TECHNICAL SPECIFICATIONS

PREMIUM FLOOR CONSOLE SERIES

10 YEAR LIMITED WARRANTY PARTS AND COMPRESSOR

R454B

ENERGY STAR



FEATURES

- **High Efficiency Rating**
  Delivers exceptional energy savings and performance, reducing utility costs.
- **Available Capacities**
  Choose from 12,000 BTU/h or 18,000 BTU/h, options to suit different room sizes.
- **Wide Operating Range**
  Performs efficiently in extreme temperatures, from -25ºC (-13ºF) to50ºC (122ºF)
- **Multi-Zone Compatibility**
  Easily integrates with multi-zone outdoor units to provide customized comfort across multiple rooms.
- **Wireless Remote**
  Included for temperature setting, choose mode of Auto, Cool, Dry, Heat, Fan. Control fan speed and dehumidification.
- **Energy Star & NEEP Certified**
  Recognized for superior energy efficiency, qualifying for potential rebates and contributing to a greener environment. Eligibility for local rebateprograms offers additional cost savings—check local Qualified Product Lists for details.
- **Auto Restart & Follow Me**
  Restores settings after a power outage and adjusts comfort based on the remote's location for targeted temperature control.
- **Elegant, Compact Design**
  Blends seamlessly into any space with large dual airflow louvers for consistent comfort in most rooms.
- **Flexible Installation**
  Mount on the wall or place on the floor to suit your space and preferences.

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

PREMIUM FLOOR CONSOLE SERIES



N	D	H / C	A	S	C	B	B	-	12
Brand	Product Category	Product Type	Sales Channel	Single/Multi	Indoor Unit OR Efficiency	Refrigerant	Revision		Capacity in 000 BTU/h
N = Napoleon	*Ductless Mini-Split*	*H = Heat Pump C = Cool Only*	*Distribution*	*Single*	*C = Console 4C = Four Way Cassette HD = High Static Duct*	*B= R454B*	*A = Without Leak Sensor B = With Leak Sensor*		*12 or 18*

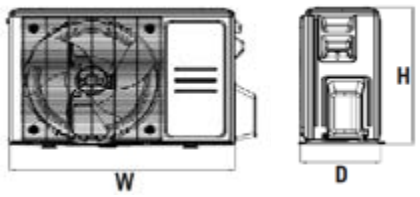
SPECIFICATIONS

DIMENSIONS		
INDOOR UNIT	NDHASCBB-12	NDHASCBB-18
Width (mm/in)	794/31.26	794/31.26
Depth (mm/in)	200/7.87	200/7.87
Height (mm/in)	621/24.45	621/24.45
Net weight (lb/kg)	32.85/14.9	32.85/14.9
Gross weight (lb/kg)	41.89/19	41.89/19
OUTDOOR UNIT	NDHAS22BA-12-0	NDHAS22BA-18-0
Width (mm/in)	765/30.12	890/35.04
Depth (mm/in)	303/11.93	342/13.46
Height (mm/in)	555/21.85	673/26.5
Net weight (lb/kg)	62.17/28.2	92.59/42
Gross weight (lb/kg)	67.68/30.7	100.31/45.5

Indoor Unit



Outdoor Unit



SYSTEM DATA		
INDOOR SKU	NDHASCBB-12	NDHASCBB-18
OUTDOOR SKU	NDHAS22BA-12-0	NDHAS22BA-18-0
AHRI NUMBER	217605557	217605556
Cooling Capacity Rated BTU (Range)	4000~13100	4700~18000
Heating Capacity Rated BTU (Range)	5100~12900	7300~22900
SEER2	24.6	23.8
HSPF2 (REGION IV)	11.0	13.5
EER2	12.7	12.5
HSPF2 (REGION V)	8.2	9.4
Dehumidify (L/h)	1.728	2.9565
Voltage	208/230V,1Ph,60Hz	208/230V,1Ph,60Hz
Indoor noise level (Hi/Mi/Lo) dBA	39/34.5/29.5	41.5/39.0/28.5
Outdoor noise level dBA	54.5	57.0
Compressor & Parts Limited Warranty	10 years	10 years
Max. refrigerant pipe length (m)	25	30
Max. refrigerant pipe length (ft)	82.00	98.40
Max. difference in elevation (m)	15	20
Max. difference in elevation (ft)	49.20	65.60
Refrigeration GAS PIPE (mm/inch)	9.52mm(3/8in)	12.7mm(1/2in)
Refrigeration LIQUID PIPE (mm/in)	6.35mm(1/4in)	6.35mm(1/4in)
Heating at 17ºF (-8.33ºC) BTU	9600	14600
Heating at 5ºF (-15ºC) BTU	8900	13100
Heating at 5ºF (-15ºC) COP	2.51	2.16
Connection Wiring	14AWG*4 Stranded, unshielded	14AWG*4 Stranded, unshielded
Refridgerant Gas (oz/kg)	R454B 32.45/0.92	R454B 47.97/1.36
Additional charge per metre (oz/ft)/(g/m)	0.16/15	0.16/15
Compressor	Rotary	Rotary
MAX FUSE (A)	15	20
Minimum Circuit Capacity	12	18
Rated Cooling Current (A)	4.2	5.8
Rated Heating Current (A)	4.0	6.7
Indoor air flow (Hi/Mi/Lo) CFM	376.7 / 323.7 / 188.4	441.4 / 382.6 / 323.7
Outdoor air flow CFM	1236.1	1765.8
Indoor Temperature Cooling Range ºC/ºF	16~32/60~90	16~32/60~90
Indoor Temperature Heating Range ºC/ºF	0~30/32~86	0~30/32~86
Outdoor Temperature Cooling Range ºC/ºF	-25~50/-13~122	-25~50/-13~122
Outdoor Temperature Heating Range ºC/ºF	-25~24/-13~75	-25~24/-13~75

PERFORMANCE DATA – COOLING

DB – Dry Bulb WB – Wet Bulb TC:Total Cooling Capacity (BTU/hr) S/T:Sensible Cooling Capacity Ratio PI:Power Input(kW) Input – Total Power (kW)

	COOLING		INDOOR CONDITIONS																			
	OUTDOOR DB(°F)	ID WB(°F)	60.8°F(16.0°C)					64.4°F(18.0°C)					67°F(19.4°C)					71.6°F(22.0°C)				
		ID DB(°F)	73.4°F (23.0°C)	77.0°F (25.0°C)	80.0°F (26.7°C)	80.6°F (27.0°C)	84.2°F (29.0°C)	73.4°F (23.0°C)	77.0°F (25.0°C)	80.0°F (26.7°C)	80.6°F (27.0°C)	84.2°F (29.0°C)	73.4°F (23.0°C)	77.0°F (25.0°C)	80.0°F (26.7°C)	80.6°F (27.0°C)	84.2°F (29.0°C)	73.4°F (23.0°C)	77.0°F (25.0°C)	80.0°F (26.7°C)	80.6°F (27.0°C)	84.2°F (29.0°C)
NDHASCBB-12/NDHAS22BA-12-0	-13°F (-25.0°C)	TC	12158	12174	12187	12188	12204	12890	12905	12918	12921	12936	13660	13678	13693	13696	13711	14483	14499	14515	14517	14535
		S/T	0.48	0.56	0.64	0.64	0.73	0.51	0.60	0.68	0.68	0.77	0.54	0.63	0.72	0.72	0.82	0.57	0.67	0.76	0.76	0.87
		PI	0.54	0.54	0.54	0.54	0.54	0.57	0.57	0.57	0.57	0.57	0.61	0.61	0.61	0.61	0.61	0.64	0.64	0.64	0.64	0.65
	5°F (-15.0°C)	TC	14028	14047	14062	14063	14082	14873	14891	14906	14909	14926	15762	15782	15800	15803	15821	16712	16730	16748	16751	16771
		S/T	0.49	0.57	0.65	0.65	0.74	0.51	0.60	0.69	0.69	0.78	0.55	0.64	0.73	0.73	0.83	0.58	0.68	0.77	0.77	0.88
		PI	0.62	0.62	0.62	0.62	0.63	0.66	0.66	0.66	0.66	0.66	0.70	0.70	0.70	0.70	0.70	0.74	0.74	0.74	0.74	0.74
	17°F (-8.3°C)	TC	14044	14063	14078	14079	14098	14890	14908	14923	14926	14943	15780	15800	15818	15821	15839	16731	16749	16767	16770	16791
		S/T	0.49	0.57	0.65	0.65	0.74	0.52	0.61	0.69	0.69	0.79	0.55	0.64	0.73	0.73	0.83	0.58	0.68	0.78	0.78	0.88
		PI	0.82	0.82	0.82	0.82	0.82	0.87	0.87	0.87	0.87	0.87	0.92	0.92	0.92	0.92	0.92	0.97	0.97	0.98	0.98	0.98
	35°F (1.7°C)	TC	10839	10854	10865	10866	10880	11492	11506	11517	11519	11533	12179	12195	12208	12210	12224	12913	12927	12941	12943	12959
		S/T	0.49	0.58	0.66	0.66	0.75	0.52	0.61	0.70	0.70	0.79	0.55	0.65	0.74	0.74	0.84	0.59	0.69	0.78	0.78	0.89
		PI	0.61	0.61	0.61	0.61	0.61	0.64	0.64	0.64	0.64	0.64	0.68	0.68	0.68	0.68	0.68	0.72	0.72	0.72	0.72	0.72
	47°F (8.3°C)	TC	11059	11074	11086	11086	11101	11725	11739	11751	11753	11767	12426	12442	12456	12458	12472	13175	13189	13203	13205	13222
		S/T	0.50	0.58	0.66	0.66	0.75	0.53	0.62	0.70	0.70	0.80	0.56	0.65	0.74	0.74	0.85	0.59	0.69	0.79	0.79	0.90
		PI	0.39	0.39	0.39	0.39	0.39	0.42	0.42	0.42	0.42	0.42	0.44	0.44	0.44	0.44	0.44	0.47	0.47	0.47	0.47	0.47
	82°F (27.8°C)	TC	10472	10486	10497	10498	10512	11103	11116	11127	11129	11143	11766	11782	11795	11797	11810	12475	12489	12502	12504	12520
		S/T	0.53	0.62	0.70	0.70	0.80	0.56	0.66	0.75	0.75	0.85	0.59	0.70	0.79	0.79	0.90	0.63	0.74	0.84	0.84	0.95
		PI	0.57	0.57	0.57	0.57	0.57	0.61	0.61	0.61	0.61	0.61	0.64	0.64	0.64	0.64	0.64	0.68	0.68	0.68	0.68	0.68
	95°F (35.0°C)	TC	11631	11646	11659	11659	11675	12332	12346	12358	12361	12376	13068	13085	13100	13102	13117	13856	13871	13886	13888	13905
		S/T	0.53	0.63	0.71	0.71	0.81	0.57	0.66	0.75	0.75	0.86	0.60	0.70	0.80	0.80	0.91	0.64	0.75	0.85	0.85	0.97
		PI	1.01	1.01	1.01	1.01	1.02	1.07	1.07	1.08	1.08	1.08	1.14	1.14	1.14	1.14	1.14	1.21	1.21	1.21	1.21	1.21
	110°F (43.0°C)	TC	10210	10224	10235	10235	10249	10826	10838	10849	10851	10864	11472	11487	11500	11502	11515	12164	12177	12190	12192	12207
		S/T	0.57	0.67	0.76	0.76	0.86	0.60	0.71	0.80	0.80	0.91	0.64	0.75	0.85	0.85	0.97	0.68	0.79	0.90	0.90	1.00
		PI	1.02	1.02	1.02	1.02	1.02	1.08	1.08	1.08	1.08	1.08	1.14	1.14	1.14	1.14	1.15	1.21	1.21	1.21	1.21	1.21
	122°F (50.0°C)	TC	5916	5924	5931	5931	5939	6273	6280	6286	6288	6295	6648	6656	6664	6665	6672	7048	7056	7063	7065	7073
		S/T	0.59	0.69	0.78	0.78	0.89	0.62	0.73	0.83	0.83	0.95	0.66	0.77	0.88	0.88	1.00	0.70	0.82	0.93	0.93	1.00
		PI	0.78	0.78	0.78	0.78	0.78	0.83	0.83	0.83	0.83	0.83	0.88	0.88	0.88	0.88	0.88	0.93	0.93	0.93	0.93	0.93
NDHASCBB-18/NDHAS22BA-18-0	5°F (-15.0°C)	TC	14738	14758	14774	14775	14795	15626	15645	15660	15663	15682	16560	16582	16600	16603	16622	17558	17577	17596	17599	17621
		S/T	0.49	0.57	0.65	0.65	0.74	0.51	0.60	0.69	0.69	0.78	0.55	0.64	0.73	0.73	0.83	0.58	0.68	0.77	0.77	0.88
		PI	0.61	0.61	0.61	0.61	0.61	0.64	0.64	0.64	0.64	0.64	0.68	0.68	0.68	0.68	0.68	0.72	0.72	0.72	0.72	0.72
	17°F (-8.3°C)	TC	14995	15015	15032	15032	15052	15899	15918	15933	15937	15955	16849	16871	16889	16893	16911	17864	17883	17903	17906	17928
		S/T	0.49	0.57	0.65	0.65	0.74	0.52	0.61	0.69	0.69	0.79	0.55	0.64	0.73	0.73	0.83	0.58	0.68	0.78	0.78	0.88
		PI	0.61	0.61	0.61	0.61	0.61	0.65	0.65	0.65	0.65	0.65	0.68	0.69	0.69	0.69	0.69	0.73	0.73	0.73	0.73	0.73
	35°F (1.7°C)	TC	15662	15683	15700	15700	15721	16605	16625	16642	16645	16665	17598	17620	17640	17643	17663	18658	18678	18698	18701	18725
		S/T	0.49	0.58	0.66	0.66	0.75	0.52	0.61	0.70	0.70	0.79	0.55	0.65	0.74	0.74	0.84	0.59	0.69	0.78	0.78	0.89
		PI	0.59	0.59	0.59	0.59	0.59	0.63	0.63	0.63	0.63	0.63	0.66	0.66	0.67	0.67	0.67	0.70	0.70	0.71	0.71	0.71
	47°F (8.3°C)	TC	14986	15006	15022	15023	15043	15889	15908	15924	15927	15946	16838	16860	16879	16882	16901	17853	17872	17892	17895	17917
		S/T	0.50	0.58	0.66	0.66	0.75	0.53	0.62	0.70	0.70	0.80	0.56	0.65	0.74	0.74	0.85	0.59	0.69	0.79	0.79	0.90
		PI	0.67	0.67	0.67	0.67	0.67	0.71	0.71	0.71	0.71	0.71	0.75	0.75	0.75	0.75	0.75	0.80	0.80	0.80	0.80	0.80
	82°F (27.8°C)	TC	18144	18169	18188	18189	18214	19238	19261	19280	19283	19306	20387	20414	20436	20440	20463	21616	21639	21663	21666	21693
		S/T	0.53	0.62	0.70	0.70	0.80	0.56	0.66	0.75	0.75	0.85	0.59	0.70	0.79	0.79	0.90	0.63	0.74	0.84	0.84	0.95
		PI	0.96	0.96	0.96	0.96	0.96	1.01	1.02	1.02	1.02	1.02	1.08	1.08	1.08	1.08	1.08	1.14	1.14	1.14	1.14	1.14
	95°F (35.0°C)	TC	15981	16003	16020	16021	16042	16944	16964	16981	16984	17005	17957	17980	18000	18003	18023	19039	19059	19080	19083	19107
		S/T	0.53	0.63	0.71	0.71	0.81	0.57	0.66	0.75	0.75	0.86	0.60	0.70	0.80	0.80	0.91	0.64	0.75	0.85	0.85	0.97
		PI	1.42	1.42	1.42	1.42	1.43	1.51	1.51	1.51	1.51	1.51	1.60	1.60	1.60	1.60	1.60	1.69	1.69	1.70	1.70	1.70
	110°F (43.0°C)	TC	12163	12180	12193	12193	12210	12897	12912	12925	12927	12942	13667	13685	13700	13703	13718	14490	14506	14522	14524	14542
		S/T	0.57	0.67	0.76	0.76	0.86	0.60	0.71	0.80	0.80	0.91	0.64	0.75	0.85	0.85	0.97	0.68	0.79	0.90	0.90	1.00
		PI	1.25	1.25	1.25	1.25	1.26	1.33	1.33	1.33	1.33	1.33	1.41	1.41	1.41	1.41	1.41	1.49	1.49	1.49	1.49	1.50
	122°F (50.0°C)	TC	4271	4277	4282	4282	4288	4529	4534	4539	4540	4545	4799	4806	4811	4812	4817	5088	5094	5100	5100	5107
		S/T	0.59	0.69	0.78	0.78	0.89	0.62	0.73	0.83	0.83	0.95	0.66	0.77	0.88	0.88	1.00	0.70	0.82	0.93	0.93	1.00
		PI	0.72	0.72	0.73	0.73	0.73	0.77	0.77	0.77	0.77	0.77	0.81	0.81	0.82	0.82	0.82	0.86	0.86	0.86	0.86	0.87

PERFORMANCE DATA – HEATING

DB – Dry Bulb WB – Wet Bulb TC:Total Cooling Capacity (BTU/hr) S/T:Sensible Cooling Capacity Ratio PI:Power Input(kW) Input – Total Power (kW)

		HEATING PERFORMANCE AT INDOOR DRY BULB TEMPERATURE									
	OUTDOOR DB(°F)	TC: Total Heating Capacity(BTU/hr)					PI: Power Input(kW)				
		Indoor Conditions(DB °F)					Indoor Conditions(DB °F)				
		60.8°F(16.0°C)	68°F(20.0°C)	70°F(21.1°C)	71.6°F(22.0°C)	75.2°F(24.0°C)	60.8°F(16.0°C)	68°F(20.0°C)	70°F(21.1°C)	71.6°F(22.0°C)	75.2°F(24.0°C)
NDHASCBB-12/NDHAS22BA-12-0	-13°F (-25.0°C)	4717	4623	4600	4582	4540	0.94	0.95	0.95	0.95	0.96
	-4°F (-20.0°C)	6461	6332	6300	6275	6218	1.00	1.01	1.01	1.01	1.02
	5°F (-15.0°C)	9127	8945	8900	8864	8785	1.03	1.04	1.04	1.05	1.05
	17°F (-8.3°C)	9845	9648	9600	9562	9476	1.11	1.12	1.13	1.13	1.13
	35°F (1.7°C)	10240	10036	9985	9945	9856	0.93	0.94	0.94	0.94	0.94
	47°F (8.3°C)	13229	12965	12900	12848	12733	1.19	1.20	1.20	1.20	1.21
NDHASCBB-18/NDHAS22BA-18-0	-13°F (-25.0°C)	8204	8040	8000	7968	7896	1.49	1.50	1.50	1.51	1.51
	-4°F (-20.0°C)	10358	10151	10100	10060	9969	1.58	1.59	1.59	1.59	1.60
	5°F (-15.0°C)	13435	13166	13100	13048	12930	1.76	1.77	1.78	1.78	1.79
	17°F (-8.3°C)	14973	14673	14600	14542	14411	1.64	1.66	1.66	1.66	1.67
	35°F (1.7°C)	18547	18176	18085	18013	17851	1.94	1.95	1.96	1.96	1.97
	47°F (8.3°C)	23587	23116	23000	22908	22702	1.81	1.83	1.83	1.83	1.84