YORK®
Heating and Air Conditioning

TECHNICAL GUIDE

STELLAR PLUS™

12 SEER

SPLIT-SYSTEM HEAT PUMPS

MODELS:
E*FH018 Thru E*FH060
(1.5 THRU 5 NOMINAL TONS)

This product was manufactured in a plant whose quality system is certified/registered as being in conformity with ISO 9001.

Certification applies only when the complete system is listed with ARI.

c UL US LISTED

Due to continuous product improvement, specifications are subject to change without notice.

Visit us on the web at www.york.com for the most up-to-date technical information.

Additional rating information can be found at www.ariprimenet.org.

DESCRIPTION

These high efficiency EFH Series heat pump units are the outdoor part of a versatile system designed to economically heat and cool a home or small business. The compact design of these outdoor units make them ideal for ground or roof installation. The units contain enough refrigerant charge for the outdoor unit, a matched indoor coil and 15 feet of interconnecting piping.

EFH heat pumps can be custom-matched with one of YORK's two lines of evaporator blower sections, each designed to serve a specific function. Electric heaters are available for both, in a variety of sizes.

For Add-On applications, the indoor coil may be applied in the supply duct of a conventional gas, oil or electric furnace. The heat pump will be the primary source of heat for the building with the furnace operating only when the heating requirement exceeds the capacity of the heat pump.

WARRANTY

5-year limited parts warranty.
10-year limited compressor warranty.

FEATURES

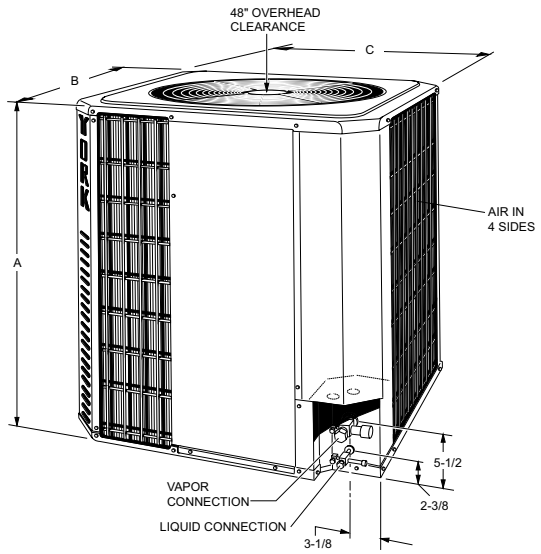
- **QUALITY COILS -** The coil is constructed of copper tube and aluminum fins.
- **COIL PROTECTION -** Coils are protected from damage by a polymer mesh applied between the coil face, and a PVC coated steel coil guard, or a polymer coil guard.
- **DURABLE FINISH -** Cabinet is made of pre-painted steel. The pretreated 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 the fully exposed refrigerant connections and the single panel covering of the electrical controls. The small base dimension means smaller mounting pads or less materials required for mounting, lowering installation costs.
- **COMPRESSOR -** 2 - 5 ton models are equipped with scroll compressors which are 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. The compressor is protected by a 10 year limited warranty.
- **COMPLETE SYSTEM CONTROL -** These heat pump units utilize the unique YorkGuard V microprocessor control system to provide optimal comfort control and assure reliable operation. The YorkGuard V control system continuously monitors the space environment to maintain optimum efficiency. It initiates defrost only when necessary to further reduce heating costs and improve reliability. Supplemental heat can only operate below the balance point and then only upon need. In the event of improper operating conditions (high temperature and high pressure), the YorkGuard V will shut the system down to extend the life of the heat pump. Rapid cycling is prevented by use of an integral anti-recycle timer. Loss of charge protection is provided by a discharge temperature sensor and internal compressor overloads.
- Finally the YorkGuard V control provides system diagnostics to aid the service technician, minimizing repair time and cost. The YorkGuard V control even stores important information for use during servicing and has a 5 year warranty.
- **LOW OPERATING SOUND LEVEL -** The discharge air from the top mounted fan is blown up away from the structure and any landscaping carrying 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.
- **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.

PHYSICAL AND ELECTRICAL DATA

MODEL		E4FH018	E4FH024	E4FH030	E4FH036	E4FH045	E5FH048	E4FH060
Unit Supply Voltage		208/230-1-60						
Normal Voltage Range [1]		187 to 252						
Minimum Circuit Ampacity		9.7	16.2	16.4	22.1	25.4	33.3	37.8
Max. Overcurrent Device Amps [2]		15	25	25	35	35	50	50
Compressor Type [3]		Recip	Scroll[C]	Scroll[C]	Scroll[C]	Scroll[C]	Scroll[C]	Scroll[C]
Compressor Amps	Rated Load	6.7	10.3	12.2	16.4	19	21.4	28.8
Crankcase Heater		Yes	No	No	No	No	No	No
Fan Motor Amps	Rated Load	0.8	0.8	0.9	1.6	1.6	1.6	1.8
Fan Diameter Inches		18	18	18	24	24	24	24
Fan Motor	Rated HP	1/12	1/12	1/8	1/4	1/4	1/4	1/3
	Nominal RPM	1050	1050	1075	850	850	850	1075
	Nominal CFM	1500	1500	2050	3300	3400	3400	4100
Coil	Face Area Sq. Ft.	14.1	14.1	14.1	20.0	24	24	24
	Rows Deep	1	1	1	1	1	1	2
	Fin / Inches	16	16	20	16	16	16	13
Liquid Line OD		3/8	3/8	3/8	3/8	3/8	3/8	3/8
Vapor Line OD		5/8	5/8	3/4	7/8	7/8	7/8	1 - 1/8
Unit Charge (Lbs. - Oz.) [4]		5 - 9	5 - 1	5 - 9	6 - 14	8 - 3	9 - 11	14 - 0
Charge Per Foot, Oz.		0.68	0.68	0.68	0 .68	0 .70	0.70	0.70
Operating Weight Lbs.		156	148	150	212	237	272	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.
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 EFH	DIMENSIONS			REFRIGERANT CONNECTION LINE SIZE	
	A	B	C	LIQUID	VAPOR
018	30-1/8	24	24	3/8	5/8
024	30-1/8	24	24		
030	30-1/8	24	24		3/4
036	30-7/8	35	35		7/8
042	37-7/8	35	35		
048	37-7/8	35	35		
060	37-7/8	35	35		1-1/8[1]

1. Valve on 060 is 7/8 with a reducer supplied for the 1-1/8 vapor line.

ADDITIONAL R-22 CHARGE / ORIFICE SIZE FOR VARIOUS MATCHED SYSTEMS

OUTDOOR UNIT		E4FH018	E4FH024	E4FH030	E4FH036	E4FH042	E5FH048	E4FH060
Orifice in OD Distributor		37	45	49	55	65	69	76
FACTORY CHARGE, LBS. - OZ.		5 - 9	5 - 1	5 - 12	6 - 14	8 - 3	9-11	14 - 0
ID Orifice included w/Instruction Package		57	59	--	--	--	--	--
INDOOR COIL	COIL ORIFICE[1]	REQUIRED SYSTEM ORIFICE + ADDITIONAL CHARGE, OZ.						
G1FA/G1UA024S14, 17	59	57 + 4	--	--	--	--	--	--
G1FA/G1UA030S14	65	57 + 6	701 + 0	701[1] + 0	--	--	--	--
G1FA/G1UA036S14	73	--	701 + 2	701[1] + 0	--	--	--	--
G1FA/G1UA036S17	73	--	--	701[1] + 0	--	--	--	--
G1FA/G1UA048S17	84	--	--	--	--	--	--	--
G1FA/G1UA048S21	84	--	--	--	702[1] + 0	702[1] + 0	703[1] + 0	--
G1FA/G1UA060S21, 24	90	--	--	--	702[1] + 2	702[1] + 5	703[1] + 5	703[1] + 0
G2FD024S(H)14, 17	61	57 + 6	59 + 0	--	--	--	--	--
G2FD030S(H)17	65	701[1] + 8	59 + 2	701[1] + 0	--	--	--	--
GFD035S(H)14	65	--	59 + 2	701[1] + 0	--	--	--	--
G2FD036S(H)17	75	--	--	701[1] + 4	702[1] + 0	--	--	--
G2FD042S(H)21	78	--	--	--	702[1] + 2	702[1] + 0	--	--
G2FD046S(H)17	78	--	--	--	702[1]+ 2	702[1] + 0	--	--
G2FD048S(H)21, 24	84	--	--	--	--	702[1] + 8	703[1] + 4	--
G2FD060S(H)24	90	--	--	--	--	--	703[1] + 5	703[1] + 0
G2FD061SH24	90	--	--	--	--	--	--	703[1] + 8
G1HD024	59	--	59 + 1	--	--	--	--	--
G1HD036	69	--	--	701[1] + 4	--	--	--	--
G1HD048	81	--	--	--	--	--	--	--
G1HD060	93	--	--	--	--	--	--	--
F2RP/FP018	(53)	(55) +0	--	--	--	--	--	--
F2RP/FP024	61	57 + 6	59 + 0	--	--	--	--	--
F2RP/FP030	65	--	59 + 2	701[1] + 0	--	--	--	--
F2RP/FP036	75	--	--	701[1] + 4	702[1] + 0	--	--	--
F2RP/FP042	78	--	--	--	702[1] + 2	702[1] + 0	--	--
F2FP048	84	--	--	--	--	702[1] + 8	703[1] + 3	--
F2FP060	90	--	--	--	--	--	703[1] + 5	703[1] + 0
F2FV060	90	--	--	--	--	--	703[1] + 5	703[1] + 0

FOOTNOTES:

1. Verify the TXV kit and the additional charge required for the specific evaporator coil in the system using the table above.

PROCEDURES:

1. Unit factory charge listed on the unit nameplate includes refigerant for the condenser, the smallest evaporator and for 15 feet of interconnecting line tubing.
2. Verify the orifice size and the additional charge required for the specific evaporator coil in the system using the table above:
3. Add 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.

COOLING CAPACITY - With Air Handler Coils

UNIT MODEL	AIR HANDLER			COIL MODEL[1]	COOLING					
	MODEL	ELECTRIC HEAT KW[2]	W		RATED CFM	NET MBH		SEER W/O TXV	SEER + TXV[3]	EER
						TOTAL	SENS.			
1 Phase 12 SEER HP / N1AH / G2FD										
E4FH018	N1AHB08	2,5,7.5,10	17	G2FD024(S,H)17	650	19.0	14.3	12.05	---	10.65
	N1AHB08	2,5,7.5,10	17	G2FD030(S,H)17	650	19.4	14.6	12.15	---	10.70
E4FH024	N1AHB08	2,5,7.5,10	17	G2FD024(S,H)17	800	23.4	17.6	12.10	---	10.85
	N1AHB08	2,5,7.5,10	17	G2FD030(S,H)17	850	23.4	17.6	12.10	---	10.85
	N1AHB08	2,5,7.5,10	14	G2FD035(S,H)14	850	23.4	17.6	12.10	---	10.85
E4FH030	N1AHB12	5,7.5,10,15,18	17	G2FD036(S,H)17	1000	29.0	21.8	---	12.40	10.65
E4FH036	N1AHB12	5,7.5,10,15,18	17	G2FD036(S,H)17	1200	34.6	25.6	--	12.00	10.50
E4FH042	N1AHC16	5,7.5,10,15,20	21	G2FD042(S,H)21	1400	40.0	29.6	--	12.00	10.50
	N1AHC16	5,7.5,10,15,20	21	G2FD048(S,H)21	1425	41.0	30.3	--	12.40	10.80
E5FH048	N1AHC16	5.7.5,10,15,20	21	G2FD048(S,H)21	1600	47.5	35.6	--	12.00	10.50
	N1AHD20	5.7.5,10,15,20,25,30	24	G2FD060(S,H)24	1620	48.0	36.0	--	12.40	10.85
E4FH060	N1AHD20	7.5,10,15,20,25,30	24	G2FD060(S,H)24	1850	58.0	42.0	--	12.00	10.70
	N1AHD20	7.5,10,15,20,25,30	24	G2FD061H24	1875	58.5	41.5	--	12.20	10.70
1 Phase 12 SEER HP / N1VS / G2FD										
E4FH018	N1VSB12	5,7.5,10,15,18	17	G2FD024(S,H)17	650	19.4	14.3	13.35	---	11.70
E4FH024	N1VSB12	5,7.5,10,15,18	17	G2FD024(S,H)17	800	24.0	18.0	14.00	---	12.00
E4FH030	N1VSB12	5,7.5,10,15,18	17	G2FD030(S,H)17	1000	29.0	21.8	---	13.00	11.20
	N1VSB12	5,7.5,10,15,18	17	G2FD036(S,H)17	1000	29.2	21.9	---	13.50	11.40
E4FH036	N1VSB12	5,7.5,10,15,18	17	G2FD036(S,H)17	1200	35.0	25.9	--	12.80	11.20
E4FH042	N1VSC16	5,7.5,10,15,20	21	G2FD042(S,H)21	1400	40.5	30.0	--	12.80	11.20
	N1VSC16	5,7.5,10,15,20	21	G2FD048(S,H)21	1425	41.5	30.7	--	13.50	11.40
E5FH048	N1VSC16	5.7.5,10,15,20	21	G2FD048(S,H)21	1600	48.0	36.0	---	13.40	10.50
	N1VSD20	5.7.5,10,15,20,25,30	24	G2FD060(S,H)24	1650	49.0	36.8	---	13.80	10.80
E4FH060	N1VSD20	7.5,10,15,20,25,30	24	G2FD060(S,H)24	1850	60.5	42.9	--	13.00	11.60
	N1VSD20	7.5,10,15,20,25,30	24	G2FD061H24	1875	59.0	41.5	--	12.60	11.90
1 Phase 12 SEER HP / F2RP / FP / FV [4,5]										
E4FH018	F2RP/F2FP018	5,8,10	18	--	650	18.0	13.5	12.00	---	10.75
	F2RP/F2FP024	5,8,10	18	--	650	19.0	14.3	12.50	---	10.50
E4FH024	F2RP/F2FP024	5,8,10	18	--	800	23.4	17.6	12.00	---	10.35
	F2RP/F2FP030	5,8,10,15	18	--	800	23.8	17.9	---	12.50	10.55
E4FH030	F2RP/F2FP030	5,8,10,15	18	---	1035	28.2	21.2	---	12.00	10.30
	F2RP/F2FP036	5,8,10,15	21	---	1035	29.0	21.8	---	12.00	10.30
E4FH036	F2RP036	5,8,10,15	18	--	1250	34.6	25.6	--	12.10	10.60
	F2RP042	5,8,10,15	21	--	1250	34.6	25.6	--	12.10	10.50
E4FH042	F2RP042	5,8,10,15	21	--	1400	40.0	29.6	--	12.00	10.40
	F2FP048	10,15,20,25	24	--	1600	41.0	30.3	--	12.40	10.80
E5FH048	F2FP048	10,15,20,25	24	--	1600	47.0	35.3	---	12.00	10.45
	F2V060	10,15,20,25	24	--	1600	48.5	36.4	---	13.00	11.60
	F2FP060	10,15,20,25	24	--	1600	47.5	35.6	---	12.00	10.35
E4FH060	F2FP060	10,15,20,25	24	--	1850	57.0	42.2	--	11.60	10.40
	F2FV060H24	10,15,20,25	24	--	1875	59.0	43.0	--	13.00	11.60

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.
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. G2FD coils available with a factory installed horizontal drain pan. See price pages for specific model number.
2. Single phase units require single phase 2HK heaters.
3. TXV = Use 1TV700 Series Kit.
4. To meet R=4.2 insulation requirements, substitute F2FP for F2RP, and F2FC for F2RC. models. All ratings remain the same.
5. FG8, FG9, and FL8 furnaces and F2RP / F2RC air handlers have B.O.D (Blower on Delay) standard.

- = Not applicable

COOLING CAPACITY - With Upflow, Downflow and Horizontal Furnace and Coils

UNIT MODEL	FURNACE**		COIL MODEL	COOLING					
	NOMINAL AIRFLOW	W		RATED CFM	NET MBH		SEER W/O TXV	SEER + TXV[1]	EER
					TOTAL	SENS.			
E4FH018S06	575 725	14,17	G1FA024S14,17	650	18.8	14.1	12.00	-	10.55
		14	G1FA030S14	650	19.0	14.3	12.50	-	10.65
		14,17	G1UA024S14,17	650	18.8	14.1	12.00	-	10.55
		14	G1UA030S14	650	19.0	14.3	12.50	-	10.65
		14,17	G2FD024S14,17	650	19.0	14.3	12.50	-	10.65
		17	G2FD030(S,H)17	650	19.2	14.4	12.50	-	10.70
		14	G2FD035(S,H)14	650	19.2	14.4	12.50	-	10.70
E4FH024S06	725 925	14	G1FA030S14	800	22.2	16.7	-	12.00	10.85
			G1UA030S14	800	22.2	16.7	-	12.00	10.85
		17,21	G1FA036S17,21	800	22.4	16.8	-	12.10	11.00
			G1UA036S17,21	800	22.4	16.8	-	12.10	11.00
		-	G1HD024	820	23.6	17.7	12.10	-	10.85
		17	G2FD024(S,H)14,17	820	23.6	17.7	12.10	-	10.85
		17	G2FD030(S,H)17	820	23.6	17.7	12.10	-	11.00
		14	G2FD035(S,H)14	820	23.6	17.7	12.10	-	11.00
E4FH030S06	925 1175	14	G1FA036S14	1050	28.2	21.2	-	12.00	10.35
		17,21	G1FA036S17,21	1050	28.2	21.2	-	12.00	10.35
		-	G1HD036	1035	28.8	21.6	-	12.00	10.30
		14	G1UA036S14	1050	28.2	21.2	-	12.00	10.35
		17,21	G1UA036S17,21	1050	28.2	21.2	-	12.00	10.35
		17	G2FD030(S,H)17	1050	28.2	21.2	-	12.00	10.35
		17	G2FD030(S,H)17	1050	28.2	21.2	-	12.00	10.35
		14	G2FD035(S,H)14	1050	28.6	21.5	-	12.00	10.35
		17	G2FD036(S,H)17	1050	28.8	21.6	-	12.00	10.65
		21	G2FD036(S,H)21	1050	28.8	21.6	-	12.00	10.65
E4FH036S06	1075 1375	17	G1FA048S17	1225	35.0	25.9	-	12.10	10.60
		21	G1FA048S21	1225	35.4	26.2	-	12.50	10.70
		17	G1UA048S17	1225	35.0	25.9	-	12.10	10.60
		21	G1UA048S21	1225	35.4	26.2	-	12.50	10.70
		17	G2FD036(S,H)17	1200	34.6	26.2	-	12.00	10.50
		21	G2FD036(S,H)21	1200	34.6	26.2	-	12.00	10.50
		21	G2FD042(S,H)21	1225	34.8	25.8	-	12.20	10.55
		17	G2FD046(S,H)17	1225	35.0	25.9	-	12.10	10.60
E4FH042S06	1275 1625	17	G1FA048S17	1450	40.5	30.0	-	12.25	10.65
		21	G1FA048S21	1450	40.5	30.0	-	12.40	10.70
		17	G1UA048S17	1450	40.5	30.0	-	12.25	10.65
		21	G1UA048S21	1450	40.5	30.0	-	12.40	10.70
		21	G2FD042(S,H)21	1450	40.0	29.6	-	12.00	10.50
		17	G2FD046(S,H)17	1450	40.5	30.0	-	12.25	10.65
		21,24	G2FD048(S,H)21,24	1450	41.0	30.3	-	12.40	10.80
E5FH048S06	1400 1800	21	G1FA048S21	1600	46.5	34.9	-	12.00	10.45
		21,24	G1FA060S21,24	1650	47.5	35.6	-	12.20	10.60
		21	G1UA048S21	1600	46.5	34.9	-	12.00	10.45
		21,24	G1UA060S21,24	1650	47.5	35.6	-	12.20	10.60
		21,24	G2FD048(S,H)21,24	1600	47.5	35.6	-	12.00	10.50
		24	G2FD060(S,H)24	1625	48.0	36.0	-	12.50	10.80
E4FH060S06	1600 2100	21,24	G1FA060S21,24	1850	57.0	41.0	-	11.70	10.40
		21,24	G1UA060S21,24	1850	57.0	41.0	-	11.70	10.40
		24	G2FD060(S,H)24	1800	58.0	42.0	-	12.00	10.70
		24	G2FD061H24	1800	58.5	41.5	-	12.20	10.70

1. TXV = Use 1TV700 Series Kit.

* Requires a 2FD Blower Time Delay unless a standard furnace is equipped with one.

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

HEATING PERFORMANCE - Air Handler and Multi-position 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		47°F		57°F	
		MBH	COP	MBH	COP	STD.	V. S.	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
E4FH018	F2RP/F2FP018	17	3.00	10	2.00	6.8	--	4	1.3	7.8	1.27	10	1.35	12.3	1.60	15.2	1.6	17	1.61	17.6	1.66
	F2RP/F2FP024	19.5	3.20	11.3	2.10	7.5	--	4.5	1.25	8	1.25	11.3	1.36	12.7	1.57	15.5	1.68	19.5	1.59	19.6	1.65
	G2FD024(S,H)14,17	19.0	3.32	11.6	2.00	7.6	8	6	1.51	8	1.25	11.6	1.36	12.9	1.40	16.5	1.52	19.8	1.59	19.6	1.65
	G2FD030(S,H)17	19.8	3.40	1.16	2.24	7.5	--	6.2	1.52	8.2	1.23	11.6	1.69	12.8	1.38	16.4	1.5	19.8	1.79	19.6	1.63
	G2FD035(S,H)14	19.8	3.40	1.16	2.24	7.5	--	6.2	1.5	8.2	1.25	11.6	1.69	12.9	1.39	16.6	1.51	19.8	1.79	19.8	1.64
E4FH024	F2RP/F2FP024	24	3.32	12.9	2.20	8	--	6.6	1.55	11	1.78	12.9	1.7	16	1.85	18.8	1.87	24	1.8	26.6	2.07
	F2RP/F2FP030	24	3.32	12.9	2.20	8	--	6.8	1.56	11.4	1.76	12.9	1.78	16.2	1.84	19	1.85	24	2.07	26.8	2.08
	G2FD024(S,H)14,17	23.8	3.40	13.5	2.30	8	8.1	6.6	1.58	11.6	1.75	13.5	1.78	16.3	1.82	19.1	1.85	23.8	2.07	26.6	2.1
	G2FD030(S,H)17	24	3.26	13.6	2.18	8	--	6.8	1.6	11.4	1.73	13.6	1.75	16.2	1.80	19.2	1.83	24	2.08	26.8	2.08
	G2FD035(S,H)14	24	3.26	13.6	2.18	8	--	6.9	1.57	11.6	1.74	13.6	1.77	16.4	1.80	19.4	1.8	24	2.06	26.8	2.1
E4FH030	F2RP/F2FP030	28	3.33	17	2.33	8	--	9.6	1.98	13.1	2.1	16.6	2.21	20.3	2.33	24.3	2.46	28	2.56	32.9	2.7
	F2RP/F2FP036	28	3.33	17	2.33	8	--	9.6	1.95	13.1	2.09	16.7	2.21	20.2	2.34	24.4	2.48	28	2.57	33	2.71
	G2FD030(S,H)17	28	3.33	17	2.33	8	8.2	9.8	2.06	13.1	2.14	16.5	2.2	19.9	2.29	23.9	2.4	28	2.5	32.7	2.55
	G2FD035(S,H)14	28	3.33	17	2.33	8	--	9.4	2.06	13.2	2.14	16.6	2.3	20	2.31	24	2.41	28	2.6	33	2.6
	G2FD036(S,H)17,21	28	3.33	17	2.33	8	8.2	9.9	2.02	13.3	2.15	16.6	2.19	21	2.41	23.8	2.4	28	2.6	33.4	2.65
E4FH036	F2RP/F2FP036	36.0	3.10	21.8	2.30	8.0	--	12.5	2.36	17.1	2.57	21.8	2.78	26.5	2.99	31.7	3.21	36.0	3.40	41.4	3.56
	F2RP/F2FP042	36.0	3.10	21.8	2.30	8.0	--	12.5	2.35	17.2	2.57	21.8	2.78	26.4	2.99	31.6	3.21	36.0	3.40	41.5	3.57
	G2FD042(S,H)21	36.0	3.38	21.8	2.26	8.0	--	12.5	2.63	17.1	2.73	21.8	2.83	26.5	2.93	31.7	3.04	36.0	3.12	41.7	3.18
	G2FD046(S,H)17	36.0	3.38	21.8	2.26	8.0	--	12.5	2.63	17.2	2.73	21.8	2.83	26.4	2.93	31.7	3.04	36.0	3.12	41.4	3.16
	G2FD036(S,H)17,21	36.0	3.40	21.8	2.28	8.0	8.1	12.5	2.60	17.1	2.70	21.8	2.80	26.5	2.90	31.7	3.02	36.0	3.10	41.7	3.16
E4FH042	F2RP/F2FP042	42.0	3.30	25.2	2.20	7.8	--	13.4	3.08	19.3	3.22	25.2	3.36	31.1	3.50	37.7	3.63	42.0	3.73	48.5	3.85
	F2FP048	42.0	3.58	25.2	2.32	8.0	--	12.5	2.98	18.8	3.08	25.2	3.18	31.6	3.29	38.6	3.40	42.0	3.44	50.4	3.56
	G2FD042(S,H)21	41.5	3.40	25.0	2.26	8.0	8.1	12.5	2.94	18.8	3.09	25.0	3.24	31.2	3.39	38.2	3.55	41.5	3.58	49.6	3.73
	G2FD046(S,H)17	41.5	3.40	25.0	2.24	8.0	--	13.4	3.05	19.2	3.16	25.0	3.27	30.8	3.38	37.3	3.51	41.5	3.58	47.8	3.66
	G2FD048(S,H)21,24	42.0	3.58	25.2	2.32	8.0	8.0	12.4	2.98	18.8	3.08	25.2	3.18	31.6	3.29	38.7	3.41	42.0	3.44	50.4	3.56
E5FH048	F2FP048	47.5	3.30	28.4	2.20	8.1	--	17	3.54	22.6	3.66	28.4	3.78	34.2	3.91	39	3.76	47.5	4.03	53.5	4.13
	F2FP060	47.5	3.30	28	2.20	8.1	--	18	3.5	22.8	3.58	28	3.75	34.6	3.95	40	3.8	47.5	4.15	54	4.3
	G2FD048(S,H)21,24	48	3.48	28	2.34	8.1	8.2	17	3.52	22.6	3.6	28	3.76	34.2	3.96	40	3.9	48	4.04	53.5	4.25
	G2FD060(S,H)24	48.5	3.30	28.4	2.20	8.1	8.2	18	3.55	22.8	3.65	28.4	3.78	34.6	3.96	40	3.8	48.5	4.03	54	4.26
E4FH060	F2FP060	60.0	3.40	40.0	2.40	8.0	--	18.7	4.08	26.1	4.44	40.0	4.80	40.7	5.16	49.0	5.55	60.0	5.94	68.6	6.25
	F2FV060	60.0	3.00	40.0	2.60	--	8.3	17.6	3.93	24.6	4.11	40.0	4.29	38.6	4.47	46.6	4.68	60.0	4.93	66.1	5.07
	G2FD060(S,H)24	60.0	3.50	40.0	2.50	8.2	8.3	18.9	3.94	26.0	4.21	40.0	4.48	40.0	4.75	48.1	5.05	60.0	5.39	67.8	5.61
	G2FD061H24	62.0	3.60	41.0	2.60	8.4	–	20.2	4.07	26.9	4.28	41.0	4.49	40.5	4.70	48.3	4.95	62.0	5.22	67.5	5.39

For Notes See Page 7.

HEATING PERFORMANCE - 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		47°F		57°F	
		MBH	COP	MBH	COP	STD.	V. S.	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW	MBH	KW
E*FH WITH (VARIABLE SPEED & STANDARD) FURNACE COILS																					
E4FH018	G1HD024	18	3.08	9.9	2.00	7.1	--	6.2	1.1	9	1.15	9.9	1.25	13.6	1.4	16	1.5	18	1.6	20	1.75
	G1FA024S17	19.0	3.24	11.4	2.16	7.6	--	6.6	1.09	9.2	1.1	11.4	1.25	13.8	1.45	16.6	1.54	19.6	1.64	22	1.74
	G1UA024S17	19.0	3.24	11.4	2.16	7.6	--	6.6	1.09	9.2	1.1	11.4	1.25	13.8	1.45	16.6	1.54	19.6	1.64	22	1.74
	G1FA030S14	19.0	3.32	11.6	2.20	7.6	--	6.6	1.08	9.2	1.15	11.6	1.27	14.2	1.43	16.8	1.5	19.8	1.62	22.4	1.76
	G1UA030S14	19.0	3.32	11.6	2.20	7.6	--	6.6	1.08	9.2	1.15	11.6	1.27	14.2	1.43	16.8	1.5	19.8	1.62	22.4	1.76
E4FH024	G1HD024	24	3.16	12.2	2.00	8	--	7.2	1.57	10	1.67	12.2	1.76	16.4	1.9	19.6	1.95	24	2.05	27.4	2.17
	G1FA030S17	23.6	3.16	13.4	2.14	8	--	7.6	1.5	10.4	1.65	13.4	1.76	16.6	1.85	19.8	1.97	23.6	2.03	27.6	2.16
	G1UA030S17	23.6	3.16	13.4	2.14	8	--	7.6	1.5	10.4	1.65	13.4	1.76	16.6	1.85	19.8	1.97	23.6	2.03	27.6	2.16
	G1FA036S17,21	24	3.26	13.6	2.18	8	--	7.6	1.52	10.4	1.6	13.6	1.76	16.8	1.9	20	1.9	24	2.03	28.2	2.18
	G1UA036S17,21	24	3.26	13.6	2.18	8	--	7.6	1.52	10.4	1.6	13.6	1.76	16.8	1.9	20	1.9	24	2.03	28.2	2.18
E4FH030	G1HD036	28	3.33	17	2.3	8	--	9.8	2.08	13.1	2.14	16.6	2.1	19.8	2.2	23.8	2.38	28	2.5	39.8	2.55
	G1FA036S14	28	3.33	17.2	2.3	8	--	10	2.07	13.2	2.15	16.8	2.3	19.9	2.3	23.9	2.39	28	2.5	34	2.57
	G1UA036S14	28	3.33	17.2	2.3	8	--	10	2.07	13.2	2.15	16.8	2.3	19.9	2.3	23.9	2.39	28	2.5	34	2.57
	G1FA036S17,21	28	3.33	17.2	2.3	8	--	10.1	2.08	13.3	2.17	17	2.4	20.1	2.4	24.1	2.4	28	2.55	34.2	2.6
	G1UA036S17,21	28	3.33	17.2	2.3	8	--	10.1	2.08	13.3	2.17	17	2.4	20.1	2.4	24.1	2.4	28	2.55	34.2	2.6
E4FH036	G1FA048S21	35.6	3.46	21.8	2.30	8.0	--	12.8	2.61	17.3	2.69	21.8	2.78	26.3	2.86	31.3	2.95	35.6	3.02	41.2	3.07
	G1UA048S21	35.6	3.46	21.8	2.30	8.0	--	12.8	2.61	17.3	2.69	21.8	2.78	26.3	2.86	31.3	2.95	35.6	3.02	41.2	3.07
	G1FA048S17	36.0	3.38	21.8	2.26	8.0	--	12.5	2.63	17.2	2.73	21.8	2.83	26.4	2.93	31.7	3.04	36.0	3.12	41.4	3.16
	G1UA048S17	36.0	3.38	21.8	2.26	8.0	--	12.5	2.63	17.2	2.73	21.8	2.83	26.4	2.93	31.7	3.04	36.0	3.12	41.4	3.16
E4FH042	G1FA048S21	42.0	3.50	25.2	2.30	8.0	--	12.5	2.98	18.9	3.09	25.2	3.21	31.5	3.33	38.5	3.47	42.0	3.52	50.3	3.66
	G1UA048S21	42.0	3.50	25.2	2.30	8.0	--	12.5	2.98	18.9	3.09	25.2	3.21	31.5	3.33	38.5	3.47	42.0	3.52	50.3	3.66
	G1FA048S17	41.5	3.40	25.0	2.24	8.0	--	13.4	3.05	19.2	3.16	25.0	3.27	30.8	3.38	37.3	3.51	41.5	3.58	47.8	3.66
	G1UA048S17	41.5	3.40	25.0	2.24	8.0	--	13.4	3.05	19.2	3.16	25.0	3.27	30.8	3.38	37.3	3.51	41.5	3.58	47.8	3.66
E5FH048	G1FA048S21	48	3.40	28	2.30	8	--	16.1	3.23	22.1	3.41	28	3.57	34	3.72	40.6	3.91	48	4.06	54.8	4.16
	G1UA048S21	48	3.40	28	2.30	8	--	16.1	3.23	22.1	3.41	28	3.57	34	3.72	40.6	3.91	48	4.06	54.8	4.16
	G1FA060S21,24	48	3.40	28	2.30	8	--	16.2	3.24	22.2	3.42	28	3.55	34	3.7	40.6	3.92	48	4	54.9	4.18
	G1UA060S21,24	48	3.40	28	2.30	8	--	16.2	3.24	22.2	3.42	28	3.55	34	3.7	40.6	3.92	48	4	54.9	4.18
E4FH060	G1FA060S21,24	60.0	3.40	40.0	2.40	8.0	--	18.9	3.95	26.0	4.21	33.0	4.48	40.1	4.74	48.1	5.04	57.0	5.39	67.8	5.60
	G1UA060S21,24	60.0	3.40	40.0	2.40	8.0	--	18.9	3.95	26.0	4.21	33.0	4.48	40.1	4.74	48.1	5.04	57.0	5.39	67.8	5.60

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.

ACCESSORIES

Refer to Price Manual for specific model numbers.

Start Assist Kit (2SA067*)

Blower Time Delay - Available to increase efficiency when installed. Installs on indoor section and maintains blower for approximately one minute after cooling thermostat has been satisfied.

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

Low Temperature Cutout (2LT06700224) - Prevents heat pump operation below -10°F ambient temperature.

Compressor Blanket - Designed to further reduce the normal operating sound.

Add-on Control (2AC02700701) - Provides interface for use of gas and oil furnaces with the heat pump system.

Thermal Expansion Valve Kit - 1TV0700 Series TXV kit used to improve system performance.

Outdoor Thermostat (2TD06700124) - Provides additional staging of supplemental electric heat.

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

2H/1C, manual change-over electronic non-programmable thermostat.

3H/2C, non-programmable digital thermostat.

3H/2C, auto/manual changeover, electronic programmable, 7-day, thermostat.

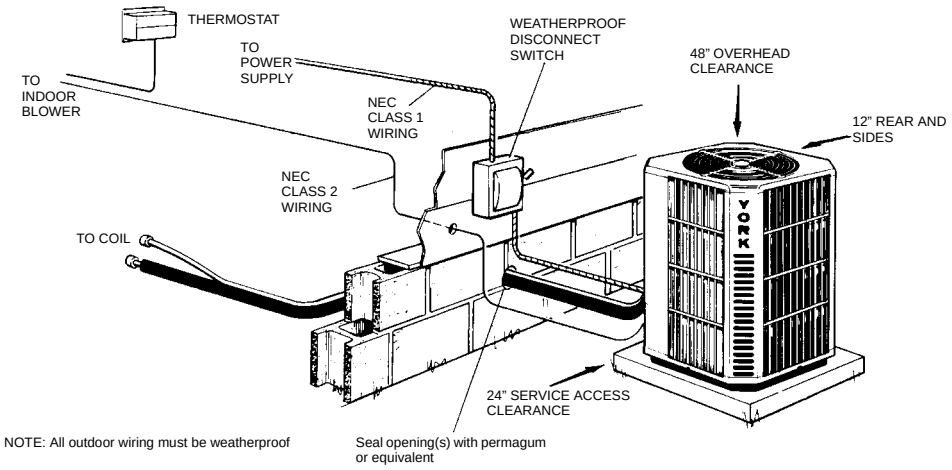
* For the most current accessory information, refer to the price book or consult factroy.

SOUND BLANKET

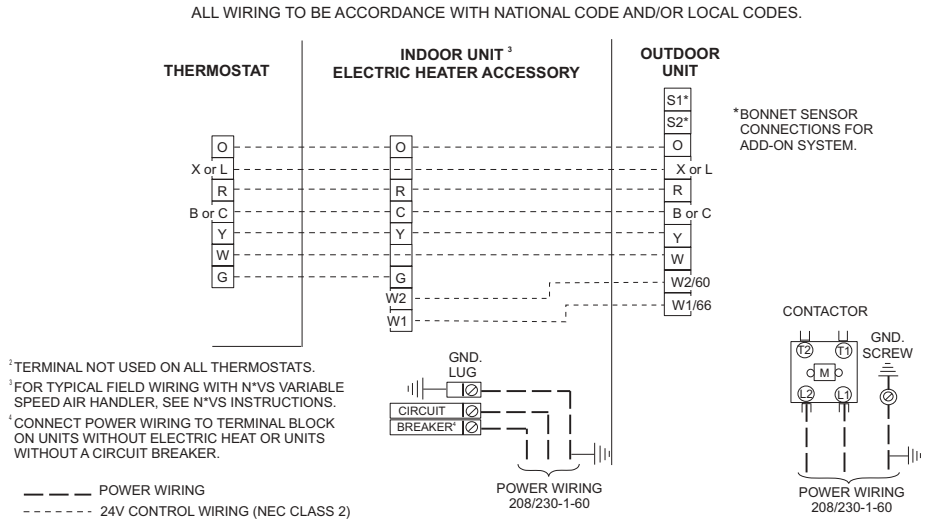
EFH MODEL	SOUND RATING DECIBELS
018	72
024	73
030	74
036	74
042	74
048	76
060	76

*Rated in accordance with ARI Standard 270.

TYPICAL INSTALLATION



TYPICAL FIELD WIRING - (AIR HANDLER / ELECTRICAL HEAT)



COOLING PERFORMANCE DATA													
AIR CONDITIONER MODEL NO.		E4FH018S06											
INDOOR COIL MODEL NO.		F2RP/F2FP024											
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	600				650				700			
	ID DB (°F)	85	80	75	70	85	80	75	70	85	80	75	70
	ID WB (°F)	72	67	62	57	72	67	62	57	72	67	62	57
75	T.C.	24.0	22.0	20.1	18.2	24.3	22.3	20.3	18.5	24.5	22.6	20.6	18.7
	S.C.	14.8	14.9	15.0	15.1	15.4	15.5	15.6	15.7	15.9	16.0	16.2	16.2
	K.W	1.57	1.61	1.63	1.62	1.59	1.64	1.66	1.66	1.60	1.64	1.67	1.67
85	T.C.	22.9	21.0	19.0	17.2	23.2	21.3	19.3	17.6	23.4	21.5	19.5	17.9
	S.C.	14.5	14.5	14.7	14.7	15.1	15.1	15.3	15.5	15.7	15.7	15.8	16.0
	K.W	1.65	1.68	1.68	1.67	1.68	1.70	1.71	1.70	1.68	1.71	1.72	1.71
95	T.C.	20.7	18.8	17.0	15.5	20.9	19.0	17.2	15.7	21.0	19.2	17.5	15.9
	S.C.	13.8	13.8	13.9	13.9	14.4	14.3	14.4	14.5	14.9	14.9	15.1	15.0
	K.W	1.78	1.79	1.79	1.77	1.80	1.82	1.82	1.81	1.81	1.83	1.83	1.82
105	T.C.	18.6	16.8	15.3	13.8	18.7	17.0	15.5	14.1	18.9	17.3	15.6	14.4
	S.C.	13.2	13.0	13.2	13.1	13.7	13.6	13.8	13.8	14.3	14.4	14.3	13.8
	K.W	1.94	1.94	1.93	1.90	1.96	1.97	1.96	1.94	1.97	1.98	1.97	0.52
115	T.C.	16.4	15.0	13.5	12.3	16.6	15.1	13.6	12.6	16.8	15.3	13.9	12.8
	S.C.	12.4	12.5	12.5	12.0	13.1	13.0	13.0	12.3	13.8	13.6	13.6	12.5
	K.W	2.13	2.12	2.09	2.06	2.16	2.15	2.12	2.10	2.17	2.16	2.14	2.11
125	T.C.	14.3	13.1	11.8	10.7	14.5	13.2	11.8	11.1	14.7	13.4	12.1	11.3
	S.C.	11.7	11.9	11.8	11.1	12.5	12.4	12.3	11.2	13.3	13.0	12.9	11.3
	K.W	2.31	2.29	2.24	2.21	2.34	2.32	2.27	2.25	2.35	2.33	2.30	2.26
NOTE: ALL CAPACITIES ARE NET WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.													

Multipliers for determining the performance with other indoor sections.

NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree belowthe listed temperature.

Air Handler	Coil	T.C.	S.C.	KW
N1AHB08	G2FD024(S,H)17	1.00	1.00	0.94
N1AHB08	G2FD030(S,H)17	1.02	1.02	1.00
N1VSB12	G2FD024(S,H)17	1.02	1.00	0.94
F2RP/F2FP018		0.95	0.94	0.94
	G1UA024S14	0.99	0.99	1.00
	G1UA024S17	0.99	0.99	1.00
	G2FD024(S,H)14	1.00	1.00	1.00
	G2FD024(S,H)17	1.00	1.00	1.00
	G1UA030S14	1.00	1.00	1.00
	G2FD030(S,H)14	1.02	1.02	1.00
	G2FD030(S,H)17	1.02	1.02	1.00
	G1FA024S14	0.99	0.99	1.00
	G1FA024S17	0.99	0.99	1.00
	G1FA030S14	1.00	1.00	1.00

COOLING PERFORMANCE DATA													
AIR CONDITIONER MODEL NO.		E4FH024S06											
INDOOR COIL MODEL NO.		F2RP/F2FP030											
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	750				800				850			
	ID DB (°F)	85	80	75	70	85	80	75	70	85	80	75	70
	ID WB (°F)	72	67	62	57	72	67	62	57	72	67	62	57
75	T.C.	28.2	26.0	23.8	21.9	28.4	26.2	24.1	22.0	28.6	26.4	24.2	22.2
	S.C.	17.7	17.7	18.0	18.1	18.1	18.1	18.4	18.5	18.5	18.6	18.9	19.0
	K.W	1.83	1.81	1.80	1.79	1.86	1.84	1.83	1.82	1.87	1.85	1.84	1.83
85	T.C.	27.3	25.1	23.0	21.1	27.5	25.3	23.2	21.3	27.6	25.5	23.4	21.4
	S.C.	17.6	17.7	18.0	18.1	18.1	18.2	18.5	18.6	18.6	18.7	19.0	19.1
	K.W	2.04	2.00	1.99	1.98	2.15	2.04	2.02	2.01	2.07	2.05	2.03	2.02
95	T.C.	25.6	23.6	21.6	20.0	25.8	23.8	21.8	20.1	26.0	24.0	21.9	20.3
	S.C.	17.3	17.4	17.6	18.0	17.8	17.9	18.2	18.5	18.4	18.4	18.7	19.0
	K.W	2.24	2.23	2.21	2.20	2.28	2.26	2.24	2.23	2.29	2.27	2.25	2.24
105	T.C.	23.9	22.0	20.1	18.5	24.0	22.1	20.4	18.7	24.1	22.2	20.5	18.8
	S.C.	16.9	16.9	17.1	17.3	17.4	17.5	18.0	17.8	18.0	18.0	18.4	18.3
	K.W	2.50	2.48	2.47	2.46	2.53	2.52	2.50	2.49	2.55	2.53	2.51	2.50
115	T.C.	22.1	20.3	18.7	17.1	22.3	20.5	18.8	17.5	22.3	20.7	19.0	17.7
	S.C.	16.5	16.5	16.8	16.7	17.1	17.2	17.3	17.3	17.7	17.8	17.9	17.6
	K.W	2.82	2.80	2.78	2.78	2.85	2.83	2.81	2.81	2.86	2.84	2.83	2.82
125	T.C.	20.3	18.6	17.3	15.7	20.6	18.9	17.2	16.3	20.5	19.2	17.5	16.6
	S.C.	16.1	16.1	16.5	16.1	16.8	16.9	16.6	16.8	17.4	17.6	17.4	16.9
	K.W	3.14	3.12	3.09	3.10	3.17	3.14	3.12	3.13	3.17	3.15	3.15	3.14
NOTE: ALL CAPACITIES ARE NET WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.													

Multipliers for determining the performance with other indoor sections.

NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree belowthe listed temperature.

Air Handler	Coil	T.C.	S.C.	KW
N1AHB08	G2FD024(S,H)17	0.98	0.98	0.96
N1AHB08	G2FD030(S,H)17	0.98	0.98	0.96
N1AHB08	G2FD035(S,H)14	0.98	0.98	0.96
N1VSB12	G2FD024(S,H)17	1.01	1.01	0.87
F2RP/F2FP024		0.98	0.98	0.96
	G2FD024(S,H)14	0.98	0.98	0.96
	G2FD024(S,H)17	0.98	0.98	0.96
	G1HD024	0.98	0.98	0.96
	G1UA030S14	0.97	0.97	0.96
	G1UA036S17	1.00	1.00	0.96
	G1UA036S21	1.00	1.00	0.96
	G2FD030(S,H)17	0.98	0.98	0.96
	G2FD035(S,H)14	0.98	0.98	0.96
	G1FA030S14	0.97	0.97	0.96
	G1FA036S17	1.00	1.00	0.96
	G1FA036S21	1.00	1.00	0.96

COOLING PERFORMANCE DATA													
AIR CONDITIONER MODEL NO.		E4FH030S06											
INDOOR COIL MODEL NO.		G2FD030(S,H)17											
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	950				1050				1150			
	ID DB (°F)	85	80	75	70	85	80	75	70	85	80	75	70
	ID WB (°F)	72	67	62	57	72	67	62	57	72	67	62	57
75	T.C.	33.2	30.6	28.1	25.8	33.4	30.9	28.4	26.0	33.6	31.0	28.6	26.2
	S.C.	21.1	21.1	21.4	21.6	21.7	21.8	22.1	22.2	22.4	22.5	22.9	23.0
	K.W	2.35	2.33	2.33	2.31	2.39	2.37	2.36	2.34	2.44	2.43	2.41	2.40
85	T.C.	31.9	29.4	26.9	24.8	32.2	29.6	27.2	25.0	32.3	29.8	27.5	25.2
	S.C.	20.7	20.8	21.1	21.2	21.4	21.5	21.9	22.0	22.1	22.2	22.6	22.7
	K.W	2.57	2.55	2.54	2.53	2.65	2.59	2.57	2.56	2.66	2.64	2.62	2.61
95	T.C.	30.3	28.0	25.7	23.6	30.6	28.2	25.9	23.8	30.7	28.4	26.1	24.1
	S.C.	20.2	20.4	20.7	20.9	21.1	21.2	21.5	21.6	21.7	21.9	22.2	22.3
	K.W	2.89	2.87	2.85	2.84	2.92	2.90	2.88	2.87	2.98	2.96	2.94	2.93
105	T.C.	28.7	26.4	24.2	22.3	28.8	26.6	24.5	22.5	29.0	26.8	24.6	22.7
	S.C.	19.8	19.8	20.1	20.2	20.6	20.7	21.0	21.0	21.3	21.3	21.6	21.6
	K.W	3.28	3.25	3.24	3.22	3.30	3.28	3.27	3.25	3.36	3.35	3.33	3.31
115	T.C.	27.0	24.8	22.8	21.0	27.2	25.1	23.0	21.3	27.3	25.3	23.2	21.6
	S.C.	19.3	19.4	19.6	19.7	20.1	20.2	20.3	20.3	20.9	21.0	21.1	21.0
	K.W	3.74	3.72	3.69	3.67	3.76	3.75	3.73	3.71	3.83	3.80	3.79	3.77
125	T.C.	25.3	23.2	21.4	19.7	25.5	23.5	21.6	20.1	25.6	23.8	21.7	20.6
	S.C.	18.8	18.9	19.2	19.3	19.7	19.7	19.6	19.7	20.5	20.6	20.6	20.4
	K.W	4.20	4.19	4.15	4.12	4.22	4.22	4.19	4.18	4.30	4.26	4.25	4.23
NOTE: ALL CAPACITIES ARE NET WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.													

Multipliers for determining the performance with other indoor sections.

NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree belowthe listed temperature.

Air Handler	Coil	T.C.	S.C.	KW
N1AHB12	G2FD036(S,H)17	1.03	1.03	1.00
N1VSB12	G2FD030(S,H)17	1.03	1.03	0.89
N1VSB12	G2FD036(S,H)17	1.03	1.03	0.88
F2RP/F2FP030		1.00	1.00	0.94
F2RP/F2FP036		1.02	1.02	0.97
	G1UA036S17,21	2 1.00	1.00	0.94
	G1HD036	1.02	1.02	0.97
	G1UA036S14	1.00	1.00	0.94
	G2FD035(S,H)14	1.01	1.02	0.95
	G2FD036(S,H)17	1.02	1.03	0.93
	G2FD036(S,H)21	1.02	1.02	0.93
	G1FA036S17,21	1.00	1.00	0.94
	G1FA036S14	1.00	1.00	0.94

COOLING PERFORMANCE DATA													
AIR CONDITIONER MODEL NO.		**E4FH036S06**											
INDOOR COIL MODEL NO.		**F2RP/F2FP036**											
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	1150				1250				1350			
	ID DB (°F)	85	80	75	70	85	80	75	70	85	80	75	70
	ID WB (°F)	72	67	62	57	72	67	62	57	72	67	62	57
75	T.C.	40.5	37.4	34.3	31.6	40.8	37.7	34.7	31.9	41.0	37.9	35.0	32.1
	S.C.	25.6	25.7	26.0	26.3	26.5	26.8	27.1	27.2	27.5	27.6	28.2	28.2
	K.W	2.65	2.63	2.63	2.60	2.69	2.67	2.66	2.64	2.78	2.77	2.74	2.74
85	T.C.	38.8	35.8	32.8	30.2	39.1	36.1	33.2	30.5	39.3	36.3	33.5	30.8
	S.C.	25.0	25.0	25.4	25.6	25.9	26.0	26.5	26.6	26.9	27.0	27.4	27.6
	K.W	2.86	2.86	2.84	2.83	2.90	2.89	2.87	2.86	3.00	2.98	2.96	2.94
95	T.C.	37.2	34.3	31.6	28.9	37.5	34.6	31.9	29.2	37.6	34.9	32.1	29.6
	S.C.	24.3	24.6	25.0	24.9	25.5	25.6	26.0	25.9	26.3	26.7	26.9	26.9
	K.W	3.27	3.23	3.21	3.21	3.28	3.26	3.25	3.24	3.39	3.36	3.34	3.34
105	T.C.	35.5	32.7	30.1	27.6	35.7	33.0	30.3	27.9	35.9	33.2	30.5	28.2
	S.C.	23.8	23.9	24.2	24.3	24.9	25.0	25.2	25.3	25.9	25.9	26.1	26.1
	K.W	3.74	3.71	3.69	3.67	3.75	3.73	3.72	3.70	3.84	3.84	3.82	3.80
115	T.C.	33.8	31.1	28.6	26.3	34.0	31.4	28.9	26.6	34.2	31.6	29.0	27.1
	S.C.	23.2	23.3	23.6	23.9	24.3	24.3	24.5	24.5	25.3	25.3	25.5	25.6
	K.W	4.30	4.28	4.25	4.21	4.31	4.31	4.29	4.26	4.43	4.40	4.38	4.36
125	T.C.	32.1	29.5	27.1	25.0	32.3	29.8	27.5	25.3	32.5	30.0	27.5	26.0
	S.C.	22.6	22.7	23.0	23.5	23.7	23.6	23.8	23.7	24.7	24.7	24.9	25.1
	K.W	4.86	4.85	4.81	4.75	4.87	4.89	4.86	4.82	5.02	4.96	4.94	4.92
NOTE: ALL CAPACITIES ARE NET WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.													

Multipliers for determining the performance with other indoor sections.

NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree belowthe listed temperature.

Air Handler	Coil	T.C.	S.C.	KW
N1AHB12	G2FD036(S,H)17	1.00	1.00	1.01
N1VSB12	G2FD036(S,H)17	1.01	1.01	0.96
F2RP042		1.00	1.00	1.01
	G1UA048S21	1.02	1.02	1.02
	G1UA048S17	1.01	1.01	1.01
	G2FD42(S,H)21	1.01	1.01	1.01
	G2FD046(S,H)17	1.01	1.01	1.01
	G2FD036(S,H)21	1.00	1.00	1.01
	G2FD036(S,H)17	1.00	1.00	1.01
	G1FA048S21	1.02	1.02	1.02
	G1FA048S17	1.01	1.01	1.01

COOLING PERFORMANCE DATA													
AIR CONDITIONER MODEL NO.		**E4FH042S06**											
INDOOR COIL MODEL NO.		**F2RP/F2FP042**											
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	1200				1400				1600			
	ID DB (°F)	85	80	75	70	85	80	75	70	85	80	75	70
	ID WB (°F)	72	67	62	57	72	67	62	57	72	67	62	57
75	T.C.	48.1	44.3	40.6	37.1	48.4	44.6	40.9	37.5	48.7	45.0	41.2	37.8
	S.C.	30.2	30.2	30.9	31.1	31.1	31.3	31.8	32.3	32.1	32.4	32.9	33.1
	K.W	3.09	3.06	3.03	3.01	3.27	3.25	3.22	3.19	3.54	3.51	3.48	3.46
85	T.C.	45.9	42.3	38.7	35.4	46.2	42.6	39.0	35.7	46.5	42.9	39.3	36.0
	S.C.	29.5	29.7	30.1	30.4	30.4	30.6	31.1	31.2	31.4	31.6	32.2	32.2
	K.W	3.33	3.31	3.28	3.25	3.52	3.49	3.46	3.44	3.78	3.75	3.73	3.70
95	T.C.	43.1	39.7	36.3	33.3	43.4	40.0	36.7	33.6	43.6	40.2	37.0	33.9
	S.C.	28.4	28.6	29.0	29.3	29.4	29.6	30.1	30.2	30.4	30.6	31.2	31.2
	K.W	3.69	3.67	3.64	3.61	3.88	3.85	3.82	3.79	4.14	4.11	4.08	4.06
105	T.C.	40.3	37.1	34.0	31.1	40.6	37.4	34.3	31.5	40.8	37.7	34.5	31.8
	S.C.	27.4	27.5	28.2	28.3	28.5	28.6	29.0	29.3	29.5	29.9	30.0	30.2
	K.W	4.11	4.09	4.05	4.02	4.30	4.27	4.24	4.22	4.56	4.53	4.50	4.47
115	T.C.	37.6	34.6	31.7	29.0	37.9	34.9	32.0	29.4	38.0	35.1	32.2	30.3
	S.C.	26.5	26.7	27.0	27.1	27.7	27.7	28.0	28.1	28.7	28.7	29.0	29.3
	K.W	4.60	4.57	4.54	4.50	4.78	4.76	4.72	4.69	5.04	5.02	4.99	4.98
125	T.C.	34.9	32.1	29.4	26.9	35.2	32.4	29.7	27.3	35.2	32.5	29.9	28.8
	S.C.	25.6	25.9	25.8	25.9	26.9	26.8	27.0	26.9	27.9	27.5	28.0	28.4
	K.W	5.09	5.05	5.03	4.98	5.26	5.25	5.20	5.16	5.52	5.51	5.48	5.49
NOTE: ALL CAPACITIES ARE NET WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.													

Multipliers for determining the performance with other indoor sections.

NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree belowthe listed temperature.

Air Handler	Coil	T.C.	S.C.	KW
N1AHC16	G2FD042(S,H)21	1.00	1.00	0.99
N1AHC16	G2FD048(S,H)21	1.03	1.02	0.99
N1VSC16	G2FD042(S,H)21	1.01	1.01	0.94
N1VSC16	G2FD048(S,H)21	1.04	1.04	0.95
F2FP048		1.03	1.02	0.99
	G2FD042(S,H)21	1.00	1.00	0.99
	G1UA048S21	1.01	1.01	0.98
	G1UA048S17	1.01	1.01	0.99
	G1UA046S17	1.01	1.01	0.99
	G2FD048(S,H)21	1.03	1.02	0.99
	G2FD048(S,H)24	1.03	1.02	0.99
	G1FA048S21	1.01	1.01	0.98
	G1FA048S17	1.01	1.01	0.99
	G1FA046S17	1.01	1.01	0.99

COOLING PERFORMANCE DATA													
AIR CONDITIONER MODEL NO.		**E5FH048S06**											
INDOOR COIL MODEL NO.		**F2FP048**											
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	1450				1600				1750			
	ID DB (°F)	85	80	75	70	85	80	75	70	85	80	75	70
	ID WB (°F)	72	67	62	57	72	67	62	57	72	67	62	57
75	T.C.	54.5	50.2	46.0	42.1	55.1	50.9	46.6	42.7	55.6	51.3	47.1	43.4
	S.C.	35.6	35.8	36.3	36.5	37.1	37.3	37.8	38.1	38.5	38.7	39.3	39.9
	K.W	3.82	3.76	3.71	3.67	3.92	3.86	3.81	3.76	3.98	3.92	3.87	3.82
85	T.C.	52.7	48.6	44.5	40.7	53.3	49.2	45.1	41.5	53.8	49.6	45.5	42.0
	S.C.	34.8	35.0	35.5	35.6	36.3	36.5	37.0	37.4	37.6	37.8	38.4	38.9
	K.W	4.18	4.11	4.06	4.01	4.28	4.21	4.16	4.12	4.34	4.27	4.21	4.17
95	T.C.	50.3	46.4	42.5	38.8	50.9	47.0	43.0	39.6	51.4	47.4	43.4	40.0
	S.C.	33.5	33.9	34.3	34.4	35.1	35.3	35.7	36.3	36.4	36.6	37.1	37.6
	K.W	4.56	4.50	4.44	4.40	4.67	4.60	4.54	4.50	4.73	4.66	4.60	4.55
105	T.C.	47.9	44.1	40.4	37.0	48.4	44.7	40.9	37.6	48.9	45.0	41.3	38.1
	S.C.	32.4	32.5	33.0	33.3	33.7	33.9	34.3	34.8	35.1	35.2	35.9	36.1
	K.W	4.81	4.75	4.69	4.65	4.92	4.85	4.79	4.75	4.98	4.91	4.85	4.80
115	T.C.	45.3	41.6	38.1	34.8	45.7	42.1	38.5	35.5	46.0	42.4	38.8	35.8
	S.C.	30.8	31.0	31.4	31.6	32.1	32.2	32.6	33.1	33.2	33.3	33.8	34.2
	K.W	5.32	5.26	5.21	5.17	5.42	5.36	5.30	5.27	5.48	5.41	5.36	5.32
125	T.C.	42.7	39.1	35.8	32.6	43.0	39.5	36.1	33.4	43.1	39.8	36.3	33.5
	S.C.	29.2	29.5	29.8	29.9	30.5	30.5	30.9	31.4	31.3	31.4	31.7	32.3
	K.W	5.83	5.77	5.73	5.69	5.92	5.87	5.81	5.79	5.98	5.91	5.87	5.84
NOTE: ALL CAPACITIES ARE NET WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.													

Multipliers for determining the performance with other indoor sections.

NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree belowthe listed temperature.

Air Handler	Coil	T.C.	S.C.	KW
N1AHC16	G2FD048(S,H)21	1.01	1.01	1.00
N1AHD20	G2FD060(S,H)24	1.02	1.02	1.00
N1VSC16	G2FD048(S,H)21	1.02	1.02	0.93
N1VSD20	G2FD060(S,H)24	1.04	1.04	0.93
F2V060		1.03	1.03	0.93
F2FP060		1.01	1.01	1.04
	G2FD048(S,H)21	1.01	1.01	1.00
	G2FD048(S,H)24	1.01	1.01	1.00
	G1UA048S21	1.00	1.00	1.00
	G1UA060S21	1.01	1.01	1.00
	G1UA060S24	1.01	1.01	1.00
	G2FD060(S,H)24	1.02	1.02	1.00
	G1FA048S21	1.00	1.00	1.00
	G1FA060S21	1.01	1.01	1.00
	G1FA060S24	1.01	1.01	1.00

COOLING PERFORMANCE DATA													
AIR CONDITIONER MODEL NO.		**E4FH060S06**											
INDOOR COIL MODEL NO.		**G2FD060(S,H)24**											
CONDENSER ENTERING AIR TEMPERATURE	ID CFM	1700				1850				2000			
	ID DB (°F)	85	80	75	70	85	80	75	70	85	80	75	70
	ID WB (°F)	72	67	62	57	72	67	62	57	72	67	62	57
75	T.C.	65.8	60.8	55.8	51.2	66.2	61.2	56.3	51.9	66.6	61.7	56.8	52.4
	S.C.	41.6	41.9	42.5	42.7	43.0	43.3	44.0	44.6	44.6	44.9	45.8	46.2
	K.W	4.57	4.52	4.47	4.43	4.64	4.59	4.54	4.49	4.69	4.65	4.59	4.55
85	T.C.	64.3	59.4	54.5	50.1	64.9	60.0	55.1	50.7	65.3	60.4	55.7	51.2
	S.C.	40.9	41.1	41.8	42.3	42.7	43.0	43.6	44.0	44.1	44.4	45.4	45.6
	K.W	4.92	4.87	4.82	4.85	4.98	4.93	4.88	4.83	5.04	4.99	4.94	4.90
95	T.C.	62.4	57.5	52.8	48.5	62.8	58.0	53.3	49.0	63.2	58.4	53.8	49.4
	S.C.	40.3	40.4	41.2	41.5	41.7	42.0	42.8	43.1	43.4	43.6	44.3	44.4
	K.W	5.40	5.36	5.30	5.25	5.46	5.42	5.36	5.31	5.53	5.48	5.43	5.38
105	T.C.	60.1	55.4	50.7	46.6	60.5	55.9	51.4	47.1	60.8	58.3	51.8	47.8
	S.C.	39.4	39.5	40.1	40.6	41.0	41.2	42.0	41.9	42.5	42.8	43.4	43.7
	K.W	5.96	5.91	5.85	5.79	6.03	5.98	5.92	5.87	6.08	6.04	5.98	5.92
115	T.C.	57.6	53.1	48.6	44.6	58.0	53.5	49.3	45.1	58.3	53.8	49.7	45.6
	S.C.	38.5	38.7	39.1	39.3	40.1	40.3	41.1	41.1	41.6	41.7	42.6	42.6
	K.W	6.58	6.53	6.47	6.41	6.65	6.59	6.53	6.48	6.70	6.03	6.59	6.54
125	T.C.	55.1	50.8	46.5	42.6	55.5	51.1	47.2	43.1	55.8	49.3	47.6	43.4
	S.C.	37.6	37.9	38.1	38.0	39.2	39.4	40.2	40.3	40.7	40.6	41.8	41.5
	K.W	7.20	7.15	7.09	7.03	7.27	7.20	7.14	7.09	7.32	6.02	7.20	7.16
NOTE: ALL CAPACITIES ARE NET WITH INDOOR FAN HEAT ALREADY DEDUCTED AT 1250 BTUH/1000 CFM.													

Multipliers for determining the performance with other indoor sections.

NOTE: For dry bulb temperatures different than those listed (between 73-87 F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree belowthe listed temperature.

Air Handler	Coil	T.C.	S.C.	KW
N1AHD20	G2FD060(S,H)24	1.00	1.00	1.00
N1AHD20	G2FD061H24	1.01	0.99	1.01
N1VSD20	G2FD060(S,H)24	1.04	1.02	0.96
N1VSD20	G2FD061H24	1.03	0.99	0.92
F2FP060		0.98	1.00	1.01
F2FV060H24		1.02	1.02	0.94
	G1UA060S21	0.98	0.98	1.01
	G1UA060S24	0.98	0.98	1.01
	G2FD061H24	1.01	0.99	1.01
	G1FA060S21	0.98	0.98	1.01
	G1FA060S24	0.98	0.98	1.01

HEATING PERFORMANCE DATA										
CONDENSING UNIT MODEL NO.		**E4FH018S06**								
EVAPORATOR COIL MODEL NO.		**F2RP/F2FP024**								
AIR TEMP. ENTERING OUTDOOR UNIT	**AIR TEMP. ENTERING INDOOR COIL**	ID CFM								
		600			650			700		
		MBTUH	K.W.	C.O.P.	MBTUH	K.W.	C.O.P.	MBTUH	K.W.	C.O.P.
60	60	25.0	1.83	4.10	25.3	1.82	4.17	25.5	1.80	4.24
	70	22.4	1.88	3.56	23.1	1.88	3.68	23.8	1.88	3.79
	80	19.8	1.95	3.04	21.0	1.97	3.19	22.1	1.98	3.35
47	60	20.8	1.72	3.55	21.4	1.74	3.61	22.0	1.76	3.67
	70	18.5	1.77	3.08	19.5	1.79	3.20	20.5	1.81	3.32
	80	16.4	1.84	2.62	17.7	1.86	2.80	19.0	1.88	2.97
40	60	19.0	1.63	3.38	19.5	1.64	3.46	19.9	1.64	3.54
	70	17.0	1.73	2.87	17.6	1.74	2.94	18.2	1.76	3.01
	80	15.0	1.86	2.35	15.6	1.89	2.41	16.3	1.91	2.48
30	60	16.0	1.56	2.97	16.6	1.52	3.16	17.3	1.49	3.36
	70	14.1	1.68	2.43	14.9	1.67	2.58	15.7	1.66	2.73
	80	11.9	1.86	1.85	12.8	1.90	1.95	13.8	1.94	2.05
17	60	12.0	1.53	2.30	12.4	1.58	2.31	12.9	1.62	2.32
	70	10.5	1.53	2.02	11.3	1.58	2.10	12.1	1.63	2.18
	80	9.1	1.54	1.73	10.2	1.59	1.89	11.3	1.63	2.03
10	60	9.8	1.50	1.96	10.3	1.55	2.01	10.9	1.59	2.06
	70	8.7	1.48	1.76	9.4	1.53	1.84	10.1	1.58	1.92
	80	7.6	1.47	1.56	8.5	1.52	1.68	9.3	1.56	1.79
NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT AT 1250 BTUH/1000 CFM.										

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	T.C.	S.C.	KW
F2RP/F2FP018		0.87	0.93	0.94
	G2FD024(S,H)14,17	0.97	0.94	1.04
	G2FD030(S,H)17	1.02	0.95	1.06
	G2FD035(S,H)14	1.02	0.95	1.06

HEATING PERFORMANCE DATA										
CONDENSING UNIT MODEL NO.		**E4FH024S06**								
EVAPORATOR COIL MODEL NO.		**F2RP/F2FP030**								
AIR TEMP. ENTERING OUTDOOR UNIT	**AIR TEMP. ENTERING INDOOR COIL**	ID CFM								
		750			800			850		
		MBTUH	K.W.	C.O.P.	MBTUH	K.W.	C.O.P.	MBTUH	K.W.	C.O.P.
60	60	29.0	2.17	4.06	29.3	2.13	4.17	29.6	2.09	4.29
	70	28.3	2.33	3.68	28.8	2.29	3.81	29.3	2.26	3.94
	80	27.6	2.54	3.29	28.3	2.50	3.44	29.0	2.46	3.58
47	60	24.6	1.99	3.62	25.1	1.98	3.72	25.7	1.97	3.82
	70	23.5	2.13	3.23	24.0	2.12	3.32	24.5	2.11	3.41
	80	22.5	2.31	2.85	22.9	2.30	2.92	23.3	2.28	2.99
40	60	22.8	1.92	3.43	23.0	1.92	3.47	23.3	1.91	3.52
	70	21.4	2.04	3.02	21.4	2.03	3.06	21.5	2.01	3.09
	80	19.9	2.20	2.62	19.8	2.17	2.64	19.7	2.14	2.65
30	60	18.2	1.77	2.96	18.6	1.76	3.03	18.9	1.75	3.10
	70	17.7	1.91	2.66	17.7	1.89	2.69	17.7	1.88	2.71
	80	17.2	2.09	2.36	16.8	2.07	2.34	16.5	2.04	2.32
17	60	12.9	1.59	2.39	13.2	1.59	2.44	13.4	1.59	2.48
	70	12.7	1.72	2.16	12.9	1.72	2.20	13.1	1.72	2.24
	80	12.5	1.89	1.93	12.6	1.89	1.96	12.8	1.88	1.99
10	60	10.7	1.49	2.20	10.9	1.50	2.22	11.1	1.51	2.25
	70	10.2	1.62	1.92	10.3	1.63	1.94	10.4	1.63	1.96
	80	9.6	1.79	1.64	9.7	1.79	1.65	9.8	1.80	1.66
NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT AT 1250 BTUH/1000 CFM.										

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	T.C.	S.C.	KW
F2RP/F2FP024		1.00	1.00	1.00
	G2FD035(S,H)14	1.00	1.02	0.98
	G2FD030(S,H)17	1.00	1.02	0.98
	G2FD024(S,H)14,17	0.99	0.97	1.02

HEATING PERFORMANCE DATA										
CONDENSING UNIT MODEL NO		E4FH30S06								
EVAPORATOR COIL MODEL NO		G2FD030(S,H)17								
AIR TEMP. ENTERING OUTDOOR UNIT	AIR TEMP. ENTERING INDOOR COIL	ID CFM								
		950			1050			1150		
		MBTUH	K.W.	C.O.P.	MBTUH	K.W.	C.O.P.	MBTUH	K.W.	C.O.P.
60	60	33.7	2.53	4.02	33.9	2.51	4.09	34.1	2.49	4.16
	70	26.4	2.67	3.66	33.1	2.66	3.76	33.8	2.65	3.87
	80	25.7	2.85	3.29	32.3	2.84	3.43	33.5	2.83	3.56
47	60	23.0	2.34	3.62	29.2	2.33	3.68	29.6	2.57	3.74
	70	22.0	2.46	3.26	28.0	2.46	3.33	28.6	2.70	3.40
	80	21.0	2.61	2.89	26.8	2.62	2.98	27.6	2.87	3.06
40	60	21.3	2.25	3.41	26.8	2.38	3.45	27.1	2.26	3.48
	70	19.9	2.35	3.06	25.2	2.50	3.10	25.6	2.36	3.13
	80	18.6	2.48	2.69	23.6	2.65	2.73	24.0	2.49	2.77
30	60	17.2	2.31	2.81	22.8	2.33	2.86	23.3	2.34	2.92
	70	16.7	2.41	2.55	21.6	2.43	2.59	22.0	2.44	2.62
	80	16.2	2.55	2.27	20.1	2.56	2.28	20.4	2.58	2.29
17	60	12.2	2.08	2.43	17.6	2.10	2.46	18.0	2.12	2.48
	70	12.0	2.19	2.16	16.4	2.21	2.18	16.8	2.23	2.21
	80	11.8	2.31	1.90	15.2	2.34	1.92	15.6	2.36	1.95
10	60	10.1	1.97	2.25	15.1	2.00	2.27	15.5	2.04	2.30
	70	9.6	2.06	1.93	13.6	2.09	1.97	13.9	2.13	1.98
	80	9.1	2.17	1.63	12.2	2.19	1.68	12.5	2.23	1.69
NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT AT 1250 BTUH/1000 CFM.										

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	T.C.	S.C.	KW
F2RP/F2FP030		1.00	1.01	0.99
F2RP/F2FP036		1.00	1.01	0.99
	G2FD035(S,H)14	1.00	1.01	0.99
	G1HD036	1.00	1.01	0.99
	G2FD036(S,H)17	1.00	1.01	0.99
	G2FD036(S,H)21	0.99	1.00	0.99
	G1UA036S14	1.00	1.01	0.99
	G1FA036S14	1.00	1.01	0.99
	G1UA036S17,21	1.00	1.01	0.99
	G1FA036S17,21	1.00	1.01	0.99

HEATING PERFORMANCE DATA										
CONDENSING UNIT MODEL NO.		**E4FH036S06**								
EVAPORATOR COIL MODEL NO.		**F2RP/F2FP036**								
AIR TEMP. ENTERING OUTDOOR UNIT	**AIR TEMP. ENTERING INDOOR COIL**	ID CFM								
		1150			1250			1350		
		MBTUH	K.W.	C.O.P.	MBTUH	K.W.	C.O.P.	MBTUH	K.W.	C.O.P.
60	60	43.3	3.53	3.69	43.4	3.52	3.71	43.5	3.51	3.73
	70	41.2	3.67	3.38	42.2	3.68	3.45	43.1	3.69	3.51
	80	39.2	3.86	3.05	40.9	3.89	3.17	42.7	3.91	3.29
47	60	37.31	3.26	3.36	37.5	3.26	3.38	37.7	3.79	3.39
	70	35.18	3.39	3.05	36.0	3.41	3.10	36.8	3.97	3.15
	80	33.08	3.56	2.73	34.5	3.59	2.82	35.9	4.18	2.91
40	60	33.9	3.13	3.15	34.3	3.43	3.17	34.7	3.17	3.19
	70	32.0	3.23	2.88	32.7	3.58	2.91	33.4	3.29	2.95
	80	29.8	3.37	2.57	30.8	3.77	2.62	31.8	3.45	2.68
30	60	28.9	2.95	2.83	29.6	2.98	2.87	30.3	3.01	2.91
	70	27.1	3.01	2.60	28.0	3.05	2.65	28.8	3.10	2.69
	80	24.8	3.10	2.31	25.7	3.16	2.35	26.6	3.22	2.40
17	60	23.7	2.65	2.62	24.1	2.69	2.63	24.6	2.74	2.63
	70	21.3	2.73	2.28	21.8	2.78	2.30	22.3	2.83	2.32
	80	19.0	2.81	1.98	19.6	2.87	2.00	20.2	2.93	2.03
10	60	20.4	2.52	2.44	21.1	2.58	2.46	21.7	2.64	2.48
	70	17.6	2.57	2.06	18.5	2.63	2.11	19.1	2.70	2.13
	80	15.0	2.62	1.72	16.1	2.68	1.81	16.6	2.75	1.81
NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT AT 1250 BTUH/1000 CFM.										

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	T.C.	S.C.	KW
F2RP/F2FP042		1.00	1.00	1.00
	G2FD036(S,H)17,21	1.00	0.91	1.10
	G2FD042(S,H)21	1.00	0.91	1.09
	G2FD046(S,H)17	1.00	0.91	1.09

HEATING PERFORMANCE DATA										
CONDENSING UNIT MODEL NO		**E4FH042S06**								
EVAPORATOR COIL MODEL NO		**F2RP/F2FP042**								
AIR TEMP. ENTERING OUTDOOR UNIT	**AIR TEMP. ENTERING INDOOR COIL**	ID CFM								
		1200			1400			1000		
		MBTUH	K.W.	C.O.P.	MBTUH	K.W.	C.O.P.	MBTUH	K.W.	C.O.P.
60	60	49.0	3.71	3.94	48.5	3.63	3.92	47.2	3.56	3.90
	70	50.2	3.97	3.77	50.0	3.89	3.78	49.1	3.81	3.79
	80	50.1	4.33	3.45	50.2	4.24	3.49	49.7	4.14	3.53
47	60	42.4	3.35	3.72	41.9	3.31	3.71	41.3	3.27	3.70
	70	42.8	3.59	3.50	42.0	3.73	3.30	42.1	3.50	3.53
	80	42.4	3.91	3.18	42.3	3.85	3.22	42.1	3.80	3.25
40	60	38.5	3.43	3.27	38.1	3.40	3.26	37.7	3.37	3.26
	70	38.3	3.68	3.03	38.1	3.64	3.04	37.9	3.61	3.05
	80	37.4	3.99	2.73	37.4	3.95	2.76	37.3	3.90	2.79
30	60	33.1	3.29	2.92	33.1	3.29	2.92	33.1	3.28	2.93
	70	32.5	3.54	2.66	32.5	3.52	2.68	32.4	3.50	2.69
	80	31.5	3.84	2.38	31.4	3.80	2.40	31.3	3.75	2.42
17	60	26.3	3.08	2.51	26.6	3.09	2.53	26.9	3.11	2.55
	70	25.1	3.27	2.25	25.2	3.36	2.20	25.8	3.29	2.30
	80	23.8	3.52	1.99	24.3	3.52	2.02	24.7	3.53	2.05
10	60	22.4	3.07	2.19	22.8	3.10	2.19	23.1	3.13	2.20
	70	20.9	3.24	1.92	21.3	3.27	1.94	21.7	3.31	1.96
	80	19.4	3.46	1.68	20.0	3.49	1.71	20.5	3.52	1.74
NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT AT 1250 BTUH/1000 CFM.										

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	T.C.	S.C.	KW
F2FP048		1.00	0.92	1.08
	G2FD042(S,H)21	0.99	0.96	1.03
	G2FD046(S,H)17	0.99	0.96	1.03
	G2FD048(S,H)21,24	1.00	0.92	1.08

HEATING PERFORMANCE DATA										
CONDENSING UNIT MODEL NO		**E5FH048S06**								
EVAPORATOR COIL MODEL NO		**F2FP048**								
AIR TEMP. ENTERING OUTDOOR UNIT	**AIR TEMP. ENTERING INDOOR COIL**	ID CFM								
		1450			1600			1750		
		MBTUH	K.W.	C.O.P.	MBTUH	K.W.	C.O.P.	MBTUH	K.W.	C.O.P.
60	60	55.7	4.53	3.67	55.9	4.49	3.72	56.2	4.45	3.77
	70	55.3	4.45	3.71	55.8	4.41	3.78	56.2	4.36	3.85
	80	54.9	4.35	3.77	55.6	4.30	3.86	56.3	4.25	3.95
47	60	48.1	4.71	2.99	48.0	4.20	3.35	48.0	3.79	3.71
	70	47.3	4.46	3.10	47.5	4.22	3.30	47.7	4.00	3.50
	80	46.5	4.20	3.24	47.0	4.20	3.28	47.5	4.20	3.31
40	60	45.4	4.11	3.22	43.8	4.04	3.15	42.2	3.98	3.09
	70	44.3	4.17	3.09	43.0	4.12	3.04	41.8	4.07	3.00
	80	43.1	4.20	2.99	42.3	4.16	2.96	41.5	4.12	2.93
30	60	37.3	3.79	2.86	37.7	3.82	2.86	38.2	3.86	2.87
	70	36.3	3.95	2.67	36.7	3.98	2.68	37.1	4.00	2.69
	80	35.3	4.08	2.51	35.6	4.10	2.52	36.0	4.12	2.53
17	60	29.5	3.51	2.47	29.9	3.55	2.48	30.3	3.59	2.48
	70	28.1	3.76	2.20	28.4	3.79	2.20	28.7	3.82	2.20
	80	26.7	4.01	1.96	26.9	4.04	1.96	27.1	4.06	1.96
10	60	25.1	3.36	2.24	25.7	3.41	2.26	26.3	3.46	2.28
	70	23.5	3.65	1.92	23.9	3.69	1.94	24.4	3.72	1.96
	80	21.8	3.97	1.65	22.2	4.00	1.66	22.5	4.02	1.68
NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT AT 1250 BTUH/1000 CFM.										

Multipliers for determining the performance with other indoor sections.

Air Handler	Coil	T.C.	S.C.	KW
F2FP060		1.00	1.00	1.00
	G2FD048(S,H)21,24	1.01	0.96	1.05
	G2FD060(S,H)24	1.02	1.02	1.00

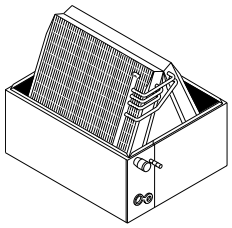
HEATING PERFORMANCE DATA										
CONDENSING UNIT MODEL NO		**E4FH060S06**								
EVAPORATOR COIL MODEL NO		**G2FD060(S,H)24**								
AIR TEMP. ENTERING OUTDOOR UNIT	**AIR TEMP. ENTERING INDOOR COIL**	ID CFM								
		1700			1850			2000		
		MBTUH	K.W.	C.O.P.	MBTUH	K.W.	C.O.P.	MBTUH	K.W.	C.O.P.
60	60	69.2	4.90	4.19	69.8	4.81	4.31	70.5	4.72	4.43
	70	67.4	5.27	3.80	68.7	5.18	3.93	69.9	5.10	4.07
	80	65.7	5.73	3.40	67.5	5.64	3.55	69.2	5.55	3.70
47	60	61.4	4.72	3.82	62.8	4.70	3.92	64.2	4.68	4.02
	70	58.8	5.06	3.41	60.0	5.03	3.50	61.2	5.00	3.59
	80	56.1	5.49	3.00	57.1	5.45	3.07	58.1	5.41	3.15
40	60	58.8	4.69	3.66	59.4	4.68	3.71	60.1	4.67	3.76
	70	55.1	4.99	3.23	55.3	4.95	3.27	55.4	4.91	3.30
	80	51.5	5.37	2.80	51.1	5.30	2.82	50.7	5.24	2.84
30	60	50.0	4.51	3.23	51.0	4.50	3.31	52.0	4.48	3.39
	70	48.6	4.88	2.90	48.7	4.84	2.93	48.7	4.80	2.96
	80	47.1	5.34	2.58	46.3	5.28	2.56	45.4	5.22	2.54
17	60	40.1	4.32	2.72	40.9	4.33	2.77	41.7	4.33	2.82
	70	39.4	4.70	2.46	40.0	4.69	2.50	40.6	4.68	2.54
	80	38.7	5.16	2.20	39.1	5.15	2.23	39.6	5.13	2.26
10	60	36.8	4.24	2.57	37.4	4.26	2.60	38.1	4.28	2.63
	70	34.9	4.60	2.24	35.3	4.61	2.27	35.8	4.63	2.29
	80	33.0	5.07	1.92	33.2	5.08	1.93	33.5	5.09	1.95
NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT AT 1250 BTUH/1000 CFM.										

Multipliers for determining the performance with other indoor sections.

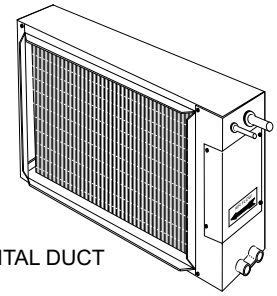
Air Handler	Coil	T.C.	S.C.	KW
F2FP060		1.00	1.03	0.97
F2FV060		1.00	1.17	0.86
	G2FD061H24	1.03	1.00	1.03

MATCHING INDOOR COMPONENTS

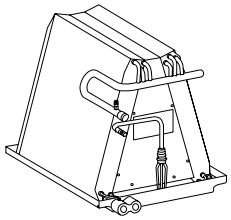
ADD-ON COILS - FOR FURNACE APPLICATIONS



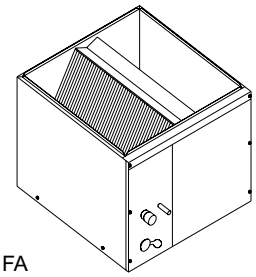
G1UA
1/2 CASED
UPFLOW



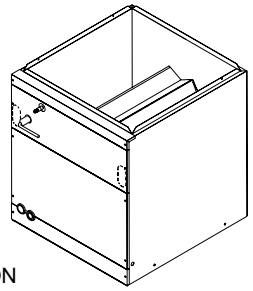
G1HD
HORIZONTAL DUCT



G1NA
UNCASED
UPFLOW



G1FA
FULL CASED
UPFLOW

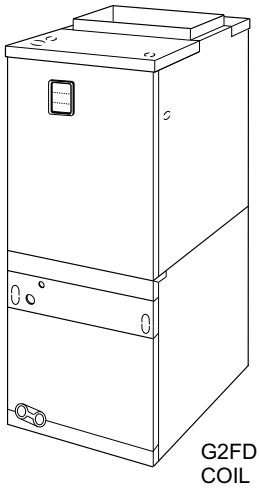


G2FD*
MULTI-POSITION
(UPFLOW, HORIZONTAL
AND DOWNFLOW)

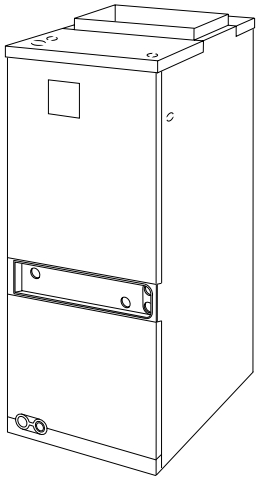
* Available with factory installed horizontal drain pan.

AIR HANDLERS - FOR NON-FURNACE APPLICATIONS

N1AH OR N1VS
MODULAR BLOWER
(UPFLOW, HORIZONTAL
AND DOWNFLOW)



G2FD
COIL



F2RC / F2FC OR
F2RC / F2FP
FAN COIL UNITS
(UPFLOW, HORIZONTAL)

036-21031-004 Rev. A (0603)
Supersedes: 036-21031-003 Rev. A (0403)