

# TECHNICAL SPECIFICATIONS



## 18 SEER AIR HANDLERS

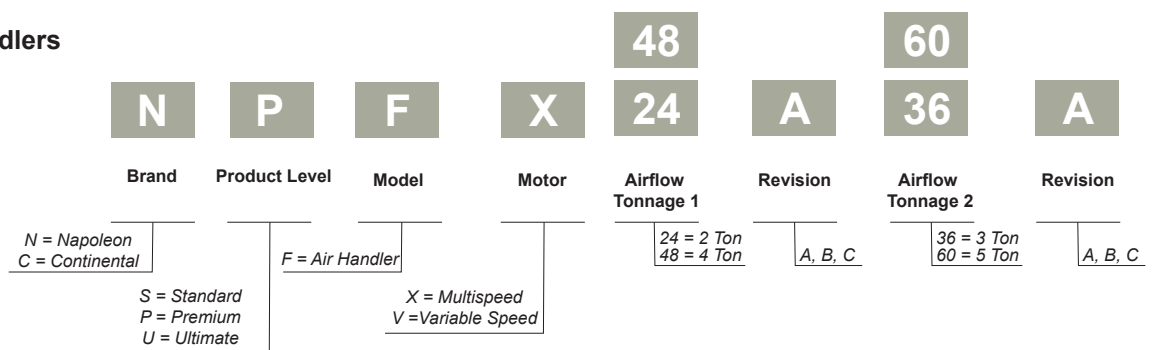


### FEATURES AND BENEFITS

- Multi-speed Constant Torque (CT) ECM blower motor
- Flex Fit installation options: horizontal left and right, vertical upflow and downflow
- All Aluminum A-Coil
- Dual front panel design for ease of maintenance - blower and coil easy slide out for ease of maintenance
- Fully-insulated cabinet design
- Integrated filter rack with tool-less door access

### NOMENCLATURE

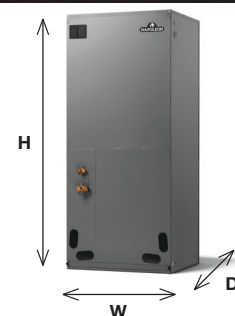
#### New 18 Seer Air Handlers Nomenclature



### DIMENSIONS

PART ID	WIDTH (IN)	HEIGHT (IN)	DEPTH (IN)	PLENUM OPENING LENGTH (IN)	PLENUM OPENING WIDTH (IN)	WEIGHT (LBS)
NPFX24A36A*	21 ¼	48 ¼	21 ¼	20	11 ⅞	157
NPFX48A60**	24 ¾	57	21 ¼	20	11 ⅞	203

\*NPFX24A36A when configured as 3 Ton and NPFX24A when configured as 2 Ton  
 \*\*NPFX48A60A when configured as 5 Ton and NPFX48A when configured as 4 Ton



# 18 SEER AIR HANDLERS SPECIFICATIONS

## 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

## AIR HANDLER UNIT DATA

MODEL NUMBER		NPFX24A36A	NPFX24A36A	NPFX48A60A	NPFX48A60A
AIR FLOW VOLUME	m <sup>3</sup> /h/cfm	1630/960	1700/1000	2350/1380	2720 /1600
ESP (RANGE)	ln.w.g/Pa	0.1/25(0/0~1/250)	0.15/37(0/0~1/250)	0.2/50(0/0~1/250)	0.2/50(0/0~1/250)
SOUND PRESSURE LEVEL	dB(A)	45	47	50	51
SUPPLEMENTAL ELECTRIC HEAT (OPTIONAL)	kW	5 kW/ 8 kW/ 10kW	5 kW/ 8 kW/ 10kW	10 kW/ 15 kW/ 20kW	10 kW/ 15 kW/ 20kW
DEHUMIDIFICATION	pt/hr	3.06	9.7	9.94	12.13
MINIMUM - MAXIMUM VOLTAGE	V	187-253	187-253	187-253	187-253
CONTROL VOLTAGE	V	24	24	24	24
RATED CURRENT COOLING	A	3	3	5	5
RATED CURRENT HEATING	A	3	3	5	5
MCA	A	4	4	8	8
MOP	A	15	15	15	15
MCA / WITH ELECTRIC HEATER	A	5kW:27/30(208/240V) 8kW:40/46(208/240V) 10kW:49/56(208/240V)	5kW:27/30(208/240V) 8kW:40/46(208/240V) 10kW:49/56(208/240V)	10kW:53/59(208/240V) 15kW:53+24/59+28(208/240V) 20kW:53+53/59+59(208/240V)	10kW:53/59(208/240V) 15kW:53+24/59+28(208/240V) 20kW:53+53/59+59(208/240V)
MOP / WITH ELECTRIC HEATER	A	5kW:30/30(208/240V) 8kW:45/50(208/240V) 10kW:60/60(208/240V)	5kW:30/30(208/240V) 8kW:45/50(208/240V) 10kW:60/60(208/240V)	10kW:60/60(208/240V) 15kW:60+30/60+30(208/240V) 20kW:53+53/59+59(208/240V)	10kW:60/60(208/240V) 15kW:60+30/60+30(208/240V) 20kW:60+60/60+60(208/240V)
EXTERNAL DIMENSIONS (HxWxD)	mm (inch)	1224x540x540 (48-1/4x21-1/4x21-1/4)	1224x540x540 (48-1/4x21-1/4x21-1/4)	1448x630x540 57x24-3/4x21-1/4)	1448x630x540 (57x24-3/4x21-1/4)
NET WEIGHT	kg/ lbs	71.0/156.5	71.0/156.5	92/203	92/203
GROSS WEIGHT	kg/ lbs	77.0/169.8	77.0/169.8	99/218	99/218
OPERATION TEMPERATURE FOR COOLING	°C / °F	18~27/(64.4~80.6)	18~27/(64.4~80.6)	18~27/(64.4~80.6) 20kW:60+60/60+60(208/240V)	18~27/(64.4~80.6)
OPERATION TEMPERATURE FOR HEATING	°C / °F	20~27/(68.0~80.6)	20~27/(68.0~80.6)	20~27/(68.0~80.6)	20~27/(68.0~80.6)
INDOOR FAN MOTOR FULL LOAD AMPS	A	3	3	5	5
INDOOR FAN MOTOR RATED HP	HP	1/2	1/2	1	1
STRONG HEATING AT LOW AMBIENT		100% Heating Capacity down to -5°F (-20°C)	100% Heating Capacity down to 19.4°F (-7°C)	100% Heating Capacity down to 14°F (-10°C)	100% Heating Capacity down to 23°F (-5°C)
STRONG COOLING AT HIGH AMBIENT		100% Cooling Capacity up to 115°F (46°C)	100% Cooling Capacity up to 104°F (40°C)	100% Cooling Capacity up to 109.4°F (43°C)	100% Cooling Capacity up to 104°F (40°C)

