BTU's is at a 95°F outdoor ambient divided by the total electric power in watt-hours at those conditions.

⁴To meet R=4.2 insulation requirements, substitute N1FA for N2AH, N3FA for N4AH, G1FC for G3HC and F1FC for F1RC models.. All ratings remain the same.

⁵P1CK, P1CKV, P3UR furnaces and FRC, FRP air handlers have B.O.D. standard.

⁶Field transition required between furnace and coil.

⁷Standard Cooling Operation is limited to 45 ° F outdoor ambient.

⁸TXV = Thermal Expansion Valve Kit. Must be used with Hard Start Kit Accessory.

COOLING CAPACITY - With 80% Furnace and Coils

UNIT MODEL	FURNACE			COIL MODEL	COOLING ⁷					
	MODEL	OUTPUT MBH	W		RATED CFM	NET MBH		KW	SEER	EER ³
						TOTAL	SENS.			
1 & 3 PHASE HDB WITH UPFLOW FURNACE COILS										
H1DB012	P1CKD08 ⁵	32	12	G3US018 M3UF024	450 450	13.1 13.1	9.5 9.1	1.40 1.43	10.00 10.00	9.40 9.20
H1DB018	P1CKD08 ⁵	32	12	G3US018 M3UF024	650 650	18.2 18.0	13.6 12.9	1.98 1.99	10.40 10.10	9.20 9.00
	P1CKD08 ⁵	48	16	G3UA024	650	18.0	12.8	2.00	10.40	9.00
	P1CKD12 ⁵			G1UA024S17 ⁶	650	18.4		2.02	10.15	9.10
				G1NA030S17H	650	19.0	13.7	2.03	10.50	9.35
				G1FD030S17 ⁶	650	19.0	14.1	2.03	10.50	9.35
M3UF032	650			18.0	12.8	2.00	10.40	9.00		
H2DB024	P1CKD08 ⁵	32	12	G3UA030 M3UF024	750	24.0	18.0	2.44	10.30	9.83
	P1CKD12 ⁵	48	16	G3UA024	750	23.5	17.6	2.44	10.10	9.63
				G3UA036	800	24.3	17.5	2.49	10.50	9.73
				G1UA036S17 ⁶	870	24.6	17.7	2.59	10.20	9.50
				G1NA030S17H	810	24.4	17.6	2.48	10.20	9.85
				G1FD030S17 ⁶	870	24.6	17.7	2.59	10.20	9.50
	M3UF032	850	22.5	16.5	2.44	10.10	9.20			
P1CKD14 ⁵	80	22	G3UA037 M3UF044	800 850	24.2 23.0	17.7 17.0	2.48 2.44	10.40 10.20	9.75 9.40	
H1DB030	P1CKD12 ⁵	48	16	G3UA036	1050	29.6	21.9	2.98	10.30	9.90
	P1CKD12 ⁵	64		G1UA036S17 ⁶	1025	29.2	21.0	2.98	10.10	9.80
				G1NA036S17K ⁶	1025	29.4	20.6	2.97	10.40	9.90
	P1CKD14 ⁵	80	22	G1FD030S17	1025	29.2	21.0	2.98	10.10	9.80
				M3UF032	1050	27.6	18.7	2.85	10.30	9.70
				G3UA037 M3UF044	1050 1050	29.6 28.8	21.9 21.0	2.98 2.99	10.40 10.30	9.90 9.60
H1DB036	P1CKD12 ⁵	48	16	G3UA036	1200	36.0	26.6	3.83	10.00	9.40
	P1CKD12 ⁵	64		G1UA036S17 ⁶	1220	35.0	25.1	3.74	10.00	9.35
				G1NA036S17S ⁶	1225	35.0	24.5	3.93	10.00	8.90
	P1CKD16 ⁵	80	22	G1FD036S17	1200	36.0	26.6	3.87	10.00	9.30
				G3UA037	1250	36.0	26.6	3.83	10.10	9.40
				G1NA036S21C	1225	35.0	24.5	3.93	10.00	8.90
				G1FD042S21	1205	36.0	26.6	3.85	10.50	9.35
P1CKD16 ⁵	96		M3UF044	1250	36.0	24.9	3.72	10.50	9.70	
			G3UA048	1250	37.0	27.0	3.49	10.30	10.60	
H1DB042	P1CKD16 ⁵	64	22	G3UA048	1400	42.0	31.7	4.27	10.00	9.80
	P1CKD14 ⁵	80		G1NA048S21D	1400	39.5	28.0	4.40	10.00	9.05
	P1CKD16 ⁵	96		G3UA060	1400	42.4	32.4	4.34	10.20	9.80
	P1CKD20 ⁵	96		G1UA048S21 ⁶	1425	40.0	30.2	4.40	10.00	9.10
				G1FD042S21	1400	39.5	30.8	4.39	10.00	9.00
				M3UF044	1350	39.2	29.4	4.24	10.00	9.20
	P1CKD20 ⁵	112	26	G3UA061	1400	42.6	33.6	4.43	10.40	9.60
M3UF052				1400	39.2	29.8	4.32	10.00	9.10	
H2DB048	P1CKD16 ⁵	64	22	G3UA048	1600	48.0	35.5	4.71	10.55	10.20
	P1CKD14 ⁵	80		G1NA048S21D	1500	44.5	32.6	4.73	10.00	9.40
	P1CKD16 ⁵	96		G2UT048	1600	47.5	35.2	4.73	10.20	10.05
	P1CKD20 ⁵	96		G3UA060	1600	48.5	35.8	4.80	10.50	10.10
				G1UA060S24 ⁶	1620	48.5	36.7	4.78	10.50	10.10
				G1FD060S24 ⁶	1620	48.5	36.7	4.75	10.55	10.20
	P1CKD20 ⁵	112	26	G3UA061	1600	48.5	35.8	4.80	10.50	10.10
M3UF052				1600	45.0	32.0	4.46	10.05	10.10	
H2DB060	P1CKD20 ⁵	80	22	G3UA060	1800	59.0	43.0	6.11	10.50	9.50
	P1CKD20 ⁵	96		G1UA060S24 ⁶	1800	58.0	42.5	6.27	10.00	9.25
	P1CKD20 ⁵	112	26	G1FD060S24 ⁶	1800	58.0	42.5	6.27	10.00	9.25
				G3UA061	1850	59.0	43.0	6.11	10.50	9.50
H1DB076	P3UCB30	122	32	M3UF064	1850	55.5	40.0	6.16	10.00	9.00
		122	32	M2UX090	2500	72.0	54.2	7.67	-	9.40

See Notes on Page 2.

COOLING CAPACITY - With 90% Furnace and Coils

UNIT MODEL	FURNACE			COIL MODEL	COOLING ⁷						
	MODEL	OUTPUT MBH	W		RATED CFM	NET MBH		KW	SEER	SEER TXV ⁸	EER ³
						TOTAL	SENS.				
1 & 3 PHASE HDB WITH UPFLOW FURNACE COILS											
H1DB012	P3URD08	37	14	G3US018	450	13.1	9.5	1.40	10.00	-	9.40
				M3UF024	450	13.1	9.1	1.43	10.00	-	9.20
H1DB018	P3URD08	37	14	G3US018	650	18.2	13.6	1.98	10.40	-	9.20
				M3UF024	650	18.0	12.9	1.99	10.10	-	9.00
	P3URD08 P3URD10	55	17	G3UA024	650	18.0	12.8	2.00	10.40	-	9.00
				G1FD030S17 M3UF032	650 650	19.0 18.0	14.1 12.8	2.03 2.00	10.50 10.40	- -	9.35 9.00
H2DB024	P3URD10 P3URD12	55 74	17	G3UA024	750	23.5	17.6	2.44	10.10	-	9.63
				G1UA024S17	870	24.0	18.4	2.55	10.10	-	9.40
				G1FD030S17	870	24.6	17.7	2.59	10.20	-	9.50
				G3UA036	800	24.3	17.5	2.49	10.50	-	9.73
				G1UA036S17	870	24.6	17.7	2.59	10.20	-	9.50
				M3UF032	850	22.5	16.5	2.44	10.10	-	9.20
	P3URD14	98	21	G1UA036S21	870	24.6	17.7	2.59	10.20	-	9.50
				G3UA037 M3UF044	800 850	24.2 23.0	17.7 17.0	2.48 2.44	10.40 10.20	- -	9.75 9.40
H1DB030	P3URD10 P3URD10 P3URD12	55 74 75	17	G3UA036	1050	29.6	21.9	2.98	10.30	-	9.90
				G1UA036S17	1025	29.2	21.0	2.98	10.10	10.70	9.80
				G1FD030S17	1025	29.2	21.0	2.98	10.10	-	9.80
				M3UF032	1050	27.6	18.7	2.85	10.30	-	9.70
	P3URD14	98	21	G1UA036S21	1025	29.2	21.0	2.98	10.10	-	9.80
				G3UA037 M3UF044	1050 1050	29.6 28.8	21.9 21.0	2.98 2.99	10.40 10.30	- -	9.90 9.60
H1DB036	P3URD12	74	17	G3UA036	1200	36.0	26.6	3.83	10.00	-	9.40
				G1UA036S17	1220	35.0	25.1	3.74	10.00	10.15	9.35
				G1FD036S17	1200	36.0	10.0	3.87	10.00	-	9.30
	P3URD16 P3URD14 P3URD20	76 98 112	21	G1UA036S21	1220	35.0	25.1	3.74	10.00	-	9.35
				G1NA036S21C	1225	35.0	24.5	3.93	10.00	-	8.90
				G3UA037	1250	36.0	26.6	3.83	10.10	-	9.40
				G1FD042S21	1205	36.0	26.6	3.85	10.50	-	9.35
				M3UF044	1250	36.0	24.9	3.72	10.50	-	9.70
				G3UA048	1250	37.0	27.0	3.49	10.30	-	10.60
				G1UA048S21	1220	35.6	27.5	3.75	10.10	-	9.50
H1DB042	P3URD16 P3URD20 P3URD20	76 94 112	21	G3UA048	1400	42.0	31.7	4.27	10.00	-	9.80
				G1UA048S21	1425	40.0	30.2	4.40	10.00	-	9.10
				G3UA060	1400	42.4	32.4	4.34	10.20	-	9.80
				G1FD042S21	1400	39.5	30.9	4.40	10.00	-	9.00
				M3UF044	1350	39.2	29.4	4.24	10.00	-	9.20
	P3URD20	130	24	G3UA061	1400	42.6	33.6	4.43	10.40	-	9.60
				G1UA048S24	1425	40.0	30.2	4.40	10.00	-	9.10
				M3UF052	1400	39.2	29.8	4.32	10.00	-	9.10
H2DB048	P3URD16 P3URD20 P3URD20	76 94 112	21	G3UA048	1600	48.0	35.5	4.71	10.55	-	10.20
				G1UA048S21	1620	48.0	36.2	5.19	10.00	-	9.25
				G1NA048S21	1620	48.0	36.2	5.19	10.00	-	9.25
				G2UT048	1600	47.5	35.2	4.78	10.05	-	10.05
				G3UA060	1600	48.5	35.8	4.78	10.50	-	10.10
	P3URD20	130	24	G1UA060S24	1620	48.5	36.7	5.11	10.10	-	9.50
				G1FD060S24	1620	48.5	36.7	5.11	10.10	-	9.50
				G3UA061 M3UF052	1600 1600	48.5 45.0	35.8 32.0	4.80 4.46	10.50 10.05	- -	10.10 10.10
H2DB060	P3URD20	94 112	21	G3UA060	1800	59.0	43.0	6.11	10.50	-	9.50
				G1UA060S24	1800	58.0	42.5	6.27	10.00	-	9.25
				G1FD060S24	1800	58.0	42.5	6.27	10.00	-	9.25
	P3URD20	130	24	G1FD060S24	1800	58.0	42.5	6.27	10.00	-	9.25
				G3UA061	1850	59.0	43.0	6.11	10.50	-	9.50

See Notes on Page 2.

COOLING CAPACITY - With 78% Furnace and Coils

UNIT MODEL	FURNACE			COIL MODEL	COOLING					
	MODEL	MODEL # MBH	W		RATED CFM	NET MBH		KW	SEER	EER
						TOTAL	SENS.			
1 Phase HDB / UPFLOW FURNACE & COILS										
H1DB018	P1SPD10	40	17	G3UA024	650	18.0	12.8	2.00	10.40	9.00
				G1UA024S17 ⁶	650	18.4	13.6	2.02	10.15	9.10
				G1FD030S17 ⁶	650	19.0	14.1	2.03	10.50	9.14
				G1NA030S17H ⁶	650	19.0	13.7	2.03	10.50	9.35
				M3UF032	650	18.0	12.8	2.00	10.40	9.00
H2DB024	P1SPD12	40 60	17	G3UA036	800	24.3	17.5	2.49	10.50	9.70
				G1UA024S17	870	24.0	18.4	2.55	10.10	9.40
				G1FD030S17	870	24.6	17.7	2.59	10.20	9.50
				G1NA030S17H	810	24.4	17.5	2.48	10.20	9.85
				M3UF032	850	22.5	16.5	2.44	10.10	9.20
	P1SPD16	60 80	20	G3UA037	800	24.2	17.7	2.48	10.40	9.75
				G1UA036S21 ⁶	870	24.6	17.7	2.59	10.20	9.50
				M3UF044	850	23.0	17.0	2.44	10.20	9.40
H1DB030	P1SPD12	40 60	17	G3UA036	1050	29.6	21.9	2.98	10.30	9.90
				G1UA036S17	1025	29.2	21.0	2.98	10.10	9.80
				G1FD030S17	1025	29.2	21.0	2.98	10.10	9.80
				G1NA030S17K	1025	29.4	20.6	2.97	10.40	9.90
				M3UF032	1050	27.6	18.7	2.85	10.30	9.70
	P1SPD16	60 80	20	G3UA037	1050	29.6	21.9	2.98	10.40	9.90
				G1UA036S21 ⁶	1025	29.2	21.0	2.98	10.10	9.80
				M3UF044	1050	28.8	21.0	2.99	10.30	9.60
H1DB036	P1SPD12	40 60	17	G3UA036	1200	36.0	26.6	3.83	10.00	9.40
				G1UA036S17	1220	35.0	25.1	3.74	10.00	9.35
				G1NA036S17J	1225	35.0	24.5	3.93	10.00	8.90
				G1FD036S17	1200	36.0	26.6	3.87	10.00	9.30
				M3UF044	1250	36.0	24.9	3.72	10.50	9.70
	P1SPD16	60 80	20	G3UA037	1250	36.0	26.6	3.83	10.10	9.40
				G1UA036S21 ⁶	1220	35.0	25.1	3.74	10.00	9.35
				G1NA036S21C ⁶	1225	35.0	24.5	3.93	10.00	8.90
				G1FD042S21 ⁶	1205	36.0	26.6	3.85	10.50	9.35
G3UA048	1250	37.0	27.0	3.49	10.30	10.60				
H1DB042	P1SPD16	60 80	20	G3UA048	1400	42.0	31.7	4.27	10.00	9.80
				G1UA048S21 ⁶	1425	40.0	30.2	4.40	10.00	9.10
				G1FD042S21 ⁶	1400	39.5	30.8	4.39	10.00	9.00
				M3UF044	1400	42.4	32.4	4.34	10.20	9.80
	P1SPD20	100 120	23	G3UA060	1400	42.4	32.4	4.34	10.20	9.80
				G1FD042S21 ⁶	1400	39.5	30.8	4.39	10.00	9.00
				G1UA048S21 ⁶	1425	40.0	30.2	4.40	10.00	9.10
				G1NA048S21D ⁶	1400	39.5	28.0	4.36	10.00	9.05
M3UF044	1350	39.2	29.4	4.24	10.00	9.20				
H2DB048	P1SPD16	60 80 80	20 23	G3UA048	1600	48.0	35.5	4.72	10.55	10.20
				G1UA048S21	1620	48.0	36.2	5.19	10.00	9.25
				G1NA048S21 ⁶	1620	48.0	36.2	5.19	10.00	9.25
	P1SPD20	80 100 120	23	G1UA060S24 ⁶	1620	48.5	36.7	5.11	10.10	9.50
				G3UA060	1620	48.5	35.9	4.80	10.50	10.10
				G1FD060S24	1800	58.0	42.5	6.27	10.00	9.25
H2DB060	P1SPD20	80 100 120	23	G3UA060	1800	59.0	43.0	6.11	10.50	9.50
				G1UA060S24	1800	58.0	42.5	6.27	10.00	9.25
				G1FD060S24	1800	58.0	42.5	6.27	10.00	9.25

See Notes on Page 2

COOLING CAPACITY

UNIT MODEL	FURNACE			COIL MODEL	COOLING ⁷							
	MODEL	OUTPUT MBH	W		RATED CFM	NET MBH		KW	SEER	SEER/ B.O.D. ¹	EER ³	
						TOTAL	SENS.					
1 & 3 PHASE HDB WITH HORIZONTAL FURNACE COILS												
H1DB012	P1CKD08 ⁵	32	- ⁶	M3HD024 G3HC018	450	13.1	9.5	1.38	10.10	-	9.50	
			12		450	12.4	8.7	1.42	-	10.00	8.70	
H1DB018	P1CKD08 ⁵	32	- ⁶	M3HD024 G3HC018	650	18.0	13.8	2.12	10.10	-	8.50	
			12		650	17.5	12.4	2.05	-	10.00	8.50	
		48	16	G3HC024	650	18.0	12.6	2.11	10.00	10.30	8.50	
				G1FD030S17 ⁶	650	19.0	14.1	2.03	10.50	-	9.35	
H2DB024	P2HED12	40	- ⁶	M3HD024 M3HD036	850	23.5	17.3	2.44	-	10.20	9.63	
					60	850	24.0	17.0	2.42	-	10.40	9.90
					47							
	P1HDD12	69										
	P1CKD12 ⁵	48 64	16		G3HC024	850	22.4	17.0	2.36	10.10	-	9.50
G3HC030				850	23.4	17.2	2.39	10.50	-	9.80		
				G1FD030S17 ⁶	870	24.6	17.7	2.59	10.20	-	9.50	
H1DB030	P2HED12	40	- ⁶	M3HD036	1050	29.0	21.5	2.99	10.20	-	9.70	
												60
												47
	P1HDD12	69										
	P1CKD12 ⁵	48 64	16		G3HC030	1050	28.6	19.4	2.94	10.00	10.30	9.70
				G1FD030S17 ⁶	1025	29.2	21.0	2.98	10.10	-	9.80	
	P1CKD14 ⁵	80	22		G3HC036	1050	28.0	20.1	2.96	10.00	10.30	9.50
H1DB036	P2HED12	40	- ⁶	M3HD036 G1FD042S21	1200	34.0	24.1	3.79	10.00	-	9.00	
												60
												80
	P2HED16	80			G1FD042S21	1205	36.0	26.6	3.85	10.50	-	9.35
					M3HD048	1200	35.0	25.2	3.87	10.00	-	9.00
	P1HDD12	47 69										
	P1HDD16	92										
	P1CKD12 ⁵	48 64	- ⁶		G3HC036	1290	35.0	25.9	3.77	10.00	10.10	9.30
P1CKD16 ⁵	64			G3HC036	1290	35.0	25.9	3.77	10.00	10.10	9.30	
P1CKD14 ⁵	80	22		G3HC036	1300	36.6	27.0	3.79	10.00	10.40	9.60	
P1CKD16 ⁵	96			G3HC042								
H1DB042	P2HED16	80	- ⁶	G1FD042S21 M3HD048	1400	39.5	30.9	4.40	10.00	-	9.00	
												100
												92
	P1HDD16	92										
	P1HDD20	115										
	P1CKD16 ⁵	64	22		G3HC042	1400	39.2	28.0	4.30	-	10.00	9.10
P1CKD14 ⁵	80											
P1CKD16 ⁵	96											
P1CKD20 ⁵	96											
P1CKD20 ⁵	112	26		G3HC048	1400	39.4	28.2	4.33	-	10.20	9.10	
H2DB048	P2HED16	80	- ⁶	M3HD048 M3HD060	1600	47.0	36.8	4.77	10.10	-	9.85	
												100
												92
	P1HDD16	92										
	P1HDD20	115										
	P1CKD16 ⁵	64	- ⁶		G3HC048	1650	46.5	36.0	4.87	10.00	-	9.55
				G3HC060	1650	47.5	37.0	4.82	10.45	-	9.85	
P1CKD20 ⁵	80			G1FD060S24 ⁶	1620	48.5	36.7	5.11	10.10	-	9.50	
P1CKD16 ⁵	96											
P1CKD20 ⁵	96											
P1CKD20 ⁵	112	26		G3HC048 G3HC060	1650 1650	46.5 47.5	36.0 37.2	4.87 4.82	10.00 10.45	- -	9.55 9.85	
H2DB060	P1HDD20	115	- ⁶	M3HD060	1850	55.5	41.0	6.16	-	10.00	9.00	
	P1CKD20 ⁵	80	- ⁶		G3HC060	1950	57.5	41.0	6.02	10.20	-	9.55
					G1FD060S24 ⁶	1800	58.0	42.5	6.27	10.00	-	9.25

See Notes on Page 2.

COOLING CAPACITY

UNIT MODEL	FURNACE			COIL MODEL	COOLING ⁷					
	MODEL	OUTPUT MBH	W		RATED CFM	NET MBH		KW	SEER	EER ³
						TOTAL	SENS.			
1 & 3 PHASE HDB WITH DOWNFLOW FURNACE COILS										
H1DB012	P1CXD10 ⁵	48	16	M3CF032	450	13.2	9.4	1.36	10.20	9.70
H1DB018	P1CXD10 ⁵	48	16	M3CF032	650	18.0	12.6	1.92	10.10	9.40
	P1CDD10	57								
H2DB024	P1CXD10 ⁵	48	16	G1FD030S17	870	24.6	17.7	2.59	10.20	9.50
	P1CXD12 ⁵	64								
	P1CDD10	57		M3CF032	850	22.4	16.5	2.41	10.00	9.30
	P1CDD12	76								
H1DB030	P1CXD10 ⁵	48	16	G1FD030S176	1025	29.2	21.0	2.98	10.10	9.80
	P1CXD12 ⁵	64								
	P1CDD10	57		M3CF032	1050	27.5	20.0	2.96	10.00	9.30
	P1CDD12	76								
	P1CXD12 ⁵	80	22	M3CF044	1050	29.0	20.8	2.96	10.00	9.70
H1DB036	P1CXD12 ⁵	80	22	G1FD042S21 ⁶	1200	36.0	26.6	3.87	10.00	9.30
	P1CXD16 ⁵	80								
	P1CDD16	92		M3CF044	1250	35.0	25.1	3.78	10.00	9.20
	P1CDD16	95								
H1DB042	P1CXD16 ⁵	80	22	G1FD042S21 ⁶	1400	39.5	30.8	4.39	10.00	9.00
	P1CXD16 ⁵	92								
	P1CDD16	95		M3CF044	1400	39.0	27.8	4.29	10.00	9.10
H2DB048	P1CXD20 ⁹	104	26	G1FD060S24 ⁶	1800	58.0	42.5	6.27	10.00	9.25
	P1CDD20	114		M3CF052	1800	45.5	32.3	4.46	10.05	10.20
H2DB060	P1CXD20 ⁹	104	26	G1FD060S24 ⁶	1800	58.0	42.5	6.27	10.00	9.25
	P1CDD20	114								

See Notes on Page 2.

COOLING PERFORMANCE

MODEL	SUCT. T/P @ COMPR.		AIR TEMP ON CONDENSER						MODEL	SUCT. T/P @ COMPR.		AIR TEMP ON CONDENSER					
			75°F		95°F		115°F					75°F		95°F		115°F	
	TEMP.	PSIG	MBH	KW	MBH	KW	MBH	KW		TEMP.	PSIG	MBH	KW	MBH	KW	MBH	KW
H1DB012	35	61.5	13.2	1.14	11.2	1.24	9.2	1.34	H1DB036	35	61.5	34.4	2.80	30.0	3.09	25.5	3.35
	40	68.5	14.7	1.17	12.6	1.28	10.4	1.40		40	68.5	37.7	2.89	33.0	3.21	28.2	3.51
	45	76.0	16.4	1.21	14.0	1.33	11.6	1.46		45	76.0	41.1	2.98	36.2	3.34	31.1	3.67
	50	84.0	18.0	1.24	15.5	1.37	12.8	1.51		50	84.0	44.6	3.06	39.4	3.46	34.1	3.82
H1DB018	35	61.5	17.3	1.38	14.7	1.51	12.0	1.66	H1DB042	35	61.5	37.4	3.20	32.1	3.49	26.7	3.71
	40	68.5	19.3	1.43	16.5	1.58	13.7	1.74		40	68.5	41.5	3.37	35.8	3.67	30.1	3.92
	45	76.0	21.4	1.48	18.4	1.65	15.4	1.83		45	76.0	45.7	3.52	39.5	3.85	33.0	4.14
	50	84.0	23.5	1.53	20.4	1.73	17.1	1.92		50	84.0	49.7	3.67	43.3	4.01	36.3	4.33
H2DB024	35	61.5	27.0	1.84	21.6	2.02	16.5	2.17	H2DB048	35	61.5	45.0	3.28	40.1	3.98	35.2	4.81
	40	68.5	29.9	1.90	24.1	2.11	18.7	2.29		40	68.5	49.1	3.35	43.9	4.07	38.7	4.91
	45	76.0	33.0	1.97	26.7	2.19	20.9	2.40		45	76.0	53.3	3.43	47.9	4.15	42.4	5.02
	50	84.0	36.0	2.02	29.4	2.28	23.3	2.51		50	84.0	57.6	3.52	51.9	4.24	46.1	5.12
H1DB030	35	61.5	27.4	2.11	23.7	2.34	20.0	2.54	H2DB060	35	61.5	53.6	4.21	48.3	4.99	42.8	5.90
	40	68.5	30.0	2.17	26.2	2.43	22.3	2.66		40	68.5	58.4	4.31	52.8	5.10	47.1	6.03
	45	76.0	32.8	2.23	28.7	2.52	24.6	2.78		45	76.0	63.4	4.42	57.6	5.21	51.5	6.16
	50	84.0	35.7	2.29	31.3	2.61	27.0	2.89		50	84.0	68.6	4.53	62.4	5.33	56.1	6.29
									H1DB076	35	61.5	69.6	5.06	61.4	5.82	53.0	6.53
										40	68.5	76.8	5.21	67.9	6.04	58.9	6.81
										45	76.0	84.3	5.35	74.9	6.23	65.3	7.07
										50	84.0	91.9	5.48	82.0	6.42	71.9	7.31

- NOTES: 1. For condensing unit only. Does not include effect of evaporator motor power or heat.
 2. Performance based on 15° superheat and 15° sub-cooling at condensing unit.
 a. Increase capacity 1% for each 2° increase in sub-cooling.
 b. Decrease capacity 1% for each 2° decrease in sub-cooling.
 3. Sub-cooling in excess of 20° may result in excessively high condensing temperature with air on condenser above 115°. Maximum recommended condensing temperature is 140°F.

SOUND RATINGS

UNIT MODEL	SOUND RATING BELS	
	H*DB UNIT	H*DB WITH COMPRESSOR BLANKET ACCESSORY
012	7.8	7.6
018	7.6	-
024	-	7.6
030	8.0	-
036	8.2	-
042	8.0	-
048	-	-
060	-	-
076	8.0	-

* Compressor Blanket Factory Installed.

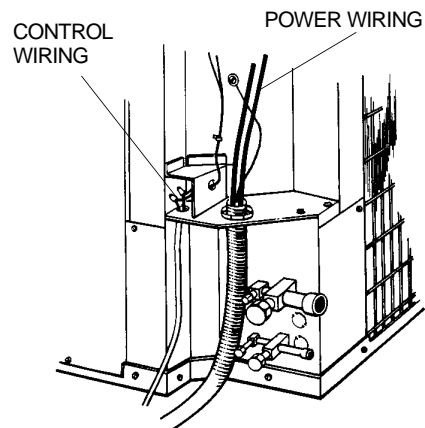
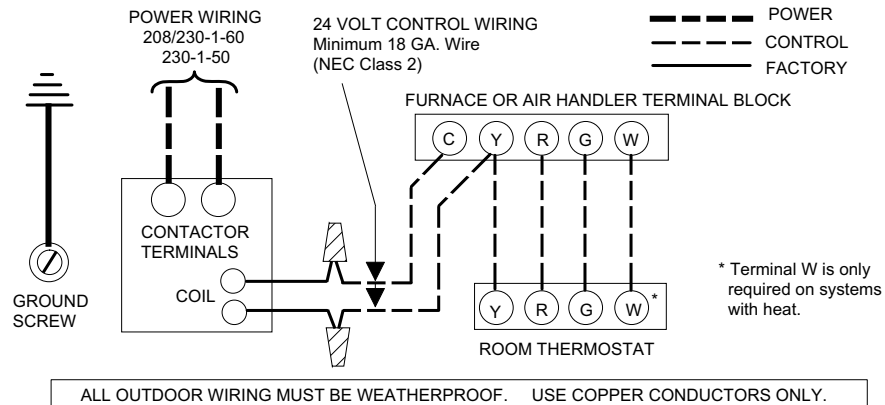


CERTIFICATION APPLIES ONLY WHEN USED WITH PROPER COMPONENTS AS LISTED WITH ARI



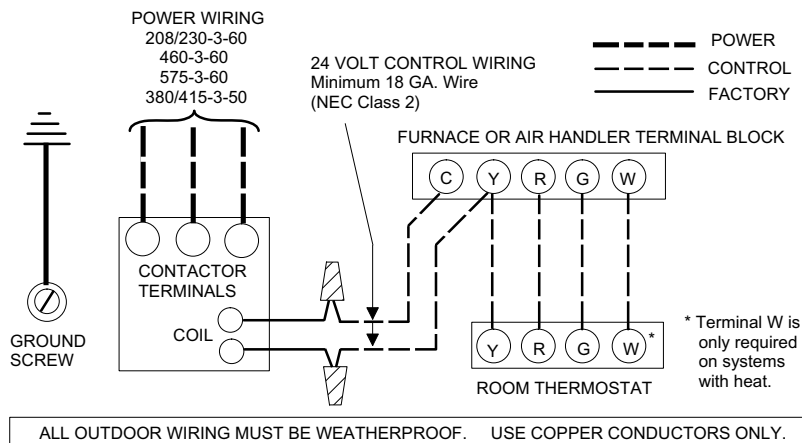
TYPICAL FIELD WIRING - 1 Ø

ALL FIELD WIRING TO BE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE (NEC) AND/OR LOCAL CODES

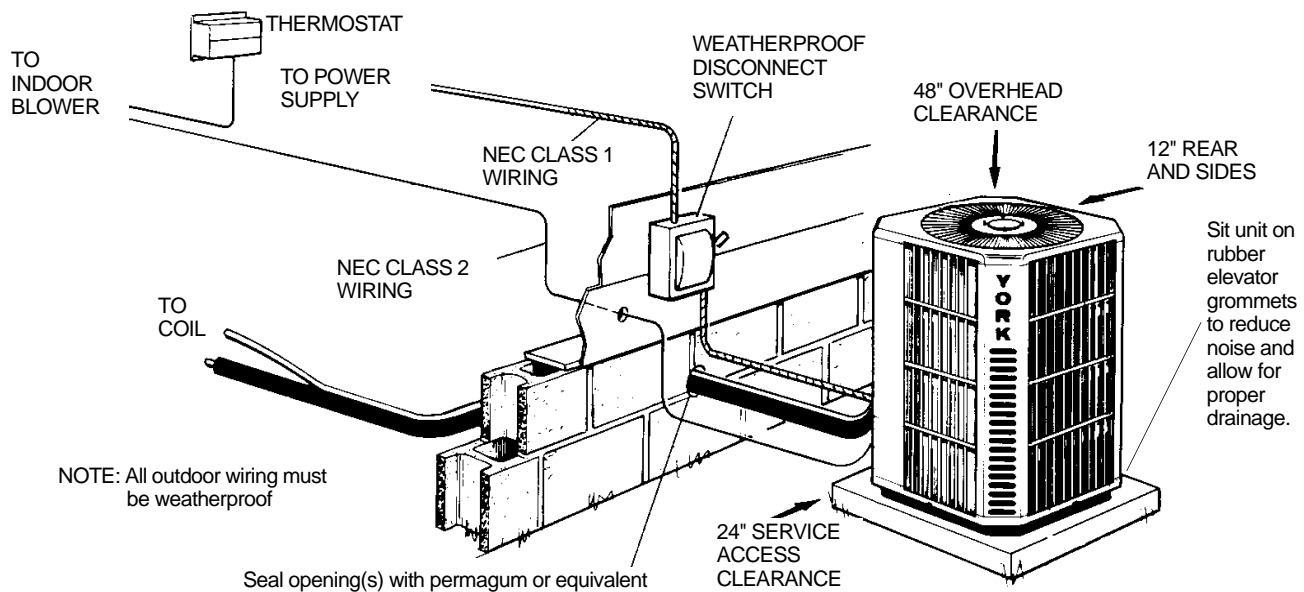


TYPICAL FIELD WIRING - 3 Ø

ALL FIELD WIRING TO BE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE (NEC) AND/OR LOCAL CODES



TYPICAL INSTALLATION



ACCESSORIES

Refer to Price Manual for specific model numbers.

Stub Adapters - Available to adapt sweat connect units to quick connect coils or sweat connect coils to quick connect units.

Precharged Line Sets - Available in 15, 25, 35 and 50 foot lengths for connection of quick connect models. Outdoor liquid ends have F-6 connectors, vapor ends have F-11 connectors. Indoor liquid ends have M-6 connectors, vapor ends have M-11 connectors. All indoor vapor ends are provided with a 90° bend.

A 30 foot line set with straight ends is available for splicing to other lines for longer runs. All vapor lines are insulated with 1/2 sponge rubber.

Start Assist Kit - Provides increased starting torque for areas with low voltage conditions.

Hard Start Kits - Provides required starting torque for use with Solenoid Valve Kit.

Off Cycle Timer - Provides a 5 minute off cycle to prevent rapid recycling of the compressor.

Room Thermostats - A wide selection of matching thermostats is available to provide features required for any installation.

2TH07700124 - One stage heat / One stage cool / Non-programmable.

2ET07700224 - One stage heat / One stage cool / Programmable, Electronic.

2ET07700324 - One stage heat / One stage cool / Programmable, Electronic.

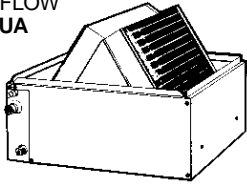
Blower Off Delay - Available to increase efficiency when using Yorkmate control. Installs on indoor section to maintain blower operation for approximately 1 minute on shutdown.

Compressor Blanket - Designed to further reduce the normal operating sounds for H1DB units.

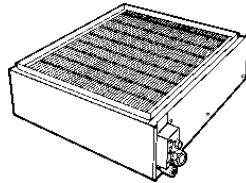
MATCHING INDOOR COMPONENTS

Add-On Coils - For Furnace Application

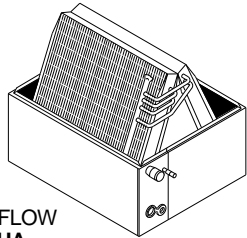
UPFLOW
G3UA



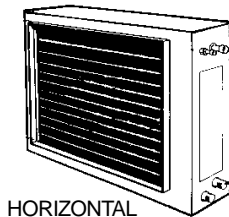
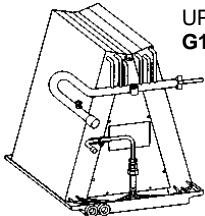
UPFLOW
FLATTOP
M3UF



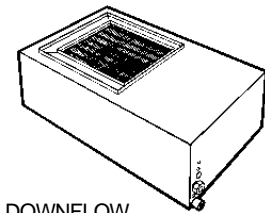
UPFLOW
G1UA



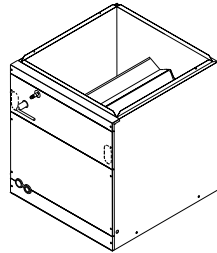
UPFLOW
G1NA



HORIZONTAL
M3HD



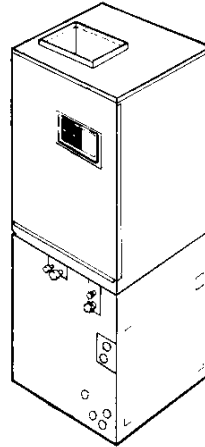
DOWNFLOW
FLATTOP
M3CF



DOWNFLOW
G1FD

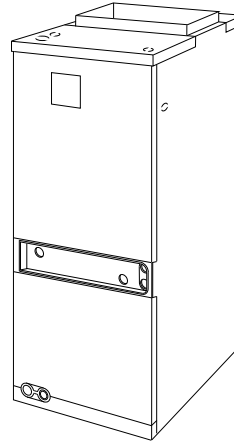
Air Handlers - For Non-Furnace Application

N2AH, N4AH
or
N1FA, N3FA
BLOWER



UPFLOW
DOWNFLOW
HORIZONTAL

G3HC
or
G1FC
COIL



UPFLOW
HORIZONTAL

F1RC /
F1FC or
F1RP /
F1FP
FAN COIL
UNITS



Heating and Air Conditioning

Unitary Products Group
P.O. Box 1592, York, Pennsylvania USA 17405-1592
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Supersedes: 550.38-TG2Y (496)