

TECHNICAL SPECIFICATIONS



NS18 SERIES HEAT PUMPS



FEATURES AND BENEFITS

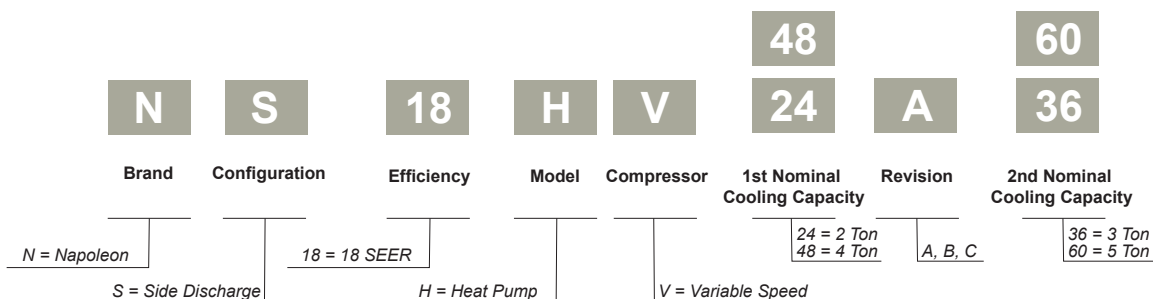
- Compatible with standard heat pump thermostats, smart thermostats or home automation systems.
- Hyper Heat DC Inverter Rotary Compressor rated to operate at -30°C (-22 °F) and approved for cold climate operations.
- Heat Pumps are side condensing with smaller foot print for narrow spaces.
- Variable inverter compressor and vapor injection technology can achieve 100% heating capacity at -20°C/-5°F and 100% cooling at 46°C /115°F.
- Widest operating range condition in the category.
- Can be installed either on the ground or on the wall to save more space.

ENVIRONMENTALLY RESPONSIBLE

The NS18 Heat Pump provides an efficient, cost-effective way to heat and cool your home up to 12 months of the year. When paired with a furnace, the combined unit will function as a hybrid heat system resulting in energy cost savings.

NOMENCLATURE

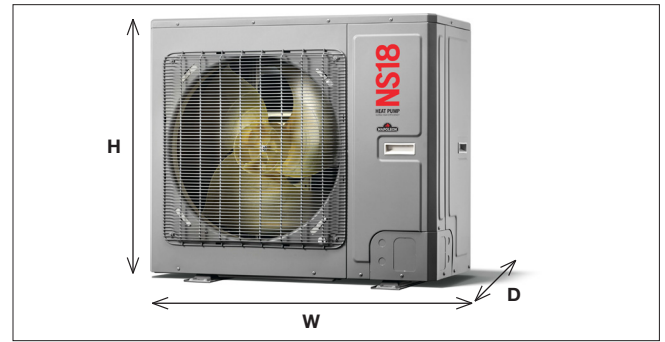
New NS Series Heat Pump Nomenclature



NS18 SPECIFICATIONS

DIMENSIONS

PART ID	TON	LINE SET DIAMETERS LIQUID (IN)	LINE SET DIAMETERS SUCTION (IN)	PRODUCT HEIGHT (IN)	PRODUCT WIDTH (IN)	PRODUCT DEPTH (IN)	PRODUCT NET WEIGHT (LBS)
NS18HV24A36	2T - 3T	3/8	3/4	32 1/4	37	18 1/8	217
NS18HV48A60	4T - 5T	3/8	3/4	53 3/4	39 3/8	14 1/2	309



SYSTEM DATA

INDOOR SKU		NPFX24A	NPFX24A36A	NPFX48A	NPFX48A60A
OUTDOOR SKU		NS18HV24A36	NS18HV24A36	NS18HV48A60	NS18HV48A60
AHRI NUMBER		207335552	207335553	207335554	207335555
COOLING CAPACITY	(BTU/h)	24000	36000	48000	54000
HEATING CAPACITY	(BTU/h)	24000	36000	48000	54000
POWER SUPPLY	V, Ph, Hz	208-230V,1Ph,50/60Hz	208-230V,1Ph,50/60Hz	208-230V,1Ph,50/60Hz	208-230V,1Ph,50/60Hz
SEER		20	18	18	17
EER		12.5	10	11.5	10.5
HSPF (REGION IV)		10.5	10	10.5	10
GAS PIPE	mm (inch)	19/(3/4)	19/(3/4)	19/(3/4)	19/(3/4)
LIQUID PIPE	mm (inch)	9.52/(3/8)	9.52/(3/8)	9.52/(3/8)	9.52/(3/8)
STANDARD PIPE LENGTH	m / ft	7.5/24.6	7.5/24.6	7.5/24.6	7.5/24.6
MAX REFRIGERANT PIPE LENGTH BETWEEN INDOOR AND OUTDOOR	m / ft	30/98.4	30/98.4	30/98.4	30/98.4
MAX VERTICAL HEIGHT DIFFERENCE BETWEEN INDOOR AND OUTDOOR	m / ft	15/49.2	15/49.2	15/49.2	15/49.2
CONNECTION METHOD		Flare nut (standard), Brazed (Optional)	Flare nut (standard), Brazed (Optional)	Flare nut (standard), Brazed (Optional)	Flare nut (standard), Brazed (Optional)
REFRIGERANT GAS		R410A	R410A	R410A	R410A

OUTDOOR UNIT DATA

OUTDOOR SKU		NS18HV24A36	NS18HV24A36	NS18HV48A60	NS18HV48A60
SOUND PRESSURE LEVEL	dB(A)	55	57	58	58
MINIMUM - MAXIMUM VOLTAGE	V	187-253	187-253	187-253	187-253
CONTROL VOLTAGE	V	24	24	24	24
RATED CURRENT COOLING	A	13	21	30	30
RATED CURRENT HEATING	A	17	25	31	31
MCA	A	24	24	35	35
MOP	A	35	35	45	45
EXTERNAL DIMENSIONS (H×W×D)	mm (inch)	820×940×460 (32-1/4×37×18-1/8)	820×940×460 (32-1/4×37×18-1/8)	1365×1000×370 (53-3/4×39-3/8×14-1/2)	1365×1000×370 (53-3/4×39-3/8×14-1/2)
NET WEIGHT	kg/ lbs	98.5/217.2	98.5/217.2	140/308.7	140/308.7
GROSS WEIGHT	kg/ lbs	109/240.3	109/240.3	153/337.4	153/337.4
OPERATION TEMPERATURE FOR COOLING	°C/°F	-15~54/(5~129.2)	-15~54/(5~129.2)	-15~54/(5~129.2)	-15~54/(5~129.2)
OPERATION TEMPERATURE FOR HEATING	°C/°F	-30~24/(-22~75.2)	-30~24/(-22~75.2)	-30~24/(-22~75.2)	-30~24/(-22~75.2)
OUTDOOR FAN TOTAL AIR VOLUME	m³/h/cfm	5100 / 3000	5900 / 3470	7990 / 4700	7990 / 4700
OUTDOOR FAN MOTOR FLA	A	1.5	1.5	1.5 X 2	1.5 X 2
COMPRESSOR RLA	A	16	16	13	13
REFRIGERANT CHARGE	kg/lbs	4.2/ 9.26	4.2/ 9.26	6.25/13.78	6.25/13.78

