TECHNICAL SPECIFICATIONS

PREMIUM MULTI-ZONE MINI SPLIT HEAT PUMP SERIES



10 YEAR LIMITED WARRANTY
PARTS AND COMPRESSOR

R454B

ENERGY STAR

FEATURES

- **Very High Efficiency Rating**
  Exceptional energy performance, minimizing energy consumption and lowering costs.
- **Available Capacities**
  Choose from 18,000, 27,000, 36,000 or 48,000 BTU/h for powerful heating and cooling solutions.
- **Energy Star & NEEP Certified**
  Recognized for energy efficiency, potentially qualifying for rebates, and supporting sustainability. Eligibility for local rebate programs offers additional cost savings—check local Qualified Product Lists for details.
- **Refrigerant Detection Shut Off**
  All indoor unit types include leak detection sensor. All multi zone outdoor unit include shut off valve should a leak be detected.
- **User-Friendly Remote Control**
  Easily adjust Sleep Mode, LED light settings, room temperature, and power on/off for tailored comfort of each indoor unit.
- **Increased number of indoor units per model (3,4, 5 or 6 units)**
  Provides greater flexibility for installations, accommodating various home or business layouts.
- **Enlarged operational space and improved diagnostic board**
  Simplifies installation and servicing, saving time for technicians and reducing maintenance costs.

ENVIRONMENTALLY RESPONSIBLE

Napoleon uses R-454B refrigerant, which offers improved energy efficiency and reduces greenhouse gas (GHG) emissions. This refrigerant has a significantly lower Global Warming Potential (GWP), no ozone depletion potential (ODP), and low toxicity. R-454B's GWP is over 75% lower than its predecessor, R-410A, and it exceeds EPA requirements for low-GWP refrigerants (<700 GWP).

NOMENCLATURE



N	D	H	A	M	B	B	-	27	-	O
Brand	Configuration	Type (Heat Pump/or Cool Only)	Sales Channel	Single/ Multi	Refrigerant	Revision		Capacity in 000 BTU/h		Indoor/ Outdoor
N = Napoleon	*Ductless*	*Heat Pump*	*Distribution*	*Multi*	*B= R454B*	*A = Without Shut Off Valve B = With Shut Off Valve*		*18 or 27 or 36 or 48*		*O = Outdoor*

MINI SPLIT SPECIFICATIONS

OUTDOOR DIMENSIONS				
OUTDOOR UNIT INFORMATION	NDHAMBB-18-0	NDHAMBB-27-0	NDHAMBB-36-0	NDHAMBB-48-0
Width (mm/in)	946/37.24	946/37.24	980/38.58	952/37.48
Depth (mm/in)	410/16.14	410/16.14	415/16.34	415/16.34
Height (mm/in)	810/31.89	810/31.89	975/38.35	1333/52.48
Net weight (lb/kg)	137.35/62.3	168.43/76.4	211.86/96.1	246.47/111.8
Gross weight (lb/kg)	148.15/67.2	179.67/81.5	244.71/111	276.68/125.5

INDOOR DIMENSIONS					
HIGH WALL					
	NDHAS26BB-06-I	NDHAS26BB-09-I	NDHAS26BB-12-I	NDHAS26BB-18-I	NDHAS26BB-24-I
WIDTH (MM/IN)	848.4/33.4	848.4/33.4	848.4/33.4	1017.4/40.06	1190/46.85
DEPTH (MM/IN)	233.2/9.18	233.2/9.18	233.2/9.18	248/9.72	285/11.2
HEIGHT (MM/IN)	300/11.76	300/11.76	300/11.76	319/12.6	371/14.59
NET WEIGHT (LB/KG)	22.93/10.4	23.37/10.6	22.93/10.4	27.34/12.4	43.65/19.8
GROSS WEIGHT (LB/KG)	29.32/13.3	29.98/13.6	29.32/13.3	36.6/16.6	55.56/25.2
HIGH WALL					
		NDHAS22BB-09-I	NDHAS22BB-12-I	NDHAS22BB-18-I	NDHAS22BB-24-I
WIDTH (MM/IN)		802/31.57	802/31.57	1082/42.6	1082/42.6
DEPTH (MM/IN)		200/7.87	200/7.87	234/9.21	234/9.21
HEIGHT (MM/IN)		295/11.61	295/11.61	337/13.27	337/13.27
NET WEIGHT (LB/KG)		18.96/8.6	18.96/8.6	30.42/13.8	30.86/14
GROSS WEIGHT (LB/KG)		24.25/11	24.25/11	39.68/18	40.56/18.4
HIGH STATIC SLIM DUCT					
		NDHASHDBB-09	NDHASHDBB-12	NDHASHDBB-18	NDHASHDBB-24
WIDTH (MM/IN)		700.0/27.56	700.0/27.56	1000.0/39.37	1000.0/39.37
DEPTH (MM/IN)		750.0/29.53	750.0/29.53	750.0/29.53	750.0/29.53
HEIGHT (MM/IN)		245.0/9.65	245.0/9.65	245.0/9.65	245.0/9.65
NET WEIGHT (LB/KG)		64.15/29.1	64.15/29.1	79.81/36.2	80.47/36.5
GROSS WEIGHT (LB/KG)		73.85/33.5	73.85/33.5	91.27/41.4	91.93/41.7
FLOOR CONSOLE					
		NDHASCBB-09	NDHASCBB-12	NDHASCBB-18	
WIDTH (MM/IN)		794/31.26	794/31.26	794/31.26	
DEPTH (MM/IN)		200/7.87	200/7.87	200/7.87	
HEIGHT (MM/IN)		621/24.45	621/24.45	621/24.45	
NET WEIGHT (LB/KG)		32.85/14.9	32.85/14.9	32.85/14.9	
GROSS WEIGHT (LB/KG)		41.89/19	41.89/19	41.89/19	
4 WAY CASSETTE					
			NDHAS4CBB-12	NDHAS4CBB-18	
WIDTH (MM/IN)			570/22.44	570/22.44	
DEPTH (MM/IN)			570/22.44	570/22.44	
HEIGHT (MM/IN)			245/9.65	245/9.65	
NET WEIGHT (LB/KG)			35.27/16	35.27/16	
GROSS WEIGHT (LB/KG)			41.89/19	41.89/19	
4 WAY CASSETTE PANEL					
			ND4CPA9-18		
WIDTH (MM/IN)			50/2		
DEPTH (MM/IN)			620/24.38		
HEIGHT (MM/IN)			620/24.38		
NET WEIGHT (LB/KG)			5.73/2.6		
GROSS WEIGHT (LB/KG)			9.26/4.2		

SYSTEM DATA

SYSTEM DATA				
	NDHAMBB-18-0	NDHAMBB-27-0	NDHAMBB-36-0	NDHAMBB-48-0
Cooling Capacity (BTU/h)	19,000	27,000	36,000	47,000
Heating Capacity (BTU/h)	20,000	27,000	36,000	49,000
Maximum Indoor Head connectivity	3	4	5	6
AHRI # Non-Ducted Indoor Units	215931373	215931374	215931375	217361788
AHRI # Ducted Indoor Units	217361782	217361784	217361786	217361789
AHRI # Mixed Ducted and Non-Ducted Indoor Units	217361783	217361785	217361787	217361790
Power supply	208/230V,1Ph/60Hz	208/230V,1Ph/60Hz	208/230V,1Ph/60Hz	208/230V,1Ph/60Hz
Min. Circuit ampacity	17.5	30	37	43
Max.Fuse	20	35	40	45
Connection Wiring	14AWG*4 Stranded, unshielded	14AWG*4 Stranded, unshielded	14AWG*4 Stranded, unshielded	14AWG*4 Stranded, unshielded
Refrigerant type	R454B	R454B	R454B	R454B
Compressor	Rotary	Rotary	Twin Rotary	Twin Rotary
Refrigerant charge(oz/kg)	78.31/2.22	120.63/3.42	134.04/3.8	151.68/4.3
Refrigerant pre-charge (ft/m)	24.6(7.5)x3	24.6(7.5)x4	24.6(7.5)x5	24.6(7.5)x6
Refrigerant charge unit	ozs	ozs	ozs	ozs
Additional refrigerant 1/4" Liquid pipe (g/m/oz/ft)	15/0.16	15/0.16	15/0.16	15/0.16
Additional refrigerant 3/8" Liquid pipe (g/m/oz/ft)	30/0.32	30/0.32	30/0.32	30/0.32
Outdoor air flow (Hi) CFM	2130.7	2148.4	3037.2	4502.8
Outdoor noise level dBA	61.5	61	65	65
Gas Pipe Connections (mm/in)	3x9.52mm(3/8")	3x9.52mm(3/8")+1x12.7mm(1/2")	3x9.52mm(3/8")+2x12.7mm(1/2")	4x9.52mm(3/8")+2x12.7mm(1/2")
Gas Connectors included (mm/in)	2 x 9.52mm(3/8") --> 12.7mm (1/2")	1 x 12.7mm(1/2") --> 15.9mm(5/8") 1 x 9.52mm(3/8") --> 12.7mm(1/2") 1 x 12.7mm(1/2") --> 9.25mm(3/8")	2 x 12.7mm(1/2") --> 15.9mm(5/8") 1 x 9.52mm(3/8") --> 12.7mm(1/2") 2 x 12.7mm(1/2") --> 9.25mm(3/8")	2x 12.7mm(1/2") --> 15.9mm(5/8") 1 x 9.52mm(3/8") --> 12.7mm(1/2") 2x 12.7mm(1/2") --> 9.25mm(3/8")
Liquid Pipe Connections (mm/in)	3x6.35mm(1/4")	4x6.35mm(1/4in)	5x6.35mm(1/4in)	6x6.35mm(1/4in)
Liquid Connectors Included (mm/in)	N/A	1 x 6.35mm(1/4") --> 9.52mm(3/8")	2 x 6.35mm(1/4") --> 9.52mm(3/8")	2 x 6.35mm(1/4") --> 9.52mm(3/8")
Max. pipe length for all rooms (ft/m)	196.8/60	262.4/80	262.4/80	262.4/80
Max. pipe length for one indoor unit (ft/m)	98.4/30	114.8/35	114.8/35	114.8/35
Max height difference between indoor & outdoor unit (ft/m)	49.2/15	49.2/15	49.2/15	49.2/15
Operating Range	-30ºC (-22ºF) to 50ºC (122ºF)	-30ºC (-22ºF) to 50ºC (122ºF)	-30ºC (-22ºF) to 50ºC (122ºF)	-30ºC (-22ºF) to 50ºC (122ºF)

COMPATIBILITY

Multi Zone Outdoor Unit		Available Indoor	One Unit	Two Units	Three Units	Four Units	Five Units	Six Units
Hyper 1 drive 3	NDHAMBB-18-O	High Wall: 6K/9K/12K/18K/24K Cassette/Duct/Console: 9K/12K/18K/24K	18	6+6	6+6+6			
			24	6+9	6+6+9			
				6+12	6+6+12			
				6+18	6+6+18			
				6+24	6+6+24			
				9+9	6+9+9			
				9+12	6+9+12			
				9+18	6+9+18			
				9+24	6+12+12			
				12+12	6+12+18			
				12+18	9+9+9			
				12+24	9+9+12			
				18+18	9+9+18			
					9+12+12			
					12+12+12			

Hyper 1 drive 4	NDHAMBB-27-O	High Wall: 6K/9K/12K/18K/24K Cassette/Duct/Console: 9K/12K/18K/24K	24	6+18	6+6+6	6+6+6+6		
				6+24	6+6+9	6+6+6+9		
				9+9	6+6+12	6+6+6+12		
				9+12	6+6+18	6+6+6+18		
				9+18	6+6+24	6+6+6+24		
				9+24	6+9+9	6+6+9+9		
				12+12	6+9+12	6+6+9+12		
				12+18	6+9+18	6+6+9+18		
				12+24	6+9+24	6+6+9+24		
				18+18	6+12+12	6+6+12+12		
					6+12+18	6+6+12+18		
					6+12+24	6+6+12+24		
					6+18+18	6+6+18+18		
					6+18+24	6+9+9+9		
					9+9+9	6+9+9+12		
					9+9+12	6+9+9+18		
					9+9+18	6+9+9+24		
					9+9+24	6+9+12+12		
					9+12+12	6+9+12+18		
					9+12+18	6+12+12+12		
					9+12+24	6+12+12+18		
					9+18+18	9+9+9+9		
					12+12+12	9+9+9+12		
					12+12+18	9+9+9+18		
					12+12+24	9+9+12+12		
					12+18+18	9+9+12+18		
						9+12+12+12		
						12+12+12+12		

COMPATIBILITY

Multi Zone Outdoor Unit		Available Indoor	Optional Combinations					
			One Unit	Two Units	Three Units	Four Units	Five Units	Six Units
Hyper 1 drive 5	NDHAMBB-36-0	High Wall: 6K/9K/12K/18K/24K/33K Cassette/Duct/Console: 9K/12K/18K/24K	33	6+24	6+6+12	6+6+6+6	6+6+6+6+6	
				6+33	6+6+18	6+6+6+9	6+6+6+6+9	
				9+18	6+6+24	6+6+6+12	6+6+6+6+12	
				9+24	6+6+33	6+6+6+18	6+6+6+6+18	
				9+33	6+9+9	6+6+6+24	6+6+6+9+9	
				12+12	6+9+12	6+6+9+9	6+6+6+9+12	
				12+18	6+9+18	6+6+9+12	6+6+6+9+18	
				12+24	6+9+24	6+6+9+18	6+6+6+12+12	
				12+33	6+12+12	6+6+9+24	6+6+6+12+18	
				18+18	6+12+18	6+6+12+12	6+6+9+9+9	
				18+24	6+12+24	6+6+12+18	6+6+9+9+12	
				24+24	6+18+18	6+6+12+24	6+6+9+9+18	
					6+18+24	6+6+18+18	6+6+9+12+12	
					9+9+9	6+6+18+24	6+6+12+12+12	
					9+9+12	6+9+9+9	6+9+9+9+9	
					9+9+18	6+9+9+12	6+9+9+9+12	
					9+9+24	6+9+9+18	6+9+9+12+12	
					9+12+12	6+9+9+24	9+9+9+9+9	
					9+12+18	6+9+12+12	9+9+9+9+12	
					9+12+24	6+9+12+18		
					9+18+18	6+9+12+24		
					9+18+24	6+9+18+18		
					12+12+12	6+9+18+24		
					12+12+18	6+12+12+12		
					12+12+24	6+12+12+18		
					12+18+18	6+12+12+24		
					12+18+24	6+12+18+18		
					18+18+18	6+12+18+24		
						6+18+18+18		
						9+9+9+9		
						9+9+9+12		
						9+9+9+18		
						9+9+9+24		
						9+9+12+12		
						9+9+12+18		
						9+9+12+24		
						9+9+18+18		
						9+9+18+24		
						9+12+12+12		
						9+12+12+18		
						9+12+12+24		
						9+12+18+18		
						9+18+18+18		
						12+12+12+12		
						12+12+12+18		
						12+12+12+24		
						12+12+18+18		

COMPATIBILITY

Multi Zone Outdoor Unit		Available Indoor	Optional Combinations					
			One Unit	Two Units	Three Units	Four Units	Five Units	Six Units
Hyper 1 drive 6	NDHAMBB-48-0	High Wall: 6K/9K/12K/18K/24K/33K Cassette/Duct/Console: 9K/12K/18K/24K	33	6+24	6+6+18	6+6+6+6	6+6+6+6+6	6+6+6+6+6+6
				6+33	6+6+24	6+6+6+9	6+6+6+6+9	6+6+6+6+6+9
				9+18	6+6+33	6+6+6+12	6+6+6+6+12	6+6+6+6+6+12
				9+24	6+9+9	6+6+6+18	6+6+6+6+18	6+6+6+6+6+18
				9+33	6+9+12	6+6+6+24	6+6+6+6+24	6+6+6+6+6+24
				12+12	6+9+18	6+6+9+9	6+6+6+9+9	6+6+6+6+9+9
				12+18	6+9+24	6+6+9+12	6+6+6+9+12	6+6+6+6+9+12
				12+24	6+9+33	6+6+9+18	6+6+6+9+18	6+6+6+6+9+18
				12+33	6+12+12	6+6+9+24	6+6+6+9+24	6+6+6+6+9+24
				18+18	6+12+18	6+6+12+12	6+6+6+12+12	6+6+6+6+12+12
				18+24	6+12+24	6+6+12+18	6+6+6+12+18	6+6+6+6+12+18
				18+33	6+12+33	6+6+12+24	6+6+6+12+24	6+6+6+6+12+24
				24+24	6+18+18	6+6+18+18	6+6+6+18+18	6+6+6+9+9+9
				24+33	6+18+24	6+6+18+24	6+6+6+18+24	6+6+6+9+9+12
					6+18+33	6+9+9+9	6+6+9+9+9	6+6+6+9+9+18
					9+9+9	6+9+9+12	6+6+9+9+12	6+6+6+9+9+24
					9+9+12	6+9+9+18	6+6+9+9+18	6+6+6+9+12+12
					9+9+18	6+9+9+24	6+6+9+9+24	6+6+6+9+12+18
					9+9+24	6+9+12+12	6+6+9+12+12	6+6+6+9+12+24
					9+9+33	6+9+12+18	6+6+9+12+18	6+6+6+12+12+12
					9+12+12	6+9+12+24	6+6+9+12+24	6+6+6+12+12+18
					9+12+18	6+9+18+18	6+6+9+18+18	6+6+6+12+12+24
					9+12+24	6+9+18+24	6+6+9+18+24	6+6+9+9+9+9
					9+12+33	6+12+12+12	6+6+12+12+12	6+6+9+9+9+12
					9+18+18	6+12+12+18	6+6+12+12+18	6+6+9+9+9+18
					9+18+24	6+12+12+24	6+6+12+12+24	6+6+9+9+9+24
					9+18+33	6+12+18+18	6+6+12+18+18	6+6+9+9+12+12
					12+12+12	6+12+18+24	6+6+12+18+24	6+6+9+9+12+18
					12+12+18	6+18+18+18	6+6+18+18+18	6+6+9+9+12+24
					12+12+24	6+18+18+24	6+6+18+18+24	6+6+9+12+12+12
					12+12+33	9+9+9+9	6+9+9+9+9	6+6+9+12+12+18
					12+18+18	9+9+9+12	6+9+9+9+12	6+6+9+12+12+24
					12+18+24	9+9+9+18	6+9+9+9+18	6+6+12+12+12+12
					12+18+33	9+9+9+24	6+9+9+9+24	6+6+12+12+12+18
					18+18+18	9+9+12+12	6+9+9+12+12	6+6+12+12+12+24
						9+9+12+18	6+9+9+12+18	6+9+9+9+9+9
						9+9+12+24	6+9+9+12+24	6+9+9+9+9+12
						9+9+18+18	6+9+9+18+18	6+9+9+9+9+18
						9+9+18+24	6+9+9+18+24	6+9+9+9+9+24
						9+12+12+12	6+9+12+12+12	6+9+9+9+12+12
						9+12+12+18	6+9+12+12+18	6+9+9+9+12+18
						9+12+12+24	6+9+12+12+24	6+9+9+9+12+24
						9+12+18+18	6+9+12+18+18	6+9+9+12+12+12
						9+12+18+24	6+9+12+18+24	6+9+9+12+12+18
						9+18+18+18	6+9+18+18+18	6+9+9+12+12+24
						12+12+12+12	6+12+12+12+12	6+9+12+12+12+12
						12+12+12+18	6+12+12+12+18	6+9+12+12+12+18

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COMPATIBILITY

Multi Zone Outdoor Unit		Available Indoor	Optional Combinations					
			One Unit	Two Units	Three Units	Four Units	Five Units	Six Units
Hyper 1 drive 6	NDHAMBB-48-0	High Wall: 6K/9K/12K/18K/24K/33K Cassette/Duct/Console: 9K/12K/18K/24K				12+12+12+24	6+12+12+12+24	6+12+12+12+12+12
						12+12+18+18	6+12+12+18+18	6+12+12+12+12+18
						12+12+18+24	6+12+18+18+18	9+9+9+9+9+9
						12+18+18+18	9+9+9+9+9	9+9+9+9+9+12
							9+9+9+9+12	9+9+9+9+9+18
							9+9+9+9+18	9+9+9+9+9+24
							9+9+9+9+24	9+9+9+9+12+12
							9+9+9+12+12	9+9+9+9+12+18
							9+9+9+12+18	9+9+9+9+12+24
							9+9+9+12+24	9+9+9+12+12+12
							9+9+9+18+18	9+9+9+12+12+18
							9+9+9+18+24	9+9+12+12+12+12
							9+9+12+12+12	9+9+12+12+12+18
							9+9+12+12+18	9+12+12+12+12+12
							9+9+12+12+24	12+12+12+12+12+12
							9+9+12+18+18	
							9+9+12+18+24	
							9+9+18+18+18	
							9+12+12+12+12	
							9+12+12+12+18	
							9+12+12+12+24	
							9+12+12+18+18	
							12+12+12+12+12	
							12+12+12+12+18	
							12+12+12+12+24	
							12+12+12+18+18	