

TECHNICAL SPECIFICATIONS



PREMIUM AIR HANDLERS

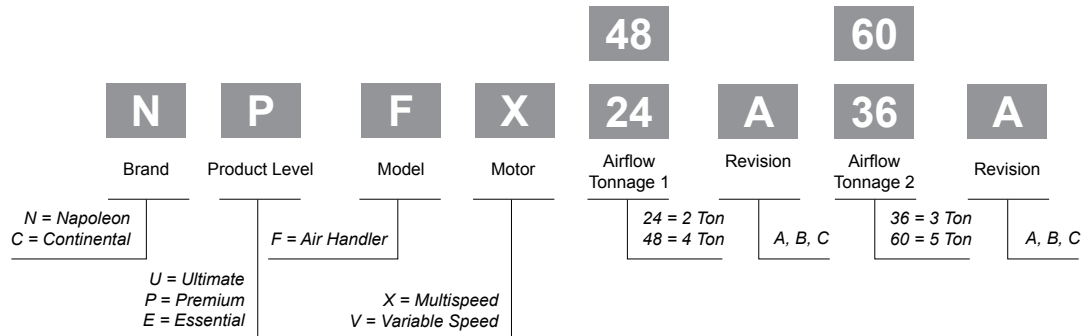


FEATURES AND BENEFITS

- 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

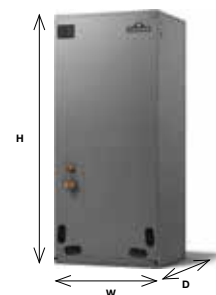
NOMENCLATURE

AIR HANDLER NOMENCLATURE



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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		NPFX24A36A	NPFX24A36A	NPFX48A60A	NPFX48A60A
AIR FLOW VOLUME	m³/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 / 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:59+28/53+24(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) 15kW:60+30/60+25(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 (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)

