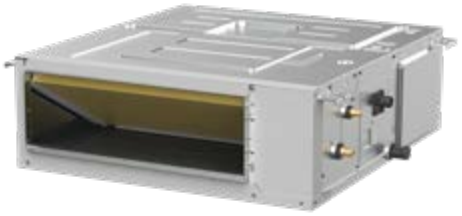
TECHNICAL SPECIFICATIONS

PREMIUM HIGH STATIC SLIM DUCT SERIES

10 YEAR LIMITED WARRANTY PARTS AND COMPRESSOR

R454B

ENERGY STAR



FEATURES

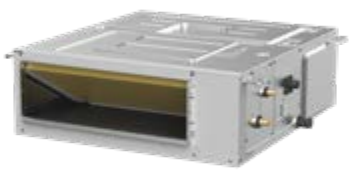
- **High Efficiency Rating**
  Delivers energy savings and system efficiency.
- **Available Capacities**
  Offered in 12,000 BTU/h, 18,000 BTU/h, and 24,000 BTU/h options to suit different room sizes and cooling needs.
- **Wide Operating Range**
  Performs reliably in extreme temperatures, from -25ºC (-13ºF) to 50ºC (122ºF).
- **NEEP Certified**
  Recognized for energy efficiency, meeting standards that help reduce operating costs and environmental impact. Eligibility for local rebate programs offers additional cost savings—check local Qualified Product Lists for details.
- **Real-time Constant Air Volume**
  Automatically match the airflow volume to different duct design, providing installation convenience and savings.
- **Multi-Zone Compatibility**
  Easily integrates with multi-zone outdoor units to provide customized comfort across multiple rooms.
- **Built-in Drain Pump and 2-way Draining**
  For ease of installation
- **Wireless remote and Wired LCD controller (120N)**
  Included for temperature setting, schedules and timers. Choose mode of Auto, Cool, Dry, Heat, Fan. Control fan speed and dehumidification.

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

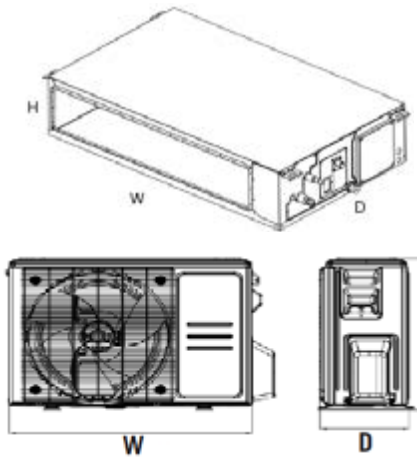
PREMIUM HIGH STATIC SLIM DUCT SERIES



		H							
N	D	C	A	S	HD	B	B	-	24
Brand	Product Category	Product Type	Sales Channel	Single/Multi	Indoor Unit OR Efficiency	Refrigerant	Revision		Capacity in 000 BTU/h
N = Napoleon	*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 or 24*

MINI SPLIT SPECIFICATIONS

DIMENSIONS			
HIGH STATIC SLIM DUCT INDOOR	NDHASHDBB-12	NDHASHDBB-18	NDHASHDBB-24
Width (mm/in)	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
Height (mm/in)	245.0/9.65	245.0/9.65	245.0/9.65
Net weight (lb/kg)	64.15/29.1	79.81/36.2	80.47/36.5
Gross weight (lb/kg)	73.85/33.5	91.27/41.4	91.93/41.7
OUTDOOR UNIT	NDHAS22BA-12-0	NDHAS22BA-18-0	NDHAS22BA-24-0
Width (mm/in)	765/30.12	890/35.04	946/37.24
Depth (mm/in)	303/11.93	342/13.46	410/16.14
Height (mm/in)	555/21.85	673/26.5	810/31.89
Net weight (lb/kg)	62.17/28.2	92.59/42	122.13/55.4
Gross weight (lb/kg)	67.68/30.7	100.31/45.5	132.28/60



SYSTEM DATA			
INDOOR SKU	NDHASHDBB-12	NDHASHDBB-18	NDHASHDBB-24
OUTDOOR SKU	NDHAS22BA-12-0	NDHAS22BA-18-0	NDHAS22BA-24-0
AHRI NUMBER	217605560	217605559	217605558
Cooling Capacity Rated BTU (Range)	2200~12900	4500~20200	8500~28300
Heating Capacity Rated BTU (Range)	3700~15700	5200~23000	11800~35100
SEER2	19.5	20.0	19.0
HSPF2 (REGION IV)	10.5	11.3	11.0
EER2	12.0	13.3	12.5
HSPF2 (REGION V)	8.0	8.8	8.5
Dehumidify (L/h)	1.8	2.3	2.9
Voltage	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph	208/230V,60Hz,1Ph
Indoor noise level (Hi/Mi/Lo) dBA	33.5/32.5/31	37/35/33	40/38/35.5
Outdoor noise level dBA	55.5	58.0	60.0
Compressor & Parts Limited Warranty	10 years	10 years	10 years
Max. refrigerant pipe length (m)	25	30	50
Max. refrigerant pipe length (ft)	82.00	98.40	164.00
Max. difference in elevation (m)	15	20	25
Max. difference in elevation (ft)	49.20	65.60	82.00
Refrigeration GAS PIPE (mm/inch)	9.52mm(3/8in)	12.7mm(1/2in)	15.9mm(5/8in)
Refrigeration LIQUID PIPE (mm/in)	6.35mm(1/4in)	6.35mm(1/4in)	9.52mm(3/8in)
Heating at 17ºF (-8.33ºC) BTU	9800	15900	21600
Heating at 5ºF (-15ºC) BTU	8900	14200	19000
Heating at 5ºF (-15ºC) COP	2.44	2.41	2.3
Connection Wiring	14AWG*4 Stranded, unshielded	14AWG*4 Stranded, unshielded	14AWG*4 Stranded, unshielded
Refridgerant Gas (oz/kg)	R454B 32.45/0.92	R454B 47.97/1.36	R454B 70.55/2
Additional charge per metre (oz/ft)/(g/m)	0.16/15	0.16/15	0.32/30
Compressor	ROTARY	ROTARY	ROTARY
MAX FUSE (A)	15	20	25
Minimum Circuit Capacity	12.00	18.00	24.00
Rated Cooling Current (A)	4.6	5.8	8.3
Rated Heating Current (A)	4.1	6.5	8.7
Indoor air flow (Hi/Mi/Lo) CFM	350.2 / 256.0 / 216.0	618.0 / 529.7 / 441.4	706.3 / 618.0 / 500.3
Outdoor air flow CFM	1236.1	1765.8	2236.7
Indoor Temperature Cooling Range ºC/ºF	16~32/60~90	16~32/60~90	16~32/60~90
Indoor Temperature Heating Range ºC/ºF	0~30/32~86	0~30/32~86	0~30/32~86
Outdoor Temperature Cooling Range ºC/ºF	-25~50/-13~122	-25~50/-13~122	-25~50/-13~122
Outdoor Temperature Heating Range ºC/ºF	-25~24/-13~75	-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																			
	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)				
OUTDOOR DB(°F)	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)
NDHASHDBB-12/NDHAS22BA-12-0																					
5°F (-15.0°C)	TC	10636	10650	10662	10662	10677	11277	11290	11301	11304	11317	11951	11966	11980	11982	11995	12671	12684	12698	12700	12716
	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	0.66	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	0.78	0.79	0.79	0.79	0.79
17°F (-8.3°C)	TC	10900	10914	10926	10926	10941	11556	11570	11581	11584	11598	12247	12263	12276	12279	12292	12985	12999	13013	13015	13031
	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	0.58	0.58	0.58	0.58	0.58	0.61	0.62	0.62	0.62	0.62	0.65	0.65	0.65	0.65	0.65	0.69	0.69	0.69	0.69	0.69
35°F (1.7°C)	TC	11533	11548	11561	11561	11577	12228	12242	12254	12257	12271	12958	12975	12989	12992	13006	13739	13754	13769	13771	13788
	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	0.71	0.71	0.71	0.71	0.71	0.75	0.75	0.75	0.75	0.76	0.80	0.80	0.80	0.80	0.80	0.85	0.85	0.85	0.85	0.85
47°F (8.3°C)	TC	11057	11072	11084	11084	11099	11723	11737	11749	11751	11765	12424	12440	12454	12456	12470	13172	13187	13201	13203	13220
	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	0.43	0.43	0.43	0.43	0.43	0.46	0.46	0.46	0.46	0.46	0.49	0.49	0.49	0.49	0.49	0.52	0.52	0.52	0.52	0.52
82°F (27.8°C)	TC	10520	10534	10545	10546	10560	11153	11167	11178	11180	11193	11820	11835	11848	11851	11864	12532	12546	12559	12561	12577
	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	0.63	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	0.75	0.75	0.75	0.75	0.75
95°F (35.0°C)	TC	11099	11114	11126	11127	11142	11768	11782	11794	11796	11810	12471	12488	12502	12504	12518	13223	13237	13252	13254	13270
	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	1.07	1.08	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	1.28	1.28	1.28	1.28	1.28
110°F (43.0°C)	TC	9224	9237	9247	9247	9260	9780	9792	9801	9803	9815	10365	10378	10390	10391	10403	10989	11001	11013	11015	11028
	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	1.05	1.06	1.06	1.06	1.06	1.12	1.12	1.12	1.12	1.12	1.18	1.19	1.19	1.19	1.19	1.26	1.26	1.26	1.26	1.26
122°F (50.0°C)	TC	6904	6913	6921	6921	6930	7320	7329	7336	7337	7346	7757	7767	7776	7777	7786	8225	8234	8243	8244	8254
	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	0.83	0.83	0.84	0.84	0.84	0.88	0.88	0.89	0.89	0.89	0.94	0.94	0.94	0.94	0.94	0.99	0.99	1.00	1.00	1.00
NDHASHDBB-18/NDHAS22BA-18-0																					
5°F (-15.0°C)	TC	17107	17130	17148	17149	17172	18138	18159	18177	18181	18202	19221	19246	19268	19271	19293	20379	20401	20424	20427	20452
	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	0.72	0.72	0.72	0.72	0.72	0.77	0.77	0.77	0.77	0.77	0.81	0.81	0.81	0.81	0.81	0.86	0.86	0.86	0.86	0.86
17°F (-8.3°C)	TC	17628	17651	17670	17671	17695	18690	18712	18731	18734	18757	19807	19832	19854	19858	19880	21000	21023	21046	21049	21075
	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	0.64	0.64	0.64	0.64	0.64	0.67	0.67	0.68	0.68	0.68	0.71	0.72	0.72	0.72	0.72	0.76	0.76	0.76	0.76	0.76
35°F (1.7°C)	TC	17603	17627	17646	17647	17671	18664	18686	18705	18709	18731	19779	19805	19827	19831	19853	20971	20994	21017	21020	21046
	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	0.70	0.71	0.71	0.71	0.71	0.75	0.75	0.75	0.75	0.75	0.79	0.79	0.79	0.79	0.79	0.84	0.84	0.84	0.84	0.84
47°F (8.3°C)	TC	17064	17087	17106	17106	17129	18093	18114	18132	18135	18157	19173	19198	19220	19223	19245	20329	20351	20373	20376	20402
	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	0.77	0.77	0.78	0.78	0.78	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
82°F (27.8°C)	TC	18979	19004	19025	19025	19051	20122	20146	20166	20170	20194	21324	21352	21376	21380	21404	22609	22634	22659	22662	22690
	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	1.04	1.05	1.05	1.05	1.05	1.11	1.11	1.11	1.11	1.11	1.17	1.18	1.18	1.18	1.18	1.24	1.25	1.25	1.25	1.25
95°F (35.0°C)	TC	17861	17885	17904	17905	17929	18937	18960	18978	18982	19005	20069	20095	20117	20121	20143	21278	21301	21324	21327	21354
	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	1.57	1.57	1.57	1.57	1.57	1.66	1.66	1.67	1.67	1.67	1.76	1.76	1.77	1.77	1.77	1.87	1.87	1.87	1.87	1.87
110°F (43.0°C)	TC	13587	13605	13619	13620	13638	14405	14422	14437	14439	14457	15266	15286	15303	15306	15323	16186	16203	16221	16224	16244
	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	1.36	1.36	1.36	1.36	1.36	1.44	1.44	1.44	1.44	1.44	1.52	1.53	1.53	1.53	1.53	1.62	1.62	1.62	1.62	1.62
122°F (50.0°C)	TC	5126	5133	5138	5138	5145	5435	5441	5446	5447	5454	5759	5767	5773	5774	5781	6106	6113	6119	6120	6128
	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	0.82	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	0.98	0.98	0.98	0.98
NDHASHDBB-24/NDHAS22BA-24-0																					
5°F (-15.0°C)	TC	23353	23384	23410	23411	23442	24760	24790	24814	24819	24849	26240	26274	26303	26308	26337	27821	27851	27881	27886	27920
	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	1.16	1.16	1.16	1.16	1.16	1.23	1.23	1.23	1.23	1.23	1.30	1.30	1.31	1.31	1.31	1.38	1.38	1.38	1.38	1.39
17°F (-8.3°C)	TC	21260	21288	21311	21312	21341	22541	22568	22590	22594	22621	23888	23919	23945	23950	23977	25327	25355	25382	25386	25418
	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	1.13	1.13	1.13	1.13	1.13	1.20	1.20	1.20	1.20	1.20	1.27	1.27	1.27	1.27	1.27	1.35	1.35	1.35	1.35	1.35
35°F (1.7°C)	TC	23241	23272	23297	23298	23330	24642	24671	24695	24700	24729	26114	26148	26177	26182	26211	27687	27717	27747	27752	27786
	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	1.01	1.01	1.01	1.01	1.01	1.07	1.07	1.07	1.07	1.07	1.13	1.13	1.14	1.14	1.14	1.20	1.20	1.20	1.20	1.20
47°F (8.3°C)	TC	23426	23457	23483	23484	23515	24838	24867	24892	24896	24926	26321	26356	26385	26390	26419	27907	27938	27968	27972	28007
	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	1.13	1.13	1.13	1.13	1.13	1.19	1.20	1.20	1.20	1.20	1.26	1.27	1.27	1.27	1.27	1.34	1.34	1.34	1.34	1.35
82°F (27.8°C)	TC	26570	26606	26634	26635	26671	28171	28204	28232	28238	28271	29854	29893	29926	29932	29965	31653	31687	31722	31727	31766
	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	1.53	1.53	1.54	1.54	1.54	1.62	1.63	1.63	1.63	1.63	1.72	1.72	1.73	1.73	1.73	1.83	1.83	1.83	1.83	1.83
95°F (35.0°C)	TC	25086	25120	25147	25148	25182	26598	26629	26655	26661	26692	28187	28223	28255	28260	28292	29885	29917	29950	29955	29992
	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	2.41	2.41	2.41	2.41	2.41	2.55	2.55	2.56	2.56	2.56	2.70	2.71	2.71	2.71	2.71	2.87	2.87	2.87	2.87	2.88
110°F (43.0°C)	TC	19076	19101	19122	19123	19149	20225	20249	20269	20273	20297	21434	21461	21485	21489	21513	22725	22750	22774	22778	22806
	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	2.22	2.23	2.23	2.23	2.23	2.36	2.36	2.36	2.36	2.37	2.50	2.50	2.50	2.50	2.51	2.65	2.65	2.65	2.65	2.66
122°F (50.0°C)	TC	13911	13929	13944	13945	13964	14749	14766	14781	14784	14802	15630	15650	15668	15671	15688	16572	16590	16608	16611	16631
	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	1.77	1.77	1.77	1.77	1.77	1.87	1.87	1.88	1.88	1.88	1.98	1.99	1.99	1.99	1.99	2.10	2.11	2.11	2.11	2.11

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)
NDHASHDBB-12/NDHAS22BA-12-0	-22°F (-30.0°C)	5921	5802	5773	5750	5698	0.96	0.96	0.97	0.97	0.97
	-13°F (-25.0°C)	7215	7071	7036	7007	6944	1.02	1.03	1.03	1.03	1.04
	-4°F (-20.0°C)	9126	8943	8898	8863	8783	1.08	1.08	1.09	1.09	1.09
	5°F (-15.0°C)	10032	9831	9782	9743	9655	1.13	1.14	1.14	1.14	1.14
	17°F (-8.3°C)	11411	11182	11127	11082	10982	1.21	1.22	1.22	1.22	1.23
	35°F (1.7°C)	16082	15760	15682	15619	15478	1.37	1.38	1.38	1.38	1.39
	47°F (8.3°C)	14598	14306	14235	14178	14050	0.76	0.76	0.77	0.77	0.77
	64.4°F (18.0°C)	8678	8504	8462	8428	8352	1.45	1.47	1.47	1.47	1.48
NDHASHDBB-18/NDHAS22BA-18-0	-22°F (-30.0°C)	10935	10716	10663	10620	10524	1.54	1.55	1.56	1.56	1.56
	-13°F (-25.0°C)	14578	14287	14215	14158	14031	1.65	1.66	1.67	1.67	1.68
	-4°F (-20.0°C)	16288	15963	15883	15819	15677	1.68	1.70	1.70	1.70	1.71
	5°F (-15.0°C)	21313	20887	20782	20699	20513	1.81	1.83	1.83	1.84	1.84
	17°F (-8.3°C)	23633	23160	23045	22952	22746	1.70	1.72	1.72	1.73	1.73
	35°F (1.7°C)	22366	21919	21810	21722	21527	1.10	1.11	1.11	1.11	1.12
	47°F (8.3°C)	12684	12431	12369	12319	12208	2.10	2.11	2.12	2.12	2.13
	64.4°F (18.0°C)	15484	15174	15098	15038	14902	2.22	2.24	2.25	2.25	2.26
NDHASHDBB-24/NDHAS22BA-24-0	-22°F (-30.0°C)	19500	19110	19015	18939	18768	2.33	2.35	2.36	2.36	2.37
	-13°F (-25.0°C)	22093	21652	21543	21457	21264	2.44	2.46	2.47	2.47	2.48
	-4°F (-20.0°C)	26290	25764	25635	25532	25303	2.77	2.80	2.80	2.81	2.82
	5°F (-15.0°C)	27129	26586	26453	26347	26110	2.84	2.86	2.87	2.87	2.89
	17°F (-8.3°C)	35947	35228	35051	34911	34597	2.97	3.00	3.00	3.01	3.02
	35°F (1.7°C)	37966	37206	37020	36872	36540	2.35	2.37	2.38	2.38	2.39
	47°F (8.3°C)	23385	22917	22802	22711	22507	1.73	1.75	1.75	1.75	1.76
	64.4°F (18.0°C)	19522	19131	19036	18959	18789	1.01	1.02	1.02	1.02	1.02