TECHNICAL SPECIFICATIONS

ULTIMATE 26 SEER2
DUCTLESS HEAT PUMP SERIES

10 YEAR LIMITED WARRANTY
PARTS AND COMPRESSOR

R454B

ENERGY STAR



FEATURES

- **Very High Efficiency Rating**
  Delivers exceptional energy savings and performance, reducing utility costs.
- **Available Capacities**
  Choose from 9,000 BTU/h, 18,000 BTU/h, 24,000 BTU/h, and 33,000 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.
- **Intelligent Eye Technology**
  Automatically adjusts settings to optimize comfort while saving energy when the room is unoccupied
- **Efficient, Contemporary Indoor Units**
  Sleek, modern design that complements any interior while delivering top performance with auto restart and louver position memory.
- **Wi-Fi Kit Included**
  Enables remote control and monitoring for added convenience and flexibility, allowing management from anywhere.
- **User-Friendly Remote Control**
  Elegant design with easy access to Sleep Mode, LED light control, room temperature settings, on/off, and a "Follow Me" feature for personalized 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

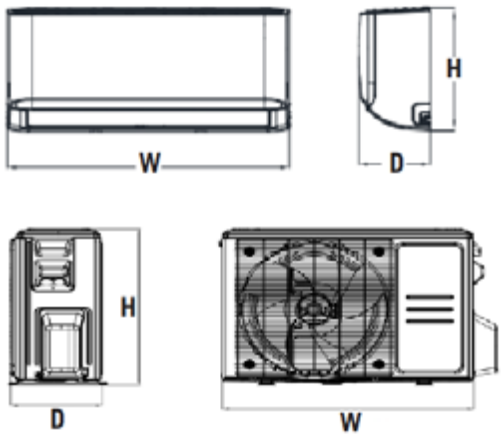
ULTIMATE 26 SEER2 DUCTLESS HEAT PUMP SERIES



										I
N	D	H	A	S	26	B	A	- 24	-	0
Brand	Configuration	Type (Heat Pump/ or Cool Only)	Sales Channel	Single/Multi	Efficiency	Refrigerant	Revision	Capacity in 000 BTU/h		Indoor/ Outdoor
N = Napoleon	*Ductless*	*Heat Pump*	*Distribution*	*Single*	*26 = 26 SEER2*	*B= R454B*	*A = Without Leak Sensor B = With Leak Sensor*	*9 or 12 or 18 or 24 or 33*		*I = Indoor O = Outdoor*

DUCTLESS SPECIFICATIONS

DIMENSIONS					
INDOOR UNIT INFORMATION	NDHAS26BA-09-I	NDHAS26BA-12-I	NDHAS26BA-18-I	NDHAS26BA-24-I	NDHAS26BA-33-I
Width (mm/in)	848.4/33.4	848.4/33.4	1017.4/40.06	1190/46.85	1190/46.85
Depth (mm/in)	233.2/9.18	233.2/9.18	248/9.72	285/11.2	285/11.2
Height (mm/in)	300/11.76	300/11.76	319/12.6	371/14.59	371/14.59
Net weight (lb/kg)	23.37/10.6	22.93/10.4	27.34/12.4	43.65/19.8	43.21/19.6
Gross weight (lb/kg)	29.98/13.6	29.32/13.3	36.6/16.6	55.56/25.2	55.78/25.3
OUTDOOR UNIT INFORMATION	NDHAS26BA-09-O	NDHAS26BA-12-O	NDHAS26BA-18-O	NDHAS26BA-24-O	NDHAS26BA-33-O
Width (mm/in)	805/31.69	805/31.69	890/35.04	946/37.24	946/37.24
Depth (mm/in)	330/12.99	330/12.99	342/13.46	410/16.14	410/16.14
Height (mm/in)	554/21.81	554/21.81	673/26.5	810/31.89	810/31.89
Net weight (lb/kg)	72.75/33	72.75/33	99.87/45.3	130.29/59.1	156.97/71.2
Gross weight (lb/kg)	78.7/35.7	78.7/35.7	107.8/48.9	141.31/64.1	167.99/76.,2



SYSTEM DATA					
	NDHAS26BA-09	NDHAS26BA-12	NDHAS26BA-18	NDHAS26BA-24	NDHAS26BA-33
	NDHAS26BA-09 Ductless Heat Pump - Shipped in 2 PCS. NDHAS26BA-09-I, NDHAS26BA-09-O	NDHAS26BA-12 Ductless Heat Pump - Shipped in 2 PCS. NDHAS26BA-12-I, NDHAS26BA-12-O	NDHAS26BA-18 Ductless Heat Pump - Shipped in 2 PCS. NDHAS26BA-18-I, NDHAS26BA-18-O	NDHAS26BA-24 Ductless Heat Pump - Shipped in 2 PCS. NDHAS26BA-24-I, NDHAS26BA-24-O	NDHAS26BA-33 Ductless Heat Pump - Shipped in 2 PCS. NDHAS26BA-33-I, NDHAS26BA-33-O
AHRI NUMBER	215931360	215931361	215931362	215931363	215931364
INDOOR SKU	NDHAS26BA-09-I	NDHAS26BA-12-I	NDHAS26BA-18-I	NDHAS26BA-24-I	NDHAS26BA-33-I
OUTDOOR SKU	NDHAS26BA-09-O	NDHAS26BA-12-O	NDHAS26BA-18-O	NDHAS26BA-24-O	NDHAS26BA-33-O
Cooling Capacity Rated BTU (Range)	9000 (3800~13500)	12000 (3800~14600)	18000 (8800~19400)	24000 (12600~27900)	33000(15000~37000)
Heating Capacity Rated BTU (Range)	12000 (3800~16000)	12000 (3800~16000)	18000 (11200~19500)	29000 (11800~29700)	36000(19700~37800)
SEER2	27.4	25.4	21.4	21	19.5
HSPF2 (REGION IV)	12.5	10.5	11.0	13.5	10.5
EER2	15.4	13.4	12.5	13	12
HSPF2 (REGION V)	9.5	8	8.5	9.8	8.6
Dehumidify (L/h)	0.3	1.2	9.1	2.7	4.2
Voltage	208/230V,1Ph,60Hz	208/230V,1Ph,60Hz	208/230V,1Ph,60Hz	208/230V,1Ph,60Hz	208/230V,1Ph,60Hz
Indoor noise level (Hi/Mi/Lo) dBA	38/33/20.5	36.5/32.5/22	45/38/31.5	43.5/38.5/27	53.0/46.5/35.5
Outdoor noise level dBA	56	56	59	61.5	63.5
Compressor & Parts Limited Warranty	10 years	10 years	10 years	10 years	10 years
Max. refrigerant pipe length (m)	25	25	30	50	50
Max. refrigerant pipe length (ft)	82	82	98.4	164	164
Max. difference in elevation (m)	15	15	20	25	25
Max. difference in elevation (ft)	49.2	49.2	65.6	82	82
Refrigeration GAS PIPE (mm/inch)	9.52mm(3/8in)	9.52mm(3/8in)	12.7mm(1/2in)	15.9mm(5/8in)	19mm(3/4in)
Refrigeration LIQUID PIPE (mm/in)	6.35mm(1/4in)	6.35mm(1/4in)	6.35mm(1/4in)	9.52mm(3/8in)	9.52mm(3/8in)
Heating at 17ºF (-8.33ºC) BTU	12800	12800	19200.0	25000	30200
Heating at 5ºF (-15ºC) BTU	11500	11500	18000	24200	35000
Heating at 5ºF (-15ºC) COP	1.8	1.8	1.92	2.34	1.98
Connection Wiring	14AWG*4 Stranded, unshielded	14AWG*4 Stranded, unshielded	14AWG*4 Stranded, unshielded	14AWG*4 Stranded, unshielded	14AWG*4 Stranded, unshielded
Refridgerant Gas (oz/kg)	R454B 35.27/1	R454B 35.27/1	R454B 55.38/1.57	R454B 63.49/1.8	R454B 2.47/87.13
Additional charge per metre (oz/ft)(g/m)	0.16/15	0.16/15	0.16/15	0.32/30	0.32/30
Compressor	Rotary	Rotary	Rotary	Rotary	Rotary
MAX FUSE (A)	15	15	20	25	35
Minimum Circuit Capacity	15	15	19	24.9	34
Rated Cooling Current (A)	4.1	4	6.4	8.3	12.7
Rated Heating Current (A)	4.1	4.1	7.2	11	13.7
Indoor air flow (Hi/Mi/Lo) CFM	323.7/229.6/176.6	323.7/229.6/176.6	500.3/359/294.3	618/412/317.8	735.8 / 600.4 / 423.8
Outdoor air flow CFM	1470.6	1470.6	1764.7	2235.3	2235.3
Indoor(cooling/ heating)	-30ºC (-22ºF) to 50ºC (122ºF) / -30ºC (-22ºF) to 24ºC (75ºF)	-30ºC (-22ºF) to 50ºC (122ºF) / -30ºC (-22ºF) to 24ºC (75ºF)	-30ºC (-22ºF) to 50ºC (122ºF) / -30ºC (-22ºF) to 24ºC (75ºF)	-30ºC (-22ºF) to 50ºC (122ºF) / -30ºC (-22ºF) to 24ºC (75ºF)	-30ºC (-22ºF) to 50ºC (122ºF) / -30ºC (-22ºF) to 24ºC (75ºF)
Outdoor(cooling/heating)	16ºC (60.8ºF) to 32ºC (89.6ºF) / 0ºC (32ºF) to 30ºC (86ºF)	16ºC (60.8ºF) to 32ºC (89.6ºF) / 0ºC (32ºF) to 30ºC (86ºF)	16ºC (60.8ºF) to 32ºC (89.6ºF) / 0ºC (32ºF) to 30ºC (86ºF)	16ºC (60.8ºF) to 32ºC (89.6ºF) / 0ºC (32ºF) to 30ºC (86ºF)	16ºC (60.8ºF) to 32ºC (89.6ºF) / 0ºC (32ºF) to 30ºC (86ºF)

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)
NDHAS26BA-09-I/NDHAS26BA-09-O																					
5°F (-15.0°C)	TC	10799	10814	10825	10826	10840	11450	11463	11475	11477	11491	12134	12150	12163	12166	12179	12865	12879	12893	12895	12911
	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	0.35	0.35	0.35	0.35	0.35	0.37	0.37	0.38	0.38	0.38	0.40	0.40	0.40	0.40	0.40	0.42	0.42	0.42	0.42	0.42
17°F (-8.3°C)	TC	11005	11020	11032	11033	11048	11669	11683	11694	11696	11710	12366	12382	12396	12398	12412	13111	13125	13139	13141	13158
	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	0.37	0.37	0.37	0.37	0.37	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
35°F (1.7°C)	TC	11842	11858	11871	11872	11888	12556	12571	12583	12586	12601	13306	13323	13338	13341	13356	14108	14123	14139	14141	14158
	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	0.50	0.50	0.50	0.50	0.50	0.53	0.53	0.53	0.53	0.53	0.56	0.57	0.57	0.57	0.57	0.60	0.60	0.60	0.60	0.60
47°F (8.3°C)	TC	11620	11636	11648	11649	11664	12320	12335	12347	12349	12364	13056	13073	13088	13090	13105	13843	13858	13873	13875	13892
	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	0.49	0.49	0.49	0.49	0.49	0.52	0.52	0.52	0.52	0.52	0.55	0.55	0.55	0.55	0.55	0.58	0.58	0.59	0.59	0.59
82°F (27.8°C)	TC	12502	12518	12532	12533	12549	13255	13271	13284	13286	13302	14047	14065	14081	14084	14099	14893	14910	14926	14928	14947
	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	0.59	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
95°F (35.0°C)	TC	11620	11635	11648	11649	11664	12320	12335	12347	12349	12364	13056	13073	13088	13090	13105	13843	13858	13873	13875	13892
	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	1.02	1.02	1.02	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
110°F (43.0°C)	TC	9957	9970	9981	9982	9995	10557	10570	10580	10582	10595	11188	11202	11215	11217	11230	11862	11875	11888	11890	11904
	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	0.99	0.99	0.99	0.99	1.00	1.05	1.05	1.05	1.05	1.06	1.11	1.12	1.12	1.12	1.12	1.18	1.18	1.18	1.18	1.19
122°F (50.0°C)	TC	6612	6621	6628	6628	6637	7010	7019	7026	7027	7035	7429	7439	7447	7448	7457	7877	7885	7894	7895	7905
	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	0.58	0.58	0.59	0.59	0.59	0.62	0.62	0.62	0.62	0.62	0.66	0.66	0.66	0.66	0.66	0.70	0.70	0.70	0.70	0.70
NDHAS26BA-12-I/NDHAS26BA-12-O																					
5°F (-15.0°C)	TC	11363	11378	11391	11391	11406	12048	12062	12074	12076	12091	12768	12784	12798	12801	12815	13537	13552	13566	13568	13585
	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	0.56	0.57	0.57	0.57	0.57	0.60	0.60	0.60	0.60	0.60	0.63	0.64	0.64	0.64	0.64	0.67	0.67	0.67	0.67	0.68
17°F (-8.3°C)	TC	12514	12531	12544	12545	12562	13268	13284	13297	13300	13316	14061	14079	14095	14098	14113	14908	14924	14941	14943	14962
	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	0.62	0.62	0.62	0.62	0.62
35°F (1.7°C)	TC	10830	10844	10856	10857	10871	11483	11496	11507	11510	11523	12169	12184	12198	12200	12214	12902	12916	12930	12932	12948
	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	0.62	0.62	0.62	0.62	0.62	0.66	0.66	0.66	0.66	0.66	0.70	0.70	0.70	0.70	0.70
47°F (8.3°C)	TC	10760	10775	10786	10787	10801	11409	11422	11433	11436	11449	12090	12106	12119	12122	12135	12819	12833	12847	12849	12865
	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	0.61	0.61	0.61	0.61	0.61	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
82°F (27.8°C)	TC	13157	13175	13189	13190	13207	13950	13967	13980	13983	14000	14784	14803	14819	14822	14839	15674	15691	15708	15711	15730
	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	0.66	0.66	0.66	0.66	0.66	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
95°F (35.0°C)	TC	11620	11635	11648	11649	11664	12320	12335	12347	12349	12364	13056	13073	13088	13090	13105	13843	13858	13873	13875	13892
	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	1.02	1.02	1.02	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
110°F (43.0°C)	TC	10827	10841	10853	10854	10868	11479	11493	11504	11507	11520	12165	12181	12194	12197	12210	12898	12912	12926	12928	12944
	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	1.11	1.12	1.12	1.12	1.12	1.18	1.18	1.18	1.18	1.19	1.25	1.25	1.26	1.26	1.26	1.33	1.33	1.33	1.33	1.33
122°F (50.0°C)	TC	5762	5770	5776	5776	5784	6109	6116	6122	6123	6131	6474	6482	6490	6491	6498	6864	6872	6879	6880	6889
	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	0.60	0.60	0.60	0.60	0.60	0.63	0.63	0.63	0.64	0.64	0.67	0.67	0.67	0.67	0.67	0.71	0.71	0.71	0.71	0.71
NDHAS26BA-18-I/NDHAS26BA-18-O																					
5°F (-15.0°C)	TC	16907	16929	16948	16948	16971	17926	17947	17965	17968	17989	18996	19021	19042	19046	19067	20141	20163	20185	20188	20213
	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	0.67	0.67	0.67	0.67	0.68	0.71	0.71	0.72	0.72	0.72	0.76	0.76	0.76	0.76	0.76	0.80	0.80	0.80	0.80	0.80
17°F (-8.3°C)	TC	17834	17858	17877	17878	17902	18908	18931	18949	18953	18976	20038	20064	20086	20090	20113	21245	21268	21292	21295	21321
	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	0.65	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
35°F (1.7°C)	TC	18564	18589	18609	18610	18635	19682	19706	19725	19729	19753	20858	20885	20909	20913	20936	22115	22139	22163	22167	22194
	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	0.68	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	0.81	0.81	0.81	0.81
47°F (8.3°C)	TC	18076	18100	18120	18121	18145	19165	19188	19207	19211	19234	20310	20337	20359	20363	20386	21534	21558	21581	21584	21611
	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	0.78	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
82°F (27.8°C)	TC	19811	19838	19860	19860	19887	21005	21030	21051	21055	21080	22260	22289	22314	22318	22343	23602	23627	23653	23657	23686
	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	1.08	1.08	1.08	1.08	1.08	1.14	1.14	1.15	1.15	1.15	1.21	1.21	1.21	1.21	1.22	1.28	1.29	1.29	1.29	1.29
95°F (35.0°C)	TC	17110	17133	17151	17152	17175	18141	18162	18180	18184	18205	19225	19250	19271	19275	19296	20383	20405	20427	20430	20456
	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	1.49	1.49	1.49	1.49	1.49	1.58	1.58	1.58	1.58	1.58	1.67	1.67	1.68	1.68	1.68	1.77	1.77	1.78	1.78	1.78
110°F (43.0°C)	TC	13135	13153	13167	13168	13185	13927	13943	13957	13960	13976	14759	14778	14794	14797	14814	15648	15665	15682	15685	15704
	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	1.37	1.44	1.44	1.45	1.45	1.45	1.53	1.53	1.53	1.53	1.53	1.62	1.62	1.62	1.62	1.63
122°F (50.0°C)	TC	9402	9415	9425	9425	9438	9969	9980	9990	9992	10004	10564	10578	10590	10592	10604	11201	11213	11225	11227	11241
	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	1.31	1.32	1.32	1.32	1.32	1.39	1.39	1.40	1.40	1.40	1.48	1.48	1.48	1.48	1.48	1.56	1.57	1.57	1.57	1.57

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)
NDHAS26BA-24-I/NDHAS26BA-24-O	5°F (-15.0°C)	TC	23865	23897	23923	23924	23956	25303	25333	25358	25363	25393	26815	26850	26880	26885	26915	28431	28462	28493	28497	28532
		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	1.30	1.30	1.30	1.30	1.30	1.37	1.38	1.38	1.38	1.38	1.46	1.46	1.46	1.46	1.46	1.54	1.54	1.55	1.55	1.55
	17°F (-8.3°C)	TC	27146	27182	27212	27213	27249	28782	28816	28844	28850	28884	30501	30541	30575	30581	30615	32339	32374	32409	32414	32455
		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	20684	20712	20734	20735	20763	21931	21957	21978	21983	22009	23241	23271	23297	23301	23327	24641	24668	24695	24699	24730
		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	0.85	0.85	0.86	0.86	0.86	0.91	0.91	0.91	0.91	0.91	0.96	0.96	0.96	0.96	0.96	1.02	1.02	1.02	1.02	1.02
	47°F (8.3°C)	TC	28836	28875	28906	28907	28946	30574	30610	30640	30646	30683	32401	32443	32479	32485	32521	34353	34390	34428	34433	34476
		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	1.39	1.39	1.39	1.39	1.39	1.47	1.47	1.47	1.48	1.48	1.56	1.56	1.56	1.56	1.57	1.65	1.66	1.66	1.66	1.66
	82°F (27.8°C)	TC	27885	27923	27953	27954	27992	29566	29601	29630	29636	29671	31332	31373	31408	31414	31449	33220	33256	33292	33298	33339
		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	1.74	1.74	1.74	1.74	1.74	1.84	1.84	1.85	1.85	1.85	1.95	1.95	1.96	1.96	1.96	2.07	2.07	2.07	2.07	2.08
	95°F (35.0°C)	TC	24762	24795	24822	24823	24856	26254	26285	26311	26316	26347	27822	27859	27890	27895	27926	29499	29531	29563	29568	29604
		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	2.03	2.03	2.03	2.03	2.03	2.15	2.15	2.15	2.15	2.16	2.28	2.28	2.28	2.28	2.28	2.41	2.42	2.42	2.42	2.42
	110°F (43.0°C)	TC	20654	20682	20704	20705	20733	21899	21925	21946	21951	21977	23207	23237	23263	23267	23293	24605	24632	24659	24663	24693
		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	2.02	2.02	2.02	2.02	2.02	2.14	2.14	2.14	2.14	2.15	2.27	2.27	2.27	2.27	2.27	2.40	2.40	2.41	2.41	2.41
	122°F (50.0°C)	TC	11796	11812	11825	11825	11841	12507	12522	12534	12537	12552	13254	13272	13286	13289	13304	14053	14068	14084	14086	14103
		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	1.48	1.48	1.48	1.48	1.48	1.56	1.57	1.57	1.57	1.57	1.66	1.66	1.66	1.66	1.66	1.76	1.76	1.76	1.76	1.76
NDHAS26BA-33-I/NDHAS26BA-33-O	5°F (-15.0°C)	TC	30791	30833	30866	30867	30909	32647	32685	32718	32724	32763	34597	34642	34681	34687	34726	36682	36722	36762	36767	36813
		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	2.31	2.32	2.32	2.32	2.32	2.45	2.45	2.46	2.46	2.46	2.60	2.60	2.60	2.60	2.61	2.75	2.76	2.76	2.76	2.76
	17°F (-8.3°C)	TC	31601	31644	31678	31679	31722	33505	33545	33578	33585	33625	35507	35553	35593	35600	35639	37647	37688	37729	37734	37781
		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	2.26	2.26	2.27	2.27	2.27	2.40	2.40	2.40	2.40	2.41	2.54	2.54	2.55	2.55	2.55	2.69	2.70	2.70	2.70	2.70
	35°F (1.7°C)	TC	36089	36137	36176	36178	36227	38264	38309	38347	38355	38400	40550	40603	40648	40655	40701	42993	43040	43087	43093	43147
		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	1.51	1.51	1.51	1.51	1.51	1.60	1.60	1.60	1.60	1.60	1.69	1.70	1.70	1.70	1.70	1.79	1.80	1.80	1.80	1.80
	47°F (8.3°C)	TC	38173	38224	38265	38267	38318	40473	40521	40561	40569	40617	42891	42947	42995	43003	43051	45475	45525	45574	45581	45638
		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	1.56	1.57	1.57	1.57	1.57	1.66	1.66	1.66	1.66	1.66	1.76	1.76	1.76	1.76	1.76
	82°F (27.8°C)	TC	35257	35305	35343	35345	35392	37382	37427	37464	37471	37515	39616	39667	39711	39719	39763	42003	42048	42094	42101	42153
		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	2.06	2.07	2.07	2.07	2.07	2.19	2.19	2.19	2.19	2.20	2.32	2.32	2.33	2.33	2.33	2.46	2.46	2.46	2.46	2.47
	95°F (35.0°C)	TC	32838	32882	32917	32919	32963	34817	34858	34893	34899	34941	36897	36945	36986	36993	37034	39120	39163	39205	39211	39260
		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	3.07	3.07	3.07	3.07	3.08	3.25	3.26	3.26	3.26	3.26	3.45	3.45	3.45	3.45	3.46	3.65	3.66	3.66	3.66	3.67
	110°F (43.0°C)	TC	29206	29245	29277	29278	29317	30966	31002	31033	31039	31076	32816	32858	32895	32901	32938	34793	34831	34869	34874	34918
		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	3.52	3.53	3.53	3.53	3.54	3.73	3.74	3.74	3.74	3.75	3.96	3.96	3.97	3.97	3.97	4.20	4.20	4.21	4.21	4.21
	122°F (50.0°C)	TC	19136	19162	19183	19183	19209	20289	20314	20334	20338	20362	21502	21530	21554	21558	21582	22797	22822	22847	22850	22879
		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	2.61	2.62	2.62	2.62	2.62	2.77	2.77	2.78	2.78	2.78	2.94	2.94	2.94	2.94	2.95	3.11	3.12	3.12	3.12	3.13

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)
NDHAS26BA-09-I/NDHAS26BA-09-O	-22°F(-30.0°C)	5238	5133	5107	5087	5041	1.34	1.35	1.35	1.35	1.36
	-13°F(-25.0°C)	6157	6034	6004	5980	5926	1.43	1.44	1.44	1.45	1.45
	-4°F(-20.0°C)	8287	8121	8080	8048	7976	1.57	1.59	1.59	1.59	1.60
	5°F(-15.0°C)	11961	11722	11663	11617	11512	1.69	1.71	1.71	1.71	1.72
	17°F(-8.3°C)	12402	12154	12093	12045	11937	1.60	1.62	1.62	1.62	1.63
	35°F(1.7°C)	14541	14251	14179	14123	13995	1.58	1.60	1.60	1.60	1.61
	47°F(8.3°C)	16562	16231	16149	16085	15940	1.35	1.36	1.36	1.37	1.37
	64.4°F(18.0°C)	14137	13854	13785	13730	13606	0.89	0.89	0.90	0.90	0.90
NDHAS26BA-12-I/NDHAS26BA-12-O	-22°F(-30.0°C)	6438	6310	6278	6253	6197	1.43	1.45	1.45	1.45	1.46
	-13°F(-25.0°C)	7768	7613	7575	7544	7476	1.55	1.56	1.56	1.57	1.57
	-4°F(-20.0°C)	9497	9307	9260	9223	9140	1.68	1.69	1.70	1.70	1.71
	5°F(-15.0°C)	11642	11409	11352	11306	11205	1.71	1.72	1.73	1.73	1.74
	17°F(-8.3°C)	13234	12969	12904	12852	12737	2.14	2.15	2.16	2.16	2.17
	35°F(1.7°C)	15607	15295	15218	15157	15021	2.08	2.10	2.10	2.11	2.11
	47°F(8.3°C)	16488	16158	16077	16013	15869	1.39	1.41	1.41	1.41	1.42
	64.4°F(18.0°C)	14137	13854	13785	13730	13606	0.89	0.89	0.90	0.90	0.90
NDHAS26BA-18-I/NDHAS26BA-18-O	-22°F(-30.0°C)	9595	9403	9356	9318	9234	1.91	1.93	1.93	1.93	1.94
	-13°F(-25.0°C)	12082	11841	11782	11735	11629	0.00	0.00	0.00	0.00	0.00
	-4°F(-20.0°C)	15435	15126	15050	14990	14855	0.00	0.00	0.00	0.00	0.00
	5°F(-15.0°C)	18626	18253	18162	18089	17927	2.16	2.17	2.18	2.18	2.19
	17°F(-8.3°C)	18475	18106	18015	17943	17782	2.49	2.51	2.51	2.52	2.53
	35°F(1.7°C)	18227	17862	17773	17702	17543	2.03	2.05	2.05	2.06	2.06
	47°F(8.3°C)	20774	20359	20257	20176	19994	1.85	1.87	1.87	1.88	1.88
	64.4°F(18.0°C)	18237	17872	17783	17711	17552	1.09	1.10	1.10	1.10	1.11
NDHAS26BA-24-I/NDHAS26BA-24-O	-22°F(-30.0°C)	13878	13600	13532	13478	13357	2.51	2.53	2.53	2.54	2.55
	-13°F(-25.0°C)	16855	16518	16436	16370	16223	2.69	2.71	2.72	2.72	2.73
	-4°F(-20.0°C)	21005	20585	20482	20400	20217	2.75	2.77	2.78	2.78	2.79
	5°F(-15.0°C)	25442	24933	24809	24709	24487	2.99	3.02	3.02	3.03	3.04
	17°F(-8.3°C)	26198	25674	25546	25443	25214	3.06	3.08	3.09	3.10	3.11
	35°F(1.7°C)	30957	30338	30186	30065	29795	3.06	3.08	3.09	3.10	3.11
	47°F(8.3°C)	30470	29861	29712	29593	29327	2.42	2.44	2.44	2.45	2.46
	64.4°F(18.0°C)	28392	27824	27685	27574	27326	1.78	1.80	1.80	1.81	1.81
NDHAS26BA-33-I/NDHAS26BA-33-O	-22°F(-30.0°C)	20344	19937	19838	19758	19580	4.30	4.34	4.35	4.36	4.37
	-13°F(-25.0°C)	24414	23926	23806	23711	23497	4.52	4.55	4.56	4.57	4.59
	-4°F(-20.0°C)	29923	29324	29178	29061	28799	4.72	4.75	4.76	4.77	4.79
	5°F(-15.0°C)	34722	34027	33857	33722	33418	5.16	5.20	5.22	5.23	5.25
	17°F(-8.3°C)	30995	30375	30223	30103	29832	4.34	4.37	4.38	4.39	4.41
	35°F(1.7°C)	34624	33931	33762	33627	33324	4.29	4.33	4.34	4.34	4.36
	47°F(8.3°C)	38805	38029	37839	37688	37349	3.93	3.96	3.97	3.98	3.99
	64.4°F(18.0°C)	28896	28318	28176	28064	27811	1.59	1.60	1.61	1.61	1.61