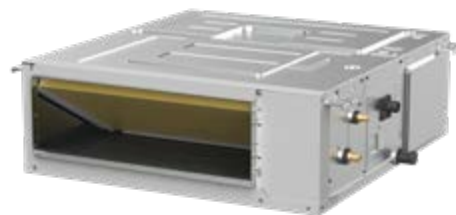


TECHNICAL SPECIFICATIONS



ULTIMATE HIGH STATIC SLIM DUCT SERIES



FEATURES

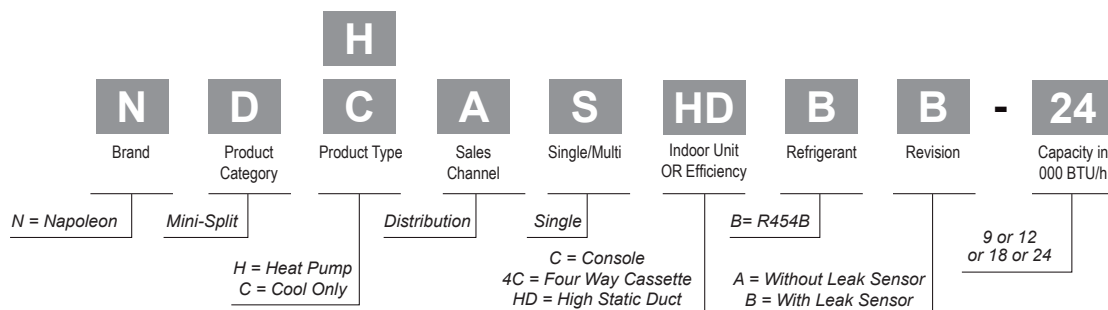
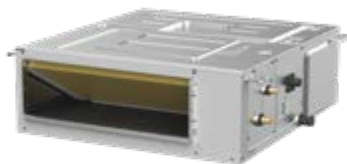
- Very High Efficiency Rating**
Delivers exceptional energy savings and performance, reducing utility costs.
- Available Capacities**
Choose from 9,000 BTU/h, 12,000 BTU/h, 18,000 BTU/h, and 24,000 BTU/h, to meet a variety of heating and cooling needs.
- Wide Operating Range**
Performs efficiently in extreme temperatures, from -30°C (-22°F) to 50°C (122°F).
- Energy Star & NEEP Certified**
Recognized for superior energy efficiency, qualifying for potential rebates and contributing to a greener environment. Eligibility for local rebate programs offers additional cost savings—check local Qualified Product Lists for details.
- Built-In Drain Pump**
Can lift the condensing water up to 750mm (2.46ft) and 2-way draining for ease of installation.
- Multi-Zone Compatibility**
Easily integrates with multi-zone outdoor units to provide customized comfort across multiple rooms.
- 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.
- Auto restart on power up and Follow me feature included for targeted comfort

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).

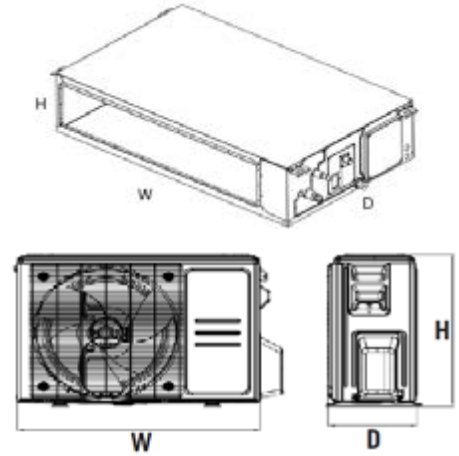
NOMENCLATURE

ULTIMATE HIGH STATIC SLIM DUCT SERIES



MINI SPLIT SPECIFICATIONS

DIMENSIONS				
INDOOR UNIT	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
OUTDOOR UNIT	NDHAS26BA-09-0	NDHAS26BA-12-0	NDHAS26BA-18-0	NDHAS26BA-24-0
Width (mm/in)	805/31.69	805/31.69	890/35.04	946/37.24
Depth (mm/in)	330/12.99	330/12.99	342/13.46	410/16.14
Height (mm/in)	554/21.81	554/21.81	673/26.5	810/31.89
Net weight (lb/kg)	72.75/33	72.75/33	99.87/45.3	130.29/59.1
Gross weight (lb/kg)	78.7/35.7	78.7/35.7	107.8/48.9	141.31/64.1



SYSTEM DATA				
INDOOR SKU	NDHASHDBB-09	NDHASHDBB-12	NDHASHDBB-18	NDHASHDBB-24
OUTDOOR SKU	NDHAS26BA-09-0	NDHAS26BA-12-0	NDHAS26BA-18-0	NDHAS26BA-24-0
AHRI NUMBER	217361775	217361776	217361777	217361778
Cooling Capacity Rated BTU (Range)	3000~13100	3000~13300	4000~20600	5000~28000
Heating Capacity Rated BTU (Range)	3900~16500	3900~16500	5400~23000	7300~31400
SEER2	20.5	20	18.4	19
HSPF2 (REGION IV)	13.8	10.6	11.1	11.7
EER2	14.0	12.0	12.0	12.0
HSPF2 (REGION V)	10.8	8.5	9.0	9.3
Dehumidify (L/h)	0.93	1.88	1.88	2.74
Voltage	208/230V,1Ph,60Hz	208/230V,1Ph,60Hz	208/230V,1Ph,60Hz	208/230V,1Ph,60Hz
Indoor noise level (Hi/Mi/Lo) dBA	29.5/28.5/27.5	32.5/30.5/28.5	36/34.0/32.0	40.0/37.0/35
Outdoor noise level dBA	54.0	54.0	57.5	61.0
Compressor & Parts Limited Warranty	10 years	10 years	10 years	10 years
Max. refrigerant pipe length (m)	25	25	30	50
Max. refrigerant pipe length (ft)	82.00	82.00	98.40	164.00
Max. difference in elevation (m)	15	15	20	25
Max. difference in elevation (ft)	49.20	49.20	65.60	82.00
Refrigeration GAS PIPE (mm/inch)	9.52mm(3/8in)	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)	6.35mm(1/4in)	9.52mm(3/8in)
Heating at 17F (-8.33) BTU	12600	13900	20000	23600
Heating at 5F (-15) BTU	11900	12000	18000	24000
Heating at 5F (-15) COP	1.85	1.95	2.1	2.18
Connection Wiring	14AWG*4 Stranded, unshielded	14AWG*4 Stranded, unshielded	14AWG*4 Stranded, unshielded	14AWG*4 Stranded, unshielded
Refrigerant Gas (oz/kg)	R454B 35.27/1	R454B 35.27/1	R454B 55.38/1.57	R454B 63.49/1.8
Additional charge per metre (oz/ft)/(g/m)	0.16/15	0.16/15	0.16/15	0.32/30
Compressor	Rotary	Rotary	Rotary	Rotary
MAX FUSE (A)	15	15	20	25
Minimum Circuit Capacity	15.00	15.00	19.00	24.90
Rated Cooling Current (A)	4.9	5.5	9.0	8.8
Rated Heating Current (A)	5.4	4.7	9.8	8.8
Indoor air flow (Hi/Mi/Lo) CFM	288.4 / 230.7 / 200.7	350.2 / 256.0 / 216.0	618.0 / 529.7 / 441.4	706.3 / 618.0 / 500.3
Outdoor air flow CFM	1471.5	1471.5	1765.8	2236.7
Indoor Temperature Cooling Range °C/°F	16~32/60~90	16~32/60~90	16~32/60~90	16~32/60~90
Indoor Temperature Heating Range °C/°F	0~30/32~86	0~30/32~86	0~30/32~86	0~30/32~86
Outdoor Temperature Cooling Range °C/°F	-30~50/-22~122	-30~50/-22~122	-30~50/-22~122	-30~50/-22~122
Outdoor Temperature Heating Range °C/°F	-30~24/-22~75	-30~24/-22~75	-30~24/-22~75	-30~24/-22~75

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)	
NDHASDBB-09/NDHAS26BA-09-0	5°F (-15.0°C)	TC	10751	10766	10777	10778	10792	11399	11412	11424	11426	11440	12080	12096	12109	12111	12125	12808	12822	12836	12838	12854
		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	0.45	0.45	0.45	0.45	0.46	0.48	0.48	0.48	0.48	0.48	0.51	0.51	0.51	0.51	0.51	0.54	0.54	0.54	0.54	0.54
	17°F (-8.3°C)	TC	9715	9728	9739	9739	9752	10301	10313	10323	10325	10337	10916	10930	10942	10944	10957	11574	11586	11599	11601	11615
		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	0.52	0.52	0.52	0.52	0.52	0.55	0.55	0.55	0.55	0.55	0.58	0.58	0.58	0.58	0.58	0.61	0.62	0.62	0.62	0.62
	35°F (1.7°C)	TC	11184	11199	11211	11212	11227	11858	11872	11884	11886	11901	12567	12583	12597	12599	12614	13324	13338	13353	13355	13372
		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	0.55	0.56	0.56	0.56	0.56	0.59	0.59	0.59	0.59	0.59	0.62	0.62	0.63	0.63	0.63	0.66	0.66	0.66	0.66	0.66
	47°F (8.3°C)	TC	10603	10617	10628	10629	10643	11242	11255	11266	11268	11282	11913	11929	11942	11944	11958	12631	12645	12659	12660	12676
		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	0.56	0.56	0.56	0.56	0.56	0.59	0.59	0.60	0.60	0.60	0.63	0.63	0.63	0.63	0.63	0.67	0.67	0.67	0.67	0.67
	82°F (27.8°C)	TC	11675	11691	11704	11704	11720	12379	12394	12406	12408	12423	13119	13136	13150	13153	13168	13909	13924	13939	13942	13959
		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	0.60	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
	95°F (35.0°C)	TC	11557	11572	11585	11585	11601	12253	12268	12280	12282	12297	12985	13002	13017	13019	13034	13768	13783	13798	13800	13817
		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	1.12	1.12	1.12	1.12	1.12	1.18	1.18	1.18	1.19	1.19	1.25	1.25	1.26	1.26	1.26	1.33	1.33	1.33	1.33	1.33
	110°F (43.0°C)	TC	9809	9822	9833	9833	9846	10400	10412	10423	10425	10437	11021	11036	11048	11050	11062	11686	11698	11711	11713	11727
		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	1.12	1.12	1.12	1.12	1.12	1.19	1.19	1.19	1.19	1.19	1.26	1.26	1.26	1.26	1.26	1.33	1.34	1.34	1.34	1.34
	122°F (50.0°C)	TC	5380	5387	5393	5393	5401	5704	5711	5717	5718	5725	6045	6053	6060	6061	6068	6409	6416	6423	6424	6432
		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	0.66	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	0.78	0.78	0.78	0.78
NDHASDBB-12/NDHAS26BA-12-0	5°F (-15.0°C)	TC	11802	11818	11831	11831	11847	12514	12528	12541	12543	12558	13261	13278	13293	13296	13310	14060	14075	14091	14093	14110
		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	0.69	0.70	0.70	0.70	0.70	0.74	0.74	0.74	0.74	0.74	0.78	0.78	0.78	0.78	0.78	0.83	0.83	0.83	0.83	0.83
	17°F (-8.3°C)	TC	12117	12134	12147	12147	12164	12848	12863	12875	12878	12893	13615	13633	13648	13651	13666	14435	14451	14467	14469	14487
		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	0.71	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
	35°F (1.7°C)	TC	11318	11333	11345	11346	11361	12000	12014	12026	12028	12042	12717	12733	12747	12750	12764	13483	13497	13512	13514	13531
		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	0.65	0.65	0.65	0.65	0.65	0.69	0.69	0.69	0.69	0.69	0.73	0.73	0.73	0.73	0.73	0.77	0.77	0.77	0.77	0.77
	47°F (8.3°C)	TC	10748	10763	10774	10775	10789	11396	11409	11421	11423	11436	12077	12092	12106	12108	12122	12804	12818	12832	12834	12850
		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	0.59	0.59	0.59	0.59	0.59	0.63	0.63	0.63	0.63	0.63	0.66	0.67	0.67	0.67	0.67	0.70	0.71	0.71	0.71	0.71
	82°F (27.8°C)	TC	12292	12309	12322	12322	12339	13033	13048	13061	13064	13079	13812	13830	13845	13848	13863	14644	14660	14676	14678	14696
		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	0.69	0.69	0.69	0.69	0.69	0.73	0.73	0.73	0.73	0.73	0.77	0.78	0.78	0.78	0.78	0.82	0.82	0.82	0.82	0.82
	95°F (35.0°C)	TC	11799	11815	11828	11828	11844	12510	12525	12537	12540	12555	13258	13275	13290	13292	13307	14057	14072	14087	14089	14107
		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	1.05	1.05	1.05	1.05	1.06	1.12	1.12	1.12	1.12	1.12	1.18	1.18	1.19	1.19	1.19	1.25	1.25	1.26	1.26	1.26
	110°F (43.0°C)	TC	9845	9859	9869	9870	9883	10439	10451	10461	10463	10476	11062	11077	11089	11091	11103	11729	11742	11754	11756	11771
		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	1.13	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	1.34	1.34	1.35	1.35	1.35
	122°F (50.0°C)	TC	5804	5812	5818	5819	5826	6154	6161	6167	6169	6176	6522	6530	6537	6539	6546	6915	6922	6930	6931	6939
		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	0.67	0.68	0.68	0.68	0.68	0.72	0.72	0.72	0.72	0.72	0.76	0.76	0.76	0.76	0.76	0.80	0.80	0.81	0.81	0.81

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)	
NDHASHDBB-18/NDHAS26BA-18-0	5°F (-15.0°C)	TC	16377	16399	16416	16417	16439	17363	17384	17401	17405	17425	18401	18425	18445	18449	18469	19510	19531	19552	19555	19579
		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	0.73	0.73	0.73	0.73	0.73	0.77	0.77	0.77	0.77	0.77	0.82	0.82	0.82	0.82	0.82	0.86	0.87	0.87	0.87	0.87
	17°F (-8.3°C)	TC	17655	17679	17698	17698	17722	18719	18741	18760	18763	18786	19837	19863	19885	19889	19911	21032	21055	21078	21082	21108
		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	0.66	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	0.78	0.79	0.79	0.79
	35°F (1.7°C)	TC	18764	18789	18809	18810	18835	19894	19918	19938	19942	19965	21083	21110	21134	21138	21161	22353	22378	22402	22405	22433
		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	0.73	0.73	0.73	0.73	0.73	0.77	0.77	0.77	0.77	0.77	0.82	0.82	0.82	0.82	0.82	0.87	0.87	0.87	0.87	0.87
	47°F (8.3°C)	TC	17846	17870	17889	17890	17914	18921	18944	18962	18966	18989	20052	20078	20100	20104	20126	21260	21283	21306	21309	21336
		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	0.90	0.90	0.90	0.90	0.90	0.95	0.95	0.95	0.95	0.96	1.01	1.01	1.01	1.01	1.01	1.07	1.07	1.07	1.07	1.07
	82°F (27.8°C)	TC	20310	20337	20359	20360	20387	21534	21559	21581	21585	21611	22820	22850	22875	22880	22905	24195	24222	24248	24252	24282
		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	1.16	1.16	1.16	1.16	1.16	1.23	1.23	1.23	1.23	1.23	1.30	1.30	1.30	1.30	1.30	1.38	1.38	1.38	1.38	1.38
	95°F (35.0°C)	TC	18227	18252	18272	18272	18297	19326	19349	19368	19372	19395	20481	20507	20530	20534	20557	21715	21738	21762	21765	21792
		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	1.59	1.59	1.59	1.59	1.59	1.68	1.69	1.69	1.69	1.69	1.78	1.79	1.79	1.79	1.79	1.89	1.89	1.90	1.90	1.90
	110°F (43.0°C)	TC	14138	14157	14172	14173	14192	14990	15008	15022	15025	15043	15885	15906	15924	15927	15945	16843	16861	16879	16882	16903
		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	1.45	1.45	1.45	1.45	1.45	1.53	1.54	1.54	1.54	1.54	1.63	1.63	1.63	1.63	1.63	1.72	1.72	1.73	1.73	1.73
	122°F (50.0°C)	TC	9167	9179	9189	9189	9202	9719	9731	9740	9742	9754	10300	10313	10325	10327	10338	10920	10932	10944	10946	10960
		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	1.28	1.28	1.28	1.28	1.29	1.36	1.36	1.36	1.36	1.36	1.44	1.44	1.44	1.44	1.44	1.53	1.53	1.53	1.53	1.53
NDHASHDBB-24/NDHAS26BA-24-0	5°F (-15.0°C)	TC	25616	25650	25678	25679	25714	27160	27192	27219	27224	27256	28782	28820	28852	28857	28889	30517	30550	30583	30588	30626
		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	1.21	1.21	1.21	1.21	1.21	1.28	1.28	1.28	1.28	1.28	1.36	1.36	1.36	1.36	1.36	1.44	1.44	1.44	1.44	1.44
	17°F (-8.3°C)	TC	25628	25663	25690	25691	25726	27173	27205	27232	27237	27269	28796	28833	28866	28871	28903	30531	30564	30597	30602	30640
		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	1.07	1.07	1.07	1.07	1.07	1.13	1.14	1.14	1.14	1.14	1.20	1.20	1.21	1.21	1.21	1.27	1.28	1.28	1.28	1.28
	35°F (1.7°C)	TC	25625	25660	25687	25688	25723	27169	27202	27228	27234	27266	28793	28830	28862	28867	28900	30527	30561	30594	30599	30637
		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	0.92	0.92	0.92	0.92	0.92	0.97	0.97	0.97	0.97	0.98	1.03	1.03	1.03	1.03	1.03	1.09	1.09	1.09	1.10	1.10
	47°F (8.3°C)	TC	28564	28602	28633	28634	28673	30285	30321	30351	30357	30393	32094	32136	32172	32178	32214	34028	34065	34102	34107	34150
		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	1.48	1.48	1.48	1.48	1.48	1.57	1.57	1.57	1.57	1.57	1.66	1.66	1.66	1.66	1.67	1.76	1.76	1.76	1.76	1.77
	82°F (27.8°C)	TC	28038	28075	28106	28107	28145	29727	29762	29792	29798	29833	31503	31544	31579	31585	31620	33401	33438	33474	33479	33521
		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	1.86	1.87	1.87	1.87	1.87	1.98	1.98	1.98	1.98	1.98	2.09	2.10	2.10	2.10	2.10	2.22	2.22	2.23	2.23	2.23
	95°F (35.0°C)	TC	24716	24750	24776	24777	24811	26206	26237	26263	26268	26299	27771	27808	27839	27844	27875	29445	29477	29509	29513	29550
		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	2.14	2.15	2.15	2.15	2.15	2.27	2.27	2.28	2.28	2.28	2.41	2.41	2.41	2.41	2.42	2.55	2.55	2.56	2.56	2.56
	110°F (43.0°C)	TC	18518	18543	18563	18564	18589	19634	19658	19677	19681	19704	20807	20834	20858	20861	20885	22061	22085	22109	22112	22140
		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	2.08	2.08	2.08	2.08	2.08	2.20	2.20	2.21	2.21	2.21	2.33	2.34	2.34	2.34	2.34	2.47	2.48	2.48	2.48	2.48
	122°F (50.0°C)	TC	12411	12428	12441	12442	12459	13159	13175	13188	13190	13206	13945	13963	13979	13982	13997	14786	14802	14818	14820	14838
		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	1.60	1.60	1.60	1.60	1.60	1.69	1.70	1.70	1.70	1.70	1.80	1.80	1.80	1.80	1.80	1.90	1.91	1.91	1.91	1.91

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-09/NDHAS26BA-09-O	-22°F (-30.0°C)	5557	5445	5418	5397	5348	1.48	1.50	1.50	1.50	1.51
	-13°F (-25.0°C)	6746	6611	6578	6552	6493	1.58	1.60	1.60	1.60	1.61
	-4°F (-20.0°C)	8664	8491	8448	8414	8339	1.65	1.67	1.67	1.67	1.68
	5°F (-15.0°C)	12205	11961	11901	11853	11747	1.87	1.88	1.89	1.89	1.90
	17°F (-8.3°C)	13332	13065	13000	12948	12831	1.94	1.95	1.96	1.96	1.97
	35°F (1.7°C)	14451	14162	14092	14035	13909	1.84	1.85	1.85	1.86	1.87
	47°F (8.3°C)	16831	16494	16412	16346	16199	1.49	1.50	1.51	1.51	1.52
	64.4°F (18.0°C)	15561	15249	15173	15112	14976	1.00	1.01	1.01	1.01	1.01
NDHASHDBB-12/NDHAS26BA-12-O	-22°F (-30.0°C)	6858	6721	6688	6661	6601	1.46	1.47	1.47	1.47	1.48
	-13°F (-25.0°C)	8566	8395	8353	8319	8244	1.54	1.55	1.56	1.56	1.57
	-4°F (-20.0°C)	10431	10222	10171	10130	10039	1.63	1.64	1.65	1.65	1.66
	5°F (-15.0°C)	12306	12060	12000	11952	11844	1.79	1.80	1.80	1.81	1.81
	17°F (-8.3°C)	15624	15311	15235	15174	15037	1.86	1.88	1.88	1.88	1.89
	35°F (1.7°C)	14514	14224	14153	14096	13969	1.66	1.67	1.68	1.68	1.69
	47°F (8.3°C)	16897	16559	16477	16411	16263	1.40	1.41	1.42	1.42	1.42
	64.4°F (18.0°C)	17503	17153	17067	16999	16846	0.95	0.96	0.96	0.96	0.97
NDHASHDBB-18/NDHAS26BA-18-O	-22°F (-30.0°C)	9430	9242	9195	9159	9076	1.88	1.90	1.90	1.91	1.91
	-13°F (-25.0°C)	10665	10452	10400	10358	10265	1.90	1.92	1.92	1.93	1.93
	-4°F (-20.0°C)	15589	15277	15200	15140	15003	2.17	2.19	2.19	2.19	2.20
	5°F (-15.0°C)	19035	18655	18561	18487	18321	2.37	2.39	2.39	2.40	2.41
	17°F (-8.3°C)	20778	20362	20260	20179	19998	2.32	2.34	2.34	2.34	2.35
	35°F (1.7°C)	19291	18905	18810	18735	18566	1.90	1.92	1.92	1.93	1.93
	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
NDHASHDBB-24/NDHAS26BA-24-O	-22°F (-30.0°C)	11834	11597	11539	11493	11390	2.49	2.51	2.52	2.52	2.53
	-13°F (-25.0°C)	16009	15688	15610	15547	15408	2.68	2.71	2.71	2.72	2.73
	-4°F (-20.0°C)	19833	19436	19339	19262	19089	2.87	2.89	2.90	2.90	2.92
	5°F (-15.0°C)	25302	24796	24672	24573	24352	3.14	3.17	3.17	3.18	3.19
	17°F (-8.3°C)	24858	24361	24239	24142	23925	2.81	2.84	2.84	2.85	2.86
	35°F (1.7°C)	29466	28877	28732	28618	28360	2.84	2.86	2.87	2.87	2.89
	47°F (8.3°C)	32181	31538	31380	31255	30973	2.46	2.48	2.48	2.49	2.50
	64.4°F (18.0°C)	32300	31654	31496	31370	31088	1.77	1.78	1.79	1.79	1.80