

### HIGH EFFICIENCY 16 SEER HEAT PUMP ENVIRONMENTALLY BALANCED R-410A REFRIGERANT 1½ THRU 5 TONS SPLIT SYSTEM 208 / 230 Volt, 1-phase, 60 Hz

#### REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Suction line accumulator factory installed
- Bi-flow filter-drier included for field installation
- Integrated solid state control with Time-Temperature Defrost
- High and Low pressure switches
- Copper tube / aluminum fin coil

#### EASY TO INSTALL AND SERVICE

- Easy access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

#### BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- Coated inlet grille with 3/8" (10mm) grille spacing for extra protection

#### LIMITED WARRANTY\*

- 5 year compressor limited warranty
- 5 year parts limited warranty (including compressor and coil)
  - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)

\* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to [www.ahridirectory.org](http://www.ahridirectory.org).

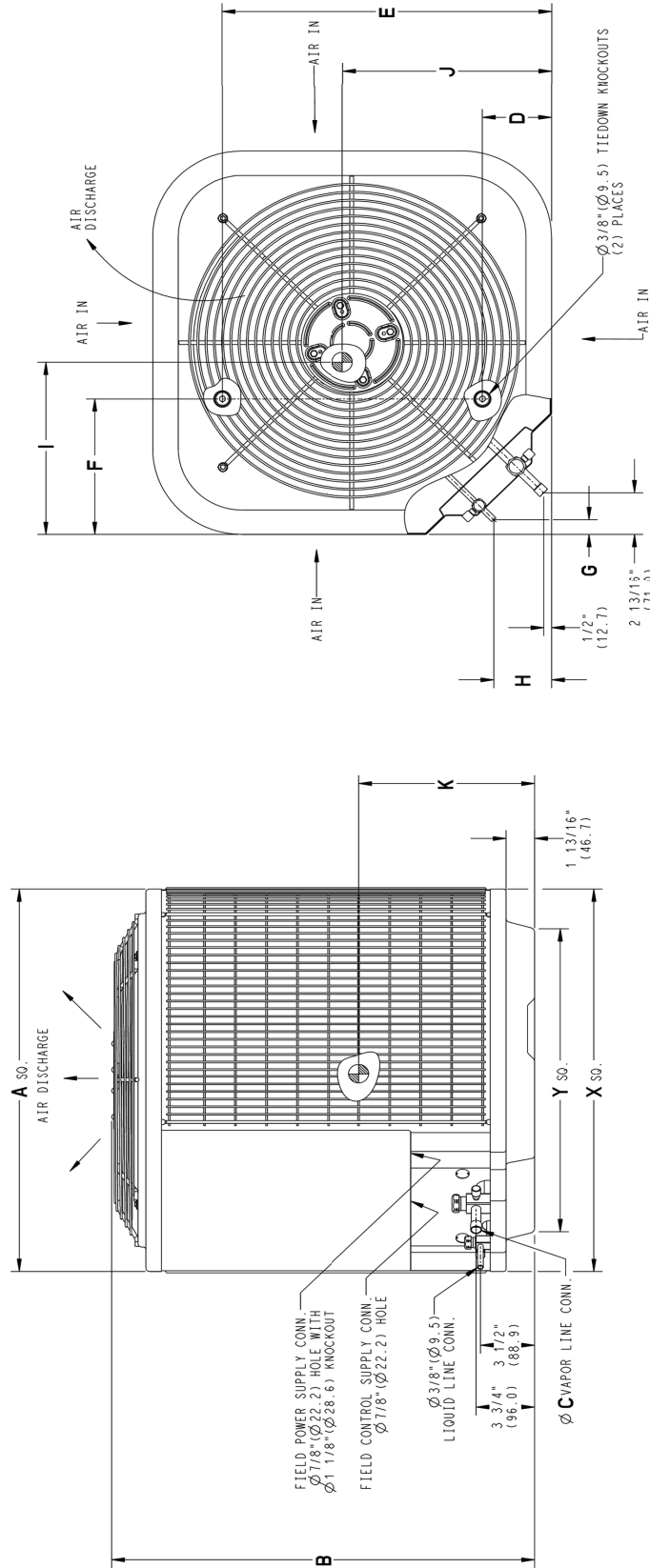
Model Number	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth inches (mm)	Ship / Operating Weight lbs. (kg)
NXH618GKA	1- 1/2	18,000	13.6	20	35- 1/2 x 31- 3/16 x 31- 3/16 (901 x 793 x 793)	199 / 167 (90 / 76)
NXH624GKA	2	24,000	15.5	25	32- 1/16 x 35 x 35 (815 x 889 x 889)	210 / 172 (95 / 78)
NXH630GKA	2- 1/2	30,000	19.9	30	32- 1/16 x 35 x 35 (815 x 889 x 889)	245 / 207 (111 / 94)
NXH636GKA	3	36,000	21.6	35	32- 1/16 x 35 x 35 (815 x 889 x 889)	253 / 215 (115 / 98)
NXH642GKA	3- 1/2	42,000	27.8	40	32- 1/16 x 35 x 35 (815 x 889 x 889)	271 / 233 (123 / 106)
NXH648GKA	4	48,000	31.8	45	32- 1/16 x 35 x 35 (815 x 889 x 889)	276 / 238 (125 / 108)
NXH660GKA	5	60,000	33.9	50	45- 11/16 x 35 x 35 (1161 x 889 x 889)	334 / 288 (152 / 131)

<b>OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE (single phase)</b>											
Digit Position:	1	2	3	4	5, 6	7	8	9	10	11	12
Example Part Number:	<b>N</b>	<b>X</b>	<b>H</b>	<b>6</b>	<b>18</b>	<b>G</b>	<b>K</b>	<b>A</b>	<b>1</b>	<b>0</b>	<b>0</b>
C = Comfortmaker Mainline											
N = Comfortmaker Entry <b>BRANDING</b>											
X = R-410A <b>REFRIGERANT</b>											
A = Air Conditioner											
H = Heat Pump <b>TYPE</b>											
6 = 16 SEER <b>NOMINAL EFFICIENCY</b>											
18 = 18,000 BTUH = 1- 1/2 tons											
24 = 24,000 BTUH = 2 tons											
30 = 30,000 BTUH = 2- 1/2 tons											
36 = 36,000 BTUH = 3 tons											
42 = 42,000 BTUH = 3- 1/2 tons											
48 = 48,000 BTUH = 4 tons											
60 = 60,000 BTUH = 5 tons <b>NOMINAL CAPACITY</b>											
A = Standard Grille											
G = Coil Guard Grille											
C = Coastal <b>FEATURES</b>											
K = 208/230- 1- 60 <b>VOLTAGE</b>											
Sales Code											
Engineering Revision											
Extra Digit											
Extra Digit											

<b>ACCESSORIES PART NUMBER IDENTIFICATION GUIDE</b>									
Digit Position:	1	2	3	4	5	6, 7	8, 9	10, 11	
Example Part Number:	<b>N</b>	<b>A</b>	<b>S</b>	<b>A</b>	<b>0</b>	<b>01</b>	<b>01</b>	<b>CH</b>	
N = Non- Branded <b>BRANDING</b>									
A = Accessory <b>PRODUCT GROUP</b>									
S = Split System (AC & HP) <b>KIT USAGE</b>									
A = Original									
B = 2nd Generation <b>MAJOR SERIES</b>									
0 = Generic or Not Applicable									
4 = R-410A <b>REFRIGERANT</b>									
Product Identifier Number									
Package Quantity									
Type of Kit(Example: CH = Crankcase Heater)									

UNIT	SERIES	ELECTRICAL CHARACTERISTICS	A		B		C		D		E		F		G		H		I		J		K		OPERATING WEIGHT		SHIPPING WEIGHT (Sg.)		SHIPPING LENGTH / WIDTH		SHIPPING HEIGHT											
			INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	LBS	KGS	LBS	KGS	INCH	MM	INCH	MM								
NXH618GKA101	1	N N N	31	792.5	35	1/2	901.4	5/8	15.9	6	9/16	166.1	24	11/16	626.3	9	1/8	231.3	1	1/8	28.2	3	13/16	97.4	15	3/4	400.1	16	406.4	16	1/4	412.8	167	75.7	199	90.3	33	9/16	846.6	40	1015.8	
NXH624GKA101	1	N N N	35	889.0	32	1/16	815.1	5/8	15.9	6	9/16	166.1	28	7/16	722.8	9	1/8	231.3	1	1/8	28.2	3	13/16	97.4	17	1/2	444.5	17	7/8	454.0	15	5/8	396.9	172	78.0	210	96.3	37	1/8	943.1	36	929.5
NXH630GKA101	1	N N N	35	889.0	32	1/16	815.1	3/4	19.1	6	9/16	166.1	28	7/16	722.8	9	1/8	231.3	1	1/8	28.2	3	13/16	97.4	17	1/4	438.2	16	7/8	428.6	15	3/4	400.1	207	93.9	245	111.1	37	1/8	943.1	36	929.5
NXH636GKA101	1	N N N	35	889.0	32	1/16	815.1	3/4	19.1	6	9/16	166.1	28	7/16	722.8	9	1/8	231.3	1	1/8	28.2	3	13/16	97.4	17	3/8	441.3	17	1/2	444.5	13	3/4	349.3	215	97.5	253	114.8	37	1/8	943.1	36	929.5
NXH642GKA101	1	N N N	35	889.0	32	1/16	815.1	7/8	22.2	6	9/16	166.1	28	7/16	722.8	9	1/8	231.3	1	1/8	28.2	3	13/16	97.4	16	1/4	412.8	17	7/8	454.0	15	7/8	403.2	233	105.7	271	122.9	37	1/8	943.1	36	929.5
NXH648GKA101	1	N N N	35	889.0	32	1/16	815.1	7/8	22.2	6	9/16	166.1	28	7/16	722.8	9	1/8	231.3	1	1/8	28.2	3	13/16	97.4	16	1/8	409.6	18	457.2	14	7/8	377.8	238	108.0	276	125.2	37	1/8	943.1	36	929.5	
NXH660GKA101	1	N N N	35	889.0	45	11/16	1160.5	7/8	22.2	6	9/16	166.1	28	7/16	722.8	9	1/8	231.3	1	1/8	28.2	3	13/16	97.4	17	7/8	454.0	16	1/4	412.8	19	482.6	288	130.6	334	151.5	37	1/8	943.1	50	316	1274.9

Y=	YES
N=	NO
208-230-1-60	460-3-60
208-230-3-60	575-3-60



UNIT SIZE	"X" MINIMUM GROUND MOUNTING PAD APPLICATION DIMENSIONS		"Y" MINIMUM ROOF-TOP MOUNTING PAD APPLICATION DIMENSIONS			
	INCH	MM	INCH	MM		
18	23	1/8	587.3	17	7/8	454.6
24,30,36,42,48,60	31	3/16	792.5	22	15/16	583.2
	35		889.0	26	3/4	679.7

NOTE: ALL DIMENSIONS IN INCH (MM) U.S. ECCN: Not Subject to Regulation (N.S.R.)

35462-4-NXH6-Dimensions REV

PHYSICAL DATA							
Model Size	18	24	30	36	42	48	60
Nominal Cooling Capacity (BTU/hr)	18,000	24,000	30,000	36,000	42,000	48,000	60,000
Nominal SEER	16.0	16.0	16.0	16.0	16.0	16.0	16.0
<b>Compressor Type</b>	Scroll						
<b>REFRIGERANT</b>	(R-410A)						
Control	TXV (R-410A Hard Shutoff)						
Charge (lb)	7.0	7.6	9.75	11.2	9.92	9.87	13.0
<b>COND FAN</b>	Propeller Type, Direct Drive						
Air Discharge	Vertical						
Air Qty (CFM)	2233	3223	3223	3223	3770	4046	4400
Motor HP	1/12	1/12	1/12	1/12	1/3	1/4	1/3
Motor RPM	810	810	810	810	700	810	767
<b>COND COIL</b>							
Face Area (Sq ft)	19.30	20.10	20.10	20.10	20.10	20.10	35.47
Fins per In.	20	20	20	20	20	20	20
Rows	1	1	2	2	2	2	2
Circuits	5	5	6	8	8	8	12
<b>VALVE CONNECT. (In. ID)</b>							
Vapor	5/8		3/4		7/8		7/8
Liquid	3/8						
<b>REFRIGERANT TUBES* (In. OD)</b>							
Vapor (0- 80 Ft Tube Length)	5/8		3/4		7/8		1 1/8
Liquid (0- 80 Ft Tube Length)	3/8						

\*Units are rated with 25 ft (7.6 m) of lineset length. See Vapor Line Sizing and Cooling Capacity Loss table when using other sizes and lengths of lineset.

**Note:** See unit Installation Instruction for proper installation.

ELECTRICAL DATA (208/230- 1- 60, voltage range 197V - 253V)												
UNIT SIZE	V/PH	OPER VOLTS*		COMPR		FAN	MCA	MIN WIRE SIZE †	MIN WIRE SIZE †	MAX LENGTH FT (M) ††	MAX LENGTH FT (M) ††	MAX FUSE** or CKT BRK AMPS
		MAX	MIN	LRA	RLA	FLA		60° C	75° C	60° C	75° C	
18	208/230/1	253	197	56.3	10.5	0.5	13.6	14	14	58 (18)	55 (17)	20
24				62.9	11.9	0.6	15.5	14	14	51 (15)	48 (15)	25
30				72.5	15.4	0.6	19.9	14	14	40 (12)	38 (11)	30
36				75.0	16.8	0.6	21.6	12	12	58 (18)	55 (17)	35
42				123.9	20.0	2.8	27.8	10	10	72 (22)	68 (21)	40
48				130.0	24.4	1.3	31.8	8	10	98 (30)	60 (18)	45
60				152.5	24.9	2.8	33.9	8	10	92 (28)	56 (17)	50

\* Permissible limits of the voltage range at which the unit will operate satisfactorily

† If wire is applied at ambient greater than 30°C, consult table 310- 16 of the NEC (NFPA 70). The ampacity of non-metallic-sheathed cable (NM), trade name ROMEX, shall be that of 60°C conditions, per the NEC (NFPA 70) Article 336- 26. If other than uncoated (no-plated), 60 or 75°C insulation, copper wire (solid wire for 10 AWG or smaller, stranded wire for larger than 10 AWG) is used, consult applicable tables of the NEC (NFPA 70).

‡ Length shown is as measured 1 way along wire path between unit and service panel for voltage drop not to exceed 2%.

\*\* Time- Delay fuse.

**FLA** - Full Load Amps

**LRA** - Locked Rotor Amps

**MCA** - Minimum Circuit Amps

**RLA** - Rated Load Amps

**NOTE:** Control circuit is 24- V on all units and requires external power source. Copper wire must be used from service disconnect to unit.

All motors/compressors contain internal overload protection.

Complies with 2010 requirements of ASHRAE Standards 90.1

A-WEIGHTED SOUND LEVEL								
Unit Size	Standard Rating (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dB without tone adjustment)						
		125	250	500	1000	2000	4000	8000
18	68	66.2	63.8	64.1	64.6	59.9	57.7	53.6
24	72	63.4	63.3	63.3	70.4	64.5	59.3	55.5
30	72	65.0	65.0	66.0	69.0	65.0	62.0	59.0
36	72	67.7	66.8	68.1	69.9	62.8	60.3	55.2
42	68	63.9	64.1	65.0	64.9	58.2	57.3	56.7
48	73	67.5	67.8	70.1	70.6	63.1	58.5	53.3
60	70	61.7	65.6	68.1	65.8	59.8	58.4	56.1

NOTE: Tested in accordance with AHRI Standard 270- 08 (not listed in AHRI).

A-WEIGHTED SOUND LEVEL WITH ACCESSORY SOUND SHIELD								
Unit Size	Standard Rating (dBA)	TYPICAL OCTAVE BAND SPECTRUM (dB without tone adjustment)						
		125	250	500	1000	2000	4000	8000
18	67	66.2	63.9	63.8	62.3	58.4	56.4	50.3
24	71	65.0	63.7	63.4	68.5	64.7	58.7	52.8
30	70	67.1	66.3	66.6	66.9	62.9	58.1	53.0
36	71	68.2	66.4	67.5	68.4	59.6	58.2	52.4
42	68	63.0	64.2	66.3	63.5	57.1	55.4	55.8
48	71	68.4	67.7	69.7	67.6	59.4	56.4	50.0
60	69	63.7	65.4	67.3	64.9	58.3	56.2	51.9

NOTE: Tested in accordance with AHRI Standard 270- 08 (not listed in AHRI).

### VAPOR LINE SIZING AND COOLING CAPACITY LOSS

Acceptable vapor line diameters provide adequate oil return to the compressor while avoiding excessive capacity loss. The suction line diameters shown in the chart below are acceptable for HP systems with R- 410A refrigerant:

R- 410A COOLING CAPACITY LOSS FOR VARIOUS LINE LENGTHS & TUBE DIAMETERS															
Model Size	Liquid Line in.(mm)	Acceptable Vapor Line Sizes in. (mm)	Cooling Capacity Loss (%) at Total Equivalent Line Length, feet (m) Refer to Long Line Application Guideline to calculate equivalent length												
			Standard Application			Long Line Application (Requires Accessories)									
			25' (7.6)	50' (15.2)	80' (24.4)	81' (24.7)	100' (30.5)	125' (38.1)	150' (45.7)	175' (53.3)	200' (61)	225' (68.6)	250' (76.2)		
18	3/8 (10)	1/2 (13)	1	2	3	3	4	6	7	8	9	10	12		
		5/8 (16)	0	0	1	1	1	1	2	2	3	3	3		
24		5/8 (16)	0	1	1	1	2	3	3	4	4	5	6		
		3/4 (19)	0	0	0	0	0	1	1	1	1	1	2		
30		5/8 (16)	1	2	3	3	3	4	5	6	7	8	9		
		3/4 (19)	0	0	1	1	1	1	2	2	2	3	3		
		7/8 (22)	0	0	0	0	0	1	1	1	1	1	1		
36		5/8 (16)	1	2	4	4	5	6	7	9	10	11	13		
		3/4 (19)	0	0	1	1	1	2	2	3	3	4	4		
		7/8 (22)	0	0	0	0	0	1	1	1	1	2	2		
42		3/4 (19)	0	1	2	2	2	3	4	4	5	6	6		
		7/8 (22)	0	0	1	1	1	1	2	2	2	3	3		
48		3/4 (19)	0	1	2	2	3	4	5	5	6	7	8		
		7/8 (22)	0	0	1	1	1	2	2	2	3	3	4		
60	3/4 (19)	1	2	4	4	5	6	7	9	10	11	12			
	7/8 (22)	0	1	2	2	2	3	4	4	5	5	6			
	1- 1/8 (29)	0	0	0	0	1	1	1	1	1	1	2			

\* Applications are considered "Long Line" if the total equivalent tubing length exceeds 80 feet (24.4m) or there is more than 20 foot (6.1m) vertical separation between indoor and outdoor units. These applications require additional accessories and system modifications for reliable system operation.

Applications in this area may have height restrictions that limit allowable total equivalent length when outdoor unit is below indoor unit.

## REFRIGERANT PIPING LENGTH LIMITATIONS

### Maximum Line Lengths:

The maximum allowable total equivalent length for heat pumps varies depending on the vertical separation. See the tables below for allowable lengths depending on whether the outdoor unit is on the same level, above or below the indoor unit.

Maximum Line Lengths for Heat Pump Applications			
	MAXIMUM ACTUAL LENGTH ft (m)	MAXIMUM EQUIVALENT LENGTH† ft (m)	MAXIMUM VERTICAL SEPARATION ft (m)
Units on equal level	200 (61)	250 (76.2)	N/A
Outdoor unit ABOVE indoor unit	200 (61)	250 (76.2)	200 (61)
Outdoor unit BELOW indoor unit	See Table 'Maximum Total Equivalent Length: Outdoor Unit BELOW Indoor Unit'		

† Total equivalent length accounts for losses due to elbows or fitting. See the Long Line Guideline for details.

Maximum Total Equivalent Length‡ - Outdoor Unit BELOW Indoor Unit								
Unit Size	Liquid Line Diameter w/ TXV	HP with R-410A Refrigerant - Maximum Total Equivalent Length† Vertical Separation ft (m) Outdoor unit BELOW indoor unit;						
		0-20 (0 - 6.1)	21-30 (6.4 - 9.1)	31-40 (9.4 - 12.2)	41-50 (12.5 - 15.2)	51-60 (15.5 - 18.3)	61-70 (18.6 - 21.3)	71-80 (21.6 - 24.4)
18 HP with R-410A	3/8	250*	250*	250*	250*	250*	250*	250*
24 HP with R-410A	3/8	250*	250*	250*	250*	250*	250*	250*
30 HP with R-410A	3/8	250*	250*	250*	250*	250*	250*	250*
36 HP with R-410A	3/8	250*	250*	250*	250*	250*	250*	250*
42 HP with R-410A	3/8	250*	250*	250*	250*	250*	250*	150
48 HP with R-410A	3/8	250*	250*	250*	250*	230	160	--
60 HP with R-410A	3/8	250*	225*	190	150	110	--	--

\* Maximum actual length not to exceed 200 ft (61 m)

† Total equivalent length accounts for losses due to elbows or fitting. See the Long Line Guideline for details.

-- = outside acceptable range

## LONG LINE APPLICATIONS

An application is considered Long Line when the refrigerant level in the system requires the use of accessories to maintain acceptable refrigerant management for systems reliability. Defining a system as long line depends on the liquid line diameter, actual length of the tubing, and vertical separation between the indoor and outdoor units.

For Heat Pump systems, the chart below shows when an application is considered Long Line. Beyond these lengths, long line accessories are required:

HP WITH R-410A REFRIGERANT LONG LINE DESCRIPTION ft (m) Beyond these lengths, long line accessories are required			
Liquid Line Size	Units On Same Level	Outdoor Below Indoor	Outdoor Above Indoor
3/8	80 (24.4)	20 (6.1) vertical or 80 (24.4) total	80 (24.4)

Note: See Long Line Guideline for details

CHARGING SUBCOOLING (TXV- TYPE EXPANSION DEVICE)	
UNIT SIZE	REQUIRED SUBCOOLING °F (°C)
18	8 (4.44)
24	7 (3.89)
30	7 (3.89)
36	10 (5.56)
42	9 (5.00)
48	9 (5.00)
60	7 (3.89)

**SIZE 18 EXPANDED DATA**

		018 Size Outdoor With FXM4X18**AL Indoor Cooling																																								
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																																								
		85					95					105					115																									
CFM		Entering Indoor Temperature - Degrees F, Wet Bulb																																								
		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57																					
545	MBht	21.64	19.65	18.21	17.90	17.36	17.36	17.08	16.70	16.70	19.56	17.76	16.46	16.22	16.01	18.43	16.74	15.51	15.34	15.26	17.23	15.65	14.50	14.47	14.45																	
	S/T†	0.53	0.71	0.74	0.92	1.00	0.53	0.73	0.75	0.94	1.00	0.54	0.74	0.77	0.97	1.00	0.55	0.76	0.79	0.99	1.00	0.57	0.79	0.81	0.81	1.00																
	AMPS*	4.29	4.34	4.37	4.38	4.39	5.07	5.11	5.15	5.15	5.16	5.96	5.99	6.02	6.03	6.03	6.97	7.01	7.04	7.04	7.04	8.15	8.19	8.22	8.22	8.22																
	HI PR	267	264	262	261	260	308	305	302	302	301	353	350	347	346	346	403	399	396	396	396	456	453	450	450	450																
	LO PR	155	142	132	130	126	157	144	134	132	129	160	146	136	134	133	162	148	138	137	137	165	151	141	141	141																
600	MBht	21.94	19.95	18.50	18.24	17.92	20.90	19.00	17.62	17.40	17.22	19.80	18.00	16.70	16.56	16.49	18.65	16.95	15.72	15.72	15.70	17.41	15.83	14.69	14.87	14.85																
	S/T†	0.54	0.74	0.76	0.96	1.00	0.55	0.75	0.78	0.98	1.00	0.56	0.77	0.80	0.99	1.00	0.57	0.79	0.82	1.00	1.00	0.58	0.82	0.85	1.00	1.00																
	AMPS*	4.32	4.36	4.40	4.40	4.41	5.10	5.14	5.17	5.17	5.18	5.98	6.02	6.05	6.05	6.05	7.00	7.04	7.07	7.06	7.07	8.18	8.22	8.25	8.24	8.24																
	HI PR	268	265	262	262	261	309	305	303	302	302	354	350	347	347	347	403	399	397	397	397	457	453	450	451	451																
	LO PR	157	144	134	132	130	160	146	136	135	133	162	148	138	137	137	164	151	140	141	140	167	153	143	145	145																
675	MBht	22.28	20.28	18.83	18.66	18.57	21.21	19.30	17.91	17.85	17.83	20.07	18.26	16.96	17.08	17.05	18.88	17.18	15.96	16.24	16.22	17.60	16.04	14.88	15.34	15.32																
	S/T†	0.55	0.77	0.79	0.99	1.00	0.56	0.79	0.81	1.00	1.00	0.58	0.81	0.83	1.00	1.00	0.59	0.83	0.86	1.00	1.00	0.61	0.86	0.89	1.00	1.00																
	AMPS*	4.35	4.39	4.43	4.43	4.43	5.13	5.17	5.20	5.20	5.20	6.02	6.06	6.09	6.08	6.08	7.04	7.08	7.11	7.10	7.10	8.22	8.26	8.30	8.27	8.28																
	HI PR	268	265	263	263	263	309	306	303	303	303	354	351	348	348	348	404	400	397	398	398	457	454	451	452	452																
	LO PR	160	147	136	136	135	162	149	138	138	138	164	151	140	142	142	167	153	142	145	145	169	155	145	149	149																
675			-3					7					17					27					37					47					57					67				
	CFM		65	70	75	80	85	65	70	75	80	85	65	70	75	80	85	65	70	75	80	85	65	70	75	80	85	65	70	75	80	85	65	70	75	80	85					
545	MBht	7.22	7.13	7.03	8.94	8.77	8.68	11.02	10.89	10.66	13.20	13.04	12.88	15.53	15.34	15.15	17.98	21.26	20.92	20.52	20.27	20.02	23.13	22.77	22.51																	
	T/R	13.80	13.60	13.30	17.00	16.70	16.50	21.00	20.70	20.20	25.10	24.80	24.40	29.60	29.10	28.70	34.20	40.40	39.60	39.00	38.50	37.90	44.00	43.20	42.60																	
	AMPS*	4.66	4.87	5.11	4.88	5.10	5.36	5.05	5.30	5.61	5.21	5.47	5.75	5.41	5.68	5.97	5.62	7.14	7.49	5.84	6.14	6.45	6.04	6.37	6.69																	
	HI PR	266	284	304	280	298	318	291	311	335	304	324	345	320	340	361	338	453	476	358	379	401	378	400	422																	
	LO PR	36	36	36	48	48	48	63	63	62	78	78	78	95	95	95	113	133	133	134	134	135	158	157	158																	
600	MBht	7.23	7.14	7.05	10.32	10.19	10.06	10.92	10.80	10.67	13.22	13.05	12.89	15.55	15.36	15.17	18.01	17.80	17.58	20.58	20.33	20.08	23.29	22.88	22.60																	
	T/R	12.50	12.30	12.20	17.90	17.60	17.30	18.90	18.60	18.40	22.90	22.50	22.20	26.90	26.50	26.10	31.10	30.70	30.20	35.50	35.00	34.50	40.20	39.40	38.80																	
	AMPS*	4.64	4.86	5.09	5.53	5.82	6.14	5.04	5.29	5.56	5.15	5.41	5.68	5.32	5.59	5.87	5.51	5.78	6.08	5.70	5.99	6.29	5.85	6.19	6.50																	
	HI PR	262	281	301	331	354	378	288	308	329	296	316	337	311	331	352	327	348	369	345	366	388	363	385	407																	
	LO PR	36	36	36	57	57	57	62	62	62	78	78	78	95	95	95	113	113	114	133	134	134	160	157	157																	
675	MBht	7.28	7.17	7.07	8.98	8.84	8.73	10.98	10.83	10.69	13.18	13.04	12.88	15.56	15.38	15.19	18.06	17.84	17.61	20.66	20.40	20.14	23.30	23.00	22.69																	
	T/R	11.20	11.00	10.80	13.80	13.60	13.40	16.90	16.60	16.40	20.30	20.00	19.70	23.90	23.60	23.20	27.70	27.30	26.90	31.70	31.30	30.80	35.80	35.20	34.70																	
	AMPS*	4.64	4.85	5.09	4.83	5.06	5.30	4.99	5.24	5.52	5.10	5.35	5.62	5.23	5.50	5.78	5.39	5.66	5.95	5.55	5.83	6.13	5.70	6.00	6.31																	
	HI PR	259	277	297	270	289	309	281	301	323	290	309	330	301	321	342	316	336	357	332	352	373	348	369	390																	
	LO PR	36	36	36	48	48	48	62	62	62	77	78	78	94	95	95	113	113	114	133	134	134	156	156	157																	

See table Notes at end of section

**SIZE 24 EXPANDED DATA**

		024 Size Outdoor With FXMAX24**AL Indoor Cooling																								
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																								
		75			85			95			105			115												
CFM		Entering Indoor Temperature - Degrees F, Wet Bulb																								
		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57					
700	MBht	28.14	25.57	23.72	23.33	22.69	26.53	24.12	22.36	22.02	21.60	24.88	22.62	20.97	20.70	20.47	23.19	21.06	19.54	19.48	19.29	21.40	19.44	18.02	18.07	18.04
	S/T†	0.52	0.71	0.74	0.92	1.00	0.53	0.72	0.75	0.94	1.00	0.54	0.74	0.77	0.96	1.00	0.55	0.76	0.79	0.96	1.00	0.56	0.79	0.81	1.00	1.00
	AMPS*	5.67	5.72	5.75	5.76	5.77	6.55	6.60	6.63	6.64	6.65	7.57	7.62	7.66	7.66	7.67	8.77	8.82	8.86	8.85	8.86	10.16	10.20	10.24	10.24	10.24
	HI PR	261	259	257	256	256	302	299	297	296	296	346	343	341	341	340	395	392	389	389	389	449	445	442	442	442
	LO PR	152	139	129	128	125	155	142	132	130	128	157	144	134	133	131	160	146	136	136	135	163	149	139	140	139
800	MBht	28.65	26.07	24.19	23.91	23.64	26.99	24.55	22.79	22.58	22.47	25.29	23.00	21.35	21.30	21.27	23.52	21.39	19.85	20.04	20.01	21.68	19.72	18.31	18.71	18.69
	S/T†	0.54	0.74	0.77	0.96	1.00	0.55	0.76	0.78	0.99	1.00	0.56	0.78	0.80	1.00	1.00	0.57	0.80	0.83	1.00	1.00	0.58	0.83	0.85	1.00	1.00
	AMPS*	5.73	5.78	5.82	5.82	5.83	6.61	6.66	6.70	6.70	6.71	7.64	7.69	7.73	7.73	7.73	8.84	8.89	8.93	8.92	8.92	10.23	10.28	10.31	10.30	10.30
	HI PR	262	259	257	257	257	302	300	297	297	297	347	344	342	342	342	396	392	390	390	390	449	446	443	444	444
	LO PR	156	142	132	131	130	158	144	134	134	133	160	147	137	137	137	163	149	139	141	140	165	152	141	145	145
900	MBht	29.05	26.44	24.56	24.64	24.42	27.34	24.88	23.12	23.23	23.20	25.58	23.28	21.63	21.96	21.93	23.77	21.65	20.10	20.63	20.61	21.88	19.94	18.53	19.24	19.21
	S/T†	0.56	0.78	0.80	0.96	1.00	0.57	0.79	0.82	1.00	1.00	0.58	0.82	0.84	1.00	1.00	0.59	0.84	0.86	1.00	1.00	0.61	0.87	0.89	1.00	1.00
	AMPS*	5.79	5.84	5.88	5.88	5.88	6.68	6.73	6.77	6.76	6.76	7.71	7.76	7.80	7.79	7.79	8.91	8.96	9.00	8.98	8.99	10.30	10.35	10.39	10.37	10.37
	HI PR	262	260	258	258	258	303	300	298	298	298	348	344	342	343	343	396	393	390	391	391	450	446	443	445	445
	LO PR	158	145	135	136	134	160	147	137	138	138	162	149	139	141	141	165	151	141	145	145	167	154	143	149	149

		024 Size Outdoor With FXMAX24**AL Indoor Heating																							
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																							
		-3			7			17			27			37			47			57			67		
CFM		Entering Indoor Temperature - Degrees F, Wet Bulb																							
		65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75
700	MBht	9.86	9.76	9.69	11.94	11.83	11.73	14.31	14.17	14.03	16.97	16.79	16.62	19.88	19.66	19.45	22.97	22.72	22.46	26.19	25.89	25.59	29.44	29.11	28.76
	T/R	14.70	14.50	14.40	17.70	17.50	17.30	21.10	20.90	20.60	24.90	24.60	24.30	29.10	28.70	28.40	33.50	33.10	32.60	38.10	37.60	37.00	42.60	42.10	41.50
	AMPS*	6.39	6.73	7.07	6.51	6.86	7.22	6.68	7.03	7.41	6.86	7.23	7.61	7.06	7.43	7.83	7.26	7.65	8.05	7.47	7.86	8.28	7.67	8.07	8.49
	HI PR	265	285	303	275	295	314	288	308	328	303	323	344	320	341	362	339	359	381	358	379	401	379	400	422
	LO PR	39	39	39	50	50	50	63	63	64	78	78	78	95	95	95	113	114	114	134	134	135	157	158	159
800	MBht	9.90	9.80	9.73	11.98	11.86	11.75	14.35	14.20	14.06	17.01	16.83	16.65	19.94	19.71	19.50	23.06	22.80	22.54	26.33	26.02	25.72	29.67	29.32	28.96
	T/R	12.90	12.70	12.60	15.50	15.30	15.20	18.50	18.30	18.10	21.90	21.60	21.30	25.50	25.20	24.90	29.40	29.00	28.60	33.50	33.00	32.60	37.60	37.10	36.50
	AMPS*	6.37	6.71	7.05	6.47	6.82	7.18	6.61	6.96	7.33	6.76	7.11	7.49	6.91	7.28	7.67	7.07	7.45	7.85	7.23	7.62	8.02	7.38	7.77	8.18
	HI PR	260	280	298	269	288	308	281	300	320	294	313	334	308	328	349	324	345	366	342	362	384	360	381	402
	LO PR	39	39	39	50	50	50	63	63	64	78	78	78	95	95	95	113	113	114	134	134	135	157	158	158
900	MBht	9.94	9.83	9.76	12.02	11.89	11.79	14.39	14.23	14.09	17.06	16.87	16.69	19.99	19.77	19.55	23.15	22.88	22.61	26.46	26.15	25.84	29.86	29.50	29.13
	T/R	11.50	11.40	11.20	13.80	13.70	13.50	16.50	16.30	16.10	19.50	19.20	19.00	22.80	22.50	22.20	26.30	25.90	25.50	29.90	29.50	29.10	33.60	33.20	32.70
	AMPS*	6.38	6.71	7.05	6.46	6.80	7.16	6.57	6.92	7.28	6.69	7.05	7.42	6.82	7.18	7.56	6.95	7.31	7.70	7.07	7.45	7.84	7.18	7.56	7.96
	HI PR	257	276	294	264	283	303	274	294	314	286	306	326	299	319	340	313	334	355	329	349	371	345	366	387
	LO PR	39	39	39	50	50	50	63	63	64	78	78	78	94	95	95	113	113	114	134	134	134	157	157	158

See table Notes at end of section



**SIZE 30 EXPANDED DATA**

		030 Size Outdoor With FXM4X36**AL Indoor Cooling																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		85					95					105					115																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
CFM		Entering Indoor Temperature - Degrees F, Wet Bulb																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
<b>875</b>	MBht	34.74	31.56	29.27	28.78	27.94	33.09	30.07	27.89	27.46	26.87	31.33	28.48	26.43	26.07	25.74	29.42	26.78	24.87	24.61	24.51	27.35	24.93	23.18	23.19	23.15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	S/T†	0.53	0.72	0.74	0.93	1.00	0.54	0.73	0.76	0.95	1.00	0.55	0.75	0.78	0.98	1.00	0.56	0.77	0.80	0.99	1.00	0.57	0.80	0.82	1.00	1.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	AMPS*	7.76	7.75	7.75	7.75	7.75	8.62	8.62	8.62	8.62	8.62	9.58	9.59	9.59	9.59	9.59	10.67	10.68	10.69	10.69	10.69	11.93	11.94	11.94	11.94	11.94																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	HI PR	259	256	254	253	253	300	297	294	294	293	344	341	338	338	337	393	389	386	386	386	446	442	439	439	439																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	LO PR	154	141	131	129	126	157	143	133	132	129	159	146	135	134	133	162	148	138	137	136	165	151	140	141	141																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<b>975</b>	MBht	35.24	32.04	29.72	29.32	28.87	33.54	30.49	28.30	27.97	27.74	31.70	28.85	26.78	26.69	26.53	29.73	27.08	25.17	25.26	25.23	27.59	25.18	23.44	23.81	23.78																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	S/T†	0.54	0.74	0.77	0.97	1.00	0.55	0.76	0.79	0.99	1.00	0.56	0.78	0.81	0.99	1.00	0.57	0.80	0.83	1.00	1.00	0.59	0.83	0.86	1.00	1.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	AMPS*	7.91	7.90	7.90	7.90	7.90	8.76	8.77	8.77	8.77	8.77	9.72	9.73	9.73	9.73	9.74	10.82	10.83	10.83	10.83	10.83	12.08	12.08	12.09	12.09	12.09																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	HI PR	260	257	254	254	254	301	297	295	294	294	345	341	339	339	338	394	390	387	387	387	447	443	440	441	440																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	LO PR	157	144	134	132	130	159	146	136	135	134	162	148	138	138	137	164	151	140	141	141	167	153	143	145	145																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
<b>1075</b>	MBht	35.72	32.48	30.16	29.89	29.73	33.95	30.89	28.69	28.59	28.55	32.06	29.20	27.13	27.33	27.28	30.04	27.34	25.48	25.93	25.90	27.84	25.45	23.70	24.41	24.39																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	S/T†	0.56	0.77	0.80	1.00	1.00	0.57	0.79	0.81	1.00	1.00	0.58	0.81	0.84	1.00	1.00	0.59	0.84	0.86	1.00	1.00	0.61	0.87	0.89	1.00	1.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	AMPS*	7.95	7.94	7.94	7.94	7.94	8.80	8.80	8.80	8.80	8.80	9.76	9.77	9.77	9.77	9.77	10.85	10.86	10.87	10.87	10.87	12.11	12.12	12.12	12.12	12.12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	HI PR	260	257	255	255	255	301	298	295	295	295	346	342	339	340	340	394	390	388	388	388	447	443	440	442	442																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	LO PR	159	146	136	135	134	161	148	138	138	137	164	150	140	141	141	166	153	142	145	145	169	155	144	149	149																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		-3	7	17	27	37	47	57	67	75	85	95	105	115	125	135	145	155	165	175	185	195	205	215	225	235	245	255	265	275	285	295	305	315	325	335	345	355	365	375	385	395	405	415	425	435	445	455	465	475	485	495	505	515	525	535	545	555	565	575	585	595	605	615	625	635	645	655	665	675	685	695	705	715	725	735	745	755	765	775	785	795	805	815	825	835	845	855	865	875	885	895	905	915	925	935	945	955	965	975	985	995	1005	1015	1025	1035	1045	1055	1065	1075	1085	1095	1105	1115	1125	1135	1145	1155	1165	1175	1185	1195	1205	1215	1225	1235	1245	1255	1265	1275	1285	1295	1305	1315	1325	1335	1345	1355	1365	1375	1385	1395	1405	1415	1425	1435	1445	1455	1465	1475	1485	1495	1505	1515	1525	1535	1545	1555	1565	1575	1585	1595	1605	1615	1625	1635	1645	1655	1665	1675	1685	1695	1705	1715	1725	1735	1745	1755	1765	1775	1785	1795	1805	1815	1825	1835	1845	1855	1865	1875	1885	1895	1905	1915	1925	1935	1945	1955	1965	1975	1985	1995	2005	2015	2025	2035	2045	2055	2065	2075	2085	2095	2105	2115	2125	2135	2145	2155	2165	2175	2185	2195	2205	2215	2225	2235	2245	2255	2265	2275	2285	2295	2305	2315	2325	2335	2345	2355	2365	2375	2385	2395	2405	2415	2425	2435	2445	2455	2465	2475	2485	2495	2505	2515	2525	2535	2545	2555	2565	2575	2585	2595	2605	2615	2625	2635	2645	2655	2665	2675	2685	2695	2705	2715	2725	2735	2745	2755	2765	2775	2785	2795	2805	2815	2825	2835	2845	2855	2865	2875	2885	2895	2905	2915	2925	2935	2945	2955	2965	2975	2985	2995	3005	3015	3025	3035	3045	3055	3065	3075	3085	3095	3105	3115	3125	3135	3145	3155	3165	3175	3185	3195	3205	3215	3225	3235	3245	3255	3265	3275	3285	3295	3305	3315	3325	3335	3345	3355	3365	3375	3385	3395	3405	3415	3425	3435	3445	3455	3465	3475	3485	3495	3505	3515	3525	3535	3545	3555	3565	3575	3585	3595	3605	3615	3625	3635	3645	3655	3665	3675	3685	3695	3705	3715	3725	3735	3745	3755	3765	3775	3785	3795	3805	3815	3825	3835	3845	3855	3865	3875	3885	3895	3905	3915	3925	3935	3945	3955	3965	3975	3985	3995	4005	4015	4025	4035	4045	4055	4065	4075	4085	4095	4105	4115	4125	4135	4145	4155	4165	4175	4185	4195	4205	4215	4225	4235	4245	4255	4265	4275	4285	4295	4305	4315	4325	4335	4345	4355	4365	4375	4385	4395	4405	4415	4425	4435	4445	4455	4465	4475	4485	4495	4505	4515	4525	4535	4545	4555	4565	4575	4585	4595	4605	4615	4625	4635	4645	4655	4665	4675	4685	4695	4705	4715	4725	4735	4745	4755	4765	4775	4785	4795	4805	4815	4825	4835	4845	4855	4865	4875	4885	4895	4905	4915	4925	4935	4945	4955	4965	4975	4985	4995	5005	5015	5025	5035	5045	5055	5065	5075	5085	5095	5105	5115	5125	5135	5145	5155	5165	5175	5185	5195	5205	5215	5225	5235	5245	5255	5265	5275	5285	5295	5305	5315	5325	5335	5345	5355	5365	5375	5385	5395	5405	5415	5425	5435	5445	5455	5465	5475	5485	5495	5505	5515	5525	5535	5545	5555	5565	5575	5585	5595	5605	5615	5625	5635	5645	5655	5665	5675	5685	5695	5705	5715	5725	5735	5745	5755	5765	5775	5785	5795	5805	5815	5825	5835	5845	5855	5865	5875	5885	5895	5905	5915	5925	5935	5945	5955	5965	5975	5985	5995	6005	6015	6025	6035	6045	6055	6065	6075	6085	6095	6105	6115	6125	6135	6145	6155	6165	6175	6185	6195	6205	6215	6225	6235	6245	6255	6265	6275	6285	6295	6305	6315	6325	6335	6345	6355	6365	6375	6385	6395	6405	6415	6425	6435	6445	6455	6465	6475	6485	6495	6505	6515	6525	6535	6545	6555	6565	6575	6585	6595	6605	6615	6625	6635	6645	6655	6665	6675	6685	6695	6705	6715	6725	6735	6745	6755	6765	6775	6785	6795	6805	6815	6825	6835	6845	6855	6865	6875	6885	6895	6905	6915	6925	6935	6945	6955	6965	6975	6985	6995	7005	7015	7025	7035	7045	7055	7065	7075	7085	7095	7105	7115	7125	7135	7145	7155	7165	7175	7185	7195	7205	7215	7225	7235	7245	7255	7265	7275	7285	7295	7305	7315	7325	7335	7345	7355	7365	7375	7385	7395	7405	7415	7425	7435	7445	7455	7465	7475	7485	7495	7505	7515	7525	7535	7545	7555	7565	7575	7585	7595	7605	7615	7625	7635	7645	7655	7665	7675	7685	7695	7705	7715	7725	7735	7745	7755	7765	7775	7785	7795	7805	7815	7825	7835	7845	7855	7865	7875	7885	7895	7905	7915	7925	7935	7945	7955	7965	7975	7985	7995	8005	8015	8025	8035	8045	8055	8065	8075	8085	8095	8105	8115	8125	8135	8145	8155	8165	8175	8185	8195	8205	8215	8225	8235	8245	8255	8265	8275	8285	8295	8305	8315	8325	8335	8345	8355	8365	8375	8385	8395	8405	8415	8425	8435	8445	8455	8465	8475	8485	8495	8505	8515	8525	8535	8545	8555	8565	8575	8585	8595	8605	8615	8625	8635	8645	8655	8665	8675	8685	8695	8705	8715	8725	8735	8745	8755	8765	8775	8785	8795	8805	8815	8825	8835	8845	8855	8865	8875	8885	8895	8905	8915	8925	8935	8945	8955	8965	8975	8985	8995	9005	9015	9025	9035	9045	9055	9065	9075	9085	9095	9105	9115	9125	9135	9145	9155	9165	9175	9185	9195	9205	9

**SIZE 36 EXPANDED DATA**

		036 Size Outdoor With FXM4X48**AL Indoor Cooling																								
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																								
		75			85			95			105			115												
CFM		Entering Indoor Temperature - Degrees F, Wet Bulb																								
		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57					
1050	MBht	42.58	38.21	35.13	34.44	33.22	40.39	36.25	33.34	32.73	31.88	38.17	34.27	31.53	31.00	30.52	35.86	32.22	29.66	29.26	29.08	33.42	30.04	27.68	27.57	27.53
	S/T†	0.53	0.72	0.75	0.94	1.00	0.54	0.74	0.77	0.97	1.00	0.55	0.76	0.79	0.99	1.00	0.56	0.78	0.81	1.02	1.00	0.57	0.80	0.83	1.00	1.00
	AMPS*	9.43	9.24	9.12	9.10	9.06	10.57	10.38	10.26	10.24	10.21	11.74	11.54	11.43	11.41	11.39	13.02	12.83	12.71	12.70	12.69	14.49	14.30	14.20	14.20	14.19
	HI PR	275	270	266	266	264	317	311	307	306	305	362	356	352	351	350	411	405	401	400	400	465	459	454	454	454
	LO PR	153	140	131	129	125	155	143	133	131	128	158	145	135	134	132	161	147	137	136	136	164	150	140	140	140
1200	MBht	43.63	39.14	36.00	35.41	34.81	41.32	37.08	34.11	33.64	33.36	38.97	35.00	32.21	31.94	31.88	36.54	32.84	30.25	30.38	30.33	33.99	30.58	28.18	28.69	28.66
	S/T†	0.55	0.76	0.78	0.99	1.00	0.56	0.77	0.80	1.01	1.00	0.57	0.80	0.82	1.00	1.00	0.58	0.82	0.85	1.00	1.00	0.60	0.85	0.88	1.00	1.00
	AMPS*	9.61	9.41	9.28	9.26	9.24	10.75	10.54	10.41	10.40	10.39	11.91	11.71	11.58	11.57	11.57	13.19	12.98	12.86	12.87	12.87	14.65	14.46	14.34	14.37	14.37
	HI PR	277	271	268	267	266	318	312	308	308	307	363	357	353	353	353	413	406	402	402	402	466	460	455	456	456
	LO PR	156	143	134	132	130	159	146	136	135	134	161	148	138	137	137	164	150	140	141	141	167	153	143	145	145
1350	MBht	44.45	39.88	36.68	36.31	36.17	42.03	37.73	34.71	34.67	34.61	39.59	35.56	32.75	33.09	33.04	37.06	33.34	30.72	31.42	31.38	34.41	30.98	28.58	29.63	29.59
	S/T†	0.57	0.79	0.82	0.99	1.00	0.58	0.81	0.84	1.00	1.00	0.59	0.83	0.86	1.00	1.00	0.60	0.86	0.89	1.00	1.00	0.62	0.89	0.92	1.00	1.00
	AMPS*	9.78	9.56	9.43	9.42	9.41	10.91	10.69	10.56	10.57	10.56	12.07	11.86	11.73	11.75	11.74	13.35	13.14	13.01	13.04	13.04	14.81	14.61	14.49	14.54	14.54
	HI PR	278	272	269	268	268	319	313	309	309	309	364	358	354	355	355	414	407	403	404	404	467	461	456	458	458
	LO PR	159	146	136	135	135	161	148	138	138	138	164	150	140	142	142	166	153	142	146	145	169	155	145	150	150
		-3			7			17			27			37			47			57			67			
CFM		036 Size Outdoor With FXM4X48**AL Indoor Heating																								
		65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	
1050	MBht	12.02	11.39	10.74	16.26	15.69	15.11	20.98	20.56	19.47	25.06	24.66	24.28	29.70	29.23	28.76	35.13	34.55	33.99	41.72	40.96	40.52	49.55	48.73	47.92	
	T/R	11.50	10.90	10.20	15.50	14.90	14.30	19.80	19.40	18.30	23.60	23.20	22.70	27.80	27.30	26.80	32.70	32.10	31.50	38.60	37.80	37.30	45.60	44.80	43.90	
	AMPS*	8.10	8.47	8.84	8.63	9.03	9.43	9.13	9.57	9.93	9.48	9.95	10.43	9.89	10.37	10.86	10.42	10.90	11.40	11.17	11.65	12.21	12.00	12.50	13.03	
	HI PR	229	244	259	245	261	277	263	280	295	279	297	316	297	316	335	320	339	359	349	368	389	382	401	421	
	LO PR	39	39	39	50	50	50	62	62	63	76	76	77	92	92	93	109	109	110	110	128	129	130	149	150	151
1200	MBht	12.24	11.59	10.95	16.51	15.94	15.35	21.20	20.80	19.83	25.34	24.92	24.51	30.05	29.56	29.09	35.66	35.00	34.42	42.37	41.59	41.14	50.02	49.25	48.46	
	T/R	10.20	9.70	9.10	13.70	13.20	12.70	17.50	17.20	16.30	20.90	20.50	20.10	24.60	24.20	23.70	29.00	28.40	27.90	34.30	33.60	33.20	40.30	39.60	38.90	
	AMPS*	8.14	8.51	8.89	8.63	9.03	9.44	9.08	9.52	9.90	9.39	9.86	10.34	9.75	10.23	10.72	10.24	10.72	11.21	10.85	11.37	11.92	11.70	12.19	12.71	
	HI PR	226	241	257	240	256	273	257	274	289	271	288	307	287	306	325	309	327	347	332	352	374	365	385	404	
	LO PR	39	39	39	50	50	50	62	62	63	76	76	77	92	92	93	109	109	110	110	128	129	129	148	149	150
1350	MBht	12.42	11.78	11.12	16.74	16.15	15.56	21.41	21.01	20.57	25.57	25.14	24.73	30.35	29.85	29.36	35.96	35.36	34.77	42.75	42.06	41.32	50.20	49.49	48.74	
	T/R	9.20	8.70	8.20	12.40	11.90	11.50	15.80	15.40	15.10	18.70	18.40	18.00	22.10	21.70	21.30	26.00	25.50	25.10	30.80	30.20	29.60	36.00	35.40	34.80	
	AMPS*	8.19	8.57	8.95	8.65	9.06	9.47	9.06	9.51	9.97	9.33	9.81	10.29	9.66	10.15	10.63	10.12	10.60	11.09	10.68	11.17	11.69	11.50	11.99	12.50	
	HI PR	224	239	254	237	253	269	251	269	287	264	282	301	280	298	317	300	318	337	321	340	360	353	372	392	
	LO PR	39	39	39	49	50	50	62	62	62	76	76	77	92	92	92	109	109	110	110	128	128	129	147	148	149

See table Notes at end of section

**SIZE 42 EXPANDED DATA**

		042 Size Outdoor With FXM4X48**AL Indoor Cooling																															
		85								95								105								115							
		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57							
1240	CFM	49.04	44.71	41.58	40.84	39.45	46.75	42.65	39.68	39.03	38.01	44.33	40.50	37.68	37.11	36.47	41.74	38.18	35.55	35.08	34.78	38.94	35.65	33.23	32.97	32.92							
	MBh†	0.52	0.70	0.73	0.91	1.00	0.53	0.72	0.74	0.93	1.00	0.54	0.73	0.76	0.95	1.00	0.55	0.75	0.78	0.98	1.00	0.56	0.78	0.80	1.00	1.00							
	S/T†	10.71	10.64	10.59	10.58	10.56	12.06	12.00	11.95	11.94	11.92	13.62	13.55	13.50	13.49	13.48	15.39	15.32	15.27	15.26	15.26	17.41	17.36	17.31	17.31	17.30							
	AMPS*	274	269	266	266	264	315	311	307	307	306	361	356	352	352	351	411	406	402	401	401	464	459	455	455	455							
	HI PR	154	140	130	128	124	156	142	132	130	127	159	145	134	133	131	162	147	137	135	134	164	150	139	139	139							
1400	CFM	49.88	45.53	42.37	41.74	40.98	47.51	43.38	40.40	39.86	39.43	44.97	41.14	38.32	37.93	37.77	42.28	38.72	36.09	36.02	35.97	39.38	36.12	33.70	34.04	33.99							
	MBh†	0.54	0.73	0.76	0.95	1.00	0.54	0.75	0.77	0.97	1.00	0.55	0.77	0.79	0.99	1.00	0.57	0.79	0.81	1.00	1.00	0.58	0.82	0.84	1.00	1.00							
	S/T†	10.83	10.76	10.71	10.70	10.69	12.19	12.12	12.08	12.07	12.06	13.75	13.68	13.63	13.62	13.62	15.52	15.45	15.40	15.40	15.40	17.54	17.48	17.44	17.45	17.45							
	AMPS*	274	270	267	267	266	316	312	308	308	307	362	357	353	353	353	411	407	403	403	403	465	460	456	457	457							
	HI PR	157	143	133	132	129	159	145	135	134	132	162	148	137	136	136	164	150	139	140	139	167	153	142	144	144							
1575	CFM	50.60	46.20	43.05	42.62	42.38	48.12	44.00	41.00	40.79	40.73	45.50	41.65	38.85	39.03	38.98	42.72	39.18	36.57	37.11	37.06	39.73	36.50	34.10	35.00	34.96							
	MBh†	0.55	0.77	0.79	0.99	1.00	0.56	0.78	0.81	1.00	1.00	0.57	0.80	0.83	1.00	1.00	0.59	0.83	0.85	1.00	1.00	0.61	0.86	0.88	1.00	1.00							
	S/T†	10.97	10.90	10.85	10.84	10.84	12.33	12.26	12.21	12.21	12.21	13.89	13.81	13.76	13.77	13.77	15.66	15.59	15.54	15.55	15.55	17.68	17.62	17.58	17.60	17.60							
	AMPS*	275	271	268	268	268	317	313	309	309	309	363	358	354	355	355	412	407	404	404	404	466	461	457	459	459							
	HI PR	160	146	136	135	134	162	148	137	137	137	164	150	139	141	141	167	153	142	144	144	169	155	144	149	148							
1240	See table Notes at end of section	CFM	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75							
		MBh†	17.06	16.95	16.67	21.26	20.99	20.55	25.65	25.40	25.15	30.43	30.14	29.84	35.69	35.29	34.92	41.43	41.00	40.36	47.26	46.69	46.14	53.52	52.84	52.31							
		T/R	15.00	14.90	14.60	18.50	18.20	17.80	22.10	21.80	21.50	25.90	25.60	25.30	30.00	29.60	29.20	34.40	34.00	33.40	38.90	38.30	37.80	43.50	42.90	42.30							
		AMPS*	9.97	10.49	11.00	10.54	11.08	11.60	10.91	11.47	12.07	11.45	12.03	12.65	12.02	12.63	13.30	12.63	13.26	13.93	13.29	13.94	14.63	13.98	14.65	15.38							
		HI PR	261	281	299	276	295	313	284	303	324	298	318	338	314	334	356	332	352	373	351	371	392	371	391	414							
1400	See table Notes at end of section	CFM	36	37	37	48	48	48	61	61	61	75	75	75	90	90	90	108	109	108	127	128	128	151	151	151							
		MBh†	17.13	17.03	16.73	21.31	20.84	20.60	25.67	25.43	25.18	30.46	30.17	29.87	35.80	35.34	34.96	41.54	40.87	40.44	47.45	46.88	46.32	53.86	53.33	52.63							
		T/R	13.40	13.30	13.00	16.40	16.00	15.80	19.60	19.30	19.10	23.00	22.70	22.40	26.70	26.30	25.90	30.60	30.00	29.70	34.60	34.10	33.60	38.80	38.30	37.70							
		AMPS*	9.96	10.47	10.98	10.46	10.98	11.54	10.81	11.36	11.97	11.29	11.87	12.47	11.80	12.40	13.03	12.34	12.96	13.61	12.93	13.56	14.23	13.54	14.22	14.91							
		HI PR	257	276	295	269	288	307	276	296	316	289	309	329	303	323	344	318	338	359	335	355	377	353	374	396							
1575	See table Notes at end of section	CFM	36	37	37	48	47	48	61	61	61	74	75	75	90	90	91	108	108	108	127	128	128	150	151	151							
		MBh†	17.21	17.12	16.81	21.38	20.90	20.66	25.71	25.47	25.21	30.51	30.21	29.91	35.91	35.39	35.01	41.66	40.97	40.54	47.65	47.07	46.50	54.19	53.65	52.94							
		T/R	11.90	11.90	11.60	14.70	14.30	14.10	17.40	17.20	17.00	20.40	20.20	19.90	23.80	23.40	23.10	27.30	26.80	26.40	30.80	30.40	30.00	34.70	34.30	33.70							
		AMPS*	9.97	10.49	10.99	10.40	10.95	11.51	10.74	11.30	11.92	11.18	11.75	12.35	11.63	12.23	12.85	12.12	12.73	13.37	12.65	13.27	13.93	13.20	13.87	14.54							
		HI PR	253	272	291	263	282	302	270	289	311	281	301	321	294	313	334	307	327	348	322	342	363	338	359	380							
LO PR	36	37	37	48	47	48	61	61	61	74	75	75	91	90	90	108	107	108	127	127	128	150	150	151									

**SIZE 48 EXPANDED DATA**

		048 Size Outdoor With FXM4X60**AL Indoor Cooling																								
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																								
		85					95					105					115									
CFM		Entering Indoor Temperature - Degrees F, Wet Bulb																								
		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57					
1420	MBht	58.07	53.00	49.29	48.39	46.84	55.36	50.57	47.05	46.26	45.13	52.51	48.00	44.69	43.97	43.29	49.43	45.23	42.13	41.55	41.27	46.11	42.21	39.35	39.34	39.04
	S/T†	0.50	0.68	0.71	0.88	1.00	0.54	0.73	0.76	0.95	1.00	0.58	0.79	0.81	1.03	1.00	0.62	0.85	0.88	1.10	1.00	0.66	0.92	0.95	1.15	1.00
	AMPS*	12.17	12.12	12.08	12.08	12.06	14.00	13.94	13.89	13.88	13.87	16.12	16.05	16.00	15.99	15.98	18.58	18.51	18.45	18.44	18.43	21.42	21.34	21.28	21.28	21.27
	HI PR	277	273	270	269	267	320	315	311	310	309	366	361	357	356	355	416	411	406	406	405	470	465	461	461	460
	LO PR	155	141	131	129	125	157	143	133	131	128	160	146	135	133	131	162	148	137	136	135	165	151	140	140	139
1600	MBht	59.07	53.94	50.21	49.44	48.62	56.23	51.41	47.88	47.22	46.78	53.24	48.73	45.42	45.37	44.83	50.06	45.85	42.77	42.73	42.67	46.62	42.74	39.90	40.34	40.29
	S/T†	0.52	0.71	0.73	0.92	1.00	0.55	0.76	0.79	0.99	1.00	0.59	0.82	0.85	1.03	1.00	0.64	0.89	0.92	1.00	1.00	0.69	0.97	0.99	1.00	1.00
	AMPS*	12.31	12.26	12.22	12.21	12.20	14.14	14.08	14.04	14.03	14.02	16.27	16.20	16.15	16.15	16.14	18.74	18.67	18.61	18.61	18.61	21.57	21.51	21.44	21.45	21.45
	HI PR	278	274	270	270	269	321	316	312	311	311	367	362	358	358	357	417	412	407	408	407	471	466	462	462	462
	LO PR	158	144	134	132	130	160	146	136	134	133	163	148	138	138	136	165	151	140	140	140	168	153	142	145	144
1800	MBht	59.90	54.77	51.02	50.90	50.29	56.96	52.13	48.60	48.40	48.34	53.86	49.35	46.06	46.31	46.25	50.55	46.39	43.32	44.01	43.96	47.05	43.18	40.36	41.48	41.43
	S/T†	0.53	0.74	0.76	0.93	1.00	0.57	0.80	0.82	1.00	1.00	0.62	0.86	0.89	1.00	1.00	0.66	0.94	0.96	1.00	1.00	0.71	1.02	1.04	1.00	1.00
	AMPS*	12.47	12.41	12.37	12.37	12.37	14.30	14.24	14.19	14.19	14.19	16.44	16.37	16.32	16.33	16.32	18.91	18.84	18.78	18.78	18.79	21.74	21.68	21.62	21.65	21.65
	HI PR	279	275	271	271	271	321	317	313	313	313	368	363	359	359	359	418	413	408	409	409	472	467	463	464	464
	LO PR	161	147	136	137	135	163	149	138	138	138	165	151	140	142	141	168	153	142	145	145	170	156	145	149	149

		048 Size Outdoor With FXM4X60**AL Indoor Heating																																
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																																
		7					17					27					37					47					57					67		
CFM		65	70	75	75	65	70	75	75	65	70	75	75	65	70	75	75	65	70	75	75	65	70	75	75	65	70	75	75	65	70	75	75	
		1420	MBht	20.76	20.52	20.29	25.15	24.93	24.72	29.87	29.60	29.34	35.07	34.74	34.42	40.98	40.32	39.98	46.78	46.50	46.00	53.42	52.76	52.12	60.31	59.42	58.62							
T/R	15.40		15.20	15.00	18.50	18.30	18.10	21.80	21.50	21.30	25.40	25.10	24.80	29.40	28.90	28.60	33.30	33.00	32.60	37.70	37.20	36.60	42.30	41.50	40.90									
AMPS*	12.23		12.81	13.42	12.65	13.26	13.91	13.13	13.76	14.44	13.63	14.29	14.99	14.15	14.84	15.57	14.69	15.43	16.18	15.32	16.05	16.82	15.95	16.69	17.48									
HI PR	250		268	287	259	278	297	271	290	310	285	304	324	300	320	340	316	337	357	335	355	376	355	374	395									
LO PR	36		36	36	47	47	48	59	60	60	73	73	74	89	89	89	106	107	107	125	126	126	148	149	149									
1600	MBht	20.83	20.58	20.35	25.20	24.98	24.76	29.90	29.64	29.38	35.27	34.79	34.46	40.86	40.60	40.05	47.27	46.40	45.96	53.63	53.01	52.36	60.65	59.87	59.04									
	T/R	13.70	13.50	13.30	16.40	16.30	16.10	19.40	19.10	18.90	22.60	22.30	22.00	26.00	25.80	25.40	29.90	29.20	28.90	33.60	33.10	32.70	37.70	37.10	36.50									
	AMPS*	12.22	12.80	13.41	12.59	13.20	13.84	13.02	13.65	14.32	13.46	14.12	14.81	13.91	14.60	15.32	14.41	15.11	15.85	14.93	15.65	16.41	15.48	16.22	16.98									
	HI PR	246	264	282	254	272	291	264	283	302	277	295	315	290	309	329	305	324	344	321	341	361	338	358	379									
	LO PR	36	36	36	47	47	48	59	60	60	74	73	73	89	89	89	107	106	106	125	126	126	148	148	149									
1800	MBht	20.91	20.66	20.43	25.26	25.04	24.82	29.96	29.69	29.43	35.30	34.84	34.51	40.88	40.67	40.25	47.07	46.55	46.31	53.95	53.27	52.60	61.12	60.29	59.45									
	T/R	12.20	12.10	11.90	14.70	14.50	14.30	17.20	17.00	16.90	20.10	19.80	19.60	23.10	23.00	22.70	26.40	26.10	25.90	30.10	29.60	29.20	33.80	33.30	32.70									
	AMPS*	12.24	12.82	13.42	12.58	13.18	13.82	12.97	13.59	14.25	13.36	14.01	14.69	13.77	14.43	15.14	14.19	14.88	15.60	14.65	15.36	16.10	15.13	15.85	16.60									
	HI PR	242	260	278	249	267	286	258	277	296	269	288	307	281	300	320	294	313	334	309	328	348	324	344	364									
	LO PR	36	36	36	47	47	47	59	59	60	73	73	73	88	89	90	105	105	107	125	125	126	148	148	149									

See table Notes at end of section

**SIZE 60 EXPANDED DATA**

CFM		060 Size Outdoor With FXM4X60**AL Indoor Cooling																								
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																								
		85					95					105					115									
		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57					
1600	MBh†	67.41	61.41	57.06	56.01	54.03	63.92	58.31	54.24	53.30	51.89	60.21	55.00	51.22	50.38	49.54	56.21	51.44	47.58	47.07	46.96	51.85	47.09	44.36	44.15	44.10
	S/T†	0.52	0.70	0.72	0.90	1.00	0.52	0.71	0.74	0.93	1.00	0.53	0.73	0.75	0.95	1.00	0.55	0.75	0.78	0.98	1.00	0.56	0.79	0.81	1.00	1.00
	AMPS*	14.08	14.02	13.97	13.96	13.93	16.12	16.05	16.00	15.99	15.97	18.46	18.39	18.34	18.33	18.32	21.15	21.09	21.01	21.01	21.02	24.25	24.15	24.14	24.14	24.14
	HI PR	282	277	273	272	271	323	318	314	313	312	368	363	359	358	357	417	412	407	406	406	470	464	460	460	460
	LO PR	154	140	130	128	123	156	143	132	130	127	159	145	135	133	131	162	148	137	136	135	165	151	140	140	140
1750	MBh†	68.27	62.25	57.89	56.91	55.57	64.69	59.04	54.95	54.11	53.30	60.82	55.63	51.83	51.17	50.83	56.74	51.94	48.43	48.17	48.05	52.25	47.24	44.79	45.13	45.10
	S/T†	0.53	0.72	0.74	0.93	1.00	0.53	0.73	0.76	0.96	1.00	0.55	0.75	0.78	0.98	1.00	0.56	0.78	0.80	1.00	1.00	0.58	0.82	0.83	1.00	1.00
	AMPS*	14.23	14.17	14.12	14.11	14.09	16.27	16.21	16.15	16.14	16.13	18.61	18.55	18.50	18.49	18.49	21.31	21.25	21.20	21.20	21.19	24.41	24.29	24.31	24.31	24.32
	HI PR	283	278	274	273	272	324	319	315	314	314	369	364	360	359	359	418	412	408	408	408	470	464	461	462	462
	LO PR	156	142	132	130	127	159	145	134	133	131	161	147	137	135	135	164	150	139	139	139	167	153	142	144	144
2000	MBh†	69.42	63.34	58.94	58.21	57.76	65.65	59.99	55.88	55.41	55.32	61.66	56.42	52.62	52.72	52.66	57.41	52.60	49.13	49.80	49.72	52.76	48.44	45.33	46.54	46.48
	S/T†	0.54	0.75	0.78	0.98	1.00	0.55	0.77	0.79	1.00	1.00	0.57	0.80	0.82	1.00	1.00	0.58	0.82	0.85	1.00	1.00	0.60	0.86	0.88	1.00	1.00
	AMPS*	14.48	14.42	14.36	14.36	14.35	16.52	16.46	16.41	16.40	16.40	18.87	18.81	18.76	18.76	18.76	21.58	21.52	21.47	21.48	21.48	24.67	24.63	24.59	24.61	24.61
	HI PR	284	279	275	275	274	326	320	316	316	316	370	365	361	361	361	419	414	409	410	410	471	466	462	464	464
	LO PR	159	146	135	134	133	162	148	137	137	136	164	150	139	140	140	167	153	142	145	144	170	156	145	149	149

CFM		060 Size Outdoor With FXM4X60**AL Indoor Heating																								
		Outdoor Ambient Temperature - Degrees F, Wet Bulb																								
		75					85					95					105					115				
		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57
1600	MBh†	22.25	21.64	20.96	28.49	27.97	26.57	34.05	33.60	33.14	40.36	39.81	39.27	47.55	46.86	46.21	55.86	55.00	54.16	65.60	64.59	63.56	76.29	75.28	74.40	
	T/R	14.40	14.00	13.50	18.40	18.00	17.00	21.90	21.50	21.20	25.80	25.40	25.00	30.40	29.90	29.40	35.50	34.90	34.30	41.60	40.90	40.10	48.20	47.50	46.80	
	AMPS*	13.11	13.72	14.34	13.93	14.58	15.13	14.63	15.33	16.08	15.44	16.17	16.95	16.39	17.15	17.95	17.56	18.34	19.19	19.07	19.92	20.79	20.53	21.56	22.77	
	HI PR	240	256	272	256	273	288	271	289	308	288	307	326	310	329	348	337	356	376	372	392	412	404	427	454	
	LO PR	39	39	40	50	50	51	62	63	63	76	76	77	92	92	92	109	109	110	129	129	130	151	152	152	
1750	MBh†	22.47	21.85	21.17	28.69	28.24	26.82	34.27	33.81	33.38	40.64	40.09	39.55	47.93	47.23	46.56	56.31	55.47	54.62	66.14	65.15	64.13	77.38	75.93	74.88	
	T/R	13.30	12.90	12.50	16.90	16.60	15.70	20.10	19.80	19.50	23.80	23.40	23.00	28.00	27.50	27.10	32.80	32.20	31.60	38.40	37.70	37.00	44.70	43.80	43.10	
	AMPS*	13.14	13.75	14.37	13.91	14.57	15.12	14.57	15.27	16.01	15.34	16.06	16.83	16.24	16.99	17.78	17.36	18.13	18.96	18.83	19.67	20.53	20.45	21.19	22.21	
	HI PR	237	253	270	252	270	284	266	284	303	282	301	320	302	321	341	328	347	367	363	382	402	400	416	438	
	LO PR	39	39	40	50	50	50	62	62	63	76	76	77	91	92	92	109	109	110	129	129	130	151	152	152	
2000	MBh†	22.78	22.16	21.49	28.96	28.55	27.21	34.61	34.16	33.69	41.22	40.50	39.95	48.45	47.75	47.05	56.96	56.10	55.25	66.88	65.86	64.85	77.72	76.69	75.64	
	T/R	11.80	11.40	11.10	14.90	14.70	14.00	17.80	17.50	17.20	21.10	20.70	20.40	24.70	24.30	23.90	29.00	28.50	28.00	33.90	33.30	32.80	39.30	38.70	38.10	
	AMPS*	13.23	13.83	14.46	13.93	14.59	15.16	14.55	15.24	15.97	15.27	15.97	16.73	16.10	16.84	17.62	17.18	17.94	18.74	18.65	19.46	20.31	20.10	20.95	21.86	
	HI PR	233	249	266	246	264	279	259	277	295	274	292	311	293	311	331	318	336	356	351	371	391	386	405	425	
	LO PR	39	39	39	50	50	50	62	62	63	76	76	77	91	92	92	109	109	109	128	129	129	150	151	152	

See table Notes at end of section

- † Total capacities are net (I.D blower heat added for heating, subtracted for cooling) system capacities based on 25' line set.  
If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.
- \* System amps are total of indoor and outdoor amps
- ‡ S/T are based on 80 F db entering air at the indoor coil. For sensible capacities at other than 80 F db, deduct 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree below 80 F, or add 835 Btuh per 1000 cfm of indoor coil air from MBhxS/T for each degree above 80 F
- †† At TVA rating indoor condition (75 F db/ 63 F wb), All other indoor air temperatures are at 80 F db
- T/R - Temp Rise is based on 25 foot line set  
If additional tubing length and/or indoor unit is located above indoor unit, a slight variation in Temp Rise may occur

**COOLING & HEATING PERFORMANCE FOR COMBINATION RATINGS**

For complete ratings information, use the AHRI website directory search: [www.AHRIdirectory.org](http://www.AHRIdirectory.org). New ratings may be listed online before Specification Sheets are updated.

Outdoor Model	Indoor Model *Tested Combo	Factory Installed	Cooling 95°F (35°C)			Heat 47°F (8.3°C)		Heat 17°F (-8.3°C)		HSPF
			Capacity BTU/hr	SEER	EER	BTU/hr	COP	BTU/hr	COP	
				Standard						
NXH618GKA101	FXM4X18**AL	TXV	18000	16	13	17800	3.92	10800	2.60	8.5
NXH624GKA101	FXM4X24**AL	TXV	23000	16	13	22800	3.90	14200	2.60	8.5
NXH630GKA101	FXM4X36**AL	TXV	29200	16	13	28600	3.72	17400	2.56	9.0
NXH636GKA101	FXM4X48**AL	TXV	35000	16	13	35000	4.16	20800	2.86	8.5
NXH642GKA101	FXM4X48**AL	TXV	40500	16	13	41000	3.94	25400	2.82	8.5
NXH648GKA101	FXM4X60**AL	TXV	48000	16	13	46500	3.84	29600	2.74	9.0
NXH660GKA101	FXM4X60**AL	TVX	55000	16	13	55000	3.82	33600	2.82	8.5

\* AHRI= Air Conditioning, Heating & Refrigeration Institute

Ratings are net values reflecting the effects of circulating fan heat. Supplemental electric heat is not included.

Ratings are based on:

Cooling Standard: 80°F(27°C) db 67°F(19°C) wb indoor entering air temperature and 95°F(35°C) db air entering outdoor unit.

High---Temp Heating Standard: 70°F(21°C) db indoor entering air temperature and 47°F(8°C) db 43°F(6°C) wb air entering outdoor unit.

Low---Temp Heating Standard: 70°F(21°C) db indoor entering air temperature and 17°F(-8°C) db 15° F(-9°C) wb air entering outdoor unit.

COP — Coefficient of Performance

EER — Energy Efficiency Ratio

HSPF — Heating Seasonal Performance Factor

SEER — Seasonal Energy Efficiency Ratio

**ACCESSORY USAGE GUIDELINES**

Accessory	REQUIRED FOR LOW-AMBIENT COOLING APPLICATIONS (Below 55°F / 12.8°C)	REQUIRED FOR LONG LINE APPLICATIONS*	REQUIRED FOR SEA COAST APPLICATIONS (Within 2 miles / 3.22 km)
Accumulator	Standard	Standard	Standard
Compressor Start Assist Capacitor and Relay	Yes	Yes	No
Crankcase Heater	Yes	Yes	No
Evaporator Freeze Thermostat	Yes	No	No
Isolation Relay	Yes	No	No
Liquid Line Solenoid Valve	No	See Long-Line Application Guideline	No
Low Ambient Switch	Yes‡	No	No
Support Feet	Recommended	No	Recommended

\* For tubing line sets between 80 and 200 ft. (24.38 and 60.96 m) and/or 20 ft. (6.09 m) vertical differential, refer to Residential Piping and Longline Guideline.

‡ In units equipped with ECM OD motor, motor needs to be replaced per unit accessory guide to work properly. This motor kit comes with a new defrost board that also needs to be installed. Unit will not meet AHRI rated efficiency once motor and defrost board are replaced to use this accessory.

**ACCESSORIES**

Part Number	Description	Used On Size
NASA00101IK	ISLN Relay Kit	ALL
NASA00601CH	Crankcase Heater for Scroll Compressor (208/230 V)	18, 24, 30
NASA00501CH	Crankcase Heater for Scroll Compressor (208/230 V)	42, 48
NASA001SC	Start Component - PTC Device	ALL
NASA00201FS	Evaporator Freeze Thermostat	ALL
NASA001LS	Liquid Line Solenoid Valve Kit, HP, R- 22 or R- 410A	ALL
NASA001TD	Time Delay Relay, Indoor Blower	ALL
NASA001AC	Anti- Cycle Timer (5 minute delay)	ALL
NASA003SC	Hard Start Kit (Capacitor & Relay)	36, 60
NASA007SC	Hard Start Kit (Capacitor & Relay)	18, 24, 30, 42, 48
NASA00101PM*	PSC Fan Motor Kit (motor, fan, and defrost board)	42, 60
NASA401LA	Low Ambient Kit (Pressure Switch), R- 410A	ALL
NASA00201SF	Support Feet, 4" (102mm) tall, 5 included	ALL
NASA00201SJ	Sound Blanket Kit	18, 24, 30, 36
NASA00101SJ	Sound Blanket Kit	42, 48, 60
NAEA40501TX	TXV Kit, R- 410A - for use with copper or tin fan coils	18, 24, 30
NAEA40601TX	TXV Kit, R- 410A - for use with copper or tin fan coils	36, 42
NAEA40701TX	TXV Kit, R- 410A - for use with copper or tin fan coils	48, 60
NAEB40501TX	TXV Kit, R- 410A - for use with aluminum fan coils	18, 24, 30
NAEB40601TX	TXV Kit, R- 410A - for use with aluminum fan coils	36, 42
NAEB40701TX	TXV Kit, R- 410A - for use with aluminum fan coils	48, 60
NASA00106SS	Snow Stand Kit	ALL
TSTAT0201CW	Observer® Self Configuring Communicating Wall Control	ALL

\* Required to use NASA401LA Low Ambient Kit with this unit. Unit will not meet AHRI rated efficiency once this accessory is installed.