GE APPLIANCES
a Haier *company*

Product Specifications

NS22HM

High Efficiency Split Heat Pump
System up to 22 SEER2 & 9 HSPF2

READ CAREFULLY.
KEEP THESE INSTRUCTIONS.

31-5000743 Rev. 1 07-24

NS22HM
PRODUCT SPECIFICATIONS

HIGH EFFICIENCY
SPLIT HEAT PUMP SYSTEM
UP TO 22 SEER2 & 9 HSPF2

COMPRESSOR
- Inverter-driven compressor for true variable capacity operation, precision environmental control, and exceptional energy savings
- R410A refrigerant
- Grommet-mounted compressor for quiet operation
- Heavy-duty compressor sound blanket for quiet operation
- Internally protected against high temperature motor overload conditions

CABINET
- Full metal louvered construction to protect the coil
- Individual metal louvered panels remove easily for coil cleaning and service
- Specialized corner-mounted controls for easy service
- Baked polyester paint finished over galvanized steel for maximum durability
- Removable PVC coated wire fan discharge grill
- External gauge ports for easy service
- Removable service panel for internal access
- Compliant with Florida Building Code 2020

COILS
- Total corrosion protection with all-aluminum tube-and-fin coil design
- Lanced fins for maximum heat transfer
- Factory tested for leakproof construction
- Raised coil prevents debris from impeding airflow and helps prevent ice buildup

DESIGN
- Designed for installation with a standard 24V thermostat and non-communicating equipment
- Offers five total operating modes, three in cooling and two for heating, to fine-tune the unit's performance to the application and consumer's needs in 24V applications
- Clean-sweep defrost provides a more thorough defrost, reducing the number of cycles during heating operation
- Designed to perform in temperatures from -15°F to 125°F

COMPONENTS
- 45-degree offset gauge ports are positioned for quick installation and easy service
- Variable speed condenser fan motor
- Swept wing fan blade for quiet operation
- Factory-installed crankcase heater
- Factory-installed TXV for excellent refrigeration control
- Factory-installed high and low pressure switches
- Thread-on pressure switches for simple, quick service
- Fan orifice for smoother airflow and sound level reduction
- Shipped factory charged for 15 feet of line set
- Discharge muffler for quiet operation
- Demand defrost for increased energy efficiency
- Capable to reducing noise during defrost

WARRANTY
See warranty document for details

31-5000743 Rev. 1

MODEL NUMBER GUIDE

N S 22 H 36 M A 4 – XX

- **BRAND** — N-GE
- **PRODUCT** — S-SPLIT
- **SEER**
- **APPLICATION** — A-AIR CONDITIONER; H-HEAT PUMP
- **COOLING CAPACITY (1000BTU/HR)** — 24, 36, 48, 60
- **DESIGN VARIANT** — M-VARIABLE SPEED, MODULATING
- **VOLTAGE** — A-208/230 1PH 60HZ
- **REFRIGERANT** — 4-R410A
- **MAJOR / MINOR REVISION**

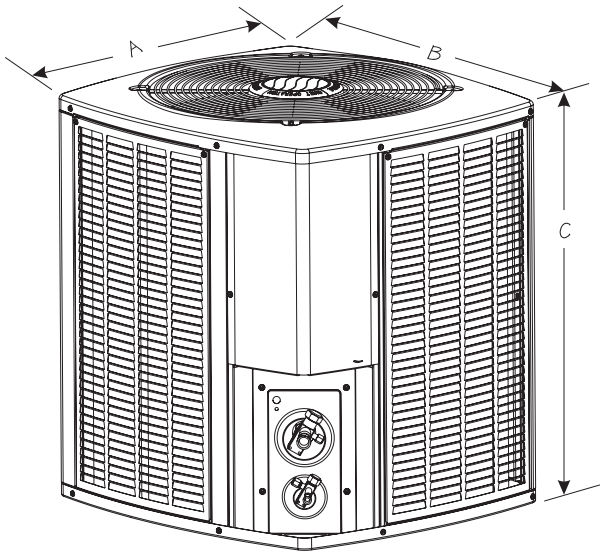
PHYSICAL AND ELECTRICAL DATA

Model	Voltage/Hz/Phase	Voltage Range	Min. Circuit Amp.	Max. Over Current Device (amps)	Compressor	Outdoor Fan Motor		
					Input (amps)	Full Load (amps)	Rated HP	Nom. RPM
NS22H24MA4	208-230/60/1	197-253	13.4	20	8.6	2.6	1/3	VAR. SPD
NS22H36MA4	208-230/60/1	197-253	19.9	30	13.9	2.6	1/3	VAR. SPD
NS22H48MA4	208-230/60/1	197-253	24.6	40	17.6	2.6	1/3	VAR. SPD
NS22H60MA4	208-230/60/1	197-253	33.5	50	24.7	2.6	1/3	VAR. SPD

UNIT DIMENSIONS (IN.)

Model	Dimensions (inch)			Shipping Weight (Lbs.)
	A - Width	B - Depth	C - Height	
NS22H24MA4	38.88	36.88	38.25	250
NS22H36MA4	38.88	36.88	38.25	255
NS22H48MA4	38.88	36.88	43.75	358
NS22H60MA4	38.88	36.88	43.75	361

Note: Dimensions listed are unit sizes w/o packaging
Weights listed are unit weights with packaging



SOUND RATINGS

Model	Sound Power1 (Low)	Estimated Sound Pressure (dBA)2			Sound Power1 (High)	Estimated Sound Pressure (dBA)2		
		Approximate Distance3				Approximate Distance3		
		One Meter (3.3 feet)	Two Meters (6.6 feet)	Three Meters (9.8 feet)		One Meter (3.3 feet)	Two Meters (6.6 feet)	Three Meters (9.8 feet)
NS22H24MA4	63	55	49	45	71	63	57	53
NS22H36MA4	61	53	47	43	74	66	60	56
NS22H48MA4	66	58	52	48	72	64	58	54
NS22H60MA4	64	56	50	46	77	69	63	59

1 Rated in accordance with AHRI standard 270 (2015)
2 Rated in accordance with AHRI standard 275 (2010)
3 Based only on distance factor; other factors may change this value such as:
- Unit location (reflective surfaces adjacent to the unit)
- Barrier shielding sources
- Sound path/elevation
- Outside noise sources

REFRIGERATION DATA

Model	Refrig. Charge (oz.) *	TXV	Refrigerant Line Size		Outdoor Unit Connection		Indoor Unit Connection	
			Suction	Liquid	Suction	Liquid	Suction	Liquid
NS22H24MA4	176	H4TXV01	3/4	3/8	3/4	3/8	3/4	3/8
NS22H36MA4	182	H4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
NS22H48MA4	173	H4TXV03	7/8	3/8	7/8	3/8	7/8	3/8
NS22H60MA4	218	H4TXV03	1-1/8	3/8	1-1/8	3/8	7/8	3/8

* Factory charged for 15 feet of line set; adjust per installation instructions
NOTE: Refrigerant charge also varies with indoor unit; refer to refrigerant charge label

COOLING PERFORMANCE WITH DTC[1]

Outdoor Model	Indoor Model	Cooling				Heating					High CFM	Med CFM	Low CFM
	Evap. Coil or Air Handler[3]	SEER2	EER2	AHRI Rated Capacity[2]	Sensible Capacity	HSPF2	47°		17°				
							Btuh	COP	Btuh	COP			
NS22H24MA4	NAM30V2	21.0	13.5	24,000	19,000	9.5	23,000	3.90	14,900	2.80	800	500	350
NS22H36MA4	NAM36V2	20.0	12.0	34,200	27,000	9.0	33,400	3.40	22,800	2.60	1170	750	415
NS22H48MA4	NAM60V2	19.5	12.0	47,000	36,500	8.5	44,500	3.50	27,200	2.35	1600	1000	770
NS22H60MA4	NAM60V2	19.0	12.0	55,000	41,500	8.7	55,500	3.30	37,000	2.40	1800	1100	920

Note:
1 DTC = Designated tested combination
2 Certified in accordance with Unitary Air Conditioner Certification Program, which is based on AHRI Standard 210/240
3 A blower time delay relay is standard on all GE Appliances furnace and air handler products

COOLING PERFORMANCE EXTENDED RATINGS

NS22H24MA4- NAM30V2 (MAXIMUM CAPACITY)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																													
			85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)						115° F (46.1° C)						125° F (51.7° C)					
			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C
59°F (15°C)	700	330	23.0	6.7	1310	.94	1.00	1.00	22.0	6.4	1500	.97	1.00	1.00	20.6	6.0	1700	1.00	1.00	1.00	19.6	5.7	1910	1.00	1.00	1.00	18.4	5.4	2130	1.00	1.00	1.00
	800	380	24.2	7.1	1300	.99	1.00	1.00	23.0	6.7	1490	1.00	1.00	1.00	21.8	6.4	1700	1.00	1.00	1.00	20.4	6.0	1910	1.00	1.00	1.00	19.2	5.6	2140	1.00	1.00	1.00
	900	425	25.0	7.3	1290	1.00	1.00	1.00	23.8	7.0	1490	1.00	1.00	1.00	22.4	6.6	1700	1.00	1.00	1.00	21.2	6.2	1920	1.00	1.00	1.00	19.9	5.8	2140	1.00	1.00	1.00
63°F (17.2°C)	700	330	24.0	7.0	1300	.77	.90	1.00	22.6	6.6	1500	.79	.94	1.00	21.2	6.2	1700	.81	.97	1.00	19.6	5.7	1910	.84	1.00	1.00	18.4	5.4	2130	.87	1.00	1.00
	800	380	24.6	7.2	1300	.80	.95	1.00	23.2	6.8	1490	.82	.98	1.00	21.8	6.4	1700	.85	1.00	1.00	20.4	6.0	1910	.88	1.00	1.00	19.2	5.6	2140	.92	1.00	1.00
	900	425	25.2	7.4	1290	.83	.99	1.00	23.8	7.0	1490	.86	1.00	1.00	22.4	6.6	1700	.89	1.00	1.00	21.2	6.2	1920	.92	1.00	1.00	19.9	5.8	2140	.96	1.00	1.00
67°F (19.4°C)	700	330	25.4	7.4	1290	.61	.74	.87	24.2	7.1	1490	.62	.76	.90	22.6	6.6	1700	.64	.79	.93	21.0	6.2	1920	.65	.81	.97	19.6	5.7	2140	.67	.84	1.00
	800	380	26.2	7.7	1280	.63	.78	.92	**24.8**	7.3	**1480**	**.64**	**.80**	**.95**	23.2	6.8	1700	.66	.83	.99	21.6	6.3	1920	.68	.86	1.00	20.2	5.9	2150	.70	.89	1.00
	900	425	26.8	7.9	1270	.65	.80	.96	25.4	7.4	1480	.66	.83	.99	23.8	7.0	1690	.68	.86	1.00	22.2	6.5	1920	.71	.90	1.00	20.6	6.0	2150	.73	.94	1.00
71°F (21.7°C)	700	330	27.0	7.9	1270	.47	.59	.72	25.6	7.5	1480	.47	.61	.74	24.0	7.0	1690	.48	.62	.76	22.4	6.6	1920	.49	.64	.79	21.0	6.2	2150	.50	.66	.82
	800	380	27.8	8.1	1260	.48	.62	.75	26.4	7.7	1470	.49	.63	.77	24.8	7.3	1690	.49	.65	.80	23.0	6.7	1920	.50	.67	.83	21.6	6.3	2150	.51	.69	.87
	900	425	28.4	8.3	1260	.49	.64	.79	27.0	7.9	1470	.50	.65	.80	25.4	7.4	1690	.51	.67	.84	23.8	7.0	1920	.52	.70	.88	22.0	6.4	2160	.53	.72	.91

NS22H24MA4- NAM30V2 (INTERMEDIATE CAPACITY)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																													
			85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)						115° F (46.1° C)						125° F (51.7° C)					
			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C
59°F (15°C)	420	200	14.5	4.2	580	.92	1.00	1.00	13.9	4.1	700	.94	1.00	1.00	13.2	3.9	820	.97	1.00	1.00	12.5	3.7	950	1.00	1.00	1.00	11.6	3.4	1090	1.00	1.00	1.00
	500	235	15.5	4.5	570	.98	1.00	1.00	14.8	4.3	680	1.00	1.00	1.00	14.1	4.1	810	1.00	1.00	1.00	13.2	3.9	940	1.00	1.00	1.00	12.4	3.6	1080	1.00	1.00	1.00
	580	275	16.2	4.7	550	1.00	1.00	1.00	15.6	4.6	670	1.00	1.00	1.00	14.8	4.3	800	1.00	1.00	1.00	13.8	4.0	940	1.00	1.00	1.00	13.0	3.8	1080	1.00	1.00	1.00
63°F (17.2°C)	420	200	15.2	4.5	570	.75	.89	1.00	14.4	4.2	690	.77	.91	1.00	13.6	4.0	810	.79	.94	1.00	12.7	3.7	950	.82	.97	1.00	11.7	3.4	1090	.85	1.00	1.00
	500	235	15.9	4.7	560	.79	.94	1.00	15.1	4.4	680	.81	.97	1.00	14.2	4.2	810	.84	1.00	1.00	13.2	3.9	940	.87	1.00	1.00	12.4	3.6	1080	.91	1.00	1.00
	580	275	16.4	4.8	550	.83	1.00	1.00	15.6	4.6	670	.85	1.00	1.00	14.8	4.3	800	.89	1.00	1.00	13.8	4.0	940	.92	1.00	1.00	13.0	3.8	1080	.97	1.00	1.00
67°F (19.4°C)	420	200	16.2	4.7	560	.60	.73	.85	15.4	4.5	680	.61	.74	.87	14.5	4.2	800	.62	.76	.90	13.5	4.0	940	.64	.79	.93	12.5	3.7	1080	.66	.82	.98
	500	235	16.9	5.0	540	.63	.77	.91	**16.0**	4.7	**670**	**.64**	**.79**	**.93**	15.0	4.4	800	.65	.81	.97	14.0	4.1	940	.67	.84	1.00	13.0	3.8	1080	.70	.88	1.00
	580	275	17.4	5.1	530	.64	.81	.96	16.5	4.8	660	.66	.83	.99	15.5	4.5	790	.69	.86	1.00	14.4	4.2	930	.71	.90	1.00	13.3	3.9	1080	.73	.94	1.00
71°F (21.7°C)	420	200	17.1	5.0	540	.47	.58	.70	16.3	4.8	660	.47	.60	.72	15.3	4.5	790	.47	.61	.74	14.3	4.2	930	.48	.62	.76	13.4	3.9	1080	.49	.64	.79
	500	235	17.8	5.2	520	.48	.61	.74	16.9	5.0	650	.48	.63	.76	16.0	4.7	790	.49	.64	.79	14.9	4.4	930	.50	.66	.82	13.9	4.1	1070	.51	.68	.85
	580	275	18.4	5.4	510	.49	.64	.79	17.5	5.1	640	.49	.66	.80	16.4	4.8	780	.51	.67	.83	15.4	4.5	920	.52	.70	.87	14.3	4.2	1070	.53	.72	.91

COOLING PERFORMANCE EXTENDED RATINGS

NS22H24MA4- NAM30V2 (MINIMUM CAPACITY)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75° F (23.9° C)						85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)					
			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C
59°F (15°C)	310	145	10.6	3.1	380	.93	1.00	1.00	10.1	3.0	460	.96	1.00	1.00	9.5	2.8	550	.99	1.00	1.00	8.9	2.6	650	1.00	1.00	1.00
	350	165	11.0	3.2	370	.97	1.00	1.00	10.5	3.1	460	1.00	1.00	1.00	9.9	2.9	550	1.00	1.00	1.00	9.3	2.7	650	1.00	1.00	1.00
	395	185	11.5	3.4	370	1.00	1.00	1.00	11.0	3.2	450	1.00	1.00	1.00	10.4	3.0	540	1.00	1.00	1.00	9.7	2.8	640	1.00	1.00	1.00
63°F (17.2°C)	310	145	11.0	3.2	380	.75	.90	1.00	10.3	3.0	460	.77	.92	1.00	9.6	2.8	550	.80	.96	1.00	9.0	2.6	650	.82	.99	1.00
	350	165	11.3	3.3	370	.78	.94	1.00	10.6	3.1	460	.80	.97	1.00	10.0	2.9	550	.83	1.00	1.00	9.3	2.7	640	.86	1.00	1.00
	395	185	11.6	3.4	370	.81	.98	1.00	11.0	3.2	450	.84	1.00	1.00	10.4	3.0	540	.87	1.00	1.00	9.7	2.8	640	.91	1.00	1.00
67°F (19.4°C)	310	145	11.6	3.4	370	.59	.73	.86	11.0	3.2	450	.60	.74	.88	10.3	3.0	540	.61	.77	.92	9.6	2.8	640	.63	.80	.96
	350	165	12.0	3.5	360	.61	.76	.90	11.4	3.3	450	.62	.78	.93	**10.6**	3.1	**540**	**.64**	**.80**	**.96**	9.9	2.9	640	.65	.83	1.00
	395	185	12.3	3.6	350	.63	.79	.94	11.7	3.4	440	.64	.81	.97	10.9	3.2	540	.66	.84	1.00	10.1	3.0	640	.68	.88	1.00
71°F (21.7°C)	310	145	12.3	3.6	350	.45	.57	.70	11.7	3.4	440	.45	.58	.72	11.0	3.2	540	.45	.60	.74	10.3	3.0	640	.46	.62	.77
	350	165	12.7	3.7	350	.45	.59	.73	12.1	3.5	440	.46	.61	.75	11.4	3.3	530	.46	.62	.77	10.6	3.1	630	.47	.64	.80
	395	185	13.1	3.8	340	.46	.61	.76	12.4	3.6	430	.47	.63	.78	11.7	3.4	530	.47	.64	.81	10.8	3.2	630	.48	.67	.85

COOLING PERFORMANCE EXTENDED RATINGS

NS22H36MA4- NAM36V2 (MAXIMUM CAPACITY)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																											
			85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)						115° F (46.1° C)						125° F (51.7° C)					
			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C
59°F (15°C)	1100	520	33.4	9.8	2100	.97	1.00	1.00	32.0	9.4	2370	.99	1.00	1.00	30.4	8.9	2660	1.00	1.00	1.00	28.8	8.4	2970	1.00	1.00	1.00	27.0	7.9	3310	1.00	1.00	1.00
	1170	550	34.0	10.0	2100	.99	1.00	1.00	32.6	9.6	2380	1.00	1.00	1.00	31.0	9.1	2660	1.00	1.00	1.00	29.4	8.6	2980	1.00	1.00	1.00	27.6	8.1	3310	1.00	1.00	1.00
	1350	635	35.8	10.5	2100	1.00	1.00	1.00	34.0	10.0	2370	1.00	1.00	1.00	32.2	9.4	2670	1.00	1.00	1.00	30.6	9.0	2990	1.00	1.00	1.00	28.8	8.4	3330	1.00	1.00	1.00
63°F (17.2°C)	1100	520	34.4	10.1	2100	.79	.93	1.00	32.6	9.6	2380	.81	.96	1.00	30.8	9.0	2660	.83	.99	1.00	28.8	8.4	2970	.86	1.00	1.00	27.0	7.9	3310	.89	1.00	1.00
	1170	550	35.0	10.3	2100	.80	.95	1.00	33.2	9.7	2380	.82	.98	1.00	31.2	9.1	2660	.85	1.00	1.00	29.4	8.6	2980	.87	1.00	1.00	27.6	8.1	3310	.91	1.00	1.00
	1350	635	35.8	10.5	2090	.83	1.00	1.00	34.2	10.0	2370	.86	1.00	1.00	32.6	9.6	2670	.89	1.00	1.00	30.6	9.0	2990	.93	1.00	1.00	28.8	8.4	3330	.97	1.00	1.00
67°F (19.4°C)	1100	520	36.6	10.7	2090	.62	.76	.90	34.8	10.2	2370	.64	.78	.92	32.8	9.6	2670	.65	.81	.96	30.8	9.0	2990	.67	.83	.99	28.6	8.4	3330	.69	.87	1.00
	1170	550	37.0	10.8	2090	.64	.78	.92	**35.2**	10.3	**2370**	**.65**	**.80**	**.95**	33.2	9.7	2670	.66	.82	.98	31.2	9.1	2990	.68	.85	1.00	29.0	8.5	3330	.70	.89	1.00
	1350	635	38.0	11.1	2090	.66	.82	.97	36.0	10.6	2370	.67	.84	1.00	34.2	10.0	2670	.69	.87	1.00	31.8	9.3	2990	.71	.90	1.00	29.6	8.7	3340	.74	.95	1.00
71°F (21.7°C)	1100	520	38.5	11.3	2080	.48	.61	.74	36.8	10.8	2370	.48	.62	.76	35.0	10.3	2680	.49	.64	.78	32.8	9.6	3000	.50	.65	.81	30.6	9.0	3340	.51	.68	.84
	1170	550	39.0	11.4	2080	.48	.62	.75	37.4	11.0	2370	.49	.64	.78	35.4	10.4	2680	.50	.65	.80	33.2	9.7	3000	.51	.67	.83	31.0	9.1	3350	.52	.69	.86
	1350	635	40.5	11.9	2070	.50	.65	.79	38.5	11.3	2360	.50	.66	.82	36.2	10.6	2670	.51	.68	.84	34.0	10.0	3010	.52	.70	.88	31.6	9.3	3360	.53	.73	.92

NS22H36MA4- NAM36V2 (INTERMEDIATE CAPACITY)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																											
			85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)						115° F (46.1° C)						125° F (51.7° C)					
			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C
59°F (15°C)	650	305	19.4	5.7	760	.99	1.00	1.00	18.6	5.5	910	1.00	1.00	1.00	17.6	5.2	1070	1.00	1.00	1.00	16.7	4.9	1230	1.00	1.00	1.00	15.6	4.6	1400	1.00	1.00	1.00
	740	350	20.2	5.9	750	1.00	1.00	1.00	19.3	5.7	900	1.00	1.00	1.00	18.3	5.4	1060	1.00	1.00	1.00	17.3	5.1	1220	1.00	1.00	1.00	16.3	4.8	1400	1.00	1.00	1.00
	830	390	21.0	6.2	730	1.00	1.00	1.00	19.9	5.8	890	1.00	1.00	1.00	18.9	5.5	1050	1.00	1.00	1.00	17.8	5.2	1220	1.00	1.00	1.00	16.8	4.9	1400	1.00	1.00	1.00
63°F (17.2°C)	650	305	19.8	5.8	760	.81	.95	1.00	18.7	5.5	910	.82	.98	1.00	17.6	5.2	1060	.85	1.00	1.00	16.6	4.9	1230	.88	1.00	1.00	15.7	4.6	1400	.92	1.00	1.00
	740	350	20.4	6.0	750	.83	1.00	1.00	19.3	5.7	900	.87	1.00	1.00	18.3	5.4	1060	.89	1.00	1.00	17.3	5.1	1220	.93	1.00	1.00	16.3	4.8	1400	.97	1.00	1.00
	830	390	21.0	6.2	730	.87	1.00	1.00	20.0	5.9	890	.90	1.00	1.00	18.9	5.5	1050	.93	1.00	1.00	17.8	5.2	1220	.98	1.00	1.00	16.8	4.9	1400	1.00	1.00	1.00
67°F (19.4°C)	650	305	21.0	6.2	730	.63	.78	.92	19.9	5.8	890	.64	.80	.95	18.7	5.5	1050	.66	.82	.98	17.5	5.1	1220	.68	.86	1.00	16.4	4.8	1400	.70	.89	1.00
	740	350	21.4	6.3	730	.66	.81	.97	**20.4**	6.0	**880**	**.67**	**.83**	**1.00**	19.2	5.6	1050	.69	.87	1.00	18.0	5.3	1220	.71	.91	1.00	16.7	4.9	1400	.73	.94	1.00
	830	390	22.0	6.4	720	.68	.85	1.00	20.8	6.1	880	.70	.88	1.00	19.6	5.7	1040	.72	.91	1.00	18.3	5.4	1220	.74	.95	1.00	17.0	5.0	1390	.77	.99	1.00
71°F (21.7°C)	650	305	22.2	6.5	710	.48	.62	.76	21.0	6.2	870	.49	.63	.77	19.8	5.8	1040	.49	.65	.80	18.6	5.5	1210	.50	.67	.83	17.4	5.1	1390	.51	.69	.86
	740	350	22.8	6.7	700	.49	.64	.79	21.6	6.3	860	.50	.66	.81	20.4	6.0	1030	.51	.67	.84	19.1	5.6	1210	.52	.70	.88	17.9	5.2	1390	.53	.73	.91
	830	390	23.2	6.8	690	.50	.67	.83	22.0	6.4	860	.51	.68	.85	20.8	6.1	1030	.53	.71	.89	19.4	5.7	1210	.54	.73	.92	18.2	5.3	1390	.55	.76	.97

COOLING PERFORMANCE EXTENDED RATINGS

NS22H36MA4- NAM36V2 (MINIMUM CAPACITY)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																									
			75° F (23.9° C)						85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)					
			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C
59°F (15°C)	375	175	11.1	3.3	370	1.00	1.00	1.00	10.6	3.1	450	1.00	1.00	1.00	10.1	3.0	550	1.00	1.00	1.00	9.4	2.8	660	1.00	1.00	1.00
	415	195	11.5	3.4	360	1.00	1.00	1.00	11.0	3.2	450	1.00	1.00	1.00	10.4	3.0	540	1.00	1.00	1.00	9.8	2.9	650	1.00	1.00	1.00
	465	220	12.0	3.5	350	1.00	1.00	1.00	11.4	3.3	440	1.00	1.00	1.00	10.8	3.2	540	1.00	1.00	1.00	10.1	3.0	650	1.00	1.00	1.00
63°F (17.2°C)	375	175	11.2	3.3	360	.82	.98	1.00	10.7	3.1	450	.84	1.00	1.00	10.1	3.0	550	.87	1.00	1.00	9.4	2.8	650	.91	1.00	1.00
	415	195	11.5	3.4	360	.85	1.00	1.00	11.0	3.2	450	.88	1.00	1.00	10.4	3.0	540	.91	1.00	1.00	9.8	2.9	650	.95	1.00	1.00
	465	220	12.0	3.5	350	.89	1.00	1.00	11.4	3.3	440	.92	1.00	1.00	10.8	3.2	540	.96	1.00	1.00	10.1	3.0	650	1.00	1.00	1.00
67°F (19.4°C)	375	175	12.0	3.5	350	.64	.80	.95	11.4	3.3	440	.66	.82	.98	10.7	3.1	540	.67	.85	1.00	9.9	2.9	650	.70	.88	1.00
	415	195	12.2	3.6	340	.66	.83	.99	11.7	3.4	440	.68	.85	1.00	**10.9**	3.2	**540**	**.70**	**.88**	**1.00**	10.1	3.0	650	.72	.92	1.00
	465	220	12.5	3.7	340	.69	.87	1.00	11.9	3.5	430	.70	.89	1.00	11.2	3.3	530	.72	.93	1.00	10.3	3.0	640	.75	.97	1.00
71°F (21.7°C)	375	175	12.8	3.8	330	.48	.63	.77	12.1	3.5	430	.49	.64	.79	11.4	3.3	530	.50	.66	.82	10.6	3.1	640	.51	.68	.85
	415	195	13.1	3.8	320	.50	.65	.80	12.4	3.6	420	.50	.66	.82	11.7	3.4	520	.51	.68	.85	10.8	3.2	630	.52	.71	.89
	465	220	13.4	3.9	320	.50	.68	.84	12.7	3.7	420	.52	.69	.87	12.0	3.5	520	.52	.71	.90	11.1	3.3	630	.54	.74	.94

COOLING PERFORMANCE EXTENDED RATINGS

NS22H48MA4- NAM60V2 (MAXIMUM CAPACITY)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																													
			85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)						115° F (46.1° C)						125° F (51.7° C)					
			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C
59°F (15°C)	1400	660	45.0	13.2	2800	.93	1.00	1.00	43.5	12.7	3180	.95	1.00	1.00	41.5	12.2	3600	.98	1.00	1.00	38.5	11.3	4090	1.00	1.00	1.00	34.8	10.2	4660	1.00	1.00	1.00
	1600	755	47.0	13.8	2790	.97	1.00	1.00	45.5	13.3	3170	.99	1.00	1.00	43.0	12.6	3590	1.00	1.00	1.00	40.0	11.7	4070	1.00	1.00	1.00	36.4	10.7	4650	1.00	1.00	1.00
	1800	850	48.5	14.2	2790	1.00	1.00	1.00	47.0	13.8	3160	1.00	1.00	1.00	44.5	13.0	3590	1.00	1.00	1.00	41.5	12.2	4060	1.00	1.00	1.00	37.6	11.0	4640	1.00	1.00	1.00
63°F (17.2°C)	1400	660	46.5	13.6	2790	.77	.90	1.00	44.5	13.0	3170	.78	.92	1.00	42.5	12.5	3590	.80	.95	1.00	39.0	11.4	4090	.83	.99	1.00	35.0	10.3	4660	.85	1.00	1.00
	1600	755	48.0	14.1	2790	.79	.94	1.00	46.0	13.5	3170	.81	.96	1.00	43.5	12.7	3590	.83	.99	1.00	40.0	11.7	4070	.87	1.00	1.00	36.4	10.7	4650	.93	1.00	1.00
	1800	850	49.0	14.4	2790	.82	.98	1.00	47.0	13.8	3160	.84	1.00	1.00	44.5	13.0	3590	.87	1.00	1.00	41.5	12.2	4060	.90	1.00	1.00	37.6	11.0	4640	.98	1.00	1.00
67°F (19.4°C)	1400	660	49.0	14.4	2790	.62	.74	.87	47.0	13.8	3160	.62	.76	.89	44.5	13.0	3590	.64	.78	.92	41.0	12.0	4070	.65	.81	.96	36.6	10.7	4650	.69	.86	1.00
	1600	755	50.5	14.8	2790	.63	.77	.91	**48.5**	14.2	**3160**	**.64**	**.79**	**.93**	45.5	13.3	3580	.66	.81	.96	42.0	12.3	4060	.68	.85	1.00	37.6	11.0	4640	.71	.91	1.00
	1800	850	51.5	15.1	2780	.65	.80	.95	49.5	14.5	3160	.66	.82	.97	46.5	13.6	3580	.68	.85	1.00	43.0	12.6	4060	.70	.89	1.00	38.5	11.3	4640	.74	.95	1.00
71°F (21.7°C)	1400	660	51.5	15.1	2780	.47	.60	.72	49.5	14.5	3160	.47	.61	.74	47.0	13.8	3570	.48	.62	.76	43.5	12.7	4060	.48	.64	.79	39.0	11.4	4630	.50	.68	.84
	1600	755	53.0	15.5	2780	.48	.62	.75	51.0	14.9	3160	.49	.63	.77	48.0	14.1	3570	.49	.65	.79	44.5	13.0	4050	.50	.67	.83	40.0	11.7	4620	.52	.70	.88
	1800	850	54.5	16.0	2780	.49	.64	.78	52.0	15.2	3150	.50	.65	.80	49.5	14.5	3570	.50	.67	.83	45.5	13.3	4040	.52	.69	.86	40.5	11.9	4610	.52	.73	.93

NS22H48MA4- NAM60V2 (INTERMEDIATE CAPACITY)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																													
			85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)						115° F (46.1° C)						125° F (51.7° C)					
			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C
59°F (15°C)	900	425	29.6	8.7	1220	.93	1.00	1.00	28.6	8.4	1470	.95	1.00	1.00	27.4	8.0	1730	.98	1.00	1.00	26.4	7.7	2000	1.00	1.00	1.00	24.8	7.3	2320	1.00	1.00	1.00
	1000	470	30.6	9.0	1210	.96	1.00	1.00	29.6	8.7	1450	.98	1.00	1.00	28.4	8.3	1710	1.00	1.00	1.00	27.2	8.0	1990	1.00	1.00	1.00	25.6	7.5	2300	1.00	1.00	1.00
	1100	520	31.6	9.3	1190	.99	1.00	1.00	30.4	8.9	1440	1.00	1.00	1.00	29.2	8.6	1700	1.00	1.00	1.00	27.8	8.1	1990	1.00	1.00	1.00	26.4	7.7	2300	1.00	1.00	1.00
63°F (17.2°C)	900	425	30.6	9.0	1210	.76	.89	1.00	29.2	8.6	1460	.78	.92	1.00	28.0	8.2	1720	.80	.94	1.00	26.6	7.8	2000	.82	.97	1.00	25.0	7.3	2320	.85	1.00	1.00
	1000	470	31.4	9.2	1190	.78	.93	1.00	30.0	8.8	1450	.80	.95	1.00	28.6	8.4	1710	.82	.98	1.00	27.4	8.0	1990	.85	1.00	1.00	25.8	7.6	2300	.88	1.00	1.00
	1100	520	32.0	9.4	1180	.81	.95	1.00	30.8	9.0	1440	.82	.98	1.00	29.4	8.6	1700	.85	1.00	1.00	28.0	8.2	1990	.88	1.00	1.00	26.6	7.8	2290	.91	1.00	1.00
67°F (19.4°C)	900	425	32.4	9.5	1180	.61	.74	.86	31.0	9.1	1430	.62	.76	.88	29.6	8.7	1700	.63	.77	.91	28.2	8.3	1980	.65	.79	.94	26.4	7.7	2300	.66	.82	.98
	1000	470	33.2	9.7	1160	.63	.76	.89	**31.8**	9.3	**1420**	**.64**	**.78**	**.92**	30.4	8.9	1690	.65	.80	.95	28.6	8.4	1980	.66	.83	.98	27.0	7.9	2290	.68	.85	1.00
	1100	520	34.0	10.0	1150	.64	.78	.93	32.4	9.5	1410	.65	.80	.95	31.0	9.1	1680	.67	.82	.98	29.2	8.6	1970	.68	.85	1.00	27.4	8.0	2290	.70	.89	1.00
71°F (21.7°C)	900	425	34.2	10.0	1150	.47	.60	.72	32.8	9.6	1410	.47	.61	.73	31.4	9.2	1680	.48	.62	.75	29.6	8.7	1960	.48	.63	.77	27.8	8.1	2280	.49	.65	.80
	1000	470	35.0	10.3	1140	.48	.61	.74	33.6	9.8	1400	.48	.63	.76	32.0	9.4	1670	.49	.64	.78	30.2	8.9	1960	.49	.65	.80	28.4	8.3	2270	.50	.67	.83
	1100	520	35.8	10.5	1130	.48	.63	.76	34.2	10.0	1390	.49	.64	.78	32.6	9.6	1660	.50	.66	.80	30.8	9.0	1950	.51	.67	.83	29.0	8.5	2260	.51	.69	.86

COOLING PERFORMANCE EXTENDED RATINGS

NS22H48MA4- NAM60V2 (MINIMUM CAPACITY)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75° F (23.9° C)						85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)					
			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C
59°F (15°C)	700	330	20.8	6.1	770	.99	1.00	1.00	20.0	5.9	980	1.00	1.00	1.00	19.3	5.7	1200	1.00	1.00	1.00	18.5	5.4	1420	1.00	1.00	1.00
	750	355	21.2	6.2	760	1.00	1.00	1.00	20.6	6.0	970	1.00	1.00	1.00	19.8	5.8	1190	1.00	1.00	1.00	18.9	5.5	1420	1.00	1.00	1.00
	800	380	21.8	6.4	750	1.00	1.00	1.00	21.0	6.2	960	1.00	1.00	1.00	20.2	5.9	1180	1.00	1.00	1.00	19.1	5.6	1410	1.00	1.00	1.00
63°F (17.2°C)	700	330	21.0	6.2	760	.81	.96	1.00	20.2	5.9	980	.83	.98	1.00	19.4	5.7	1200	.85	1.00	1.00	18.5	5.4	1420	.88	1.00	1.00
	750	355	21.4	6.3	750	.82	.98	1.00	20.6	6.0	970	.85	1.00	1.00	19.8	5.8	1190	.87	1.00	1.00	18.9	5.5	1420	.90	1.00	1.00
	800	380	21.8	6.4	750	.84	1.00	1.00	21.0	6.2	960	.87	1.00	1.00	20.2	5.9	1180	.89	1.00	1.00	19.1	5.6	1410	.93	1.00	1.00
67°F (19.4°C)	700	330	22.4	6.6	740	.64	.78	.92	21.4	6.3	960	.65	.80	.95	20.4	6.0	1180	.67	.83	.98	19.3	5.7	1410	.68	.85	1.00
	750	355	22.8	6.7	730	.65	.80	.95	21.8	6.4	950	.66	.82	.98	**20.6**	6.0	**1170**	**.68**	**.85**	**1.00**	19.6	5.7	1410	.70	.88	1.00
	800	380	23.0	6.7	720	.66	.82	.97	22.0	6.4	950	.68	.84	1.00	21.0	6.2	1170	.69	.87	1.00	19.8	5.8	1400	.71	.90	1.00
71°F (21.7°C)	700	330	23.6	6.9	710	.48	.63	.76	22.6	6.6	940	.48	.64	.78	21.6	6.3	1160	.48	.65	.80	20.4	6.0	1390	.49	.67	.83
	750	355	24.0	7.0	710	.49	.64	.78	23.0	6.7	930	.49	.65	.80	22.0	6.4	1160	.50	.67	.82	20.8	6.1	1390	.50	.68	.85
	800	380	24.4	7.2	700	.50	.65	.80	23.2	6.8	930	.50	.67	.82	22.2	6.5	1150	.51	.68	.84	21.0	6.2	1380	.51	.70	.88

COOLING PERFORMANCE EXTENDED RATINGS

NS22H60MA4- NAM60V2 (MAXIMUM CAPACITY)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																													
			85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)						115° F (46.1° C)						125° F (51.7° C)					
			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C
59°F (15°C)	1700	800	54.0	15.8	3290	.93	1.00	1.00	52.5	15.4	3730	.95	1.00	1.00	50.5	14.8	4240	.97	1.00	1.00	48.5	14.2	4870	1.00	1.00	1.00	46.5	13.6	5650	1.00	1.00	1.00
	1750	825	54.5	16.0	3300	.94	1.00	1.00	53.0	15.5	3730	.96	1.00	1.00	51.0	14.9	4240	.98	1.00	1.00	49.0	14.4	4880	1.00	1.00	1.00	47.0	13.8	5660	1.00	1.00	1.00
	1850	875	56.0	16.4	3300	.96	1.00	1.00	54.0	15.8	3730	.97	1.00	1.00	51.5	15.1	4250	.99	1.00	1.00	50.0	14.7	4890	1.00	1.00	1.00	47.5	13.9	5670	1.00	1.00	1.00
63°F (17.2°C)	1700	800	56.0	16.4	3300	.76	.90	1.00	53.5	15.7	3730	.78	.92	1.00	51.5	15.1	4250	.79	.94	1.00	49.5	14.5	4880	.81	.97	1.00	47.0	13.8	5660	.84	.99	1.00
	1750	825	56.5	16.6	3300	.77	.91	1.00	54.0	15.8	3730	.78	.93	1.00	52.0	15.2	4250	.80	.95	1.00	49.5	14.5	4890	.82	.98	1.00	47.0	13.8	5660	.85	1.00	1.00
	1850	875	57.0	16.7	3310	.78	.92	1.00	55.0	16.1	3740	.80	.94	1.00	52.5	15.4	4260	.82	.97	1.00	50.5	14.8	4890	.84	.99	1.00	47.5	13.9	5670	.86	1.00	1.00
67°F (19.4°C)	1700	800	59.5	17.4	3310	.62	.74	.86	57.0	16.7	3750	.62	.76	.88	54.5	16.0	4270	.63	.77	.91	52.0	15.2	4910	.64	.79	.94	49.5	14.5	5690	.66	.81	.97
	1750	825	59.5	17.4	3310	.62	.75	.88	**57.5**	16.9	**3750**	**.63**	**.76**	**.89**	54.5	16.0	4270	.64	.78	.92	52.5	15.4	4910	.65	.80	.95	49.5	14.5	5690	.66	.82	.98
	1850	875	60.5	17.7	3320	.63	.76	.89	57.5	16.9	3750	.64	.78	.91	55.5	16.3	4280	.65	.79	.94	53.0	15.5	4920	.66	.81	.97	50.0	14.7	5690	.67	.84	.99
71°F (21.7°C)	1700	800	62.0	18.2	3320	.47	.60	.72	60.0	17.6	3760	.47	.61	.73	57.0	16.7	4290	.48	.62	.75	54.5	16.0	4930	.48	.63	.77	51.5	15.1	5710	.49	.65	.79
	1750	825	62.5	18.3	3320	.47	.61	.73	60.0	17.6	3760	.48	.62	.74	57.5	16.9	4290	.48	.63	.76	55.0	16.1	4940	.49	.64	.78	52.0	15.2	5720	.49	.65	.80
	1850	875	63.5	18.6	3330	.48	.61	.74	60.5	17.7	3760	.48	.62	.75	58.0	17.0	4290	.49	.64	.77	55.0	16.1	4940	.49	.65	.79	52.5	15.4	5720	.50	.66	.81

NS22H60MA4- NAM60V2 (INTERMEDIATE CAPACITY)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																													
			85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)						115° F (46.1° C)						125° F (51.7° C)					
			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C
59°F (15°C)	1050	495	34.4	10.1	1460	.93	1.00	1.00	33.2	9.7	1750	.95	1.00	1.00	32.2	9.4	2050	.97	1.00	1.00	30.8	9.0	2380	1.00	1.00	1.00	29.4	8.6	2780	.00	1.00	1.00
	1110	525	35.0	10.3	1460	.94	1.00	1.00	33.8	9.9	1750	.97	1.00	1.00	32.6	9.6	2040	.99	1.00	1.00	31.2	9.1	2380	1.00	1.00	1.00	30.0	8.8	2770	.00	1.00	1.00
	1175	555	35.8	10.5	1450	.96	1.00	1.00	34.6	10.1	1740	.98	1.00	1.00	33.4	9.8	2040	1.00	1.00	1.00	31.8	9.3	2370	1.00	1.00	1.00	30.4	8.9	2770	.00	1.00	1.00
63°F (17.2°C)	1050	495	35.6	10.4	1450	.76	.89	1.00	34.2	10.0	1750	.78	.92	1.00	32.8	9.6	2040	.80	.94	1.00	31.0	9.1	2380	.82	.97	1.00	29.6	8.7	2780	.00	1.00	1.00
	1110	525	36.0	10.6	1450	.77	.91	1.00	34.6	10.1	1740	.79	.93	1.00	33.2	9.7	2040	.81	.96	1.00	31.6	9.3	2380	.83	.99	1.00	30.0	8.8	2770	.00	1.00	1.00
	1175	555	36.6	10.7	1440	.78	.93	1.00	35.0	10.3	1730	.80	.95	1.00	33.6	9.8	2030	.82	.98	1.00	32.0	9.4	2370	.84	1.00	1.00	30.4	8.9	2770	.00	1.00	1.00
67°F (19.4°C)	1050	495	37.8	11.1	1430	.61	.74	.86	36.2	10.6	1720	.62	.75	.88	34.4	10.1	2020	.63	.77	.91	32.8	9.6	2360	.64	.79	.93	31.0	9.1	2760	.00	.82	.97
	1110	525	38.0	11.1	1420	.62	.75	.88	**36.6**	10.7	**1720**	**.63**	**.77**	**.90**	34.8	10.2	2020	.64	.79	.93	33.2	9.7	2350	.65	.81	.96	31.4	9.2	2750	.00	.83	.99
	1175	555	38.5	11.3	1420	.63	.76	.89	37.0	10.8	1710	.64	.78	.92	35.2	10.3	2010	.65	.80	.94	33.6	9.8	2350	.66	.82	.98	31.8	9.3	2750	.00	.85	1.00
71°F (21.7°C)	1050	495	40.0	11.7	1400	.47	.60	.72	38.0	11.1	1700	.48	.61	.73	36.4	10.7	2000	.48	.62	.75	34.6	10.1	2330	.48	.63	.77	32.8	9.6	2730	.00	.65	.79
	1110	525	40.5	11.9	1400	.47	.61	.73	38.5	11.3	1700	.48	.62	.74	36.8	10.8	1990	.48	.63	.76	35.0	10.3	2330	.49	.64	.78	33.2	9.7	2720	.00	.66	.81
	1175	555	41.0	12.0	1390	.48	.62	.74	39.0	11.4	1690	.48	.63	.76	37.2	10.9	1990	.49	.64	.78	35.6	10.4	2320	.49	.65	.80	33.6	9.8	2710	.00	.67	.00

COOLING PERFORMANCE EXTENDED RATINGS

NS22H60MA4- NAM60V2 (MINIMUM CAPACITY)

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			75° F (23.9° C)						85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)			
			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible To Total Ratio (S/T)		
						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb						Indoor Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C
59°F (15°C)	875	415	23.4	6.9	750	1.00	1.00	1.00	22.4	6.6	960	1.00	1.00	1.00	21.6	6.3	1190	1.00	1.00	1.00	20.4	6.0	1430	1.00	1.00	1.00
	915	430	23.6	6.9	750	1.00	1.00	1.00	22.8	6.7	960	1.00	1.00	1.00	21.8	6.4	1190	1.00	1.00	1.00	20.8	6.1	1430	1.00	1.00	1.00
	965	455	24.0	7.0	740	1.00	1.00	1.00	23.2	6.8	960	1.00	1.00	1.00	22.0	6.4	1200	1.00	1.00	1.00	21.0	6.2	1430	1.00	1.00	1.00
63°F (17.2°C)	875	415	23.4	6.9	750	.84	1.00	1.00	22.4	6.6	960	.86	1.00	1.00	21.6	6.3	1190	.89	1.00	1.00	20.4	6.0	1430	.92	1.00	1.00
	915	430	23.8	7.0	750	.85	1.00	1.00	22.8	6.7	960	.88	1.00	1.00	21.8	6.4	1190	.90	1.00	1.00	20.8	6.1	1430	.94	1.00	1.00
	965	455	24.0	7.0	740	.87	1.00	1.00	23.2	6.8	960	.89	1.00	1.00	22.2	6.5	1200	.92	1.00	1.00	21.0	6.2	1430	.96	1.00	1.00
67°F (19.4°C)	875	415	24.6	7.2	740	.66	.82	.97	23.6	6.9	960	.68	.84	1.00	22.4	6.6	1200	.69	.87	1.00	21.0	6.2	1430	.71	.90	1.00
	915	430	25.0	7.3	740	.67	.83	.98	23.8	7.0	960	.68	.85	1.00	**22.6**	6.6	**1200**	**.70**	**.88**	**1.00**	21.2	6.2	1430	.72	.92	1.00
	965	455	25.2	7.4	740	.68	.85	1.00	24.0	7.0	970	.70	.87	1.00	22.8	6.7	1200	.71	.90	1.00	21.4	6.3	1440	.73	.94	1.00
71°F (21.7°C)	875	415	26.0	7.6	740	.50	.65	.79	25.0	7.3	970	.50	.66	.82	23.6	6.9	1210	.51	.68	.84	22.2	6.5	1450	.52	.70	.87
	915	430	26.4	7.7	740	.50	.66	.81	25.2	7.4	970	.50	.67	.83	23.8	7.0	1210	.52	.69	.86	22.4	6.6	1450	.53	.71	.89
	965	455	26.6	7.8	740	.51	.67	.82	25.4	7.4	970	.51	.69	.85	24.2	7.1	1210	.52	.70	.88	22.6	6.6	1450	.53	.73	.91

HEATING PERFORMANCE EXTENDED RATINGS

NS22H24MA4- NAM30V2 - INDOOR COIL AT 65°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 65°F db (18°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
350	165	11.5	3.4	495	10.8	3.2	485	10.1	3.0	480	9.3	2.7	475
355	170	11.5	3.4	490	10.8	3.2	485	10.1	3.0	480	9.3	2.7	475
400	190	11.7	3.4	465	11.0	3.2	455	10.2	3.0	450	9.5	2.8	445

MAXIMUM CAPACITY

Indoor Coil Air Volume 65°F db (18°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)			
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	28.1	8.2	1525	22.5	6.6	1410	16.9	5.0	1290	12.0	3.5	1155	6.0	1.8	855
900	425	28.2	8.3	1485	22.7	6.7	1370	17.0	5.0	1250	12.2	3.6	1115	6.2	1.8	810
950	450	28.4	8.3	1465	22.9	6.7	1350	17.2	5.0	1230	12.4	3.6	1100	6.4	1.9	795

Outdoor Temp.																					
	°F	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10	-15	-20
	°C	18	16	13	10	8	7	4	2	-1	-4	-7	-8	-9	-12	-15	-18	-21	-23	-26	-29
Compressor Motor kW Input		1.49	1.46	1.43	1.41	1.39	1.37	1.32	1.28	1.26	1.25	1.24	1.23	1.22	1.19	1.12	1.04	0.97	0.89	0.81	0.74
Total Output	kBtuh	28.2	26.9	25.5	24.2	23.4	22.7	20.7	18.8	17.9	17	16.1	15.5	15	13.7	12.2	10.7	9.2	7.7	6.2	4.7
	kW	8.3	7.9	7.5	7.1	6.9	6.7	6.1	5.5	5.2	5	4.7	4.5	4.4	4	3.6	3.1	2.7	2.3	1.8	1.4
COP		4.75	4.61	4.42	4.27	4.18	4.08	3.84	3.58	3.45	3.3	3.14	3.05	2.97	2.77	2.63	2.47	2.3	2.09	1.83	1.55

	Inputs					
	Cap	Watts	Cap	Watts	Cap	Watts
	Low		Med		High	
CFM	350		355		400	
62°F Low	11065.243	489.814	11071.873	487.08	11239.699	459.07
47°F Low	---	---	8902.21	469.699	---	---
CFM	800		900		950	
47°F	23322.877	1429.024	23436.501	1387.169	23645.831	1371.3
35°F	---	---	18777.257	1274.309	---	---
17°F	---	---	15512.77	1227.5	---	---

HEATING PERFORMANCE EXTENDED RATINGS

NS22H24MA4 - NAM30V2 - INDOOR COIL AT 70°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
350	165	11.2	3.3	535	10.5	3.1	530	9.8	2.9	520	9.1	2.7	515
355	170	11.3	3.3	535	10.5	3.1	525	9.8	2.9	520	9.1	2.7	510
400	190	11.4	3.3	505	10.7	3.1	500	10.0	2.9	490	9.3	2.7	485

MAXIMUM CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)			
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		
800	380	27.7	8.1	1625	22.1	6.5	1490	16.4	4.8	1350	11.6	3.4	1205	5.8	1.7	890	
900	425	27.9	8.2	1585	22.3	6.5	1450	16.6	4.9	1310	11.8	3.5	1160	6.0	1.8	850	
950	450	28.1	8.2	1565	22.6	6.6	1435	16.8	4.9	1295	12.0	3.5	1145	6.2	1.8	835	

Outdoor Temp.	°F	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10	-15	-20
	°C	18	16	13	10	8	7	4	2	-1	-4	-7	-8	-9	-12	-15	-18	-21	-23	-26	-29
Compressor Motor kW Input		1.59	1.55	1.52	1.49	1.47	1.45	1.4	1.34	1.33	1.31	1.3	1.29	1.27	1.24	1.16	1.09	1.01	0.93	0.85	0.77
Total Output	kBtuh	27.9	26.6	25.3	23.9	23.1	22.3	20.4	18.4	17.5	16.6	15.7	15.1	14.6	13.3	11.8	10.4	8.9	7.5	6	4.5
	kW	8.2	7.8	7.4	7	6.8	6.5	6	5.4	5.1	4.9	4.6	4.4	4.3	3.9	3.5	3	2.6	2.2	1.8	1.3
COP		4.44	4.31	4.16	4	3.91	3.82	3.6	3.35	3.22	3.1	2.97	2.87	2.8	2.6	2.45	2.33	2.16	1.96	1.72	1.42

	Inputs					
	Cap	Watts	Cap	Watts	Cap	Watts
	Low		Med		High	
CFM	350		355		400	
62°F Low	10820.529	532.595	10827.913	529.886	11007.339	502.178
47°F Low	---	---	8701.139	507.195	---	---
CFM	800		900		950	
47°F	22927.448	1511.444	23131.705	1471.123	23336.973	1454.932
35°F	---	---	18424.25	1340.945	---	---
17°F	---	---	15137.893	1284.341	---	---

HEATING PERFORMANCE EXTENDED RATINGS

NS22H24MA4 - NAM30V2 - INDOOR COIL AT 75°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 75°F db (24°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
350	165	11.0	3.2	580	10.3	3.0	575	9.6	2.8	565	8.9	2.6	555
355	170	11.0	3.2	580	10.3	3.0	570	9.6	2.8	560	8.9	2.6	550
400	190	11.2	3.3	550	10.5	3.1	540	9.8	2.9	535	9.1	2.7	525

MAXIMUM CAPACITY

Indoor Coil Air Volume 75°F db (24°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)			
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	27.2	8.0	1720	21.7	6.4	1570	16.1	4.7	1415	11.4	3.3	1255	5.7	1.7	930
900	425	27.4	8.0	1680	21.9	6.4	1530	16.3	4.8	1375	11.6	3.4	1215	5.9	1.7	890
950	450	27.6	8.1	1665	22.1	6.5	1515	16.5	4.8	1355	11.8	3.5	1200	6.1	1.8	870

Outdoor Temp.	°F	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10	-15	-20
	°C	18	16	13	10	8	7	4	2	-1	-4	-7	-8	-9	-12	-15	-18	-21	-23	-26	-29
Compressor Motor kW Input		1.68	1.65	1.61	1.58	1.56	1.53	1.47	1.41	1.39	1.38	1.36	1.35	1.33	1.3	1.22	1.14	1.05	0.97	0.89	0.81
Total Output	kBtuh	27.4	26.1	24.8	23.5	22.7	21.9	20	18	17.2	16.3	15.4	14.8	14.3	13	11.6	10.2	8.7	7.3	5.9	4.5
	kW	8	7.6	7.3	6.9	6.7	6.4	5.9	5.3	5	4.8	4.5	4.3	4.2	3.8	3.4	3	2.5	2.1	1.7	1.3
COP		4.14	4.02	3.89	3.76	3.67	3.58	3.39	3.16	3.05	2.91	2.79	2.69	2.64	2.44	2.33	2.2	2.02	1.84	1.63	1.37

	Inputs					
	Cap	Watts	Cap	Watts	Cap	Watts
	Low		Med		High	
CFM	350		355		400	
62°F Low	10567.331	576.329	10573.301	573.596	10755.099	546.009
47°F Low	---	---	8493.109	546.141	---	---
CFM	800		900		950	
47°F	22487.211	1595.792	22698.463	1555.167	22896.742	1538.802
35°F	---	---	18048.547	1408.316	---	---
17°F	---	---	14849.007	1344.605	---	---

HEATING PERFORMANCE EXTENDED RATINGS

NS22H36MA4- NAM36V2 - INDOOR COIL AT 65°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 65°F db (18°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	11.8	3.5	390	11.3	3.3	390	10.7	3.1	395	10.1	3.0	395
650	305	11.9	3.5	380	11.3	3.3	380	10.7	3.1	385	10.1	3.0	385
700	330	11.9	3.5	370	11.4	3.3	370	10.8	3.2	375	10.2	3.0	375

MAXIMUM CAPACITY

Indoor Coil Air Volume 65°F db (18°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)			
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1200	565	41.4	12.1	2530	33.7	9.9	2300	26.0	7.6	2065	18.3	5.4	1790	9.1	2.7	1325
1300	615	41.6	12.2	2485	34.0	10.0	2255	26.3	7.7	2020	18.5	5.4	1745	9.3	2.7	1280
1400	660	42.0	12.3	2450	34.4	10.1	2215	26.7	7.8	1980	18.9	5.5	1705	9.7	2.8	1240

Outdoor Temp.	°F	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10	-15	-20
	°C	18	16	13	10	8	7	4	2	-1	-4	-7	-8	-9	-12	-15	-18	-21	-23	-26	-29
Compressor Motor kW Input		2.49	2.43	2.38	2.32	2.28	2.26	2.19	2.12	2.07	2.02	1.97	1.94	1.92	1.86	1.75	1.63	1.52	1.4	1.28	1.17
Total Output	kBtuh	41.6	39.7	37.8	36	34.8	34	31.9	29.8	28.1	26.3	24.5	23.5	22.7	20.8	18.5	16.2	13.9	11.6	9.3	7
	kW	12.2	11.6	11.1	10.6	10.2	10	9.3	8.7	8.2	7.7	7.2	6.9	6.7	6.1	5.4	4.7	4.1	3.4	2.7	2.1
COP		4.04	3.93	3.82	3.7	3.62	3.57	3.44	3.29	3.17	3.02	2.86	2.78	2.7	2.54	2.41	2.26	2.09	1.9	1.66	1.38

	Inputs					
	Cap	Watts	Cap	Watts	Cap	Watts
	Low		Med		High	
CFM	600		650		700	
62°F Low	11494.464	391.116	11511.595	380.311	11595.016	371.411
47°F Low	---	---	9747.725	387.27	---	---
CFM	1200		1300		1400	
47°F	34557.406	2327.423	34819.892	2282.185	35199.42	2243.933
35°F	---	---	29826.381	2114.276	---	---
17°F	---	---	23479.26	1940.949	---	---

HEATING PERFORMANCE EXTENDED RATINGS

NS22H36MA4- NAM36V2 - INDOOR COIL AT 70°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	11.7	3.4	430	11.1	3.3	435	10.5	3.1	435	9.9	2.9	435
650	305	11.8	3.5	420	11.2	3.3	420	10.6	3.1	425	10.0	2.9	425
700	330	11.8	3.5	410	11.2	3.3	415	10.6	3.1	415	10.0	2.9	415

MAXIMUM CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)			
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1200	565	40.8	12.0	2670	33.2	9.7	2415	25.6	7.5	2155	17.9	5.2	1865	8.9	2.6	1380
1300	615	41.1	12.0	2630	33.5	9.8	2370	25.9	7.6	2110	18.2	5.3	1820	9.2	2.7	1340
1400	660	41.4	12.1	2590	33.9	9.9	2335	26.2	7.7	2075	18.6	5.5	1780	9.6	2.8	1300

Outdoor Temp.	°F	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10	-15	-20
	°C	18	16	13	10	8	7	4	2	-1	-4	-7	-8	-9	-12	-15	-18	-21	-23	-26	-29
Compressor Motor kW Input		2.63	2.57	2.51	2.44	2.41	2.37	2.3	2.22	2.17	2.11	2.06	2.03	2.01	1.94	1.82	1.7	1.58	1.46	1.34	1.22
Total Output	kBtuh	41.1	39.2	37.3	35.5	34.3	33.5	31.4	29.3	27.6	25.9	24.1	23.1	22.4	20.5	18.2	16	13.7	11.5	9.2	6.9
	kW	12	11.5	10.9	10.4	10.1	9.8	9.2	8.6	8.1	7.6	7.1	6.8	6.6	6	5.3	4.7	4	3.4	2.7	2
COP		3.81	3.7	3.61	3.5	3.42	3.37	3.25	3.12	3	2.86	2.72	2.63	2.58	2.42	2.29	2.16	2	1.81	1.59	1.31

	Inputs					
	Cap	Watts	Cap	Watts	Cap	Watts
	Low		Med		High	
CFM	600		650		700	
62°F Low	11373.106	432.91	11396.299	421.97	11482.22	412.608
47°F Low	---	---	9604.999	424.05	---	---
CFM	1200		1300		1400	
47°F	34039.158	2446.321	34330.591	2403.429	34693.878	2364.872
35°F	---	---	29313.87	2215.549	---	---
17°F	---	---	23109.763	2028.552	---	---

HEATING PERFORMANCE EXTENDED RATINGS

NS22H36MA4 - NAM36V2 - INDOOR COIL AT 75°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 75°F db (24°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
600	285	11.6	3.4	475	11.0	3.2	475	10.4	3.0	475	9.8	2.9	475
650	305	11.6	3.4	465	11.0	3.2	465	10.4	3.0	465	9.8	2.9	465
700	330	11.7	3.4	455	11.1	3.3	455	10.5	3.1	455	9.9	2.9	455

MAXIMUM CAPACITY

Indoor Coil Air Volume 75°F db (24°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)			
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1200	565	40.0	11.7	2805	32.7	9.6	2535	25.3	7.4	2255	17.8	5.2	1950	8.8	2.6	1445
1300	615	40.3	11.8	2760	33.0	9.7	2490	25.6	7.5	2210	18.1	5.3	1905	9.1	2.7	1400
1400	660	40.7	11.9	2725	33.3	9.8	2450	25.9	7.6	2175	18.5	5.4	1870	9.5	2.8	1365

Outdoor Temp.	°F	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10	-15	-20
	°C	18	16	13	10	8	7	4	2	-1	-4	-7	-8	-9	-12	-15	-18	-21	-23	-26	-29
Compressor Motor kW Input		2.76	2.7	2.63	2.57	2.53	2.49	2.41	2.32	2.27	2.21	2.16	2.13	2.1	2.03	1.91	1.78	1.66	1.53	1.4	1.28
Total Output	kBtuh	40.3	38.5	36.7	34.9	33.8	33	30.9	28.9	27.2	25.6	23.9	22.9	22.2	20.4	18.1	15.9	13.6	11.4	9.1	6.9
	kW	11.8	11.3	10.8	10.2	9.9	9.7	9.1	8.5	8	7.5	7	6.7	6.5	6	5.3	4.7	4	3.3	2.7	2
COP		3.59	3.49	3.4	3.3	3.24	3.2	3.08	2.97	2.85	2.73	2.59	2.52	2.46	2.33	2.2	2.07	1.91	1.74	1.51	1.26

	Inputs					
	Cap	Watts	Cap	Watts	Cap	Watts
	Low		Med		High	
CFM	600		650		700	
62°F Low	11232.176	476.211	11259.244	465.08	11350.099	455.537
47°F Low	---	---	9482.946	462.818	---	---
CFM	1200		1300		1400	
47°F	33517.085	2567.88	33792.639	2523.452	34162.143	2485.308
35°F	---	---	28859.193	2320.421	---	---
17°F	---	---	22911.995	2125.162	---	---

HEATING PERFORMANCE EXTENDED RATINGS

NS22H48MA4 - NAM60V2 - INDOOR COIL AT 65°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 65°F db (18°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
925	435	21.0	6.2	735	19.7	5.8	745	18.4	5.4	755	17.2	5.0	765
975	460	20.9	6.1	720	19.7	5.8	730	18.4	5.4	740	17.1	5.0	750
1025	485	21.0	6.2	705	19.8	5.8	715	18.5	5.4	725	17.2	5.0	735

MAXIMUM CAPACITY

Indoor Coil Air Volume 65°F db (18°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)			
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1450	685	55.0	16.1	3125	43.2	12.7	2925	31.2	9.1	2725	20.5	6.0	2430	10.4	3.0	1795
1650	780	55.5	16.3	3015	43.7	12.8	2815	31.7	9.3	2615	21.0	6.2	2325	10.8	3.2	1690
1850	875	56.4	16.5	2930	44.6	13.1	2735	32.6	9.6	2530	22.0	6.4	2240	11.8	3.5	1605

Outdoor Temp.	°F	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10	-15	-20
	°C	18	16	13	10	8	7	4	2	-1	-4	-7	-8	-9	-12	-15	-18	-21	-23	-26	-29
Compressor Motor kW Input		3.02	2.97	2.92	2.87	2.84	2.82	2.76	2.7	2.66	2.62	2.58	2.55	2.53	2.48	2.33	2.17	2.01	1.85	1.69	1.53
Total Output	kBtuh	55.5	52.6	49.7	46.8	45	43.7	40.2	36.8	34.2	31.7	29.2	27.6	26.5	23.6	21	18.5	15.9	13.4	10.8	8.3
	kW	16.3	15.4	14.6	13.7	13.2	12.8	11.8	10.8	10	9.3	8.6	8.1	7.8	6.9	6.2	5.4	4.7	3.9	3.2	2.4
COP		4.42	4.25	4.07	3.87	3.76	3.67	3.43	3.19	3	2.81	2.62	2.5	2.42	2.18	2.08	1.96	1.83	1.67	1.48	1.25

	Inputs					
	Cap	Watts	Cap	Watts	Cap	Watts
	Low		Med		High	
CFM	925		975		1025	
62°F Low	20216.4	742.526	20159.249	725.301	20266.217	709.255
47°F Low	---	---	16370.647	756.498	---	---
CFM	1450		1650		1850	
47°F	44568.949	2948.895	45048.855	2840.191	45994.055	2758.011
35°F	---	---	36768.63	2694.579	---	---
17°F	---	---	27635.012	2550.037	---	---

HEATING PERFORMANCE EXTENDED RATINGS

NS22H48MA4- NAM60V2 - INDOOR COIL AT 70°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
925	435	20.8	6.1	825	19.5	5.7	840	18.3	5.4	850	17.0	5.0	865
975	460	20.7	6.1	805	19.5	5.7	820	18.2	5.3	835	17.0	5.0	845
1025	485	20.8	6.1	790	19.6	5.7	805	18.4	5.4	815	17.1	5.0	830

MAXIMUM CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)			
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1450	685	54.4	15.9	3315	42.7	12.5	3110	30.9	9.1	2895	20.4	6.0	2590	10.3	3.0	1910
1650	780	54.9	16.1	3205	43.2	12.7	3000	31.4	9.2	2785	20.9	6.1	2480	10.8	3.2	1800
1850	875	55.8	16.4	3120	44.1	12.9	2910	32.2	9.4	2700	21.8	6.4	2390	11.6	3.4	1715

Outdoor Temp.	°F	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10	-15	-20
	°C	18	16	13	10	8	7	4	2	-1	-4	-7	-8	-9	-12	-15	-18	-21	-23	-26	-29
Compressor Motor kW Input		3.21	3.16	3.11	3.06	3.03	3	2.94	2.87	2.83	2.79	2.75	2.72	2.7	2.65	2.48	2.31	2.14	1.97	1.8	1.63
Total Output	kBtuh	54.9	52.1	49.2	46.3	44.6	43.2	39.8	36.3	33.8	31.4	28.9	27.5	26.3	23.4	20.9	18.4	15.8	13.3	10.8	8.2
	kW	16.1	15.3	14.4	13.6	13.1	12.7	11.7	10.6	9.9	9.2	8.5	8.1	7.7	6.9	6.1	5.4	4.6	3.9	3.2	2.4
COP		4.16	4	3.82	3.65	3.54	3.45	3.23	3	2.82	2.65	2.47	2.37	2.28	2.06	1.96	1.86	1.72	1.58	1.4	1.18

	Inputs					
	Cap	Watts	Cap	Watts	Cap	Watts
	Low		Med		High	
CFM	925		975		1025	
62°F Low	20030.978	833.587	19970.298	814.701	20096.914	799.24
47°F Low	---	---	16236.084	853.658	---	---
CFM	1450		1650		1850	
47°F	44116.592	3133.713	44622.277	3023.943	45471.669	2937.063
35°F	---	---	36302.719	2868.731	---	---
17°F	---	---	27455.465	2719.572	---	---

HEATING PERFORMANCE EXTENDED RATINGS

NS22H48MA4 - NAM60V2 - INDOOR COIL AT 75°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 75°F db (24°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
925	435	20.6	6.0	915	19.4	5.7	925	18.1	5.3	935	16.9	5.0	945
975	460	20.5	6.0	900	19.3	5.7	910	18.0	5.3	920	16.8	4.9	930
1025	485	20.7	6.1	885	19.4	5.7	895	18.2	5.3	905	16.9	5.0	915

MAXIMUM CAPACITY

Indoor Coil Air Volume 75°F db (24°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)			
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1450	685	53.8	15.8	3520	42.2	12.4	3300	30.5	8.9	3070	20.1	5.9	2745	10.1	3.0	2025
1650	780	54.3	15.9	3405	42.8	12.5	3185	31.0	9.1	2960	20.6	6.0	2630	10.6	3.1	1910
1850	875	55.2	16.2	3320	43.7	12.8	3100	31.9	9.3	2870	21.5	6.3	2545	11.5	3.4	1825

Outdoor Temp.	°F	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10	-15	-20
	°C	18	16	13	10	8	7	4	2	-1	-4	-7	-8	-9	-12	-15	-18	-21	-23	-26	-29
Compressor Motor kW Input		3.41	3.35	3.3	3.25	3.21	3.19	3.12	3.05	3.01	2.96	2.91	2.89	2.87	2.81	2.63	2.45	2.27	2.09	1.91	1.73
Total Output	kBtuh	54.3	51.5	48.7	45.8	44.1	42.8	39.4	36	33.5	31	28.6	27.1	26	23.1	20.6	18.1	15.6	13.1	10.6	8.1
	kW	15.9	15.1	14.3	13.4	12.9	12.5	11.5	10.6	9.8	9.1	8.4	7.9	7.6	6.8	6	5.3	4.6	3.8	3.1	2.4
COP		3.91	3.75	3.59	3.43	3.33	3.25	3.05	2.83	2.67	2.5	2.33	2.22	2.15	1.94	1.85	1.74	1.62	1.48	1.31	1.11

	Inputs					
	Cap	Watts	Cap	Watts	Cap	Watts
	Low		Med		High	
CFM	925		975		1025	
62°F Low	19866.077	922.96	19787.691	906.092	19918.311	889.388
47°F Low	---	---	16037.682	935.259	---	---
CFM	1450		1650		1850	
47°F	43554.695	3324.572	44118.003	3210.831	45021.727	3125.142
35°F	---	---	35961.729	3049.044	---	---
17°F	---	---	27109.069	2885.105	---	---

HEATING PERFORMANCE EXTENDED RATINGS

NS22H60MA4 - NAM60V2 - INDOOR COIL AT 65°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 65°F db (18°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
875	415	24.2	7.1	985	22.7	6.7	1000	21.2	6.2	1015	19.7	5.8	1030
930	440	24.2	7.1	955	22.7	6.7	970	21.2	6.2	985	19.7	5.8	1000
965	455	24.4	7.2	940	22.8	6.7	955	21.3	6.2	970	19.8	5.8	985

MAXIMUM CAPACITY

Indoor Coil Air Volume 65°F db (18°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1700	800	68.6	20.1	4295	55.1	16.1	3940	41.2	12.1	3565	29.3	8.6	3175	14.8	4.3	2330
1750	825	68.8	20.2	4260	55.3	16.2	3905	41.4	12.1	3530	29.4	8.6	3140	14.9	4.4	2290
1850	875	69.3	20.3	4195	55.8	16.4	3840	41.9	12.3	3465	30.0	8.8	3075	15.4	4.5	2230

Outdoor Temp.	°F	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10	-15	-20
	°C	18	16	13	10	8	7	4	2	-1	-4	-7	-8	-9	-12	-15	-18	-21	-23	-26	-29
Compressor Motor kW Input		4.26	4.18	4.1	4.01	3.96	3.91	3.76	3.61	3.57	3.53	3.49	3.47	3.44	3.35	3.14	2.93	2.72	2.51	2.29	2.08
Total Output	kBtuh	68.8	65.5	62.3	59	57.1	55.3	50.7	46.1	43.7	41.4	39	37.6	36.3	33	29.4	25.8	22.2	18.5	14.9	11.3
	kW	20.2	19.2	18.3	17.3	16.7	16.2	14.9	13.5	12.8	12.1	11.4	11	10.6	9.7	8.6	7.6	6.5	5.4	4.4	3.3
COP		3.99	3.86	3.73	3.59	3.51	3.44	3.24	3.04	2.91	2.79	2.66	2.58	2.51	2.32	2.21	2.08	1.94	1.75	1.54	1.29

	Inputs					
	Cap	Watts	Cap	Watts	Cap	Watts
	Low		Med		High	
CFM	875		930		965	
62°F Low	23302.091	992.795	23311.163	963.77	23446.029	946.932
47°F Low	---	---	18783.336	1008.982	---	---
CFM	1700		1750		1850	
47°F	56942.958	3997.943	57081.021	3961.833	57624.323	3897.059
35°F	---	---	46098.137	3607.201	---	---
17°F	---	---	37587.956	3467.447	---	---

HEATING PERFORMANCE EXTENDED RATINGS

NS22H60MA4 - NAM60V2 - INDOOR COIL AT 70°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
875	415	23.9	7.0	1095	22.4	6.6	1105	20.9	6.1	1120	19.4	5.7	1135
930	440	23.9	7.0	1065	22.4	6.6	1080	21.0	6.2	1090	19.5	5.7	1105
965	455	24.0	7.0	1045	22.5	6.6	1060	21.0	6.2	1075	19.5	5.7	1090

MAXIMUM CAPACITY

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1700	800	67.9	19.9	4560	54.6	16.0	4185	40.8	12.0	3785	29.1	8.5	3380	14.7	4.3	2480
1750	825	68.1	20.0	4520	54.7	16.0	4145	40.9	12.0	3745	29.2	8.6	3340	14.8	4.3	2440
1850	875	68.5	20.1	4450	55.1	16.1	4075	41.4	12.1	3675	29.7	8.7	3270	15.2	4.5	2365

Outdoor Temp.	°F	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10	-15	-20
	°C	18	16	13	10	8	7	4	2	-1	-4	-7	-8	-9	-12	-15	-18	-21	-23	-26	-29
Compressor Motor kW Input		4.52	4.44	4.35	4.26	4.21	4.15	3.98	3.82	3.79	3.75	3.71	3.69	3.66	3.57	3.34	3.12	2.89	2.67	2.44	2.22
Total Output	kBtuh	68.1	64.9	61.7	58.5	56.5	54.7	50.1	45.5	43.2	40.9	38.7	37.3	36	32.8	29.2	25.6	22	18.4	14.8	11.2
	kW	20	19	18.1	17.1	16.6	16	14.7	13.3	12.7	12	11.3	10.9	10.6	9.6	8.6	7.5	6.4	5.4	4.3	3.3
COP		3.76	3.64	3.52	3.39	3.3	3.24	3.05	2.86	2.74	2.62	2.51	2.43	2.37	2.2	2.09	1.96	1.82	1.65	1.46	1.22

	Inputs					
	Cap	Watts	Cap	Watts	Cap	Watts
	Low		Med		High	
CFM	875		930		965	
62°F Low	23024.617	1101.129	23046.704	1072.287	23098.945	1053.597
47°F Low	---	---	18555.773	1115.22	---	---
CFM	1700		1750		1850	
47°F	56400.838	4248.12	56538.188	4209.412	56977.197	4137.401
35°F	---	---	45475.632	3820.171	---	---
17°F	---	---	37320.062	3689.141	---	---

HEATING PERFORMANCE EXTENDED RATINGS

NS22H60MA4- NAM60V2 - INDOOR COIL AT 75°F DRY BULB

MINIMUM CAPACITY

Indoor Coil Air Volume 75°F db (24°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
875	415	23.6	6.9	1205	22.1	6.5	1220	20.7	6.1	1235	19.2	5.6	1250
930	440	23.6	6.9	1175	22.1	6.5	1190	20.7	6.1	1205	19.2	5.6	1220
965	455	23.7	6.9	1155	22.2	6.5	1170	20.8	6.1	1185	19.3	5.7	1200

MAXIMUM CAPACITY

Indoor Coil Air Volume 75°F db (24°C db)		Air Temperature Entering Outdoor Coil															
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-28°C)		
		Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input	Total Heating Capacity		Comp. Motor Watts Input
CFM	L/s	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1700	800	67.1	19.7	4850	54.0	15.8	4445	40.5	11.9	4020	29.0	8.5	3590	14.6	4.3	2630
1750	825	67.3	19.7	4805	54.1	15.9	4405	40.6	11.9	3975	29.1	8.5	3550	14.7	4.3	2590
1850	875	67.8	19.9	4730	54.7	16.0	4325	41.1	12.0	3900	29.6	8.7	3470	15.2	4.5	2515

Outdoor Temp.	°F	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10	-15	-20
	°C	18	16	13	10	8	7	4	2	-1	-4	-7	-8	-9	-12	-15	-18	-21	-23	-26	-29
Compressor Motor kW Input		4.81	4.72	4.62	4.53	4.48	4.41	4.23	4.05	4.02	3.98	3.94	3.92	3.88	3.79	3.55	3.31	3.07	2.83	2.59	2.35
Total Output	kBtuh	67.3	64.1	61	57.8	55.9	54.1	49.6	45.1	42.8	40.6	38.4	37.1	35.8	32.7	29.1	25.5	21.9	18.3	14.7	11.1
	kW	19.7	18.8	17.9	16.9	16.4	15.9	14.5	13.2	12.5	11.9	11.3	10.9	10.5	9.6	8.5	7.5	6.4	5.4	4.3	3.3
COP		3.52	3.41	3.3	3.18	3.11	3.04	2.88	2.7	2.59	2.48	2.37	2.3	2.24	2.09	1.98	1.86	1.73	1.57	1.38	1.15

	Inputs					
	Cap	Watts	Cap	Watts	Cap	Watts
	Low		Med		High	
CFM	875		930		965	
62°F Low	22721.675	1212.801	22732.235	1182.111	22826.083	1164.913
47°F Low	---	---	18324.852	1227.913	---	---
CFM	1700		1750		1850	
47°F	55819.921	4515.294	55947.373	4473.05	56470.359	4397.632
35°F	---	---	45065.955	4051.413	---	---
17°F	---	---	37075.101	3916.947	---	---

ACCESSORIES

Description	Where Used	Kit Number
H4TXV01 (TXV Kit)	24	1.851363
H4TXV02 (TXV Kit)	36	1.851364
H4TXV03 (TXV Kit)	48, 60	1.851365
Freezestat	3/8 tubing	93G35
Crankcase Heater	All models	Factory Installed
Sound Cover	All models	Factory Installed
Loss of Charge Kit	All models	Factory Installed
Discharge Temperature Sensor	All models	88K38

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