

TECHNICAL GUIDE

SPLIT-SYSTEM HEAT PUMPS

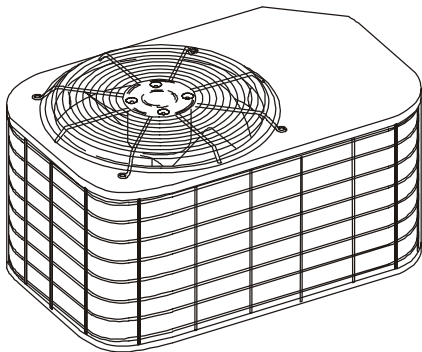
10 SEER

BRHS018 THRU 060

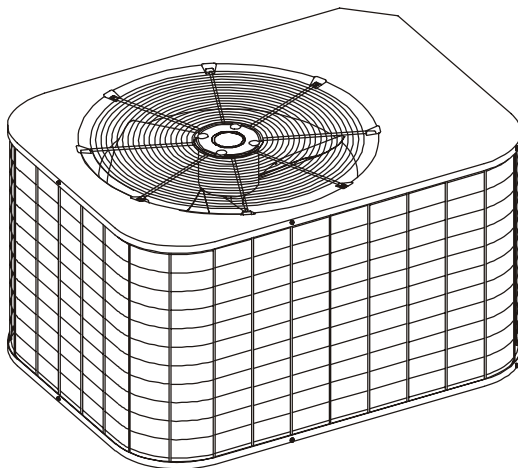
(1.5 THRU 5 NOMINAL TONS, 1 PH)

E*BA-(T,W) 036 THRU 090

(3 THRU 7.5 NOMINAL TONS, 3 PH)



MODELS 018 - 060 (1 PH)
036 - 048 (3 PH)



MODELS 060 - 090 (3 PH)

DESCRIPTION

The 10 SEER series heat pumps are designed for use with a variety of UPG evaporator sections to suit any application need. A full line of matching Add-On Coils are available for use with upflow, downflow or horizontal furnaces. Matching Air Handlers are also available for upflow, downflow or horizontal installation to provide a complete system. Electric heat may be installed in air handlers. All units are factory charged to assure easy installation.

WARRANTY

1-year limited parts warranty.

Plus an additional 4-year compressor warranty.

FEATURES

- **DURABLE CONSTRUCTION** - The outdoor unit is constructed of pre-painted steel that offers tough protection against corrosion and resists fading when exposed to sunlight. Drain holes are incorporated into the base pan to permit free drainage of moisture.
- **QUALITY COILS** - The coil is constructed of copper tube and aluminum fins. The fins are epoxy coated to improve and maintain appearance of coil as well as providing excellent corrosion protection.
- **PROTECTED COMPRESSOR** - The hermetic compressor is internally protected against high pressure and temperature by the simultaneous operation of a high pressure relief valve and temperature sensors which stop the compressor if operating temperatures go too high. Both protectors reset automatically. A discharge line solid core filter drier further protects the compressor.
- **TIME TEMPERATURE DEFROST CONTROL** - Includes a five-minute anti-short cycle timer to protect the compressor from short cycling. Field selectable 30, 60, 90 minutes defrost intervals.
- **LOW OPERATING SOUND LEVEL** - The compressor is mounted on rubber isolators to reduce operating sounds. The slow moving condenser fan keeps air turbulence and sound to a low level.
- **EASY ACCESS** - Removable panel affords accessibility to the electrical box.
- **FULLY CHARGED AND FACTORY WIRED** - to simplify installation and reduce labor costs. Only power supply and control wiring and refrigerant lines must be connected. All models are sweat connect with re-usable service valves.
- **Factory tested** - to verify system operation and control functioning before shipment.
- **U.L. and C.U.L. listed** - approved for outdoor application.

Certified in accordance with the Unitary Small Equipment certification program, which is based on ARI Standard 210/240.

COOLING CAPACITY - With Air Handler Coils

UNIT MODEL	AIR HANDLER			COIL ^{1,2} MODEL	COOLING						
	MODEL	ELECTRIC ^{3**} HEAT KW	W		RATED CFM	NET MBH		KW	SEER	SEER/TXV ⁴	EER
						TOTAL	SENS.				
1 PH 10 SEER HP WITH N-AH / G+FD											
BRHS0181BD	N-AHB0806	2,5,8,10	17	G+FD024S17	650	17.8	12.8	2.00	10.10	--	8.95
BRHS0241BD	N-AHB0806	5,8,10,15,18	17	G+FD030S17	840	22.6	16.3	2.43	10.00	--	9.30
BRHS0301BD	N-AHB1206	5,8,10,15,18	17	G+FD030S17	1000	28.0	20.7	3.08	10.00	--	9.10
BRHS0361BD	N-AHB1206	5,8,10,15,18	17	G+FD036S17	1250	33.6	24.9	3.82	10.00	--	8.80
BRHS0421CD	N-AHC1606	5,8,10,15,20	21	G+FD048S21	1400	40.0	29.6	4.37	10.10	--	9.15
BRHS0481CD	N-AHC1606	5,8,10,15,20	21	G+FD048S21	1600	45.5	33.7	4.84	10.00	--	9.40
	N-AHD2006	8,10,15,20,25,30	24	G+FD048S24	1600	45.5	32.8	4.80	10.00	--	9.40
BRHS0601CD	N-AHD2006	8,10,15,20,25,30	24	G+FD060S24	1800	54.5	40.3	6.09	--	10.00	8.95
3 PH EBA / NAH											
E*BA-(T,W)036S	N-AHC1606,46	5,8,10,15,20	21	G+FD042S21	1400	34.2	24.6	3.80	10.00	--	8.95
E*BA-(T,W)048S	N-AHC1606,46	5,8,10,15,20	21	G+FD048S21	1650	45.5	32.8	4.80	10.00	--	9.40
	N-AHD2006,46	8,10,15,20,25,(29),30	24	G+FD048S24	1650	45.5	32.8	4.80	10.00	--	9.40
E*BA-(T,W)060S	N-AHD2006,46	8,10,15,20,25,(29),30	24	G+FD060S24	1850	57.0	41.0	5.80	10.00	--	9.80
10 SEER HP WITH F+RP / F+FP ^{5,6}											
BRHS0181BD	F+RP018	5, 7.5, 10	18	--	600	17.0	12.3	1.92	10.0	--	8.90
	F+RP024	5, 7.5, 10		--	650	17.8	12.4	1.99	10.0	--	8.95
BRHS0241BD	F+RP024	5, 7.5, 10	18	--	800	22.0	16.5	2.41	10.0	--	9.3
BRHS0301BD	F+RP030	5, 7.5, 10, 15	18	--	1000	28.4	21.0	3.09	10.0	--	9.20
	F+RP036	5, 7.5, 10, 15,19	21	--	1000	29.0	20.9	3.09	10.0	--	9.40
BRHS0361BD	F+RP036	5, 7.5, 10, 15,19	21	--	1250	34.0	24.9	3.77	10.0	--	9.00
BRHS0421CD	F+FP048	5, 7.5, 10, 15,20,25	24	--	1400	39.5	28.8	4.32	10.0	--	9.15
BRHS0481CD	F+FP048	5,7.5,10,15,20,25	24	--	1600	45.5	33.6	4.97	10.0	--	9.15
BRHS0601CD	F+FP060	5,7.5,10,15,20,25	24	--	1850	54.0	40.5	6.28	10.0	--	8.60
3 PH EBA / FRP / FFP											
E*BA-(T,W)036S	F+RP036	10,15	21	--	1200	33.7	24.9	3.62	10.00	--	9.30
	F+RP042	10,15	21	--	1250	34.0	25.6	3.77	10.00	--	9.00
E*BA-(T,W)048S	F+FP048	10,15	24	--	1600	45.5	33.6	4.97	10.00	--	9.15
	F+FP060	10,15	24	--	1600	46.5	33.9	5.05	10.00	--	9.20
E*BA-(T,W)060S	F+FP060	10,15	24	--	1850	56.0	40.0	5.96	10.00	--	9.40
3 PH EBA / FHP											
E*BA-(T,W)090S	FCEH090	10,16,26,36	25-1/8	--	3000	91.0	87.4	9.60	--	--	9.50

Rated in accordance with DOE test procedures (Federal Register 12-27-79 and 3-18-88) and ARI Standards 210/240.

Cooling 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.

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

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.

1. G+FD coils available with a factory installed horizontal drain pan. See price pages for specific model number.
2. Refer to coil installation instructions for proper coil application.
3. Single phase units require single phase 2HK heaters. Three phase units require three phase 2 HK heaters.
4. TXV = Thermal Expansion Valve kit required. Use 1TV700 series kit. (Start assist components included, except 042 & 060 models which does not require due to scroll compressor.)
5. To meet R=4.2 insulation requirements, substitute F+FP for F+RP, and F+FC for F+RC. models. All ratings remain the same.
6. BGU, G8C, and G9T furnaces and F+RP / F+RC air handlers have B.O.D. standard. AGU furnaces requires B.O.D. accessory (2FD06700224).

* Field transition may be required.

**Single piece air handlers only approved for 10 & 15 KW 3Ø heater applications.

— = Not Applicable.

COOLING CAPACITY - Upflow, Downflow, and Horizontal Furnaces and Coils

UNIT MODEL	FURNACE**		COIL ¹ MODEL	COOLING						
	CFM RANGE (MIN.-MAX.)	W		RATED CFM	NET MBH		KW	SEER	SEER/TXV ⁴	EER
					TOTAL	SENS.				
BRHS0181BD	800 — 1200	17	G+FD024S14,17	650	17.8	12.8	1.98	10.1	--	8.95
		*	G-HD024	650	18.0	12.9	2.00	10.0	--	9.00
		21	G-NA030S21B	650	18.0	13.5	1.96	10.0	--	9.20
		17	G-NA030S17H	650	18.0	13.5	1.96	10.0	--	9.20
		14,17	G-UA024S14,17	650	17.6	12.7	1.96	10.0	--	8.85
BRHS0241BD	800 — 1200	17	G+FD030S17	840	22.6	16.2	2.43	10.0	--	9.30
		14	G+FD035S14	840	22.6	18.2	2.43	10.0	--	9.30
		*	G-HD024	800	22.2	16.4	2.37	10.0	--	9.35
		17	G-NA030S17H	850	23.0	16.1	2.42	10.0	--	9.50
		21	G-NA030S21B	850	23.0	16.1	2.42	10.0	--	9.50
		*	G-NF024SOF	850	23.0	17.0	2.55	10.0*	--	9.00
		14	G-UA030S14	830	22.2	16.4	2.40	10.0	--	9.25
		17,21	G-UA036S17,21	840	22.6	16.2	2.43	10.0	--	9.30
19	MDD30BSD	850	23.0	16.1	2.42	10.0	--	9.50		
BRHS0301BD	1000 — 1400	14,17	G+FD030S14,17	1000	28.0	--	3.08	10.0	--	9.10
		14	G+FD035S14	1000	28.0	19.6	3.07	10.0	--	9.10
		*	G-HD036	1000	28.4	21.0	3.08	10.1	--	9.20
		17	G-NA030S17H	1050	29.0	20.6	3.09	10.0	--	9.40
		21	G-NA030S21B	1050	29.0	20.6	3.09	10.0	--	9.40
		*	G-NF036SOF	1050	29.0	21.4	3.15	10.0*	--	9.20
		14	G-UA036S14	1000	28.4	20.6	3.12	10.0	--	9.10
		17,21	G-UA036S17,21	1000	28.0	20.2	3.07	10.0	--	9.10
19	MDD48BSD	1050	29.0	20.6	3.09	10.0	--	9.40		
BRHS0361BD E*BA-(T,W)036S	1200 — 1600	17	G+FD036S17	1250	33.6	24.9	3.82	10.0	--	8.80
		21	G+FD036S21	1250	34.0	24.5	3.80	10.0	--	9.05
		21	G+FD042S21	1250	34.2	25.3	3.82	10.0	--	8.95
		*	G-HD036	1200	33.4	24.7	3.77	10.0	--	8.85
		17	G-NA036S17L	1250	35.0	26.2	3.89	10.0	--	9.00
		21	G-NA048S21D	1250	35.0	26.2	3.89	10.0	--	8.95
		*	G-NF036SOF	1250	34.0	25.1	3.46	10.0*	--	9.00
		21,24	G-UA048S21,24	1250	34.4	24.7	3.80	10.0	--	9.05
19	MDD48DSD	1250	35.0	26.2	3.89	10.0	--	8.95		
BRHS0421CD	1400 — 2000	21,24	G+FD048S21,24	1400	40.0	29.6	4.37	10.1	--	9.15
		*	G-HD048	1400	39.5	32.9	4.34	10.0	--	9.10
		21	G-NA048S21D	1400	40.5	28.6	4.26	10.0	--	9.50
		24	G-NA048S24P	1400	40.5	28.6	4.26	10.0	--	9.50
		*	G-NF048SOF	1400	41.5	30.7	4.36	10.0*	--	9.50
		21,24	G-UA048S21,24	1400	39.5	28.4	4.29	10.0	--	9.20
19	MDD48DSD	1400	40.5	28.6	4.26	10.0	--	9.50		
BRHS0481CD E*BA-(T,W)048S	1600 — 2000	21,24	G+FD048S21,24	1600	45.5	33.7	4.84	10.0	--	9.40
		*	G-HD048	1600	44.5	32.9	4.76	10.0	--	9.35
		21	G-NA048S21D	1400	45.0	31.2	4.74	10.0	--	9.50
		24	G-NA048S24P	1400	45.0	31.2	4.74	10.0	--	9.50
		*	G-NF048SOF	1400	45.0	33.3	4.73	10.0*	--	9.50
		21,24	G-UA048S21,24	1600	45.5	32.7	4.89	10.0	--	9.30
BRHS0601CD	1700 — 2000	24	G+FD060S24	1800	54.5	40.3	6.09	10.0	--	8.95
		*	G-HD060	2000	54.5	33.9	6.19	10.0	--	8.80
		24	G-NA060S24T	1850	53.5	35.5	5.94	10.0	--	9.00
		*	G-NF060SOF	1850	53.5	39.6	5.87	10.0*	--	9.10
		21,24	G-UA060S21,24	1800	54.5	39.2	6.12	10.0	--	8.90
E*BA-(T,W)060S	1700 — 2000	24	G+FD060S24	1700	57.0	41.0	5.82	10.0	--	9.80
		24	G-UA060S24	1700	57.0	41.0	5.82	10.0	--	9.80

See Notes on Page 2.

* Requires 2FD fan time delay.

** Refer to Quick Selection Chart for specific furnace match-up.

HEATING PERFORMANCE - With Air Handler

UNIT MODEL*	COIL ¹ MODEL	ARI HEATING ²					OUTDOOR TEMP ³													
		47°F		17°F		HSPF	-3°F		7°F		17°F		27°F		37°F		47°F		57°F	
		MBH	COP	MBH	COP	STD	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
BRHS0181BD	F+RP018	17.0	2.96	9.1	1.78	6.8	6.2	1.43	7.4	1.46	9.1	1.50	11.2	1.61	14.0	1.62	17.0	1.68	18.2	1.75
	F+RP024	17.0	3.00	10.6	2.06	7.0	7.2	1.44	8.6	1.47	10.6	1.52	13.0	1.63	14.0	1.59	17.0	1.66	18.2	1.73
BRHS0241BD	F+RP024	22.0	3.20	11.5	1.88	7.0	7.5	1.56	9.3	1.66	11.5	1.78	13.0	1.87	19.4	1.91	22.0	2.00	24.8	2.08
	F+RP030	24.0	3.16	14.0	2.06	7.3	7.7	1.52	9.6	1.62	14.0	1.74	13.4	1.83	19.8	1.90	24.0	2.00	25.4	2.07
BRHS0301BD	F+RP030	28.8	3.10	16.2	2.0	7.2	10.5	1.99	13.5	2.19	16.2	2.26	19.6	2.46	25.3	2.59	28.8	2.72	33.0	2.86
	F+RP036	29.0	3.10	18.0	2.22	7.4	11.6	2.11	15.0	2.32	18.0	2.39	19.8	2.47	25.5	2.61	29.0	2.74	33.2	2.88
BRHS0361BD E*BA-(T,W)036S	F+RP036	34.0	3.00	20.4	2.16	7.2	15.5	2.40	15.6	2.54	20.4	2.80	24.9	3.03	29.9	3.20	34.0	3.32	38.5	3.50
BRHS0421CD	F+RP048	39.5	3.30	23.4	2.12	7.4	12.4	2.97	17.9	3.10	23.4	3.23	28.9	3.37	32.5	3.39	39.5	3.51	47.5	3.64
BRHS0481CD E*BA-(T,W)048S	F+FP048	47.0	3.08	31.4	2.32	7.5	20.8	3.64	26.1	3.80	31.4	3.97	36.7	4.13	40.1	4.27	47.0	4.47	54.6	4.71
BRHS0601CD	F+FP060	57.0	3.04	37.4	2.22	7.5	24.3	4.59	30.9	4.76	37.4	4.94	44.0	5.11	48.6	5.25	57.0	5.50	67.0	5.79
E*BA-(T,W)060S	F+FP060	58.5	3.12	39.0	2.34	7.6	26.0	4.48	32.5	4.68	39.0	4.88	42.1	4.98	45.1	5.07	58.5	5.49	65.0	5.70
E*BA-(T,W)090S	F+EH090	83.0	3.00	54.0	2.15	--	34.7	7.15	44.3	7.34	54.0	7.53	55.0	7.57	55.9	7.60	83.0	8.11	92.7	8.30

1. Rated CFM same as for cooling.
2. Heating MBH based on ARI standards of 70° DB entering indoor air, 72% RH outdoor air with 25 feet of interconnecting piping and no supplemental electric heat operation.
3. Integrated heating capacities include the effect of defrost cycles in the temperature range where they occur.

COP equals MBH output divided by (total KW input x 3.412).

HSPF (Heating Seasonal Performance Factor) is the total heating output during a normal annual usage period for heating divided by the total electric power input during the same period.

— = Not Applicable.

SOUND RATINGS

UNIT MODEL	SOUND RATINGS BELS
018	8.0
024	8.0
030	8.0
036	8.2
042	8.2
048	8.4
060	8.2



CERTIFICATION APPLIES ONLY
WHEN THE COMPLETE
SYSTEM IS LISTED
WITH ARI.



HEATING PERFORMANCE - With Furnace Coils

UNIT MODEL*	COIL ¹ MODEL	ARI HEATING ²					OUTDOOR TEMP ³									
		47°F		17°F		HSPF	-3°F		7°F		17°F		27°F		37°F	
		MBH	COP	MBH	COP	STD	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
BRHS0181BD	G+FD024S14,17	17.0	3.02	10.6	2.06	7.0	6.4	1.41	8.5	1.46	10.6	1.51	12.7	1.56	14.8	1.60
	G-NA030S17H	17.2	2.96	10.6	2.06	7.1	6.2	1.38	8.4	1.44	10.6	1.51	12.4	1.55	14.3	1.59
	G-NA030S21B	17.2	2.96	10.6	2.06	7.1	6.2	1.38	8.4	1.44	10.6	1.51	12.4	1.55	14.3	1.59
	G-UA024S14,17	16.8	2.95	10.6	2.02	6.9	6.4	1.44	8.5	1.49	10.6	1.54	12.7	1.59	14.8	1.64
BRHS0241BD	G+FD030S17	22.6	3.28	11.9	2.00	7.3	4.7	1.55	8.3	1.65	11.9	1.74	15.5	1.84	19.1	1.93
	G+FD035S14	22.6	3.28	11.9	2.00	7.3	4.7	1.55	8.3	1.65	11.9	1.74	15.5	1.84	19.1	1.93
	G-HD024	22.4	3.24	11.8	2.00	7.1	4.7	1.53	8.2	1.63	11.8	1.73	15.4	1.83	18.9	1.93
	G-NA030S17H	23.4	3.28	13.3	2.10	7.4	6.1	1.63	9.5	1.72	13.0	1.81	16.0	1.92	19.0	2.03
	G-NA030S21B	23.4	3.28	13.3	2.10	7.4	6.1	1.63	9.5	1.72	13.0	1.81	16.0	1.92	19.0	2.03
	G-NF024SOF	23.0	3.28	13.3	2.00	7.0	11.1	1.57	12.5	1.60	13.3	1.63	17.8	1.66	22.4	1.91
	G-UA030S14	22.4	3.20	11.6	2.00	7.1	4.4	1.46	8.0	1.58	11.6	1.70	15.2	1.82	18.8	1.94
	G-UA036S17,21	22.6	3.28	11.9	2.00	7.3	4.7	1.55	8.3	1.65	11.9	1.74	15.5	1.84	19.1	1.93
BRHS0301BD	MDD30BSD	23.4	3.28	13.3	2.10	7.4	6.1	1.63	9.5	1.72	13.0	1.81	16.0	1.92	19.0	2.03
	G+FD030S14,17	29.0	3.08	18.0	2.20	7.4	9.4	2.08	13.7	2.24	18.0	2.40	22.3	2.56	26.9	2.71
	G+FD035S14	29.0	3.08	18.0	2.20	7.4	9.4	2.08	13.7	2.24	18.0	2.40	22.3	2.56	26.9	2.71
	G-HD036	29.4	3.10	18.0	2.20	7.4	9.7	2.09	13.8	2.24	18.0	2.40	22.2	2.55	26.7	2.71
	G-NA030S17H	29.0	3.06	18.0	2.22	7.4	10.7	2.11	14.3	2.24	18.0	2.38	21.5	2.50	25.0	2.62
	G-NA030S21B	29.0	3.06	18.0	2.22	7.4	10.7	2.11	14.3	2.24	18.0	2.38	21.5	2.50	25.0	2.62
	G-NF036SOF	29.0	3.00	17.0	2.00	7.0	9.0	2.26	13.0	2.38	17.0	2.49	19.7	2.53	22.4	2.57
	G-UA036S14	29.2	3.10	18.2	2.22	7.4	11.4	2.21	14.8	2.31	18.2	2.40	20.4	2.43	22.6	2.46
BRHS0361BD E*BA-(T,W)036S	G-UA036S17,21	29.0	3.08	18.0	2.20	7.4	9.4	2.08	13.7	2.24	18.0	2.40	22.3	2.56	26.9	2.71
	MDD48BSD	29.0	3.06	18.0	2.22	7.4	10.7	2.11	14.3	2.24	18.0	2.38	21.5	2.50	25.0	2.62
	G+FD036S17	34.0	3.02	20.2	2.16	7.2	11.3	2.37	15.7	2.55	20.2	2.74	24.7	2.93	29.5	3.13
	G+FD036S21	33.4	2.92	19.8	2.12	7.0	11.0	2.33	15.4	2.53	19.8	2.74	24.2	2.94	28.9	3.16
	G+FD042S21	34.0	3.00	20.2	2.14	7.2	11.3	2.40	15.7	2.58	20.2	2.77	24.7	2.94	29.5	3.15
	G-HD036	34.0	3.03	20.2	2.14	7.2	11.2	2.39	15.7	2.57	20.2	2.75	24.7	2.93	29.5	3.12
	G-NA036S17L	35.0	3.20	22.0	2.26	7.6	13.3	2.62	17.7	2.74	22.0	2.85	23.3	2.71	24.5	2.57
	G-NA048S21D	35.0	3.20	22.0	2.26	7.6	13.3	2.62	17.7	2.74	22.0	2.85	23.3	2.71	24.5	2.57
BRHS0421CD	G-NF036SOF	34.0	3.10	21.0	2.06	7.2	12.3	2.84	16.7	2.91	21.0	2.99	23.4	2.91	25.7	2.83
	G-UA048S21,24	34.0	3.00	20.2	2.14	7.2	11.3	2.40	15.7	2.58	20.2	2.77	24.7	2.95	29.5	3.15
	MDD48DSD	35.0	3.20	22.0	2.26	7.6	13.3	2.62	17.7	2.74	22.0	2.85	23.3	2.71	24.5	2.57
	G+FD048S21,24	39.5	3.34	23.4	2.10	7.4	12.4	3.04	17.9	3.15	23.4	3.27	28.9	3.38	34.9	3.46
	G-HD048	39.0	3.24	23.4	2.10	7.4	11.8	2.96	17.6	3.11	23.4	3.27	29.2	3.42	33.1	3.43
	G-NA048S21D	40.5	3.26	23.4	2.10	7.4	12.0	3.02	17.7	3.14	23.4	3.27	27.0	3.30	30.5	3.33
	G-NA048S24P	40.5	3.26	23.4	2.10	7.4	12.0	3.02	17.7	3.14	23.4	3.27	27.0	3.30	30.5	3.33
	G-NF048SOF	40.5	3.26	23.4	2.10	7.4	12.0	3.02	17.7	3.14	23.4	3.27	27.0	3.30	30.5	3.33
BRHS0481CD E*BA-(T,W)048S	G-UA048S21,24	39.0	3.24	23.4	2.10	7.4	11.8	2.97	17.6	3.12	23.4	3.27	29.2	3.41	35.6	3.53
	MDD48DSD	40.5	3.26	23.4	2.10	7.4	12.0	3.02	17.7	3.14	23.4	3.27	27.0	3.30	30.5	3.33
	G+FD048S21,24	47.0	3.02	31.2	2.32	7.5	21.0	3.56	26.1	3.75	31.2	3.94	36.3	4.13	40.1	4.32
	G+FD060S24	47.0	3.00	31.2	2.30	7.5	21.0	3.60	26.1	3.79	31.2	3.98	36.3	4.17	42.0	4.39
	G-HD048	47.0	3.00	31.2	2.30	7.5	20.9	3.60	26.1	3.79	31.2	3.98	36.3	4.17	42.0	4.41
	G-NA048S21D	47.0	2.96	31.2	2.30	7.5	20.7	3.52	25.9	3.75	31.2	3.98	35.2	4.13	39.2	4.29
	G-NA048S24P	47.0	2.96	31.2	2.30	7.5	20.7	3.52	25.9	3.75	31.2	3.98	35.2	4.13	39.2	4.29
	G-NF048SOF	47.0	2.96	31.2	2.30	7.5	20.7	3.52	25.9	3.75	31.2	3.98	35.2	4.13	39.2	4.29
BRHS0601CD	G-UA048S21,24	47.0	3.00	31.2	2.30	7.5	20.9	3.60	26.1	3.79	31.2	3.98	36.3	4.16	42.0	4.39
	G+FD060S24	56.5	3.10	37.0	2.30	7.5	24.1	4.30	30.6	4.51	37.0	4.71	43.4	4.92	48.2	5.09
	G-HD060	57.0	3.10	37.0	2.30	7.5	24.0	4.30	30.5	4.51	37.0	4.71	43.5	4.92	48.3	5.10
	G-NA060S24T	58.0	3.16	37.0	2.38	7.5	23.0	4.01	30.0	4.28	37.0	4.56	40.9	4.69	44.8	4.82
	G-NF060SOF	58.0	3.16	37.0	2.30	7.5	23.0	4.27	30.0	4.49	37.0	4.71	40.9	4.76	44.8	4.80
	G-UA060S21,24	56.5	3.10	37.0	2.30	7.5	24.1	4.30	30.6	4.51	37.0	4.71	43.4	4.92	48.2	5.09
E*BA-(T,W)060S	G-UA060S24	58.0	3.20	38.5	2.40	7.7	25.5	4.29	32.0	4.50	3.85	4.70	42.1	4.91	45.7	5.11
	G+FD060S24	58.0	3.20	38.5	2.40	7.7	25.5	4.29	32.0	4.50	3.85	4.70	42.1	4.91	45.7	5.11

NOTES: See page 4.

ACCESSORIES

Refer to Price Manual for specific model numbers.

Compressor Blanket - Designed to further reduce the normal operating sound and is required to meet Canadian sound levels for units of three tons and below.

Low Temperature Lockout - 2LT06700224 - Prevents heat pump operation below minus 10°F ambient Temperature.

Outdoor Thermostat - 3024-6881/D & 3024-7881/D - Consists of an adjust-able outdoor thermostat and relay in a vented enclosure. It provides additional sec-

ond stage control of the supplemental resistance heat. (Balance Point Control)

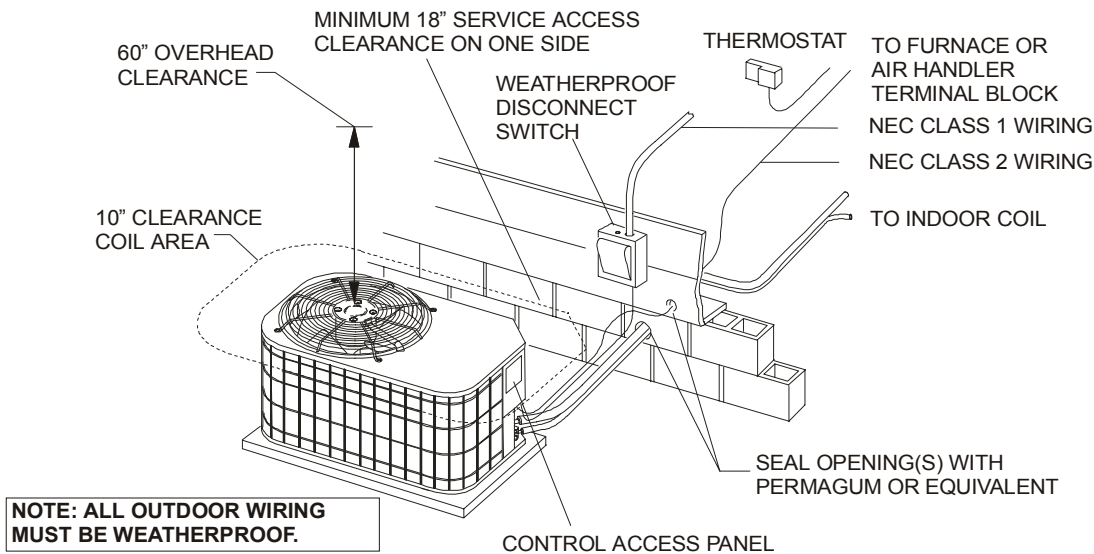
Room Thermostats - One of the following thermostat may be used with these systems.

6TH11704024 - Two stage heat / one stage cool / non-electronic manual changeover thermostat.

6TH11704124 - Two stage heat / one stage cool / automatic changeover, outdoor compensated, non-electronic thermostat.

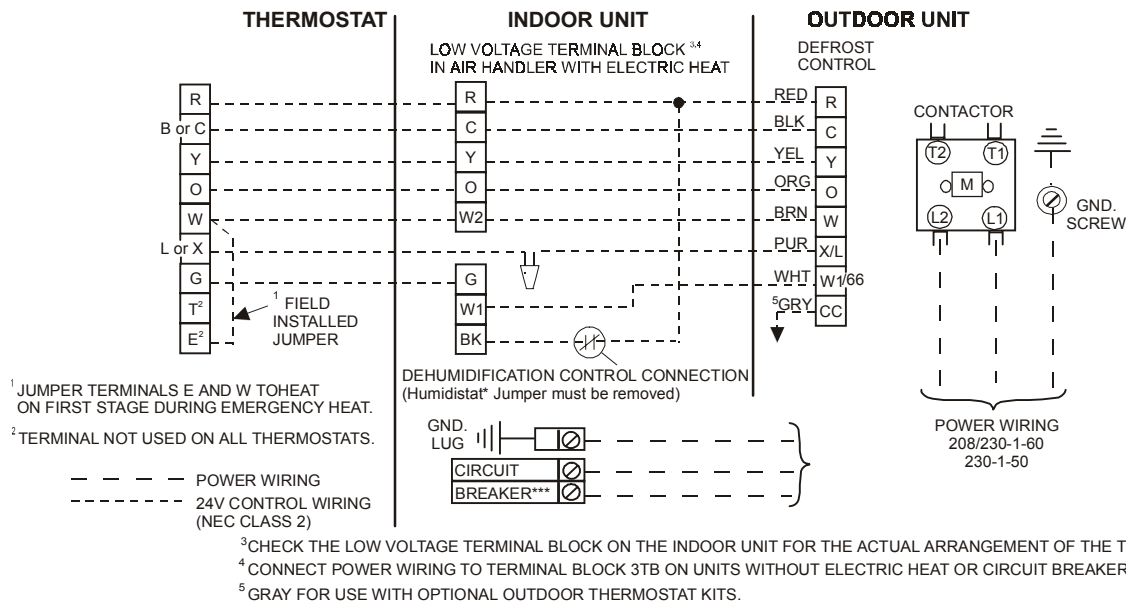
3600-367P - Two stage heat / one stage cool / non-electronic manual changeover, auxillary heat indicator.

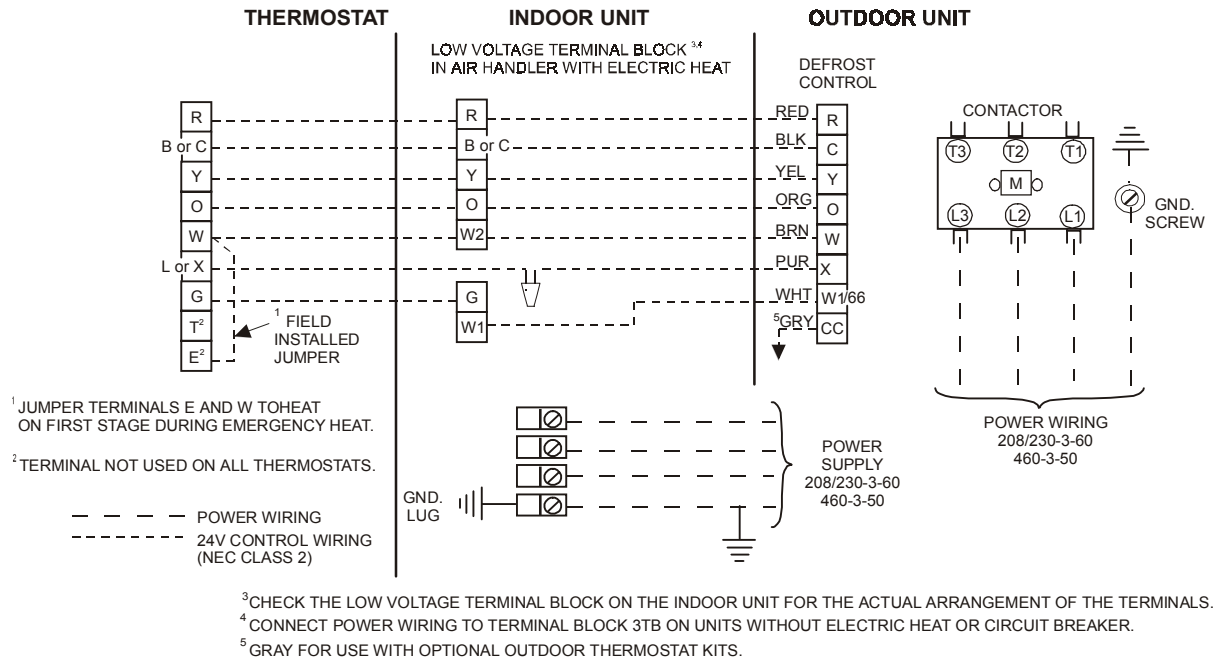
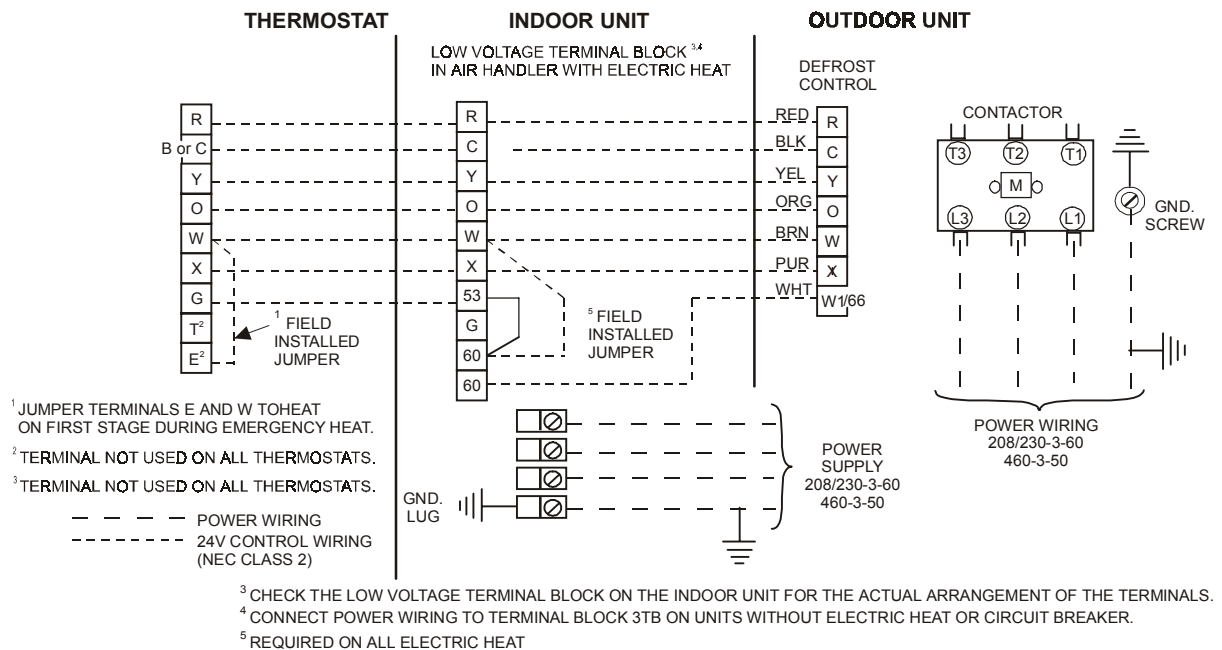
TYPICAL INSTALLATION - BRHS024 THRU 060 (1 PHASE) & E*BA 036-090 (3 PHASE)



TYPICAL FIELD WIRING - 1 PH APPLICATION

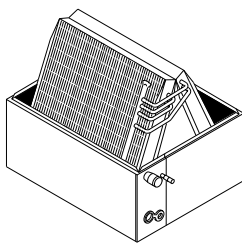
ALL FIELD WIRING TO BE IN ACCORDANCE WITH ELECTRIC CODE (NEC) AND/OR LOCAL CODES



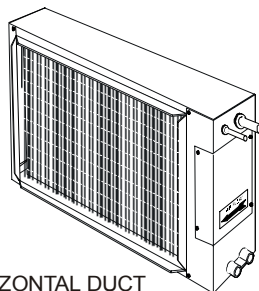
TYPICAL FIELD WIRING - 3 PH APPLICATION (036 - 060)**ALL FIELD WIRING TO BE IN ACCORDANCE WITH ELECTRIC CODE (NEC) AND/OR LOCAL CODES****TYPICAL FIELD WIRING - 3 PH APPLICATION (090)****ALL FIELD WIRING TO BE IN ACCORDANCE WITH ELECTRIC CODE (NEC) AND/OR LOCAL CODES**

MATCHING INDOOR COMPONENTS

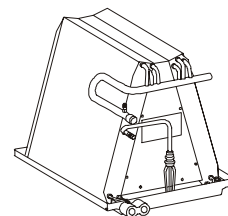
ADD-ON COILS - FOR FURNACE APPLICATIONS



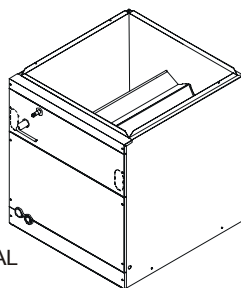
G-UA
UPFLOW



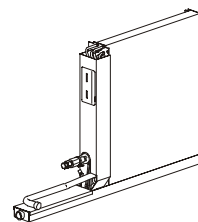
G-HD
HORIZONTAL DUCT



G-NA
UPFLOW



G+FD*
MULTI-POSITION
(UPFLOW, HORIZONTAL
AND DOWNFLOW)

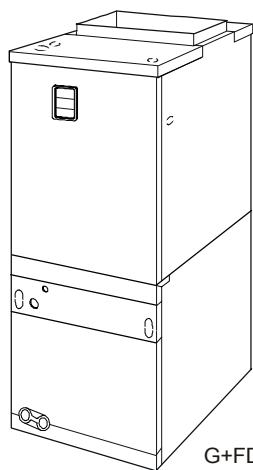


G-NF
OUTDOOR
FURNACE COIL

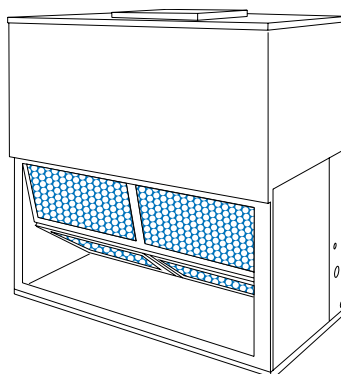
* Available with factory installed horizontal drain pan.

AIR HANDLERS - FOR NON-FURNACE APPLICATIONS

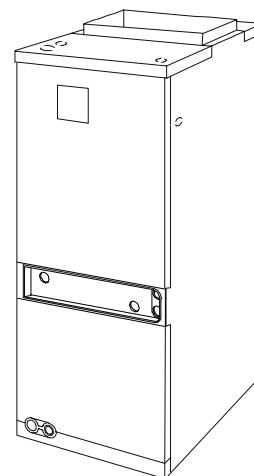
N-AH OR N-VS
MODULAR BLOWER
(UPFLOW, HORIZONTAL
AND DOWNFLOW)



G+FD
COIL



F*EH
LIGHT COMMERCIAL
APPLICATIONS



F+RC / F+FC OR
F+RC / F+FP
FAN COIL UNITS
(UPFLOW, HORIZONTAL)

* Available with factory installed horizontal drain pan.

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036-21002-001 REV. B (0600)
Supersedes: 036-21002-001 REV. A (0200)

Unitary
Product
Group

5005
York
Drive

Norman
OK
73069