



# GE APPLIANCES NS18HM Variable Speed High Efficiency Split Heat Pump System Instruction Manual

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**GE APPLIANCES NS18HM Variable Speed High-Efficiency Split Heat Pump System**



## **PRODUCT SPECIFICATIONS**

### **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 grille
- External gauge ports for easy service
- Removable service panel for internal access
- Compliant with Florida Building Code 2020

### **COILS**

- Coil 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 build-up

### **DESIGN**

- Designed for installation with a standard 24V Heat Pump or Dual Fuel thermostat
- 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
- 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 (5 Ton)
- 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
- Technology that uses proprietary algorithms and specialized sensors to monitor liquid and suction temperatures and pressures for precision system control in true variable speed operation
- Shipped factory charged for 15 feet of line set
- Discharge muffler for quiet operation
- Demand defrost for increased energy efficiency
- Capable to reduce noise during defrosting

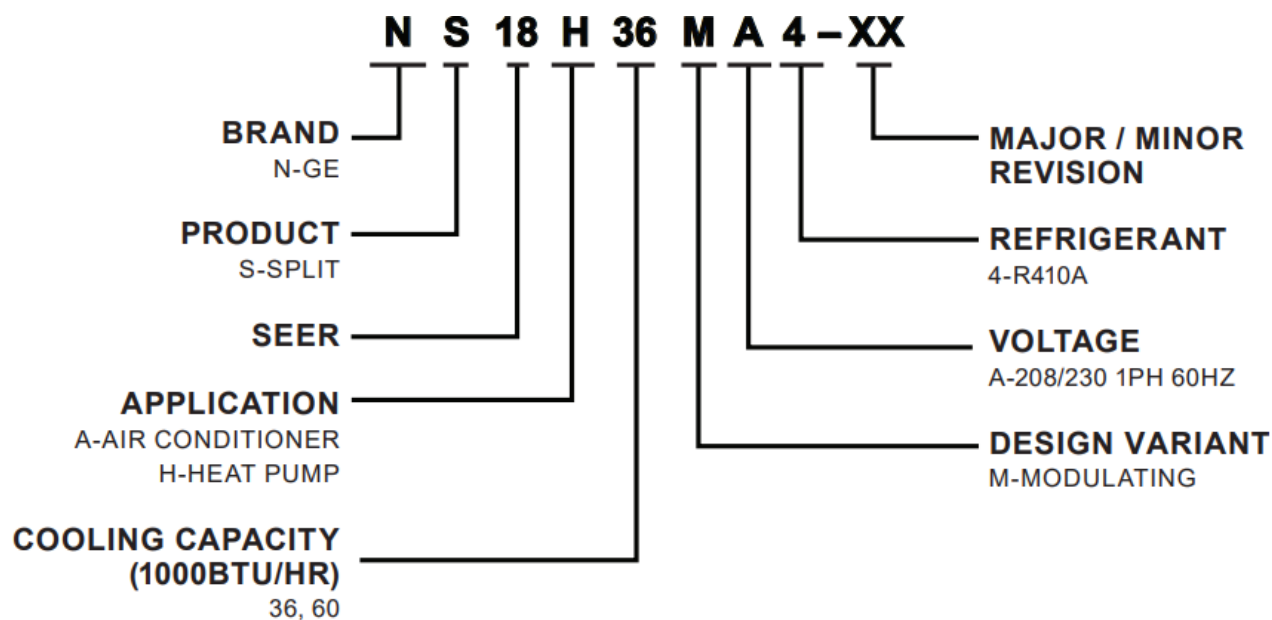
## WARRANTY

See warranty document for details.



## VARIABLE CAPACITY HEAT PUMP

## MODEL NUMBER GUIDE



## ELECTRICAL AND PHYSICAL DATA

Model	Voltage/Hz/Phase	Voltage Range	Min. Circuit Amp.	Max. Over Current Device (amps)	Compressor	Outdoor Fan Motor			Shipping Weight (lbs.)
					Input Amps	Full Load (amps)	Rated HP	Nom. RPM	
NS18H36MA4	208-230/60/1	197-253	21.9	35	15.3	2.8	1/3	VAR. SPD	215
NS18H60MA4	208-230/60/1	197-253	33.7	50	24.7	2.8	1/3	VAR. SPD	272

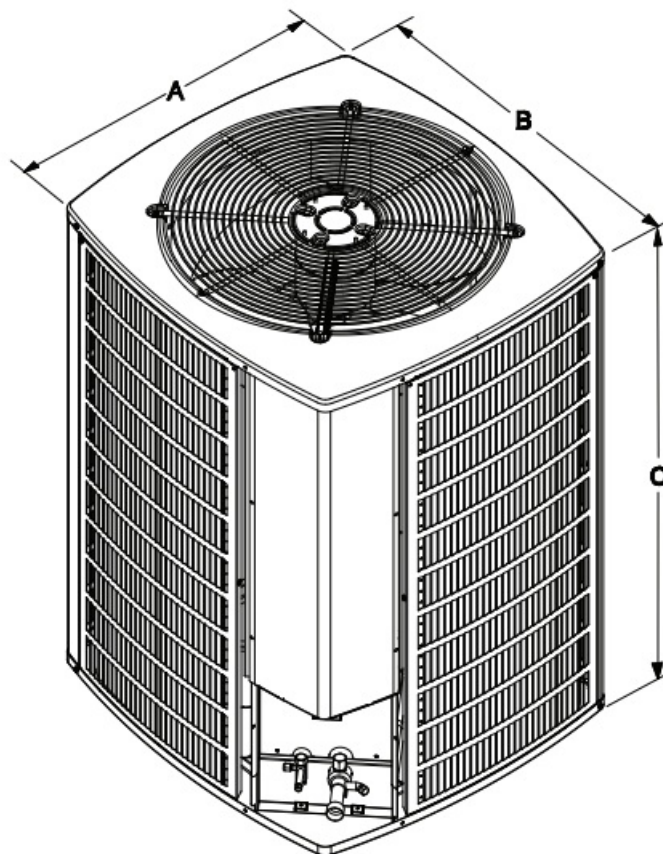
### Note:

- The weights listed are unit weights with packaging
- Factory charged for 15 feet of line set; adjust per installation instructions

## DIMENSIONS (IN.)

Model No.	Dimensions (inch)		
	A – Width	B – Depth	C – Height
NS18H36MA4	29.38	31.25	33.75
NS18H60MA4	29.38	31.25	43.75

- **Note:** Dimensions listed are unit sizes w/o packaging



- **NOTE:** Appearances may vary.

## SOUND RATINGS

Model	Sound Power <sup>1</sup>	Estimated Sound Pressure (dBA) <sup>2</sup>		
		Approximate Distance <sup>3</sup>		
		One Meter (3.3 feet)	Two Meters (6.6 feet)	Three Meters (9.8 feet)
NS18H36MA4 (2-TON MODE)	72	64	58	54
NS18H36MA4 (3-TON MODE)	74	66	60	56
NS18H60MA4 (4-TON MODE)	74	66	60	56
NS18H60MA4 (5-TON MODE)	79	71	65	61

1. Rated in accordance with AHRI standard 270 (2015)
2. Rated in accordance with AHRI standard 275 (2010)
3. Based only on the 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	Factory Refrig. Charge (oz.) *	TXV	Refrigerant Line Size		Outdoor Unit Connection		Indoor Unit Connection	
			Suction	Liquid	Suction	Liquid	Suction	Liquid
NS18H36MA4 (2 TON MODE)	138	H4TXV 01	3/4	3/8	3/4	3/8	3/4	3/8
NS18H36MA4 (3 TON MODE)	138	H4TXV 02	3/4	3/8	3/4	3/8	3/4	3/8
NS18H60MA4 (4 TON MODE)	186	H4TXV 02	7/8	3/8	7/8	3/8	7/8	3/8
NS18H60MA4 (5 TON MODE)	186	H4TXV 03	1-1/8	3/8	7/8	3/8	7/8	3/8

- Factory charged for 15 feet of line set; adjust per installation instructions
- The refrigerant charge also varies with indoor units; refer to the refrigerant charge label

## COOLING PERFORMANCE WITH DTC1

Outdoor Model	Indoor Model	Cooling				Heating				High CFM	Medium CFM	Low CFM	
	Evap. Coil or Air Handler3	SEER	HEER	AHRI	Sensible Capacity	HSPF	47°		17°				
				Rated Capacity2			Btuh	COP	Btuh				COP
NS18H36MA4	NAM36V	19.0	12.0	34400	27200	9.6	33400	3.30	21400	2.40	1200	820	820
NS18H60MA4	NAM60V	16.0	10.0	55500	40600	9.0	55500	2.82	37000	2.14	1800	1200	1200


**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	Purpose
Crankcase heater	All models	Factory installed	Prevents liquid migration to compressor in cold weather
Sound Blanket	All models	Factory installed	Lowers compressor sound level
Short Cycle Protector	All models	Control Board Feature	Protects compressor from short cycling.
Liquid Line Solenoid	All models	60M52	Prevents liquid migration to the compressor especially for high liquid riser applications
<b>Additional System Accessories (indoor section)</b>			
TXV Kit	NS18H36MA4 (2 Ton mode)	H4TXV01	TXVs provide superior refrigerant flow control, comfort and efficiency
	NS18H36MA4 (3 Ton mode) NS18H60MA4 (4 Ton mode)	H4TXV02	
	NS18H60MA4 (5 Ton mode)	H4TXV03	
Freezestat	3/8 tubing	93G35	Protects the compressor at low suction pressure conditions

**Toutes les spécifications et illustrations sont sujettes à modification sans préavis et sans obligation.  
Imprimé aux États-Unis**

## Documents / Resources

	<p><a href="#">GE APPLIANCES NS18HM Variable Speed High Efficiency Split Heat Pump System</a> [pdf]   Instruction Manual</p> <p>NS18HM Variable Speed High Efficiency Split Heat Pump System, NS18HM, Variable Speed High Efficiency Split Heat Pump System, Efficiency Split Heat Pump System, Split Heat Pump System, Heat Pump System, Pump System</p>
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