

# TECHNICAL SPECIFICATIONS



## PREMIUM AIR HANDLERS

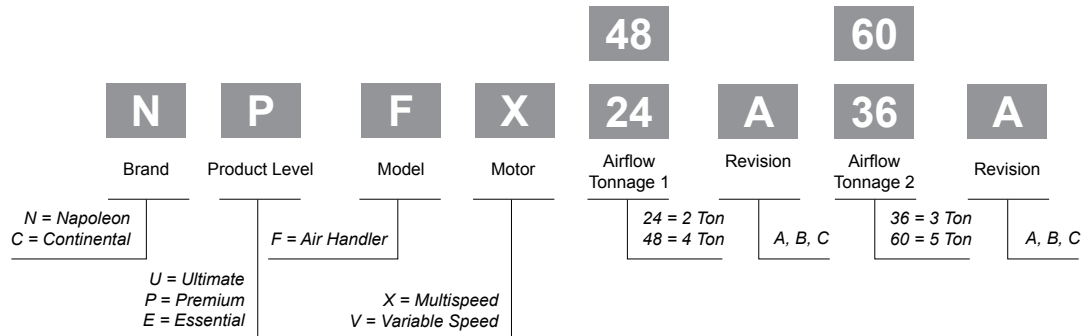


### FEATURES AND BENEFITS

- Multi-speed Constant Torque (CT) ECM blower motor
- Flex Fit installation options: horizontal left, right, and vertical up flow
- 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

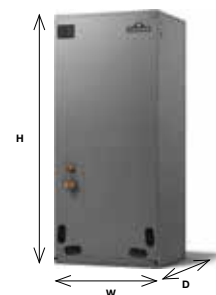
### NOMENCLATURE

#### AIR HANDLER NOMENCLATURE



### PREMIUM AIR HANDLERS SPECIFICATIONS

PART ID	DIMENSIONS					
	WIDTH (IN)	HEIGHT (IN)	DEPTH (IN)	PLENUM OPENING LENGTH (IN)	PLENUM OPENING WIDTH (IN)	WEIGHT (LBS)
NPFX24A36A*	21 1/4	48 1/4	21 1/4	20	11 1/8	157
NPFX48A60**	24 3/4	57	21 1/4	20	11 1/8	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

**SYSTEM DATA**

INDOOR SKU		NPFX24A	NPFX24A36A	NPFX48A	NPFX48A60A
OUTDOOR SKU		WSEHV2436RA1-N	WSEHV2436RA1-N	WSEHV4860RA1-N	WSEHV4860RA1-N
AHRI NUMBER		211624973	602249117	206249119	206249118
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
SEER2		17	16	17	15.8
EER2		12	10	11	10
HSPF2 (REGION IV)		9	9	9	9
HSPF2 (REGION V)		7	7	7	7
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		NPFX24A	NPFX24A36A	NPFX48A	NPFX48A60A
AIR FLOW VOLUME	m³/h/cfm	1630/960	1700/1000	2350/1380	2720 /1600
ESP (RANGE)	In.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 / 15kW	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) 15kW:53+24/59+28(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:40/50(208/240V) 10kW:50/60(208/240V)	5kW:30/30(208/240V) 8kW:40/50(208/240V) 10kW:50/60(208/240V) 15kW:60+25/60+30(208/240V)	10kW:60/60(208/240V) 15kW:60+25/60+30(208/240V) 20kW:60+60/60+60(208/240V)	10kW:60/60(208/240V) 15kW:60+25/60+30(208/240V) 20kW:60+60/60+60(208/240V)
EXTERNAL DIMENSIONS (H×W×D)	mm (inch)	1224×540×540 (48-1/4×21-1/4×21-1/4)	1224×540×540 (48-1/4×21-1/4×21-1/4)	1448×630×540 57×24-3/4×21-1/4)	1448×630×540 (57×24-3/4×21-1/4)
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 HIGHw 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)

