GE APPLIANCES
a Haier *company*

Product Specifications

NS23AM

HIGH EFFICIENCY AIR CONDITIONER SYSTEM UP TO 23 SEER (22 SEER2)

READ CAREFULLY.
KEEP THESE INSTRUCTIONS.

31-5000739 Rev. 0 01-23 GEA

NS23AM
PRODUCT SPECIFICATIONS

COMPRESSOR

- Inverter-driven scroll compressor on 5-ton units for true variable capacity operation, precision environmental control, and exceptional energy savings
- Variable rotary speed compressor on 2-, 3-, and 4-ton units
- 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 coil corrosion protection with all-aluminum tube-and-fin coil design
- Lanced fins for maximum heat transfer
- Factory tested for leak-proof construction
- Raised coil prevents debris from impeding airflow

DESIGN

- Designed for installation with a standard 24V thermostat and non-communicating equipment
- Offers three cooling operating modes to fine-tune the unit's performance to the application and consumer's needs in 24V applications
- Designed to perform in temperatures up to 125°F

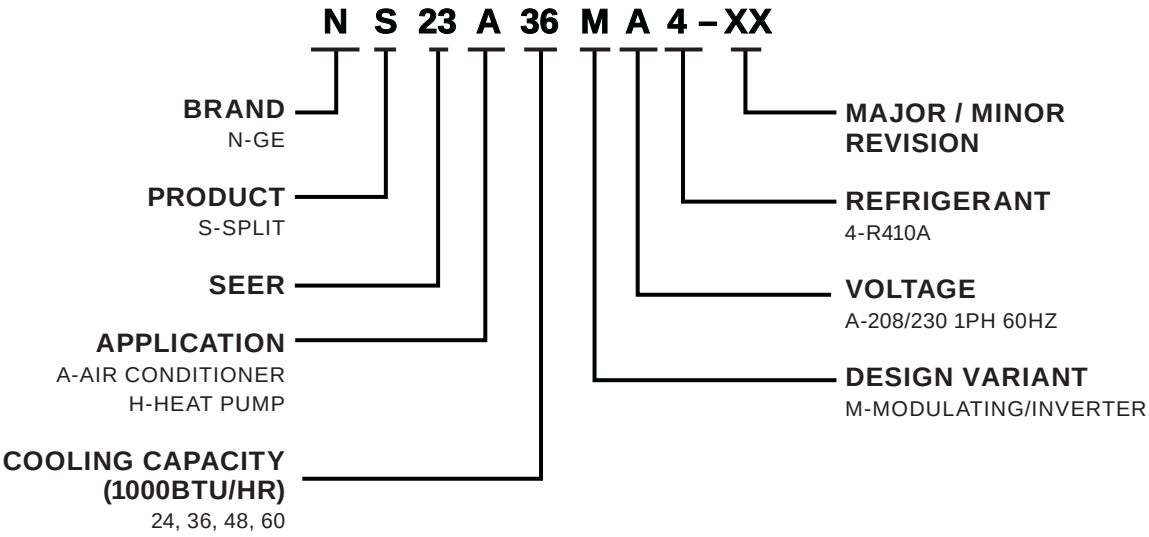
COMPONENTS

- 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 high pressure switch
- Thread-on pressure switches for simple, quick service
- Fan orifice for smoother airflow and sound level reduction
- Specialized sensors monitor ambient, liquid line, suction line, and coil temperatures for precision system control
- Shipped factory charged for 15 feet of line set

WARRANTY

See warranty document for details.

MODEL NUMBER GUIDE



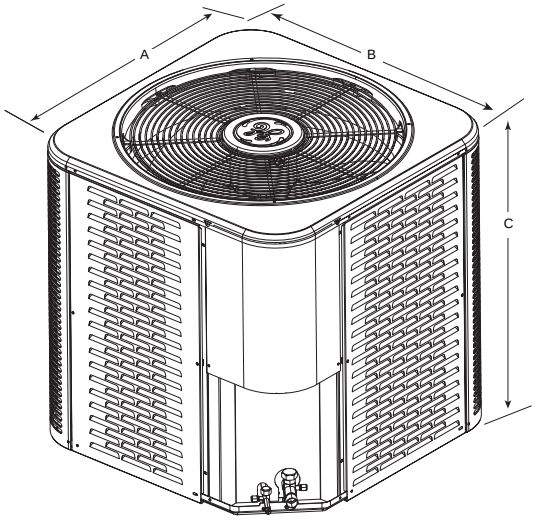
PHYSICAL AND ELECTRICAL DATA

Model	Voltage/Hz/Phase	Voltage Range	Min. Circuit Amp.	Max. Over Current Device (amps)	Compressor		Outdoor Fan Motor		
					Rated Load (amps)	Locked Rotor (amps)	Full Load (amps)	Rated HP	Nom. RPM
NS23A24MA4	208-230/60/1	197-253	12.6	20	8.0	14	2.6	1/3	Var. Spd.
NS23A36MA4	208-230/60/1	197-253	19.2	30	13.3	14			
NS23A48MA4	208-230/60/1	197-253	23.6	40	16.8	23			
NS23A60MA4	208-230/60/1	197-253	27.4	45	19.8	23			

UNIT DIMENSIONS (IN.)

Model	Dimensions (inch)			Shipping Weight (Lbs.)
	A - Width	B - Depth	C - Height	
NS23A24MA4	37.75	35.75	37.50	230
NS23A36MA4	37.75	35.75	37.50	230
NS23A48MA4	37.75	35.75	43.75	300
NS23A60MA4	37.75	35.75	43.75	300

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



NOTE: Appearances may vary.

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)
NS23A24MA4	62	54	48	44	71	63	57	53
NS23A36MA4	62	54	48	44	75	67	61	57
NS23A48MA4	65	57	51	47	76	68	62	58
NS23A60MA4	65	57	51	47	76	68	62	58

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
NS23A24MA4	127	H4TXV01	3/4	3/8	3/4	3/8	3/4	3/8
NS23A36MA4	128	H4TXV02	7/8		7/8		7/8	
NS23A48MA4	190	H4TXV03	7/8		7/8		7/8	
NS23A60MA4	191	H4TXV03	1-1/8		1-1/8		7/8	

* 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			
	Evap. Coil or Air Handler[3]	SEER2	EER2	AHRI Rated Capacity[2]	Sensible Capacity
NS23A24MA4	NAM24V2TA4	21.2	14.0	23,200	18,000
NS23A36MA4	NAM36VTA4	21.4	12.5	34,800	26,600
NS23A48MA4	NAM48VTA4	20.8	12.5	46,000	35,000
NS23A60MA4	NAM60VTA4	19.6	12.0	55,500	41,150

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

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

COOLING PERFORMANCE EXTENDED RATINGS

NS23A24MA4 - NAM24V2TA4 (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	22.4	6.6	1220	.93	1.00	1.00	21.4	6.3	1390	.96	1.00	1.00	20.2	5.9	1580	.99	1.00	1.00	19.2	5.6	1770	1.00	1.00	1.00	18.2	5.3	1980	1.00	1.00	1.00
	800	380	23.4	6.9	1210	.97	1.00	1.00	22.2	6.5	1390	1.00	1.00	1.00	21.2	6.2	1580	1.00	1.00	1.00	20.0	5.9	1780	1.00	1.00	1.00	18.9	5.5	1990	1.00	1.00	1.00
	900	425	24.2	7.1	1210	1.00	1.00	1.00	23.0	6.7	1390	1.00	1.00	1.00	22.0	6.4	1580	1.00	1.00	1.00	20.8	6.1	1790	1.00	1.00	1.00	19.6	5.7	2000	1.00	1.00	1.00
63°F (17.2°C)	700	330	23.2	6.8	1210	.76	.89	1.00	21.8	6.4	1390	.78	.92	1.00	20.6	6.0	1580	.80	.95	1.00	19.4	5.7	1770	.82	.98	1.00	18.2	5.3	1980	.85	1.00	1.00
	800	380	23.8	7.0	1210	.78	.94	1.00	22.6	6.6	1390	.81	.97	1.00	21.2	6.2	1580	.83	.99	1.00	20.0	5.9	1780	.86	1.00	1.00	18.9	5.5	1990	.89	1.00	1.00
	900	425	24.4	7.2	1200	.81	.98	1.00	23.2	6.8	1390	.84	1.00	1.00	22.0	6.4	1580	.86	1.00	1.00	20.8	6.1	1780	.90	1.00	1.00	19.6	5.7	2000	.93	1.00	1.00
67°F (19.4°C)	700	330	24.6	7.2	1210	.59	.73	.86	23.2	6.8	1390	.60	.75	.89	22.0	6.4	1580	.62	.77	.92	20.6	6.0	1780	.63	.79	.95	19.3	5.7	2000	.65	.82	.98
	800	380	25.2	7.4	1200	.61	.76	.90	**23.8**	7.0	**1390**	**.63**	**.78**	**.93**	22.4	6.6	1580	.64	.81	.96	21.0	6.2	1780	.65	.83	.99	19.7	5.8	2000	.67	.86	1.00
	900	425	25.8	7.6	1200	.63	.79	.94	24.4	7.2	1390	.64	.81	.97	23.0	6.7	1580	.66	.84	1.00	21.4	6.3	1790	.68	.87	1.00	20.0	5.9	2000	.70	.90	1.00
71°F (21.7°C)	700	330	25.8	7.6	1200	.45	.58	.70	24.6	7.2	1380	.45	.59	.72	23.2	6.8	1580	.46	.60	.74	21.8	6.4	1790	.47	.62	.77	20.6	6.0	2010	.47	.63	.79
	800	380	26.6	7.8	1190	.46	.60	.74	25.2	7.4	1380	.46	.61	.76	23.8	7.0	1590	.47	.63	.78	22.4	6.6	1790	.48	.64	.81	21.0	6.2	2020	.48	.66	.83
	900	425	27.2	8.0	1190	.47	.62	.76	25.8	7.6	1380	.47	.63	.78	24.2	7.1	1580	.48	.65	.81	22.8	6.7	1800	.48	.67	.84	21.4	6.3	2020	.49	.69	.88

NS23A24MA4 - NAM24V2TA4 (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)	440	210	15.0	4.4	600	.91	1.00	1.00	14.4	4.2	710	.94	1.00	1.00	13.7	4.0	830	.97	1.00	1.00	12.9	3.8	950	1.00	1.00	1.00	12.2	3.6	1090	1.00	1.00	1.00
	500	235	15.7	4.6	590	.96	1.00	1.00	15.0	4.4	700	.98	1.00	1.00	14.3	4.2	830	1.00	1.00	1.00	13.5	4.0	960	1.00	1.00	1.00	12.7	3.7	1090	1.00	1.00	1.00
	565	265	16.4	4.8	580	.99	1.00	1.00	15.7	4.6	700	1.00	1.00	1.00	14.9	4.4	820	1.00	1.00	1.00	14.0	4.1	950	1.00	1.00	1.00	13.2	3.9	1090	1.00	1.00	1.00
63°F (17.2°C)	440	210	15.6	4.6	590	.74	.88	1.00	14.9	4.4	700	.76	.90	1.00	14.0	4.1	830	.78	.93	1.00	13.1	3.8	950	.81	.97	1.00	12.2	3.6	1090	.83	1.00	1.00
	500	235	16.1	4.7	580	.77	.92	1.00	15.3	4.5	700	.79	.95	1.00	14.4	4.2	820	.81	.98	1.00	13.5	4.0	950	.84	1.00	1.00	12.7	3.7	1090	.87	1.00	1.00
	565	265	16.5	4.8	580	.80	.96	1.00	15.7	4.6	700	.82	.99	1.00	14.9	4.4	820	.85	1.00	1.00	14.0	4.1	950	.88	1.00	1.00	13.2	3.9	1100	.92	1.00	1.00
67°F (19.4°C)	440	210	16.6	4.9	580	.59	.72	.84	15.8	4.6	700	.60	.74	.87	14.9	4.4	820	.61	.76	.90	13.9	4.1	950	.62	.78	.93	13.0	3.8	1090	.64	.81	.97
	500	235	17.0	5.0	570	.61	.74	.88	**16.2**	4.7	**690**	**.62**	**.77**	**.91**	15.3	4.5	820	.63	.78	.94	14.3	4.2	950	.64	.81	.98	13.3	3.9	1100	.66	.85	1.00
	565	265	17.5	5.1	570	.62	.77	.92	16.6	4.9	690	.63	.79	.95	15.7	4.6	820	.65	.82	.98	14.6	4.3	950	.67	.85	1.00	13.6	4.0	1090	.69	.89	1.00
71°F (21.7°C)	440	210	17.5	5.1	570	.44	.57	.68	16.6	4.9	690	.45	.58	.71	15.7	4.6	820	.45	.59	.73	14.8	4.3	950	.46	.61	.75	13.8	4.0	1090	.47	.62	.78
	500	235	18.0	5.3	560	.46	.59	.73	17.1	5.0	690	.46	.60	.74	16.2	4.7	810	.46	.61	.76	15.2	4.5	950	.47	.63	.79	14.2	4.2	1090	.47	.65	.82
	565	265	18.4	5.4	560	.46	.61	.75	17.5	5.1	680	.47	.62	.77	16.6	4.9	810	.47	.64	.80	15.5	4.5	950	.48	.66	.83	14.5	4.2	1090	.49	.68	.86

COOLING PERFORMANCE
EXTENDED RATINGS

NS23A24MA4 - NAM24V2TA4 (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

NS23A36MA4-**A - NAM36VTA4 (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)	1025	485	33.0	9.7	2030	.92	1.00	1.00	31.6	9.3	2280	.94	1.00	1.00	30.2	8.9	2550	.97	1.00	1.00	28.6	8.4	2840	.99	1.00	1.00	26.8	7.9	3160	1.00	1.00	1.00
	1180	555	34.6	10.1	2030	.96	1.00	1.00	33.2	9.7	2290	.98	1.00	1.00	31.6	9.3	2570	1.00	1.00	1.00	29.8	8.7	2860	1.00	1.00	1.00	28.0	8.2	3180	1.00	1.00	1.00
	1325	625	35.8	10.5	2040	.99	1.00	1.00	34.2	10.0	2300	1.00	1.00	1.00	32.6	9.6	2580	1.00	1.00	1.00	30.8	9.0	2880	1.00	1.00	1.00	28.8	8.4	3200	1.00	1.00	1.00
63°F (17.2°C)	1025	485	34.4	10.1	2030	.74	.88	1.00	32.8	9.6	2290	.76	.90	1.00	31.0	9.1	2560	.78	.93	1.00	29.0	8.5	2850	.80	.96	1.00	27.0	7.9	3160	.83	.99	1.00
	1180	555	35.4	10.4	2030	.77	.92	1.00	33.6	9.8	2300	.79	.95	1.00	31.8	9.3	2570	.81	.97	1.00	30.0	8.8	2870	.84	1.00	1.00	28.0	8.2	3180	.87	1.00	1.00
	1325	625	36.2	10.6	2040	.80	.96	1.00	34.6	10.1	2300	.82	.98	1.00	32.6	9.6	2580	.85	1.00	1.00	30.8	9.0	2880	.88	1.00	1.00	28.8	8.4	3200	.91	1.00	1.00
67°F (19.4°C)	1025	485	36.4	10.7	2030	.59	.72	.85	34.8	10.2	2300	.60	.73	.87	32.8	9.6	2580	.61	.75	.89	30.8	9.0	2880	.62	.78	.93	28.6	8.4	3200	.64	.81	.96
	1180	555	37.6	11.0	2040	.60	.75	.89	**35.8**	10.5	**2310**	**.62**	**.77**	**.92**	33.8	9.9	2590	.63	.79	.94	31.6	9.3	2890	.65	.82	.97	29.2	8.6	3210	.67	.85	1.00
	1325	625	38.5	11.3	2040	.62	.78	.93	36.4	10.7	2310	.64	.80	.96	34.4	10.1	2600	.65	.82	.98	32.2	9.4	2900	.67	.85	1.00	29.8	8.7	3220	.69	.89	1.00
71°F (21.7°C)	1025	485	38.5	11.3	2040	.45	.57	.70	36.6	10.7	2310	.45	.58	.71	34.8	10.2	2600	.46	.59	.73	32.6	9.6	2900	.46	.61	.75	30.2	8.9	3230	.47	.63	.78
	1180	555	39.5	11.6	2030	.45	.59	.72	37.8	11.1	2320	.46	.60	.74	35.6	10.4	2610	.46	.62	.77	33.4	9.8	2920	.47	.63	.79	31.0	9.1	3240	.48	.65	.82
	1325	625	40.5	11.9	2030	.46	.61	.76	38.5	11.3	2310	.47	.62	.78	36.4	10.7	2610	.47	.64	.80	34.0	10.0	2920	.48	.66	.83	31.6	9.3	3250	.49	.68	.87

NS23A36MA4-**A - NAM36VTA4 (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)	680	320	20.2	5.9	730	.98	1.00	1.00	19.4	5.7	870	1.00	1.00	1.00	18.5	5.4	1030	1.00	1.00	1.00	17.5	5.1	1180	1.00	1.00	1.00	16.4	4.8	1350	1.00	1.00	1.00
	780	370	21.2	6.2	720	1.00	1.00	1.00	20.2	5.9	870	1.00	1.00	1.00	19.2	5.6	1020	1.00	1.00	1.00	18.2	5.3	1180	1.00	1.00	1.00	17.1	5.0	1350	1.00	1.00	1.00
	880	415	21.8	6.4	710	1.00	1.00	1.00	21.0	6.2	860	1.00	1.00	1.00	19.8	5.8	1020	1.00	1.00	1.00	18.7	5.5	1180	1.00	1.00	1.00	17.6	5.2	1350	1.00	1.00	1.00
63°F (17.2°C)	680	320	20.6	6.0	730	.79	.95	1.00	19.6	5.7	870	.81	.97	1.00	18.5	5.4	1020	.83	1.00	1.00	17.5	5.1	1180	.86	1.00	1.00	16.4	4.8	1350	.89	1.00	1.00
	780	370	21.2	6.2	720	.83	.99	1.00	20.2	5.9	870	.85	1.00	1.00	19.2	5.6	1020	.87	1.00	1.00	18.2	5.3	1180	.91	1.00	1.00	17.1	5.0	1350	.95	1.00	1.00
	880	415	21.8	6.4	710	.86	1.00	1.00	21.0	6.2	860	.88	1.00	1.00	19.9	5.8	1020	.92	1.00	1.00	18.7	5.5	1180	.96	1.00	1.00	17.6	5.2	1350	.99	1.00	1.00
67°F (19.4°C)	680	320	21.8	6.4	710	.62	.77	.91	20.8	6.1	860	.63	.78	.94	19.5	5.7	1020	.64	.80	.97	18.3	5.4	1180	.66	.84	1.00	17.1	5.0	1350	.68	.87	1.00
	780	370	22.4	6.6	700	.63	.80	.96	**21.2**	6.2	**860**	**.65**	**.83**	**.98**	20.0	5.9	1010	.67	.85	1.00	18.7	5.5	1180	.68	.89	1.00	17.5	5.1	1350	.71	.92	1.00
	880	415	22.8	6.7	690	.66	.84	1.00	21.6	6.3	850	.67	.86	1.00	20.4	6.0	1010	.69	.89	1.00	19.1	5.6	1180	.72	.93	1.00	17.8	5.2	1350	.74	.97	1.00
71°F (21.7°C)	680	320	23.0	6.7	690	.46	.60	.74	22.0	6.4	850	.46	.61	.76	20.6	6.0	1010	.47	.63	.78	19.4	5.7	1180	.47	.65	.81	18.2	5.3	1350	.49	.67	.84
	780	370	23.6	6.9	680	.47	.62	.78	22.4	6.6	840	.47	.64	.80	21.2	6.2	1000	.48	.66	.82	19.9	5.8	1180	.49	.68	.86	18.6	5.5	1350	.50	.70	.90
	880	415	24.2	7.1	670	.47	.65	.81	23.0	6.7	830	.49	.66	.84	21.6	6.3	1000	.49	.69	.87	20.2	5.9	1170	.50	.71	.91	18.9	5.5	1350	.51	.73	.95

COOLING PERFORMANCE EXTENDED RATINGS

NS23A36MA4-A - NAM36VTA4 (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)	445	210	12.1	3.5	340	1.00	1.00	1.00	11.5	3.4	430	1.00	1.00	1.00	10.9	3.2	520	1.00	1.00	1.00	10.3	3.0	610	1.00	1.00	1.00
	500	235	12.5	3.7	340	1.00	1.00	1.00	11.9	3.5	420	1.00	1.00	1.00	11.3	3.3	510	1.00	1.00	1.00	10.6	3.1	610	1.00	1.00	1.00
	575	270	13.0	3.8	330	1.00	1.00	1.00	12.4	3.6	410	1.00	1.00	1.00	11.7	3.4	510	1.00	1.00	1.00	11.0	3.2	610	1.00	1.00	1.00
63°F (17.2°C)	445	210	12.1	3.5	340	.85	1.00	1.00	11.5	3.4	430	.87	1.00	1.00	10.9	3.2	520	.91	1.00	1.00	10.3	3.0	620	.95	1.00	1.00
	500	235	12.5	3.7	340	.89	1.00	1.00	12.0	3.5	420	.92	1.00	1.00	11.3	3.3	510	.95	1.00	1.00	10.6	3.1	610	.99	1.00	1.00
	575	270	13.0	3.8	330	.95	1.00	1.00	12.5	3.7	420	.98	1.00	1.00	11.8	3.5	510	1.00	1.00	1.00	11.0	3.2	610	1.00	1.00	1.00
67°F (19.4°C)	445	210	12.7	3.7	330	.65	.82	.99	12.1	3.5	420	.66	.85	1.00	11.3	3.3	510	.68	.88	1.00	10.5	3.1	610	.71	.92	1.00
	500	235	13.0	3.8	330	.68	.86	1.00	12.3	3.6	420	.69	.89	1.00	**11.5**	3.4	**510**	**.71**	**.93**	**1.00**	10.7	3.1	610	.74	.97	1.00
	575	270	13.3	3.9	320	.71	.92	1.00	12.6	3.7	410	.73	.95	1.00	11.8	3.5	510	.75	.98	1.00	11.0	3.2	610	.78	1.00	1.00
71°F (21.7°C)	445	210	13.5	4.0	320	.47	.64	.80	12.9	3.8	410	.47	.65	.82	12.1	3.5	500	.48	.67	.85	11.2	3.3	600	.49	.69	.89
	500	235	13.8	4.0	310	.48	.66	.83	13.2	3.9	400	.48	.68	.86	12.3	3.6	500	.50	.70	.90	11.5	3.4	600	.51	.73	.94
	575	270	14.2	4.2	300	.49	.70	.89	13.5	4.0	400	.50	.72	.92	12.6	3.7	490	.51	.74	.96	11.7	3.4	600	.53	.77	1.00

COOLING PERFORMANCE EXTENDED RATINGS

NS23A48MA4-**A - NAM48VTA4 (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)	1370	645	44.0	12.9	2520	.91	1.00	1.00	42.0	12.3	2870	.93	1.00	1.00	40.5	11.9	3250	.96	1.00	1.00	38.5	11.3	3650	.99	1.00	1.00	36.0	10.6	4070	1.00	1.00	1.00
	1570	740	46.0	13.5	2520	.95	1.00	1.00	44.0	12.9	2870	.98	1.00	1.00	42.0	12.3	3250	.99	1.00	1.00	40.0	11.7	3660	1.00	1.00	1.00	37.6	11.0	4100	1.00	1.00	1.00
	1770	835	47.5	13.9	2510	.99	1.00	1.00	45.5	13.3	2870	1.00	1.00	1.00	43.5	12.7	3260	1.00	1.00	1.00	41.5	12.2	3670	1.00	1.00	1.00	39.0	11.4	4120	1.00	1.00	1.00
63°F (17.2°C)	1370	645	46.0	13.5	2520	.74	.88	1.00	44.0	12.9	2870	.76	.90	1.00	41.5	12.2	3250	.77	.92	1.00	39.0	11.4	3650	.80	.95	1.00	36.4	10.7	4080	.82	.99	1.00
	1570	740	47.5	13.9	2510	.77	.92	1.00	45.0	13.2	2880	.79	.94	1.00	42.5	12.5	3260	.81	.97	1.00	40.0	11.7	3660	.83	.99	1.00	37.6	11.0	4090	.86	1.00	1.00
	1770	835	48.5	14.2	2510	.80	.96	1.00	46.0	13.5	2870	.82	.98	1.00	44.0	12.9	3270	.84	1.00	1.00	41.5	12.2	3680	.86	1.00	1.00	39.0	11.4	4120	.90	1.00	1.00
67°F (19.4°C)	1370	645	48.5	14.2	2510	.59	.72	.84	46.0	13.5	2880	.60	.73	.86	44.0	12.9	3260	.61	.75	.89	41.5	12.2	3680	.62	.77	.92	38.5	11.3	4110	.64	.80	.95
	1570	740	49.5	14.5	2500	.61	.75	.88	**47.5**	13.9	**2880**	**.62**	**.76**	**.91**	45.0	13.2	3270	.63	.78	.93	42.5	12.5	3690	.64	.81	.96	39.5	11.6	4120	.66	.84	.99
	1770	835	51.0	14.9	2500	.62	.78	.92	48.5	14.2	2880	.63	.79	.95	46.0	13.5	3280	.65	.81	.97	43.5	12.7	3700	.66	.84	1.00	40.5	11.9	4130	.68	.88	1.00
71°F (21.7°C)	1370	645	51.0	14.9	2500	.45	.58	.69	48.5	14.2	2870	.45	.58	.71	46.5	13.6	3270	.46	.59	.72	44.0	12.9	3700	.46	.61	.75	41.0	12.0	4140	.47	.62	.77
	1570	740	52.5	15.4	2490	.45	.59	.72	50.0	14.7	2870	.46	.60	.74	47.5	13.9	3280	.47	.62	.76	45.0	13.2	3710	.47	.63	.78	42.0	12.3	4160	.47	.65	.81
	1770	835	53.5	15.7	2480	.47	.61	.75	51.0	14.9	2870	.47	.62	.77	48.5	14.2	3280	.48	.64	.79	45.5	13.3	3710	.48	.65	.82	42.5	12.5	4170	.48	.67	.85

NS23A48MA4-**A - NAM48VTA4 (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)	895	420	29.8	8.7	1090	.93	1.00	1.00	28.8	8.4	1300	.95	1.00	1.00	27.4	8.0	1530	.98	1.00	1.00	26.2	7.7	1760	1.00	1.00	1.00	24.8	7.3	2010	1.00	1.00	1.00
	1025	485	31.2	9.1	1070	.97	1.00	1.00	30.0	8.8	1290	.99	1.00	1.00	28.6	8.4	1520	1.00	1.00	1.00	27.2	8.0	1760	1.00	1.00	1.00	25.8	7.6	2020	1.00	1.00	1.00
	1155	545	32.4	9.5	1060	1.00	1.00	1.00	31.0	9.1	1280	1.00	1.00	1.00	29.6	8.7	1520	1.00	1.00	1.00	28.2	8.3	1760	1.00	1.00	1.00	26.6	7.8	2020	1.00	1.00	1.00
63°F (17.2°C)	895	420	30.8	9.0	1080	.76	.90	1.00	29.4	8.6	1290	.77	.92	1.00	28.0	8.2	1520	.79	.94	1.00	26.4	7.7	1770	.81	.97	1.00	24.8	7.3	2020	.83	1.00	1.00
	1025	485	31.8	9.3	1070	.79	.94	1.00	30.4	8.9	1290	.80	.96	1.00	28.8	8.4	1520	.82	.99	1.00	27.4	8.0	1770	.85	1.00	1.00	25.8	7.6	2020	.87	1.00	1.00
	1155	545	32.6	9.6	1050	.82	.98	1.00	31.2	9.1	1280	.83	1.00	1.00	29.8	8.7	1520	.86	1.00	1.00	28.2	8.3	1760	.88	1.00	1.00	26.6	7.8	2030	.92	1.00	1.00
67°F (19.4°C)	895	420	32.6	9.6	1050	.59	.73	.86	31.0	9.1	1280	.61	.74	.88	29.6	8.7	1520	.61	.76	.91	28.0	8.2	1760	.63	.78	.93	26.2	7.7	2020	.64	.81	.97
	1025	485	33.6	9.8	1040	.61	.76	.91	**32.0**	9.4	**1270**	**.63**	**.78**	**.93**	30.4	8.9	1510	.63	.80	.95	28.8	8.4	1760	.65	.82	.98	27.0	7.9	2020	.67	.85	1.00
	1155	545	34.4	10.1	1030	.63	.79	.95	32.8	9.6	1260	.64	.81	.97	31.2	9.1	1510	.66	.83	.99	29.4	8.6	1760	.67	.86	1.00	27.6	8.1	2020	.69	.89	1.00
71°F (21.7°C)	895	420	34.4	10.1	1030	.45	.58	.70	32.8	9.6	1260	.46	.59	.72	31.4	9.2	1510	.46	.60	.74	29.6	8.7	1760	.47	.61	.76	27.8	8.1	2020	.47	.63	.78
	1025	485	35.4	10.4	1010	.46	.60	.74	33.8	9.9	1250	.47	.61	.75	32.2	9.4	1500	.47	.62	.77	30.4	8.9	1760	.47	.64	.80	28.6	8.4	2020	.48	.66	.82
	1155	545	36.2	10.6	1000	.47	.62	.77	34.6	10.1	1240	.47	.63	.79	32.8	9.6	1490	.48	.65	.81	31.0	9.1	1750	.49	.66	.84	29.0	8.5	2020	.50	.69	.87

COOLING PERFORMANCE EXTENDED RATINGS

NS23A48MA4-A - NAM48VTA4 (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)	680	320	20.8	6.1	620	.99	1.00	1.00	20.0	5.9	770	1.00	1.00	1.00	19.0	5.6	900	1.00	1.00	1.00	18.0	5.3	1080	1.00	1.00	1.00
	780	370	21.8	6.4	610	1.00	1.00	1.00	20.8	6.1	760	1.00	1.00	1.00	19.8	5.8	910	1.00	1.00	1.00	18.8	5.5	1080	1.00	1.00	1.00
	880	415	22.6	6.6	600	1.00	1.00	1.00	21.6	6.3	750	1.00	1.00	1.00	20.6	6.0	910	1.00	1.00	1.00	19.6	5.7	1090	1.00	1.00	1.00
63°F (17.2°C)	680	320	21.2	6.2	620	.80	.96	1.00	20.0	5.9	770	.82	.98	1.00	19.0	5.6	920	.84	1.00	1.00	18.0	5.3	1080	.95	1.00	1.00
	780	370	21.8	6.4	610	.83	1.00	1.00	20.8	6.1	760	.86	1.00	1.00	19.8	5.8	910	.88	1.00	1.00	18.8	5.5	1070	.98	1.00	1.00
	880	415	22.6	6.6	600	.87	1.00	1.00	21.6	6.3	750	.90	1.00	1.00	20.6	6.0	910	.92	1.00	1.00	19.6	5.7	1080	.96	1.00	1.00
67°F (19.4°C)	680	320	22.4	6.6	600	.62	.77	.92	21.2	6.2	750	.63	.79	.95	20.0	5.9	910	.64	.81	.98	18.9	5.5	1080	.65	.84	1.00
	780	370	23.0	6.7	590	.64	.81	.97	21.8	6.4	750	.66	.83	1.00	**20.6**	6.0	**900**	**.68**	**.86**	**1.00**	19.4	5.7	1070	.68	.89	1.00
	880	415	23.6	6.9	580	.66	.85	1.00	22.4	6.6	740	.68	.87	1.00	21.0	6.2	900	.70	.90	1.00	19.6	5.7	1080	.71	.92	1.00
71°F (21.7°C)	680	320	23.6	6.9	580	.46	.61	.75	22.4	6.6	740	.47	.62	.77	21.2	6.2	900	.47	.63	.79	20.0	5.9	1070	.48	.68	.84
	780	370	24.2	7.1	570	.47	.63	.79	23.0	6.7	730	.48	.65	.81	21.8	6.4	890	.48	.66	.83	20.7	6.1	1080	.49	.71	.86
	880	415	24.8	7.3	560	.49	.66	.83	23.6	6.9	720	.49	.67	.85	22.2	6.5	890	.50	.69	.88	20.9	6.1	1080	.51	.72	.95

COOLING PERFORMANCE EXTENDED RATINGS

NS23A60MA4-**A - NAM60VTA4 (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)	1600	755	52.5	15.4	3270	.89	1.00	1.00	51.0	14.9	3720	.91	1.00	1.00	49.0	14.4	4250	.93	1.00	1.00	47.5	13.9	4920	.95	1.00	1.00	45.5	13.3	5730	.98	1.00	1.00
	1815	855	55.0	16.1	3280	.92	1.00	1.00	53.0	15.5	3730	.94	1.00	1.00	51.0	14.9	4270	.96	1.00	1.00	49.0	14.4	4930	.98	1.00	1.00	47.0	13.8	5750	1.00	1.00	1.00
	2000	945	56.5	16.6	3280	.94	1.00	1.00	55.0	16.1	3730	.96	1.00	1.00	52.5	15.4	4270	.99	1.00	1.00	50.5	14.8	4950	1.00	1.00	1.00	48.5	14.2	5770	1.00	1.00	1.00
63°F (17.2°C)	1600	755	55.0	16.1	3270	.73	.85	.97	53.0	15.5	3720	.74	.87	.99	51.0	14.9	4260	.76	.89	1.00	48.5	14.2	4930	.77	.92	1.00	46.0	13.5	5730	.79	.94	1.00
	1815	855	57.0	16.7	3280	.75	.89	1.00	54.5	16.0	3730	.77	.91	1.00	52.5	15.4	4280	.78	.93	1.00	50.0	14.7	4940	.80	.95	1.00	47.5	13.9	5760	.82	.98	1.00
	2000	945	58.0	17.0	3280	.77	.91	1.00	55.5	16.3	3740	.78	.93	1.00	53.5	15.7	4280	.80	.96	1.00	51.0	14.9	4950	.82	.98	1.00	48.5	14.2	5760	.85	1.00	1.00
67°F (19.4°C)	1600	755	58.5	17.1	3280	.59	.71	.82	56.0	16.4	3730	.59	.72	.84	53.5	15.7	4270	.60	.73	.86	51.0	14.9	4950	.61	.75	.88	49.0	14.4	5780	.62	.77	.91
	1815	855	60.0	17.6	3290	.60	.73	.85	**58.0**	17.0	**3740**	**.61**	**.74**	**.87**	55.5	16.3	4290	.62	.76	.90	52.5	15.4	4950	.63	.78	.92	50.0	14.7	5780	.64	.80	.95
	2000	945	61.5	18.0	3290	.61	.75	.88	59.0	17.3	3750	.62	.76	.90	56.5	16.6	4300	.63	.78	.93	53.5	15.7	4970	.64	.80	.95	51.0	14.9	5810	.66	.82	.98
71°F (21.7°C)	1600	755	61.5	18.0	3290	.45	.57	.68	59.0	17.3	3740	.45	.58	.70	56.5	16.6	4290	.45	.59	.71	54.0	15.8	4960	.46	.60	.73	51.5	15.1	5810	.46	.61	.74
	1815	855	63.5	18.6	3290	.45	.58	.71	61.0	17.9	3750	.46	.60	.72	58.5	17.1	4310	.46	.60	.73	55.5	16.3	4990	.47	.62	.75	52.5	15.4	5810	.47	.63	.77
	2000	945	65.0	19.0	3290	.46	.60	.72	62.0	18.2	3750	.46	.61	.74	59.5	17.4	4310	.47	.62	.76	56.5	16.6	5000	.47	.63	.78	53.5	15.7	5840	.48	.64	.80

NS23A60MA4-**A - NAM60VTA4 (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)	995	470	35.2	10.3	1450	.89	1.00	1.00	34.0	10.0	1740	.92	1.00	1.00	32.8	9.6	2030	.94	1.00	1.00	31.6	9.3	2350	.97	1.00	1.00	30.2	8.9	2720	.99	1.00	1.00
	1135	535	37.0	10.8	1440	.93	1.00	1.00	35.6	10.4	1720	.95	1.00	1.00	34.4	10.1	2020	.98	1.00	1.00	33.0	9.7	2340	1.00	1.00	1.00	31.4	9.2	2710	1.00	1.00	1.00
	1250	590	38.0	11.1	1420	.96	1.00	1.00	36.8	10.8	1710	.98	1.00	1.00	35.4	10.4	2000	1.00	1.00	1.00	34.0	10.0	2320	1.00	1.00	1.00	32.4	9.5	2700	1.00	1.00	1.00
63°F (17.2°C)	995	470	36.8	10.8	1430	.74	.86	.98	35.2	10.3	1720	.75	.88	1.00	33.8	9.9	2020	.76	.90	1.00	32.2	9.4	2330	.78	.93	1.00	30.4	8.9	2720	.80	.96	1.00
	1135	535	38.0	11.1	1420	.76	.90	1.00	36.4	10.7	1710	.77	.92	1.00	34.8	10.2	2010	.79	.94	1.00	33.2	9.7	2330	.81	.97	1.00	31.4	9.2	2710	.84	1.00	1.00
	1250	590	39.0	11.4	1420	.78	.92	1.00	37.2	10.9	1710	.80	.95	1.00	35.6	10.4	2000	.82	.97	1.00	34.0	10.0	2330	.84	1.00	1.00	32.4	9.5	2700	.87	1.00	1.00
67°F (19.4°C)	995	470	39.0	11.4	1420	.59	.71	.83	37.4	11.0	1710	.60	.73	.85	35.8	10.5	2000	.61	.74	.87	34.2	10.0	2320	.62	.76	.89	32.4	9.5	2710	.63	.78	.93
	1135	535	40.5	11.9	1400	.60	.74	.86	**38.5**	11.3	**1700**	**.61**	**.75**	**.88**	37.0	10.8	1990	.62	.77	.91	35.2	10.3	2310	.63	.79	.94	33.2	9.7	2690	.65	.81	.97
	1250	590	41.5	12.2	1390	.62	.75	.89	39.5	11.6	1690	.63	.77	.92	37.6	11.0	1980	.64	.79	.94	35.8	10.5	2310	.65	.81	.97	33.8	9.9	2690	.67	.84	1.00
71°F (21.7°C)	995	470	41.5	12.2	1390	.45	.58	.69	39.5	11.6	1690	.45	.58	.70	37.8	11.1	1980	.46	.59	.72	36.2	10.6	2300	.45	.60	.73	34.2	10.0	2690	.46	.61	.75
	1135	535	42.5	12.5	1380	.46	.59	.71	41.0	12.0	1670	.45	.60	.73	39.0	11.4	1970	.46	.61	.75	37.2	10.9	2290	.47	.62	.77	35.2	10.3	2670	.47	.64	.79
	1250	590	43.5	12.7	1360	.46	.60	.73	41.5	12.2	1660	.46	.61	.75	40.0	11.7	1960	.47	.62	.77	37.8	11.1	2280	.48	.64	.79	35.8	10.5	2660	.48	.65	.82

COOLING PERFORMANCE EXTENDED RATINGS

NS23A60MA4-A - NAM60VTA4 (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)	770	365	22.2	6.5	680	.97	1.00	1.00	21.2	6.2	880	1.00	1.00	1.00	20.2	5.9	1100	1.00	1.00	1.00	19.0	5.6	1330	1.00	1.00	1.00
	880	415	23.2	6.8	680	1.00	1.00	1.00	22.2	6.5	880	1.00	1.00	1.00	21.2	6.2	1110	1.00	1.00	1.00	20.0	5.9	1340	1.00	1.00	1.00
	975	460	24.0	7.0	680	1.00	1.00	1.00	23.0	6.7	890	1.00	1.00	1.00	21.8	6.4	1120	1.00	1.00	1.00	20.6	6.0	1350	1.00	1.00	1.00
63°F (17.2°C)	770	365	22.6	6.6	680	.79	.94	1.00	21.4	6.3	880	.81	.97	1.00	20.2	5.9	1100	.84	1.00	1.00	19.2	5.6	1330	.88	1.00	1.00
	880	415	23.4	6.9	680	.82	.98	1.00	22.2	6.5	880	.85	1.00	1.00	21.2	6.2	1110	.88	1.00	1.00	20.0	5.9	1340	.92	1.00	1.00
	975	460	24.2	7.1	680	.85	1.00	1.00	23.0	6.7	890	.88	1.00	1.00	21.8	6.4	1120	.92	1.00	1.00	20.6	6.0	1350	.96	1.00	1.00
67°F (19.4°C)	770	365	24.0	7.0	680	.62	.76	.90	22.8	6.7	890	.64	.79	.93	21.4	6.3	1120	.65	.82	.97	20.0	5.9	1340	.67	.85	1.00
	880	415	24.8	7.3	680	.64	.80	.95	23.4	6.9	890	.66	.82	.98	**22.0**	6.4	**1120**	**.68**	**.86**	**1.00**	20.6	6.0	1350	.70	.89	1.00
	975	460	25.4	7.4	680	.66	.82	.98	23.8	7.0	890	.67	.85	1.00	22.4	6.6	1130	.70	.89	1.00	21.0	6.2	1360	.72	.93	1.00
71°F (21.7°C)	770	365	25.6	7.5	680	.46	.61	.74	24.2	7.1	900	.47	.62	.76	22.8	6.7	1130	.47	.64	.79	21.4	6.3	1360	.48	.66	.82
	880	415	26.4	7.7	680	.47	.63	.77	25.0	7.3	900	.48	.64	.80	23.4	6.9	1140	.49	.66	.83	22.0	6.4	1370	.50	.68	.86
	975	460	27.0	7.9	680	.48	.64	.80	25.4	7.4	910	.49	.66	.83	24.0	7.0	1150	.49	.68	.86	22.4	6.6	1380	.51	.71	.90

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Caractéristiques techniques du produit

NS23AM

SYSTÈME DE CLIMATISATION HAUTE EFFICACITÉ — TAUX DE RENDEMENT ÉNERGÉTIQUE SAISONNIER (SEER) JUSQU'À 23 (22 SEER2)

LISEZ ET CONSERVEZ CES INSTRUCTIONS

31-5000739 Rev. 0 03-23 GEA

NS23AM
CARACTÉRISTIQUES TECHNIQUES DU PRODUIT

COMPRESSEUR

- Compresseur à spirale contrôlé par onduleur sur les unités de 5 tonnes pour un fonctionnement à capacité variable réelle, un contrôle précis de l'environnement et des économies d'énergie exceptionnelles
- Compresseur rotatif à vitesse variable sur les unités de 2, 3 et 4 tonnes
- Réfrigérant R410A
- Compresseur monté sur passe-câble pour un fonctionnement silencieux
- Couverture acoustique du compresseur robuste pour un fonctionnement silencieux (accessoire en option)
- Protection interne contre les conditions de surcharge du moteur à haute température

CARROSSERIE

- Construction à évents entièrement métallique qui protège le serpentin contre la grêle
- Panneaux à persienne métalliques individuels se retirant facilement pour le nettoyage et l'entretien du serpentin
- Commandes montées en coin pour un entretien facile
- Peinture polyester cuite finie sur acier galvanisé pour une durabilité maximale
- Grille de ventilateur amovible en broche à revêtement PVC
- Orifice de jauge externes pour un entretien facile
- Panneau d'entretien amovible pour l'accès interne
- Conformité au Code du bâtiment de l'État de Floride 2020

BOBINES

- Protection totale contre la corrosion du serpentin grâce à sa conception à ailettes et tubes entièrement en aluminium
- Ailettes percées pour un transfert de chaleur maximal
- Testé en usine pour une construction étanche
- La bobine surélevée empêche les débris d'entraver le flux d'air

DESIGN

- Designed for installation with a standard 24V thermostat and non-communicating equipment
- Offers three cooling operating modes to fine-tune the unit's performance to the application and consumer's needs in 24V applications
- Designed to perform in temperatures up to 125°F

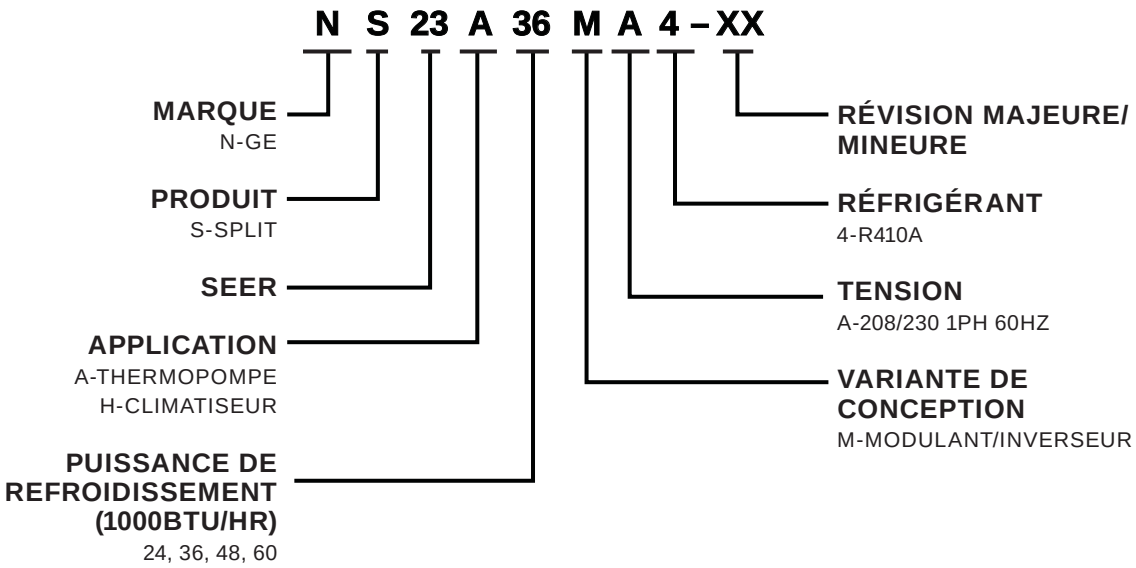
COMPONANTS

- Orifices de jauge décalés de 45 degrés pour une installation rapide et un entretien facile
- Ventilateur du condenseur équipé d'un moteur à vitesse variable
- Pale de ventilateur recourbée pour un fonctionnement silencieux
- Chauffe-carter installé à usine
- Pressostat haute pression installé en usine
- Pressostats à visser pour un service simple et rapide
- Orifice du ventilateur pour un flux d'air plus fluide et une réduction du niveau sonore
- Capteurs spécialisés qui surveillent les températures de l'air ambiant, de la conduite de liquide, de la conduite d'aspiration et du serpentin pour un contrôle précis du système
- Chargé pour 15 pieds de ligne

GARANTIE

Voir le document de garantie pour plus de détails

GUIDE DES NUMÉROS DE MODÈLE



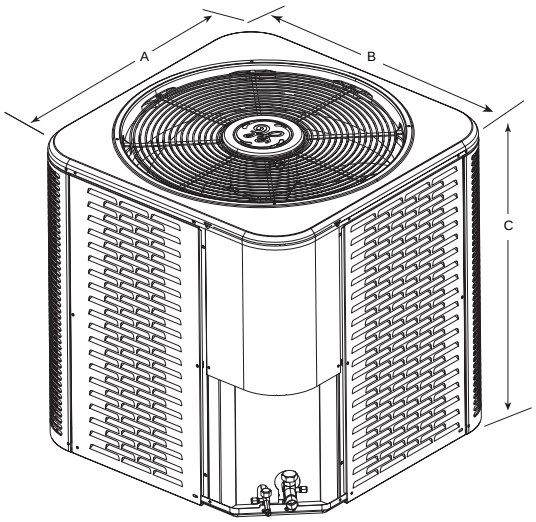
DONNÉES ÉLECTRIQUES ET PHYSIQUES

Modèle	Tension/Hz/Phase	Plage de tension	Intensité min. du circuit	Surintensité max. (A)	Compresseur		Moteur ventilateur ext.		
					Charge nominale (A)	Rotor bloqué (A)	Pleine charge (A)	Puissance nominale	Trs/ min
NS23A24MA4	208-230/60/1	197-253	12.6	20	8.0	14	2.6	1/3	Var. Spd.
NS23A36MA4	208-230/60/1	197-253	19.2	30	13.3	14			
NS23A48MA4	208-230/60/1	197-253	23.6	40	16.8	23			
NS23A60MA4	208-230/60/1	197-253	27.4	45	19.8	23			

DIMENSIONS DE L'UNITÉ (PO)

Modèle	Dimensions (po)			Poids à l'expédition (lb)
	A - Larg	B - Prof	C - Haut	
NS23A24MA4	37.75	35.75	37.50	230
NS23A36MA4	37.75	35.75	37.50	230
NS23A48MA4	37.75	35.75	43.75	300
NS23A60MA4	37.75	35.75	43.75	300

Remarque : Les dimensions indiquées sont celles de l'unité sans emballage
Les poids indiqués sont ceux de l'unité avec l'emballage



REMARQUE : L'aspect peut varier.

NIVEAUX ACOUSTIQUES

Modèle	Puissance acoustique[1] (Low)	Pression acoustique estimée (dBA)[2]			Puissance acoustique[1] (High)	Pression acoustique estimée (dBA)[2]		
		Distance approximative[3]				Distance approximative[3]		
		1 mètre (3,3 pieds)	2 mètres (6,6 pieds)	3 mètres (9,8 pieds)		1 mètre (3,3 pieds)	2 mètres (6,6 pieds)	3 mètres (9,8 pieds)
NS23A24MA4	62	54	48	44	71	63	57	53
NS23A36MA4	62	54	48	44	75	67	61	57
NS23A48MA4	65	57	51	47	76	68	62	58
NS23A60MA4	65	57	51	47	76	68	62	58

1. Évalué conformément à la norme 270 (2015) de l'AHRI. La norme 270 de l'AHRI établit une méthode d'évaluation de l'équipement unitaire extérieur en termes de puissance acoustique.
2. Évalué conformément à la norme 275 (2010) de l'AHRI. La norme 275 de l'AHRI fournit les calculs permettant pour évaluer la pression acoustique pondérée A à une distance donnée de l'équipement. Il s'agit d'une valeur plus utile parce que c'est ce que les humains entendront
3. Basé uniquement sur le facteur de distance; d'autres facteurs peuvent modifier cette valeur, tels que :
   - Emplacement de l'unité (surfaces réfléchissantes adjacentes à l'unité)
   - Sources de protection massique
   - Trajectoire/élévation du son
   - Sources de bruit extérieur

DONNÉES DE RÉFRIGÉRATION

Modèle	Charge réfr. (oz)*	Détendeur therm.	Dia. tuyau réfr.		Raccord unité extérieure		Raccord unité intérieure	
			Aspiration	Liquide	Aspiration	Liquide	Aspiration	Liquide
NS23A24MA4	127	H4TXV01	3/4	3/8	3/4	3/8	3/4	3/8
NS23A36MA4	128	H4TXV02	7/8		7/8		7/8	
NS23A48MA4	190	H4TXV03	7/8		7/8		7/8	
NS23A60MA4	191	H4TXV03	1-1/8		1-1/8		7/8	

* Charge d'usine pour jeu de tuyaux de 15 pi (4,6 m); régler selon les instructions d'installation
REMARQUE : La charge de réfrigérant varie également selon l'unité intérieure; se reporter à l'étiquette de la charge de réfrigérant

PERFORMANCES DE REFROIDISSEMENT AVEC DTC[1]

Modèle extérieur	Modèle intérieur	Cooling			
	Evap. Coil or Air Handler[3]	SEER2	EER2	AHRI Rated Capacity[2]	Sensible Capacity
NS23A24MA4	NAM24V2TA4	21.2	14.0	23,200	18,000
NS23A36MA4	NAM36VTA4	21.4	12.5	34,800	26,600
NS23A48MA4	NAM48VTA4	20.8	12.5	46,000	35,000
NS23A60MA4	NAM60VTA4	19.6	12.0	55,500	41,150

Remarque :
[1] DTC = Designated Tested Combination (combinaison d'essai désignée)
[2] Certifié conformément au Programme de certification des climatiseurs autonomes, sur la base de la norme 210/240 de l'AHRI.
[3] Un relais de temporisation de soufflante est installé de série sur tous les générateurs d'air chaud et les unités de traitement d'air de GE Appliances

ACCESSORIES

Description	Cas d'emploi	No trousse
H4TXV01 (TXV Kit)	24	1.851363
H4TXV02 (TXV Kit)	36	1.851364
H4TXV03 (TXV Kit)	48, 60	1.851365
Thermostat antigel	3/8 tubing	93G35
Réchauffeur de carter	Tous les modèles	Installé à l'usine
Couvercle de son	Tous les modèles	Installé à l'usine
Trousse de perte de charge	Tous les modèles	Installé à l'usine
Capteur de température de refoulement	Tous les modèles	88K38

ÉVALUATIONS ÉTENDUES DES PERFORMANCES DE REFROIDISSEMENT

NS23A24MA4 - NAM24V2TA4 (CAPACITÉ MAXIMALE)

Temp. De bulbe humide entrante	Volume d'air total		Température de l'air extérieur entrant dans le serpentin extérieur																														
			85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)						115° F (46.1° C)						125° F (51.7° C)					
			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)		
						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec		
	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	22.4	6.6	1220	.93	1.00	1.00	21.4	6.3	1390	.96	1.00	1.00	20.2	5.9	1580	.99	1.00	1.00	19.2	5.6	1770	1.00	1.00	1.00	18.2	5.3	1980	1.00	1.00	1.00
	800	380	23.4	6.9	1210	.97	1.00	1.00	22.2	6.5	1390	1.00	1.00	1.00	21.2	6.2	1580	1.00	1.00	1.00	20.0	5.9	1780	1.00	1.00	1.00	18.9	5.5	1990	1.00	1.00	1.00
	900	425	24.2	7.1	1210	1.00	1.00	1.00	23.0	6.7	1390	1.00	1.00	1.00	22.0	6.4	1580	1.00	1.00	1.00	20.8	6.1	1790	1.00	1.00	1.00	19.6	5.7	2000	1.00	1.00	1.00
63°F (17.2°C)	700	330	23.2	6.8	1210	.76	.89	1.00	21.8	6.4	1390	.78	.92	1.00	20.6	6.0	1580	.80	.95	1.00	19.4	5.7	1770	.82	.98	1.00	18.2	5.3	1980	.85	1.00	1.00
	800	380	23.8	7.0	1210	.78	.94	1.00	22.6	6.6	1390	.81	.97	1.00	21.2	6.2	1580	.83	.99	1.00	20.0	5.9	1780	.86	1.00	1.00	18.9	5.5	1990	.89	1.00	1.00
	900	425	24.4	7.2	1200	.81	.98	1.00	23.2	6.8	1390	.84	1.00	1.00	22.0	6.4	1580	.86	1.00	1.00	20.8	6.1	1780	.90	1.00	1.00	19.6	5.7	2000	.93	1.00	1.00
67°F (19.4°C)	700	330	24.6	7.2	1210	.59	.73	.86	23.2	6.8	1390	.60	.75	.89	22.0	6.4	1580	.62	.77	.92	20.6	6.0	1780	.63	.79	.95	19.3	5.7	2000	.65	.82	.98
	800	380	25.2	7.4	1200	.61	.76	.90	**23.8**	7.0	**1390**	**.63**	**.78**	**.93**	22.4	6.6	1580	.64	.81	.96	21.0	6.2	1780	.65	.83	.99	19.7	5.8	2000	.67	.86	1.00
	900	425	25.8	7.6	1200	.63	.79	.94	24.4	7.2	1390	.64	.81	.97	23.0	6.7	1580	.66	.84	1.00	21.4	6.3	1790	.68	.87	1.00	20.0	5.9	2000	.70	.90	1.00
71°F (21.7°C)	700	330	25.8	7.6	1200	.45	.58	.70	24.6	7.2	1380	.45	.59	.72	23.2	6.8	1580	.46	.60	.74	21.8	6.4	1790	.47	.62	.77	20.6	6.0	2010	.47	.63	.79
	800	380	26.6	7.8	1190	.46	.60	.74	25.2	7.4	1380	.46	.61	.76	23.8	7.0	1590	.47	.63	.78	22.4	6.6	1790	.48	.64	.81	21.0	6.2	2020	.48	.66	.83
	900	425	27.2	8.0	1190	.47	.62	.76	25.8	7.6	1380	.47	.63	.78	24.2	7.1	1580	.48	.65	.81	22.8	6.7	1800	.48	.67	.84	21.4	6.3	2020	.49	.69	.88

NS23A24MA4 - NAM24V2TA4 (CAPACITÉ INTERMÉDIAIRE)

Temp. De bulbe humide entrante	Volume d'air total		Température de l'air extérieur entrant dans le serpentin extérieur																														
			85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)						115° F (46.1° C)						125° F (51.7° C)					
			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)		
						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec		
	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)	440	210	15.0	4.4	600	.91	1.00	1.00	14.4	4.2	710	.94	1.00	1.00	13.7	4.0	830	.97	1.00	1.00	12.9	3.8	950	1.00	1.00	1.00	12.2	3.6	1090	1.00	1.00	1.00
	500	235	15.7	4.6	590	.96	1.00	1.00	15.0	4.4	700	.98	1.00	1.00	14.3	4.2	830	1.00	1.00	1.00	13.5	4.0	960	1.00	1.00	1.00	12.7	3.7	1090	1.00	1.00	1.00
	565	265	16.4	4.8	580	.99	1.00	1.00	15.7	4.6	700	1.00	1.00	1.00	14.9	4.4	820	1.00	1.00	1.00	14.0	4.1	950	1.00	1.00	1.00	13.2	3.9	1090	1.00	1.00	1.00
63°F (17.2°C)	440	210	15.6	4.6	590	.74	.88	1.00	14.9	4.4	700	.76	.90	1.00	14.0	4.1	830	.78	.93	1.00	13.1	3.8	950	.81	.97	1.00	12.2	3.6	1090	.83	1.00	1.00
	500	235	16.1	4.7	580	.77	.92	1.00	15.3	4.5	700	.79	.95	1.00	14.4	4.2	820	.81	.98	1.00	13.5	4.0	950	.84	1.00	1.00	12.7	3.7	1090	.87	1.00	1.00
	565	265	16.5	4.8	580	.80	.96	1.00	15.7	4.6	700	.82	.99	1.00	14.9	4.4	820	.85	1.00	1.00	14.0	4.1	950	.88	1.00	1.00	13.2	3.9	1100	.92	1.00	1.00
67°F (19.4°C)	440	210	16.6	4.9	580	.59	.72	.84	15.8	4.6	700	.60	.74	.87	14.9	4.4	820	.61	.76	.90	13.9	4.1	950	.62	.78	.93	13.0	3.8	1090	.64	.81	.97
	500	235	17.0	5.0	570	.61	.74	.88	**16.2**	4.7	**690**	**.62**	**.77**	**.91**	15.3	4.5	820	.63	.78	.94	14.3	4.2	950	.64	.81	.98	13.3	3.9	1100	.66	.85	1.00
	565	265	17.5	5.1	570	.62	.77	.92	16.6	4.9	690	.63	.79	.95	15.7	4.6	820	.65	.82	.98	14.6	4.3	950	.67	.85	1.00	13.6	4.0	1090	.69	.89	1.00
71°F (21.7°C)	440	210	17.5	5.1	570	.44	.57	.68	16.6	4.9	690	.45	.58	.71	15.7	4.6	820	.45	.59	.73	14.8	4.3	950	.46	.61	.75	13.8	4.0	1090	.47	.62	.78
	500	235	18.0	5.3	560	.46	.59	.73	17.1	5.0	690	.46	.60	.74	16.2	4.7	810	.46	.61	.76	15.2	4.5	950	.47	.63	.79	14.2	4.2	1090	.47	.65	.82
	565	265	18.4	5.4	560	.46	.61	.75	17.5	5.1	680	.47	.62	.77	16.6	4.9	810	.47	.64	.80	15.5	4.5	950	.48	.66	.83	14.5	4.2	1090	.49	.68	.86

ÉVALUATIONS ÉTENDUES DES PERFORMANCES DE REFROIDISSEMENT

NS23A24MA4 - NAM24V2TA4 (CAPACITÉ MINIMALE)

Entering Wet Bulb Temperature	Volume d'air total		Température de l'air extérieur entrant dans le serpentin extérieur																					
			75° F (23.9° C)						85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)			
			Cap. De refr. Totale		Cap. De refr. Totale		Rapport sensible/total (s/t)		Cap. De refr. Totale		Rapport sensible/total (s/t)		Cap. De refr. Totale		Rapport sensible/total (s/t)			Cap. De refr. Totale		Rapport sensible/total (s/t)				
							Temp. Bulbe sec				Temp. Bulbe sec				Temp. Bulbe sec					Temp. Bulbe sec				
	cfm	L/s	kBtuh	kW	Totale kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW	Totale kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW	Totale kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW	Totale 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

ÉVALUATIONS ÉTENDUES DES PERFORMANCES DE REFROIDISSEMENT

NS23A36MA4-**A - NAM36VTA4 (CAPACITÉ MAXIMALE)

Temp. De bulbe humide entrante	Volume d'air total		Température de l'air extérieur entrant dans le serpentin extérieur																											
			85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)						115° F (46.1° C)						125° F (51.7° C)					
			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)		
						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec		
	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)	1025	485	33.0	9.7	2030	.92	1.00	1.00	31.6	9.3	2280	.94	1.00	1.00	30.2	8.9	2550	.97	1.00	1.00	28.6	8.4	2840	.99	1.00	1.00	26.8	7.9	3160	1.00	1.00	1.00
	1180	555	34.6	10.1	2030	.96	1.00	1.00	33.2	9.7	2290	.98	1.00	1.00	31.6	9.3	2570	1.00	1.00	1.00	29.8	8.7	2860	1.00	1.00	1.00	28.0	8.2	3180	1.00	1.00	1.00
	1325	625	35.8	10.5	2040	.99	1.00	1.00	34.2	10.0	2300	1.00	1.00	1.00	32.6	9.6	2580	1.00	1.00	1.00	30.8	9.0	2880	1.00	1.00	1.00	28.8	8.4	3200	1.00	1.00	1.00
63°F (17.2°C)	1025	485	34.4	10.1	2030	.74	.88	1.00	32.8	9.6	2290	.76	.90	1.00	31.0	9.1	2560	.78	.93	1.00	29.0	8.5	2850	.80	.96	1.00	27.0	7.9	3160	.83	.99	1.00
	1180	555	35.4	10.4	2030	.77	.92	1.00	33.6	9.8	2300	.79	.95	1.00	31.8	9.3	2570	.81	.97	1.00	30.0	8.8	2870	.84	1.00	1.00	28.0	8.2	3180	.87	1.00	1.00
	1325	625	36.2	10.6	2040	.80	.96	1.00	34.6	10.1	2300	.82	.98	1.00	32.6	9.6	2580	.85	1.00	1.00	30.8	9.0	2880	.88	1.00	1.00	28.8	8.4	3200	.91	1.00	1.00
67°F (19.4°C)	1025	485	36.4	10.7	2030	.59	.72	.85	34.8	10.2	2300	.60	.73	.87	32.8	9.6	2580	.61	.75	.89	30.8	9.0	2880	.62	.78	.93	28.6	8.4	3200	.64	.81	.96
	1180	555	37.6	11.0	2040	.60	.75	.89	**35.8**	10.5	**2310**	**.62**	**.77**	**.92**	33.8	9.9	2590	.63	.79	.94	31.6	9.3	2890	.65	.82	.97	29.2	8.6	3210	.67	.85	1.00
	1325	625	38.5	11.3	2040	.62	.78	.93	36.4	10.7	2310	.64	.80	.96	34.4	10.1	2600	.65	.82	.98	32.2	9.4	2900	.67	.85	1.00	29.8	8.7	3220	.69	.89	1.00
71°F (21.7°C)	1025	485	38.5	11.3	2040	.45	.57	.70	36.6	10.7	2310	.45	.58	.71	34.8	10.2	2600	.46	.59	.73	32.6	9.6	2900	.46	.61	.75	30.2	8.9	3230	.47	.63	.78
	1180	555	39.5	11.6	2030	.45	.59	.72	37.8	11.1	2320	.46	.60	.74	35.6	10.4	2610	.46	.62	.77	33.4	9.8	2920	.47	.63	.79	31.0	9.1	3240	.48	.65	.82
	1325	625	40.5	11.9	2030	.46	.61	.76	38.5	11.3	2310	.47	.62	.78	36.4	10.7	2610	.47	.64	.80	34.0	10.0	2920	.48	.66	.83	31.6	9.3	3250	.49	.68	.87

NS23A36MA4-**A - NAM36VTA4 (CAPACITÉ INTERMÉDIAIRE)

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)	680	320	20.2	5.9	730	.98	1.00	1.00	19.4	5.7	870	1.00	1.00	1.00	18.5	5.4	1030	1.00	1.00	1.00	17.5	5.1	1180	1.00	1.00	1.00	16.4	4.8	1350	1.00	1.00	1.00
	780	370	21.2	6.2	720	1.00	1.00	1.00	20.2	5.9	870	1.00	1.00	1.00	19.2	5.6	1020	1.00	1.00	1.00	18.2	5.3	1180	1.00	1.00	1.00	17.1	5.0	1350	1.00	1.00	1.00
	880	415	21.8	6.4	710	1.00	1.00	1.00	21.0	6.2	860	1.00	1.00	1.00	19.8	5.8	1020	1.00	1.00	1.00	18.7	5.5	1180	1.00	1.00	1.00	17.6	5.2	1350	1.00	1.00	1.00
63°F (17.2°C)	680	320	20.6	6.0	730	.79	.95	1.00	19.6	5.7	870	.81	.97	1.00	18.5	5.4	1020	.83	1.00	1.00	17.5	5.1	1180	.86	1.00	1.00	16.4	4.8	1350	.89	1.00	1.00
	780	370	21.2	6.2	720	.83	.99	1.00	20.2	5.9	870	.85	1.00	1.00	19.2	5.6	1020	.87	1.00	1.00	18.2	5.3	1180	.91	1.00	1.00	17.1	5.0	1350	.95	1.00	1.00
	880	415	21.8	6.4	710	.86	1.00	1.00	21.0	6.2	860	.88	1.00	1.00	19.9	5.8	1020	.92	1.00	1.00	18.7	5.5	1180	.96	1.00	1.00	17.6	5.2	1350	.99	1.00	1.00
67°F (19.4°C)	680	320	21.8	6.4	710	.62	.77	.91	20.8	6.1	860	.63	.78	.94	19.5	5.7	1020	.64	.80	.97	18.3	5.4	1180	.66	.84	1.00	17.1	5.0	1350	.68	.87	1.00
	780	370	22.4	6.6	700	.63	.80	.96	**21.2**	6.2	**860**	**.65**	**.83**	**.98**	20.0	5.9	1010	.67	.85	1.00	18.7	5.5	1180	.68	.89	1.00	17.5	5.1	1350	.71	.92	1.00
	880	415	22.8	6.7	690	.66	.84	1.00	21.6	6.3	850	.67	.86	1.00	20.4	6.0	1010	.69	.89	1.00	19.1	5.6	1180	.72	.93	1.00	17.8	5.2	1350	.74	.97	1.00
71°F (21.7°C)	680	320	23.0	6.7	690	.46	.60	.74	22.0	6.4	850	.46	.61	.76	20.6	6.0	1010	.47	.63	.78	19.4	5.7	1180	.47	.65	.81	18.2	5.3	1350	.49	.67	.84
	780	370	23.6	6.9	680	.47	.62	.78	22.4	6.6	840	.47	.64	.80	21.2	6.2	1000	.48	.66	.82	19.9	5.8	1180	.49	.68	.86	18.6	5.5	1350	.50	.70	.90
	880	415	24.2	7.1	670	.47	.65	.81	23.0	6.7	830	.49	.66	.84	21.6	6.3	1000	.49	.69	.87	20.2	5.9	1170	.50	.71	.91	18.9	5.5	1350	.51	.73	.95

ÉVALUATIONS ÉTENDUES DES PERFORMANCES DE REFROIDISSEMENT

NS23A36MA4-A - NAM36VTA4 (CAPACITÉ MINIMALE)**

Temp. De bulbe humide entrante	Volume d'air total		Température de l'air extérieur entrant dans le serpentin extérieur																									
			75° F (23.9° C)							85° F (29.4° C)							95° F (35° C)						105° F (40.6° C)					
			Cap. De refr. Totale		Cap. De refr. Totale		Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale		Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale		Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale		Rapport sensible/total (s/t)		
							Temp. Bulbe sec							Temp. Bulbe sec							Temp. Bulbe sec							Temp. Bulbe sec		
	cfm	L/s	kBtuh	kW	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW	kW		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C
59°F (15°C)	445	210	12.1	3.5	340		1.00	1.00	1.00	11.5	3.4	430		1.00	1.00	1.00	10.9	3.2	520		1.00	1.00	1.00	10.3	3.0	610		1.00	1.00	1.00
	500	235	12.5	3.7	340		1.00	1.00	1.00	11.9	3.5	420		1.00	1.00	1.00	11.3	3.3	510		1.00	1.00	1.00	10.6	3.1	610		1.00	1.00	1.00
	575	270	13.0	3.8	330		1.00	1.00	1.00	12.4	3.6	410		1.00	1.00	1.00	11.7	3.4	510		1.00	1.00	1.00	11.0	3.2	610		1.00	1.00	1.00
63°F (17.2°C)	445	210	12.1	3.5	340		.85	1.00	1.00	11.5	3.4	430		.87	1.00	1.00	10.9	3.2	520		.91	1.00	1.00	10.3	3.0	620		.95	1.00	1.00
	500	235	12.5	3.7	340		.89	1.00	1.00	12.0	3.5	420		.92	1.00	1.00	11.3	3.3	510		.95	1.00	1.00	10.6	3.1	610		.99	1.00	1.00
	575	270	13.0	3.8	330		.95	1.00	1.00	12.5	3.7	420		.98	1.00	1.00	11.8	3.5	510		1.00	1.00	1.00	11.0	3.2	610		1.00	1.00	1.00
67°F (19.4°C)	445	210	12.7	3.7	330		.65	.82	.99	12.1	3.5	420		.66	.85	1.00	11.3	3.3	510		.68	.88	1.00	10.5	3.1	610		.71	.92	1.00
	500	235	13.0	3.8	330		.68	.86	1.00	12.3	3.6	420		.69	.89	1.00	**11.5**	3.4	**510**		**.71**	**.93**	**1.00**	10.7	3.1	610		.74	.97	1.00
	575	270	13.3	3.9	320		.71	.92	1.00	12.6	3.7	410		.73	.95	1.00	11.8	3.5	510		.75	.98	1.00	11.0	3.2	610		.78	1.00	1.00
71°F (21.7°C)	445	210	13.5	4.0	320		.47	.64	.80	12.9	3.8	410		.47	.65	.82	12.1	3.5	500		.48	.67	.85	11.2	3.3	600		.49	.69	.89
	500	235	13.8	4.0	310		.48	.66	.83	13.2	3.9	400		.48	.68	.86	12.3	3.6	500		.50	.70	.90	11.5	3.4	600		.51	.73	.94
	575	270	14.2	4.2	300		.49	.70	.89	13.5	4.0	400		.50	.72	.92	12.6	3.7	490		.51	.74	.96	11.7	3.4	600		.53	.77	1.00

ÉVALUATIONS ÉTENDUES DES PERFORMANCES DE REFROIDISSEMENT

NS23A48MA4-**A - NAM48VTA4 (CAPACITÉ MAXIMALE)

Temp. De bulbe humide entrante	Volume d'air total		Température de l'air extérieur entrant dans le serpentin extérieur																														
			85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)						115° F (46.1° C)						125° F (51.7° C)					
			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)		
						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec		
	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)	1370	645	44.0	12.9	2520	.91	1.00	1.00	42.0	12.3	2870	.93	1.00	1.00	40.5	11.9	3250	.96	1.00	1.00	38.5	11.3	3650	.99	1.00	1.00	36.0	10.6	4070	1.00	1.00	1.00
	1570	740	46.0	13.5	2520	.95	1.00	1.00	44.0	12.9	2870	.98	1.00	1.00	42.0	12.3	3250	.99	1.00	1.00	40.0	11.7	3660	1.00	1.00	1.00	37.6	11.0	4100	1.00	1.00	1.00
	1770	835	47.5	13.9	2510	.99	1.00	1.00	45.5	13.3	2870	1.00	1.00	1.00	43.5	12.7	3260	1.00	1.00	1.00	41.5	12.2	3670	1.00	1.00	1.00	39.0	11.4	4120	1.00	1.00	1.00
63°F (17.2°C)	1370	645	46.0	13.5	2520	.74	.88	1.00	44.0	12.9	2870	.76	.90	1.00	41.5	12.2	3250	.77	.92	1.00	39.0	11.4	3650	.80	.95	1.00	36.4	10.7	4080	.82	.99	1.00
	1570	740	47.5	13.9	2510	.77	.92	1.00	45.0	13.2	2880	.79	.94	1.00	42.5	12.5	3260	.81	.97	1.00	40.0	11.7	3660	.83	.99	1.00	37.6	11.0	4090	.86	1.00	1.00
	1770	835	48.5	14.2	2510	.80	.96	1.00	46.0	13.5	2870	.82	.98	1.00	44.0	12.9	3270	.84	1.00	1.00	41.5	12.2	3680	.86	1.00	1.00	39.0	11.4	4120	.90	1.00	1.00
67°F (19.4°C)	1370	645	48.5	14.2	2510	.59	.72	.84	46.0	13.5	2880	.60	.73	.86	44.0	12.9	3260	.61	.75	.89	41.5	12.2	3680	.62	.77	.92	38.5	11.3	4110	.64	.80	.95
	1570	740	49.5	14.5	2500	.61	.75	.88	**47.5**	13.9	**2880**	**.62**	**.76**	**.91**	45.0	13.2	3270	.63	.78	.93	42.5	12.5	3690	.64	.81	.96	39.5	11.6	4120	.66	.84	.99
	1770	835	51.0	14.9	2500	.62	.78	.92	48.5	14.2	2880	.63	.79	.95	46.0	13.5	3280	.65	.81	.97	43.5	12.7	3700	.66	.84	1.00	40.5	11.9	4130	.68	.88	1.00
71°F (21.7°C)	1370	645	51.0	14.9	2500	.45	.58	.69	48.5	14.2	2870	.45	.58	.71	46.5	13.6	3270	.46	.59	.72	44.0	12.9	3700	.46	.61	.75	41.0	12.0	4140	.47	.62	.77
	1570	740	52.5	15.4	2490	.45	.59	.72	50.0	14.7	2870	.46	.60	.74	47.5	13.9	3280	.47	.62	.76	45.0	13.2	3710	.47	.63	.78	42.0	12.3	4160	.47	.65	.81
	1770	835	53.5	15.7	2480	.47	.61	.75	51.0	14.9	2870	.47	.62	.77	48.5	14.2	3280	.48	.64	.79	45.5	13.3	3710	.48	.65	.82	42.5	12.5	4170	.48	.67	.85

NS23A48MA4-**A - NAM48VTA4 (CAPACITÉ INTERMÉDIAIRE)

Temp. De bulbe humide entrante	Volume d'air total		Température de l'air extérieur entrant dans le serpentin extérieur																														
			85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)						115° F (46.1° C)						125° F (51.7° C)					
			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)		
						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec		
	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)	895	420	29.8	8.7	1090	.93	1.00	1.00	28.8	8.4	1300	.95	1.00	1.00	27.4	8.0	1530	.98	1.00	1.00	26.2	7.7	1760	1.00	1.00	1.00	24.8	7.3	2010	1.00	1.00	1.00
	1025	485	31.2	9.1	1070	.97	1.00	1.00	30.0	8.8	1290	.99	1.00	1.00	28.6	8.4	1520	1.00	1.00	1.00	27.2	8.0	1760	1.00	1.00	1.00	25.8	7.6	2020	1.00	1.00	1.00
	1155	545	32.4	9.5	1060	1.00	1.00	1.00	31.0	9.1	1280	1.00	1.00	1.00	29.6	8.7	1520	1.00	1.00	1.00	28.2	8.3	1760	1.00	1.00	1.00	26.6	7.8	2020	1.00	1.00	1.00
63°F (17.2°C)	895	420	30.8	9.0	1080	.76	.90	1.00	29.4	8.6	1290	.77	.92	1.00	28.0	8.2	1520	.79	.94	1.00	26.4	7.7	1770	.81	.97	1.00	24.8	7.3	2020	.83	1.00	1.00
	1025	485	31.8	9.3	1070	.79	.94	1.00	30.4	8.9	1290	.80	.96	1.00	28.8	8.4	1520	.82	.99	1.00	27.4	8.0	1770	.85	1.00	1.00	25.8	7.6	2020	.87	1.00	1.00
	1155	545	32.6	9.6	1050	.82	.98	1.00	31.2	9.1	1280	.83	1.00	1.00	29.8	8.7	1520	.86	1.00	1.00	28.2	8.3	1760	.88	1.00	1.00	26.6	7.8	2030	.92	1.00	1.00
67°F (19.4°C)	895	420	32.6	9.6	1050	.59	.73	.86	31.0	9.1	1280	.61	.74	.88	29.6	8.7	1520	.61	.76	.91	28.0	8.2	1760	.63	.78	.93	26.2	7.7	2020	.64	.81	.97
	1025	485	33.6	9.8	1040	.61	.76	.91	**32.0**	9.4	**1270**	**.63**	**.78**	**.93**	30.4	8.9	1510	.63	.80	.95	28.8	8.4	1760	.65	.82	.98	27.0	7.9	2020	.67	.85	1.00
	1155	545	34.4	10.1	1030	.63	.79	.95	32.8	9.6	1260	.64	.81	.97	31.2	9.1	1510	.66	.83	.99	29.4	8.6	1760	.67	.86	1.00	27.6	8.1	2020	.69	.89	1.00
71°F (21.7°C)	895	420	34.4	10.1	1030	.45	.58	.70	32.8	9.6	1260	.46	.59	.72	31.4	9.2	1510	.46	.60	.74	29.6	8.7	1760	.47	.61	.76	27.8	8.1	2020	.47	.63	.78
	1025	485	35.4	10.4	1010	.46	.60	.74	33.8	9.9	1250	.47	.61	.75	32.2	9.4	1500	.47	.62	.77	30.4	8.9	1760	.47	.64	.80	28.6	8.4	2020	.48	.66	.82
	1155	545	36.2	10.6	1000	.47	.62	.77	34.6	10.1	1240	.47	.63	.79	32.8	9.6	1490	.48	.65	.81	31.0	9.1	1750	.49	.66	.84	29.0	8.5	2020	.50	.69	.87

ÉVALUATIONS ÉTENDUES DES PERFORMANCES DE REFROIDISSEMENT

NS23A48MA4-A - NAM48VTA4 (CAPACITÉ MINIMALE)**

Temp. De bulbe humide entrante	Volume d'air total		Température de l'air extérieur entrant dans le serpentin extérieur																									
			75° F (23.9° C)							85° F (29.4° C)							95° F (35° C)						105° F (40.6° C)					
			Cap. De refr. Totale		Cap. De refr. Totale	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale	Rapport sensible/total (s/t)		
						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec		
	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)	680	320	20.8	6.1	620	.99	1.00	1.00	20.0	5.9	770	1.00	1.00	1.00	19.0	5.6	900	1.00	1.00	1.00	18.0	5.3	1080	1.00	1.00	1.00
	780	370	21.8	6.4	610	1.00	1.00	1.00	20.8	6.1	760	1.00	1.00	1.00	19.8	5.8	910	1.00	1.00	1.00	18.8	5.5	1080	1.00	1.00	1.00
	880	415	22.6	6.6	600	1.00	1.00	1.00	21.6	6.3	750	1.00	1.00	1.00	20.6	6.0	910	1.00	1.00	1.00	19.6	5.7	1090	1.00	1.00	1.00
63°F (17.2°C)	680	320	21.2	6.2	620	.80	.96	1.00	20.0	5.9	770	.82	.98	1.00	19.0	5.6	920	.84	1.00	1.00	18.0	5.3	1080	.95	1.00	1.00
	780	370	21.8	6.4	610	.83	1.00	1.00	20.8	6.1	760	.86	1.00	1.00	19.8	5.8	910	.88	1.00	1.00	18.8	5.5	1070	.98	1.00	1.00
	880	415	22.6	6.6	600	.87	1.00	1.00	21.6	6.3	750	.90	1.00	1.00	20.6	6.0	910	.92	1.00	1.00	19.6	5.7	1080	.96	1.00	1.00
67°F (19.4°C)	680	320	22.4	6.6	600	.62	.77	.92	21.2	6.2	750	.63	.79	.95	20.0	5.9	910	.64	.81	.98	18.9	5.5	1080	.65	.84	1.00
	780	370	23.0	6.7	590	.64	.81	.97	21.8	6.4	750	.66	.83	1.00	**20.6**	6.0	**900**	**.68**	**.86**	**1.00**	19.4	5.7	1070	.68	.89	1.00
	880	415	23.6	6.9	580	.66	.85	1.00	22.4	6.6	740	.68	.87	1.00	21.0	6.2	900	.70	.90	1.00	19.6	5.7	1080	.71	.92	1.00
71°F (21.7°C)	680	320	23.6	6.9	580	.46	.61	.75	22.4	6.6	740	.47	.62	.77	21.2	6.2	900	.47	.63	.79	20.0	5.9	1070	.48	.68	.84
	780	370	24.2	7.1	570	.47	.63	.79	23.0	6.7	730	.48	.65	.81	21.8	6.4	890	.48	.66	.83	20.7	6.1	1080	.49	.71	.86
	880	415	24.8	7.3	560	.49	.66	.83	23.6	6.9	720	.49	.67	.85	22.2	6.5	890	.50	.69	.88	20.9	6.1	1080	.51	.72	.95

NS23A60MA4-**A - NAM60VTA4 (CAPACITÉ MAXIMALE)

Temp. De bulbe humide entrante	Volume d'air total		Température de l'air extérieur entrant dans le serpentin extérieur																														
			85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)						115° F (46.1° C)						125° F (51.7° C)					
			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)		
						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec		
	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)	1600	755	52.5	15.4	3270	.89	1.00	1.00	51.0	14.9	3720	.91	1.00	1.00	49.0	14.4	4250	.93	1.00	1.00	47.5	13.9	4920	.95	1.00	1.00	45.5	13.3	5730	.98	1.00	1.00
	1815	855	55.0	16.1	3280	.92	1.00	1.00	53.0	15.5	3730	.94	1.00	1.00	51.0	14.9	4270	.96	1.00	1.00	49.0	14.4	4930	.98	1.00	1.00	47.0	13.8	5750	1.00	1.00	1.00
	2000	945	56.5	16.6	3280	.94	1.00	1.00	55.0	16.1	3730	.96	1.00	1.00	52.5	15.4	4270	.99	1.00	1.00	50.5	14.8	4950	1.00	1.00	1.00	48.5	14.2	5770	1.00	1.00	1.00
63°F (17.2°C)	1600	755	55.0	16.1	3270	.73	.85	.97	53.0	15.5	3720	.74	.87	.99	51.0	14.9	4260	.76	.89	1.00	48.5	14.2	4930	.77	.92	1.00	46.0	13.5	5730	.79	.94	1.00
	1815	855	57.0	16.7	3280	.75	.89	1.00	54.5	16.0	3730	.77	.91	1.00	52.5	15.4	4280	.78	.93	1.00	50.0	14.7	4940	.80	.95	1.00	47.5	13.9	5760	.82	.98	1.00
	2000	945	58.0	17.0	3280	.77	.91	1.00	55.5	16.3	3740	.78	.93	1.00	53.5	15.7	4280	.80	.96	1.00	51.0	14.9	4950	.82	.98	1.00	48.5	14.2	5760	.85	1.00	1.00
67°F (19.4°C)	1600	755	58.5	17.1	3280	.59	.71	.82	56.0	16.4	3730	.59	.72	.84	53.5	15.7	4270	.60	.73	.86	51.0	14.9	4950	.61	.75	.88	49.0	14.4	5780	.62	.77	.91
	1815	855	60.0	17.6	3290	.60	.73	.85	**58.0**	17.0	**3740**	**.61**	**.74**	**.87**	55.5	16.3	4290	.62	.76	.90	52.5	15.4	4950	.63	.78	.92	50.0	14.7	5780	.64	.80	.95
	2000	945	61.5	18.0	3290	.61	.75	.88	59.0	17.3	3750	.62	.76	.90	56.5	16.6	4300	.63	.78	.93	53.5	15.7	4970	.64	.80	.95	51.0	14.9	5810	.66	.82	.98
71°F (21.7°C)	1600	755	61.5	18.0	3290	.45	.57	.68	59.0	17.3	3740	.45	.58	.70	56.5	16.6	4290	.45	.59	.71	54.0	15.8	4960	.46	.60	.73	51.5	15.1	5810	.46	.61	.74
	1815	855	63.5	18.6	3290	.45	.58	.71	61.0	17.9	3750	.46	.60	.72	58.5	17.1	4310	.46	.60	.73	55.5	16.3	4990	.47	.62	.75	52.5	15.4	5810	.47	.63	.77
	2000	945	65.0	19.0	3290	.46	.60	.72	62.0	18.2	3750	.46	.61	.74	59.5	17.4	4310	.47	.62	.76	56.5	16.6	5000	.47	.63	.78	53.5	15.7	5840	.48	.64	.80

NS23A60MA4-**A - NAM60VTA4 (CAPACITÉ INTERMÉDIAIRE)

Temp. De bulbe humide entrante	Volume d'air total		Température de l'air extérieur entrant dans le serpentin extérieur																														
			85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)						115° F (46.1° C)						125° F (51.7° C)					
			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)		
						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec		
	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)	995	470	35.2	10.3	1450	.89	1.00	1.00	34.0	10.0	1740	.92	1.00	1.00	32.8	9.6	2030	.94	1.00	1.00	31.6	9.3	2350	.97	1.00	1.00	30.2	8.9	2720	.99	1.00	1.00
	1135	535	37.0	10.8	1440	.93	1.00	1.00	35.6	10.4	1720	.95	1.00	1.00	34.4	10.1	2020	.98	1.00	1.00	33.0	9.7	2340	1.00	1.00	1.00	31.4	9.2	2710	1.00	1.00	1.00
	1250	590	38.0	11.1	1420	.96	1.00	1.00	36.8	10.8	1710	.98	1.00	1.00	35.4	10.4	2000	1.00	1.00	1.00	34.0	10.0	2320	1.00	1.00	1.00	32.4	9.5	2700	1.00	1.00	1.00
63°F (17.2°C)	995	470	36.8	10.8	1430	.74	.86	.98	35.2	10.3	1720	.75	.88	1.00	33.8	9.9	2020	.76	.90	1.00	32.2	9.4	2330	.78	.93	1.00	30.4	8.9	2720	.80	.96	1.00
	1135	535	38.0	11.1	1420	.76	.90	1.00	36.4	10.7	1710	.77	.92	1.00	34.8	10.2	2010	.79	.94	1.00	33.2	9.7	2330	.81	.97	1.00	31.4	9.2	2710	.84	1.00	1.00
	1250	590	39.0	11.4	1420	.78	.92	1.00	37.2	10.9	1710	.80	.95	1.00	35.6	10.4	2000	.82	.97	1.00	34.0	10.0	2330	.84	1.00	1.00	32.4	9.5	2700	.87	1.00	1.00
67°F (19.4°C)	995	470	39.0	11.4	1420	.59	.71	.83	37.4	11.0	1710	.60	.73	.85	35.8	10.5	2000	.61	.74	.87	34.2	10.0	2320	.62	.76	.89	32.4	9.5	2710	.63	.78	.93
	1135	535	40.5	11.9	1400	.60	.74	.86	**38.5**	11.3	**1700**	**.61**	**.75**	**.88**	37.0	10.8	1990	.62	.77	.91	35.2	10.3	2310	.63	.79	.94	33.2	9.7	2690	.65	.81	.97
	1250	590	41.5	12.2	1390	.62	.75	.89	39.5	11.6	1690	.63	.77	.92	37.6	11.0	1980	.64	.79	.94	35.8	10.5	2310	.65	.81	.97	33.8	9.9	2690	.67	.84	1.00
71°F (21.7°C)	995	470	41.5	12.2	1390	.45	.58	.69	39.5	11.6	1690	.45	.58	.70	37.8	11.1	1980	.46	.59	.72	36.2	10.6	2300	.45	.60	.73	34.2	10.0	2690	.46	.61	.75
	1135	535	42.5	12.5	1380	.46	.59	.71	41.0	12.0	1670	.45	.60	.73	39.0	11.4	1970	.46	.61	.75	37.2	10.9	2290	.47	.62	.77	35.2	10.3	2670	.47	.64	.79
	1250	590	43.5	12.7	1360	.46	.60	.73	41.5	12.2	1660	.46	.61	.75	40.0	11.7	1960	.47	.62	.77	37.8	11.1	2280	.48	.64	.79	35.8	10.5	2660	.48	.65	.82

ÉVALUATIONS ÉTENDUES DES PERFORMANCES DE REFROIDISSEMENT

NS23A60MA4-A - NAM60VTA4 (CAPACITÉ MINIMALE)**

Temp. De bulbe humide entrante	Volume d'air total		Température de l'air extérieur entrant dans le serpentin extérieur																							
			75° F (23.9° C)						85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)					
			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)			Cap. De refr. Totale		Cap. De refr. Totale kW	Rapport sensible/total (s/t)		
						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec						Temp. Bulbe sec		
	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)	770	365	22.2	6.5	680	.97	1.00	1.00	21.2	6.2	880	1.00	1.00	1.00	20.2	5.9	1100	1.00	1.00	1.00	19.0	5.6	1330	1.00	1.00	1.00
	880	415	23.2	6.8	680	1.00	1.00	1.00	22.2	6.5	880	1.00	1.00	1.00	21.2	6.2	1110	1.00	1.00	1.00	20.0	5.9	1340	1.00	1.00	1.00
	975	460	24.0	7.0	680	1.00	1.00	1.00	23.0	6.7	890	1.00	1.00	1.00	21.8	6.4	1120	1.00	1.00	1.00	20.6	6.0	1350	1.00	1.00	1.00
63°F (17.2°C)	770	365	22.6	6.6	680	.79	.94	1.00	21.4	6.3	880	.81	.97	1.00	20.2	5.9	1100	.84	1.00	1.00	19.2	5.6	1330	.88	1.00	1.00
	880	415	23.4	6.9	680	.82	.98	1.00	22.2	6.5	880	.85	1.00	1.00	21.2	6.2	1110	.88	1.00	1.00	20.0	5.9	1340	.92	1.00	1.00
	975	460	24.2	7.1	680	.85	1.00	1.00	23.0	6.7	890	.88	1.00	1.00	21.8	6.4	1120	.92	1.00	1.00	20.6	6.0	1350	.96	1.00	1.00
67°F (19.4°C)	770	365	24.0	7.0	680	.62	.76	.90	22.8	6.7	890	.64	.79	.93	21.4	6.3	1120	.65	.82	.97	20.0	5.9	1340	.67	.85	1.00
	880	415	24.8	7.3	680	.64	.80	.95	23.4	6.9	890	.66	.82	.98	**22.0**	6.4	**1120**	**.68**	**.86**	**1.00**	20.6	6.0	1350	.70	.89	1.00
	975	460	25.4	7.4	680	.66	.82	.98	23.8	7.0	890	.67	.85	1.00	22.4	6.6	1130	.70	.89	1.00	21.0	6.2	1360	.72	.93	1.00
71°F (21.7°C)	770	365	25.6	7.5	680	.46	.61	.74	24.2	7.1	900	.47	.62	.76	22.8	6.7	1130	.47	.64	.79	21.4	6.3	1360	.48	.66	.82
	880	415	26.4	7.7	680	.47	.63	.77	25.0	7.3	900	.48	.64	.80	23.4	6.9	1140	.49	.66	.83	22.0	6.4	1370	.50	.68	.86
	975	460	27.0	7.9	680	.48	.64	.80	25.4	7.4	910	.49	.66	.83	24.0	7.0	1150	.49	.68	.86	22.4	6.6	1380	.51	.71	.90

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