NAE-28 Series Air Conditioner
Technical Data Sheet

- Variable speed compressor with Intelligent capacity matching inverter control
- Water boost mode for increased efficiency
- IoT connectivity for setup, diagnostics and charging
- Compressor sound blanket
- Designed and approved for R454B refrigerant
- Lineset installation up to 150ft
- Front seated service valves
- Filter drier included (field installed)
- Sound level as low as 55 dBA
- Compatible with 24V thermostats
- Specially coated microchannel coil
- Certified design according to the latest edition of UL 60335-2-40

AHRI CERTIFIED® www.ahridirectory.org
Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

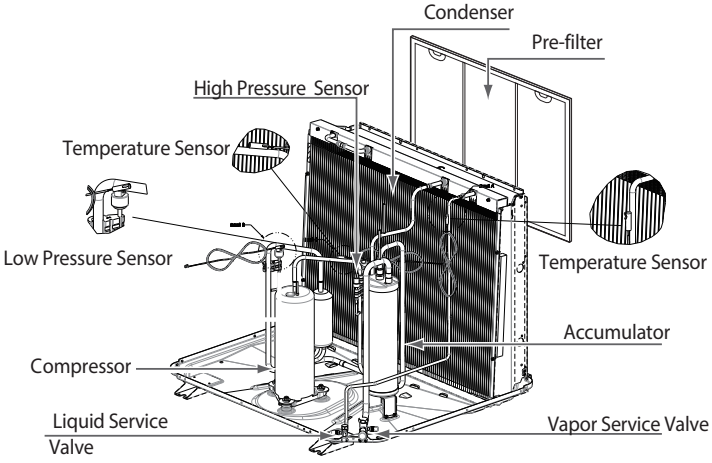
Intertek

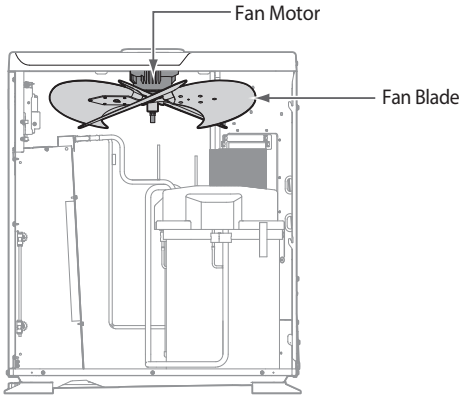
NOMENCLATURE

MODEL NUMBER NOMENCLATURE										
	N	A	E	28	V	36	2	2	A	1
	I	II	III	IV	V	VI	VII	VIII	IX	X
I	**Brand** N = Navien									
II	**Business Unit** A = Air									
III	**Product** E = A/C Evaporation Assist									
IV	**Nominal Eifficiency** 28 = 28 SEER2*									
V	**Type** V = Variable Capacity									
VI	**Nominal Capacity** 36 = 36,000 Btu/h 60 = 60,000 Btu/h									
VII	**Refrigerant** 1 = R410A 2 = R454B									
VIII	**Electrical** 2 = 208/230V , 1PH									
IX	**Major Revision Level**									
X	**Minor Revision Level**									

*Performance based on Navien internal testing. Not an industry-certified rating. Results may vary by installation and conditions.

COMPONENTS





NAE-28 Series Air Conditioner

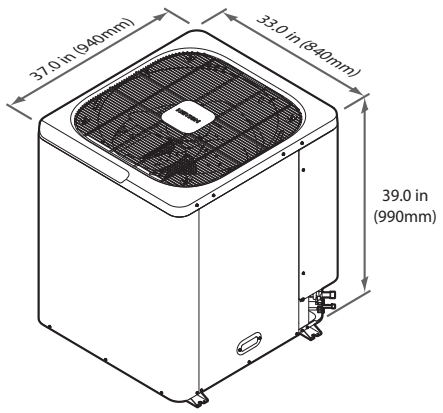
Technical Data Sheet

SPECIFICATIONS/DIMENSIONS

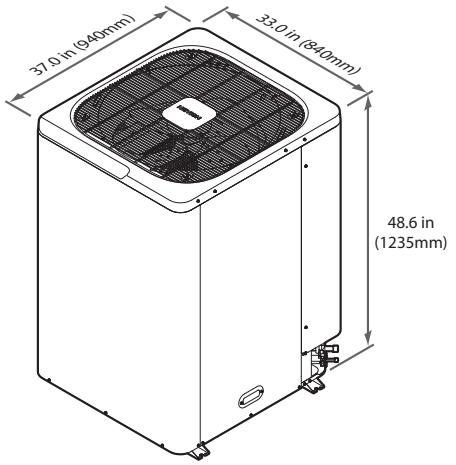
	Units	NAE28V36				NAE28V60			
Operating Conditions	-	**Hydro**	**Air**	**Hydro**	**Air**	**Hydro**	**Air**	**Hydro**	**Air**
Cooling Capacity	BTU/h	24K		36K		48K		60K	
Maximum Water Rate	GPM (LPM)	0.09 (0.35)	-	0.09 (0.35)	-	0.12 (0.46)	-	0.12 (0.46)	-
Sound Rating Level	dBA	63	73	63	73	67	75	67	75
Size (WxDxH)	in (mm)	33.0 x 37.0 x 39.0 (840 x 940 x 990)				33.0 x 37.0 x 48.6 (840 x 940 x 1235)			
Compressor	Type	Variable Speed Rotary							
	Maximum Rated Current (MRC)	25				35			
Fan Motor	Rated current (MOC)	1.0				1.0			
	Maximum Speed	800				900			
	Motor HP	1/3				1/3			
Refrigerant	Type	R454B							
	Charge lb (kg)	5.29 (2.4)				6.6 (3.0)			
Valve Connection	Vapor line OD in (mm)	3/4 (19.05)				7/8 (22.2)			
	Liquid line OD in (mm)	3/8 (9.52)							
Water Connection	Type	Fitting - Quick Connect							
	Size in (mm)	1/4 (6.35)							
Drain	in (mm)	3/4 (19.05)							
Electrical Data	V-PH-HZ	230-1-60							
	Ampacity (MCA)	15				25			
	Max. Overcurrent Protection	25				40			
	Min/Max Volts (V)	197/253							
Operating Temperature	°F (°C)	55-126 (12.7-52)							

Note: Maximum allowable lineset length is 150 ft
Maximum allowable vertical lift length is 50 ft

NAE28V36



NAE28V60



HYDRO-BOOST EFFICIENCY

		NAE28V36				NAE28V60			
Operating Conditions	-	**Water Spray**	**Dry**	**Water Spray**	**Dry**	**Water Spray**	**Dry**	**Water Spray**	**Dry**
Cooling Capacity	BTU/h	22,600		31,400		43,000		52,500	
Efficiency	SEER2	27*	16	27*	16.5	30*	18	28*	17.5

*Performance based on Navien internal testing. Not an industry-certified rating. Results may vary by installation and conditions.

SOUND POWER DATA

Operating Conditions		Hydro	Air	Hydro	Air	Hydro	Air	Hydro	Air
Nominal Capacity [BTUh]		24K		36K		48K		60K	
Sound Rating Level [dBA]	Low	55	60	55	61	56	59	57	63
	High	63	73	63	73	67	75	67	75

NOTE: Tested by a 3rd party laboratory in accordance with AHRI Standard 270-2015 (not listed in AHRI)

NAE-28 Series Air Conditioner
Technical Data Sheet

AHRI 210/240 Performance Data

Indoor System Type	Nominal Ton	AHRI Ref. #	Outdoor Model No.	Indoor Unit Model No.	Furnace Model No.	Cooling Capacity (95°F), BTU/h	EER2[1]	SEER2[2]
Variable Speed Air Handler	2T	217627695	NAE28V3622A1	NASV24B2T2A1	-	22600	11.30	16.00
	3T	217627705	NAE28V3622A1	NASV36C2T2A1	-	31400	10.60	16.50
	4T	217627717	NAE28V3622A1	NASV48D2T2A1	-	32200	11.70	18.00
	4T	217627718	NAE28V6022A1	NASV48D2T2A1	-	43000	12.00	18.00
	5T	217627724	NAE28V6022A1	NASV59D2T2A1	-	52500	10.20	17.00
NPF Furnace + Cased Coil	2T	217627698	NAE28V3622A1	NAM24B2TA1	NPF700-060U3BH	23000	10.80	16.50
	2T	217627700	NAE28V3622A1	NAM24B2TA1	NPF700-060H3BH	23000	10.80	16.50
	2T	218361384	NAE28V3622A1	NAM24B2TA1	NPF700-060D5CH	23000	11.00	15.80
	2T	217627701	NAE28V3622A1	NAM24B2TA1	NPF700-080U3BH	23000	10.80	16.50
	2T	217627703	NAE28V3622A1	NAM24B2TA1	NPF700-080H3BH	23000	10.80	16.50
	2T	218361385	NAE28V3622A1	NAM24B2TA1	NPF700-080D5CH	23000	11.00	15.80
	3T	217627706	NAE28V3622A1	NAM36B2TA1	NPF700-060U3BH	31400	10.30	16.00
	3T	217627708	NAE28V3622A1	NAM36B2TA1	NPF700-060H3BH	31400	10.30	16.00
	3T	218361382	NAE28V3622A1	NAM36B2TA1	NPF700-060D5CH	31000	9.80	16.00
	3T	217627710	NAE28V3622A1	NAM36B2TA1	NPF700-080U3BH	31400	10.30	16.00
	3T	217627711	NAE28V3622A1	NAM36B2TA1	NPF700-080H3BH	31400	10.30	16.00
	3T	218361383	NAE28V3622A1	NAM36B2TA1	NPF700-080D5CH	31000	9.80	16.00
	3T	218361375	NAE28V3622A1	NAM36C2TA1	NPF700-060U5CH	31400	10.00	15.50
	3T	218361377	NAE28V3622A1	NAM36C2TA1	NPF700-060H5CH	31000	9.80	15.20
	3T	218361376	NAE28V3622A1	NAM36C2TA1	NPF700-060D5CH	31000	9.80	16.00
	3T	218361378	NAE28V3622A1	NAM36C2TA1	NPF700-080U5CH	31400	10.00	15.50
	3T	218361380	NAE28V3622A1	NAM36C2TA1	NPF700-080H5CH	31000	9.80	15.20
	3T	218361379	NAE28V3622A1	NAM36C2TA1	NPF700-080D5CH	31000	9.80	16.00
	3T	217627713	NAE28V3622A1	NAM36C2TA1	NPF700-100U5CH	31400	10.30	16.50
	3T	217627715	NAE28V3622A1	NAM36C2TA1	NPF700-100H5CH	31200	10.00	16.10
	3T	218361386	NAE28V3622A1	NAM36C2TA1	NPF700-100D5CH	31000	9.80	15.60
	3T	218361387	NAE28V3622A1	NAM48C2TA1	NPF700-100U5CH	32600	10.80	16.50
	3T	218361388	NAE28V3622A1	NAM48C2TA1	NPF700-100H5CH	31800	10.50	16.20
	3T	218361389	NAE28V3622A1	NAM48C2TA1	NPF700-100D5CH	32600	10.80	16.50
	3T	218361390	NAE28V3622A1	NAM59C2TA1	NPF700-100U5CH	32600	10.80	16.50
	3T	218361391	NAE28V3622A1	NAM59C2TA1	NPF700-100H5CH	31800	10.50	16.20
	3T	218361392	NAE28V3622A1	NAM59C2TA1	NPF700-100D5CH	32600	10.80	16.50
	4T	217627722	NAE28V6022A1	NAM48C2TA1	NPF700-100U5CH	43000	10.80	16.50
	4T	217627720	NAE28V6022A1	NAM48C2TA1	NPF700-100H5CH	42000	10.50	16.00
	4T	218361374	NAE28V6022A1	NAM48C2TA1	NPF700-100D5CH	42000	10.50	16.00
	5T	217627725	NAE28V6022A1	NAM59C2TA1	NPF700-100U5CH	50500	9.80	16.00
	5T	217627727	NAE28V6022A1	NAM59C2TA1	NPF700-100H5CH	50000	9.80	15.50
	5T	218361373	NAE28V6022A1	NAM59C2TA1	NPF700-100D5CH	50000	9.80	15.20
	5T	218361370	NAE28V6022A1	NAM59D2TA1	NPF700-100U5CH	50500	9.80	15.50
	5T	218361371	NAE28V6022A1	NAM59D2TA1	NPF700-100H5CH	50000	9.80	15.20
	5T	218361372	NAE28V6022A1	NAM59D2TA1	NPF700-100D5CH	50500	9.80	15.50

Performance data subject to change. Check www.ahridirectory.org for latest information.

[1] Energy Efficiency Ratio; Certified per AHRI 210/240

[2] Seasonal Energy Efficiency Ratio; Certified per AHRI 210/240

NAE-28 Series Air Conditioner

Technical Data Sheet

EXTENDED RANGE COOL CAPACITIES

NAE28V3622A1+ NASV24B2T2A1 (2 Ton Cooling) **NORMAL** Mode

ID Airflow	OD DB	ID WB (°F)	59				63				67				71			
(SCFM)	(°F)	ID DB (°F)	70	75	80	85	70	75	80	85	70	75	80	85	70	75	80	85
560	65	TC	22.8	22.5	22.3	22.1	24.8	24.5	24.3	24.1	26.8	26.5	26.3	26.1	-	28.6	28.4	28.2
		S/T	0.76	0.91	1.0	1.0	0.58	0.73	0.89	1.0	0.42	0.56	0.71	0.86	-	0.42	0.52	0.67
		kW	1.28	1.29	1.30	1.31	1.29	1.30	1.31	1.31	1.30	1.30	1.31	1.32	-	1.31	1.32	1.33
	75	TC	21.5	21.3	21.1	20.8	23.5	23.3	23.1	22.8	25.6	25.3	25.1	24.8	-	27.4	27.2	26.9
		S/T	0.76	0.92	1.0	1.0	0.59	0.74	0.89	1.0	0.42	0.56	0.72	0.86	-	0.42	0.53	0.68
		kW	1.46	1.47	1.48	1.49	1.47	1.48	1.49	1.49	1.47	1.48	1.49	1.50	-	1.49	1.50	1.50
	85	TC	20.3	20.1	19.8	19.6	22.3	22.1	21.9	21.6	24.3	24.1	23.9	23.6	-	26.2	26.0	25.7
		S/T	0.77	0.92	1.0	1.0	0.59	0.75	0.90	1.0	0.42	0.57	0.72	0.87	-	0.42	0.54	0.69
		kW	1.64	1.65	1.66	1.66	1.65	1.65	1.66	1.67	1.65	1.66	1.67	1.68	-	1.67	1.67	1.68
	95	TC	19.1	18.9	18.6	18.4	21.1	20.9	20.6	20.4	23.1	22.9	22.6	22.4	-	25.0	24.7	24.5
		S/T	0.78	0.93	1.0	1.0	0.60	0.75	0.91	1.0	0.42	0.58	0.73	0.88	-	0.42	0.55	0.69
		kW	1.82	1.83	1.84	1.84	1.83	1.83	1.84	1.85	1.83	1.84	1.85	1.86	-	1.84	1.85	1.86
	105	TC	17.9	17.6	17.4	17.1	19.9	19.6	19.4	19.2	21.9	21.6	21.4	21.2	-	23.7	23.5	23.3
		S/T	0.79	0.94	1.0	1.0	0.61	0.76	0.91	1.0	0.43	0.58	0.74	0.89	-	0.42	0.55	0.70
		kW	2.00	2.01	2.02	2.02	2.01	2.01	2.02	2.03	2.01	2.02	2.03	2.03	-	2.02	2.03	2.04
	115	TC	16.7	16.4	16.2	15.9	18.7	18.4	18.2	17.9	20.7	20.4	20.2	19.9	-	22.5	22.3	22.0
		S/T	0.79	0.95	1.0	1.0	0.62	0.77	0.92	1.0	0.44	0.59	0.74	0.89	-	0.42	0.56	0.71
		kW	2.18	2.18	2.19	2.20	2.18	2.19	2.20	2.21	2.19	2.20	2.20	2.21	-	2.20	2.21	2.22
630	65	TC	23.0	22.7	22.5	22.2	25.0	24.7	24.5	24.3	27.0	26.7	26.5	26.3	-	28.8	28.6	28.4
		S/T	0.76	0.92	1.0	1.0	0.59	0.74	0.89	1.0	0.42	0.56	0.72	0.86	-	0.42	0.53	0.68
		kW	1.26	1.27	1.27	1.28	1.26	1.27	1.28	1.29	1.27	1.28	1.28	1.29	-	1.28	1.29	1.30
	75	TC	21.7	21.5	21.2	21.0	23.7	23.5	23.3	23.0	25.7	25.5	25.3	25.0	-	27.6	27.4	27.1
		S/T	0.77	0.92	1.0	1.0	0.59	0.75	0.90	1.0	0.42	0.57	0.72	0.87	-	0.42	0.54	0.69
		kW	1.44	1.45	1.45	1.46	1.44	1.45	1.46	1.47	1.45	1.46	1.46	1.47	-	1.46	1.47	1.48
	85	TC	20.5	20.3	20.0	19.8	22.5	22.3	22.0	21.8	24.5	24.3	24.0	23.8	-	26.4	26.1	25.9
		S/T	0.78	0.93	1.0	1.0	0.60	0.75	0.91	1.0	0.42	0.58	0.73	0.88	-	0.42	0.54	0.69
		kW	1.61	1.62	1.63	1.64	1.62	1.63	1.64	1.64	1.62	1.63	1.64	1.65	-	1.64	1.65	1.65
	95	TC	19.3	19.0	18.8	18.6	21.3	21.0	20.8	20.6	23.3	23.1	22.8	22.6	-	25.1	24.9	24.7
		S/T	0.78	0.94	1.0	1.0	0.61	0.76	0.91	1.0	0.43	0.58	0.74	0.88	-	0.42	0.55	0.70
		kW	1.79	1.80	1.81	1.82	1.80	1.81	1.81	1.82	1.80	1.81	1.82	1.83	-	1.82	1.83	1.83
	105	TC	18.0	17.8	17.6	17.3	20.1	19.8	19.6	19.3	22.1	21.8	21.6	21.3	-	23.9	23.7	23.4
		S/T	0.79	0.95	1.0	1.0	0.61	0.77	0.92	1.0	0.44	0.59	0.74	0.89	-	0.42	0.56	0.71
		kW	1.97	1.98	1.99	2.00	1.98	1.99	1.99	2.00	1.98	1.99	2.00	2.01	-	2.00	2.01	2.01
	115	TC	16.8	16.6	16.4	16.1	18.8	18.6	18.4	18.1	20.8	20.6	20.4	20.1	-	22.7	22.5	22.2
		S/T	0.80	0.95	1.0	1.0	0.62	0.77	0.93	1.0	0.44	0.60	0.75	0.90	-	0.42	0.57	0.71
		kW	2.15	2.16	2.17	2.17	2.15	2.16	2.17	2.18	2.16	2.17	2.18	2.18	-	2.17	2.18	2.19
700	65	TC	23.1	22.9	22.7	22.4	25.2	24.9	24.7	24.4	27.2	26.9	26.7	26.4	-	29.0	28.8	28.5
		S/T	0.77	0.92	1.0	1.0	0.59	0.75	0.90	1.0	0.42	0.57	0.72	0.87	-	0.42	0.54	0.68
		kW	1.23	1.24	1.25	1.25	1.24	1.24	1.25	1.26	1.24	1.25	1.26	1.27	-	1.26	1.26	1.27
	75	TC	21.9	21.7	21.4	21.2	23.9	23.7	23.4	23.2	25.9	25.7	25.4	25.2	-	27.8	27.5	27.3
		S/T	0.78	0.93	1.0	1.0	0.60	0.75	0.91	1.0	0.42	0.58	0.73	0.88	-	0.42	0.54	0.69
		kW	1.41	1.42	1.43	1.43	1.42	1.42	1.43	1.44	1.42	1.43	1.44	1.45	-	1.44	1.44	1.45
	85	TC	20.7	20.5	20.2	20.0	22.7	22.5	22.2	22.0	24.7	24.5	24.2	24.0	-	26.6	26.3	26.1
		S/T	0.78	0.94	1.0	1.0	0.61	0.76	0.91	1.0	0.43	0.58	0.74	0.88	-	0.42	0.55	0.70
		kW	1.59	1.59	1.60	1.61	1.59	1.60	1.61	1.62	1.60	1.61	1.61	1.62	-	1.61	1.62	1.63
	95	TC	19.5	19.2	19.0	18.8	21.5	21.2	21.0	20.8	23.5	23.2	23.0	22.8	-	25.3	25.1	24.9
		S/T	0.79	0.94	1.0	1.0	0.61	0.77	0.92	1.0	0.44	0.59	0.74	0.89	-	0.42	0.56	0.71
		kW	1.77	1.77	1.78	1.79	1.77	1.78	1.79	1.80	1.78	1.79	1.79	1.80	-	1.79	1.80	1.81
	105	TC	18.2	18.0	17.8	17.5	20.2	20.0	19.8	19.5	22.2	22.0	21.8	21.5	-	24.1	23.9	23.6
		S/T	0.80	0.95	1.0	1.0	0.62	0.77	0.93	1.0	0.44	0.60	0.75	0.90	-	0.42	0.57	0.71
		kW	1.95	1.95	1.96	1.97	1.95	1.96	1.97	1.98	1.96	1.96	1.97	1.98	-	1.97	1.98	1.99
	115	TC	17.0	16.8	16.5	16.3	19.0	18.8	18.5	18.3	21.0	20.8	20.5	20.3	-	22.9	22.6	22.4
		S/T	0.81	0.96	1.0	1.0	0.63	0.78	0.93	1.0	0.45	0.60	0.76	0.91	-	0.42	0.57	0.72
		kW	2.12	2.13	2.14	2.15	2.13	2.14	2.14	2.15	2.13	2.14	2.15	2.16	-	2.15	2.16	2.16
840	65	TC	23.5	23.3	23.0	22.8	25.5	25.3	25.0	24.8	27.5	27.3	27.0	26.8	-	29.4	29.1	28.9
		S/T	0.78	0.94	1.0	1.0	0.61	0.76	0.91	1.0	0.43	0.58	0.74	0.88	-	0.42	0.55	0.70
		kW	1.18	1.18	1.19	1.20	1.18	1.19	1.20	1.21	1.19	1.20	1.20	1.21	-	1.20	1.21	1.22
	75	TC	22.3	22.0	21.8	21.6	24.3	24.0	23.8	23.6	26.3	26.0	25.8	25.6	-	28.1	27.9	27.7
		S/T	0.79	0.94	1.0	1.0	0.61	0.77	0.92	1.0	0.44	0.59	0.74	0.89	-	0.42	0.56	0.70
		kW	1.36	1.36	1.37	1.38	1.36	1.37	1.38	1.39	1.37	1.38	1.38	1.39	-	1.38	1.39	1.40
	85	TC	21.1	20.8	20.6	20.4	23.1	22.8	22.6	22.4	25.1	24.8	24.6	24.4	-	26.9	26.7	26.5
		S/T	0.80	0.95	1.0	1.0	0.62	0.77	0.93	1.0	0.44	0.60	0.75	0.90	-	0.42	0.56	0.71
		kW	1.53	1.54	1.55	1.56	1.54	1.55	1.55	1.56	1.54	1.55	1.56	1.57	-	1.56	1.57	1.57
	95	TC	19.8	19.6	19.4	19.1	21.8	21.6	21.4	21.1	23.8	23.6	23.4	23.1	-	25.7	25.5	25.2
		S/T	0.80	0.96	1.0	1.0	0.63	0.78	0.93	1.0	0.45	0.60	0.76	0.90	-	0.42	0.57	0.72
		kW	1.71	1.72	1.73	1.74	1.72	1.73	1.73	1.74	1.72	1.73	1.74	1.75	-	1.74	1.75	1.75
	105	TC	18.6	18.4	18.1	17.9	20.6	20.4	20.1	19.9	22.6	22.4	22.1	21.9	-	24.5	24.2	24.0
		S/T	0.81	0.96	1.0	1.0	0.63	0.79	0.94	1.0	0.46	0.61	0.76	0.91	-	0.42	0.58	0.73
		kW	1.89	1.90	1.91	1.92	1.90	1.91	1.91	1.92	1.90	1.91	1.92	1.93	-	1.92	1.93	1.93
	115	TC	17.4	17.1	16.9	16.7	19.4	19.2	18.9	18.7	21.4	21.2	20.9	20.7	-	23.3	23.0	22.8
		S/T	0.82	0.97	1.0	1.0	0.64	0.79	0.95	1.0	0.46	0.62	0.77	0.92	-	0.43	0.59	0.73
		kW	2.07	2.08	2.08	2.09	2.07	2.08	2.09	2.10	2.08	2.09	2.10	2.10	-	2.09	2.10	2.11

Note: TC - Total Capacity | S/T - Sensible Ratio | kW - ODU Power

EXTENDED RANGE COOL CAPACITIES

NAE28V3622A1+ NASV36C2T2A1 (3 Ton Cooling) **NORMAL** Mode

ID Airflow (SCFM)	OD DB (°F)	ID WB (°F)	59				63				67				71			
		ID DB (°F)	70	75	80	85	70	75	80	85	70	75	80	85	70	75	80	85
850	65	TC	30.1	29.8	29.5	29.2	32.7	32.4	32.1	31.8	35.3	35.0	34.6	34.3	-	37.6	37.3	37.0
		S/T	0.76	0.91	1.0	1.0	0.58	0.74	0.89	1.0	0.41	0.56	0.71	0.86	-	0.40	0.53	0.67
		kW	1.86	1.87	1.89	1.90	1.87	1.88	1.90	1.91	1.88	1.89	1.90	1.92	-	1.90	1.91	1.93
	75	TC	28.5	28.2	27.9	27.6	31.1	30.8	30.5	30.2	33.7	33.4	33.1	32.8	-	36.1	35.8	35.5
		S/T	0.77	0.92	1.0	1.0	0.59	0.74	0.90	1.0	0.41	0.57	0.72	0.87	-	0.40	0.53	0.68
		kW	2.15	2.16	2.17	2.18	2.15	2.17	2.18	2.19	2.16	2.18	2.19	2.20	-	2.19	2.20	2.21
	85	TC	27.0	26.7	26.4	26.1	29.6	29.3	28.9	28.7	32.1	31.8	31.5	31.2	-	34.5	34.2	33.9
		S/T	0.77	0.93	1.0	1.0	0.60	0.75	0.90	1.0	0.42	0.57	0.73	0.87	-	0.40	0.54	0.69
		kW	2.43	2.44	2.45	2.46	2.43	2.45	2.46	2.47	2.44	2.46	2.47	2.48	-	2.47	2.48	2.49
	95	TC	25.4	25.1	24.8	24.5	28.0	27.7	27.4	27.1	30.6	30.2	29.9	29.6	-	32.9	32.6	32.3
		S/T	0.78	0.93	1.0	1.0	0.60	0.76	0.91	1.0	0.43	0.58	0.73	0.88	-	0.40	0.55	0.70
		kW	2.71	2.72	2.74	2.75	2.72	2.73	2.75	2.76	2.73	2.74	2.75	2.77	-	2.75	2.76	2.78
	105	TC	23.8	23.5	23.2	22.9	26.4	26.1	25.8	25.5	29.0	28.7	28.4	28.1	-	31.3	31.0	30.7
		S/T	0.79	0.94	1.0	1.0	0.61	0.76	0.92	1.0	0.43	0.59	0.74	0.89	-	0.40	0.55	0.70
		kW	3.00	3.01	3.02	3.03	3.00	3.02	3.03	3.04	3.01	3.03	3.04	3.05	-	3.04	3.05	3.06
	115	TC	22.3	22.0	21.7	21.4	24.9	24.5	24.2	23.9	27.4	27.1	26.8	26.5	-	29.8	29.5	29.2
		S/T	0.80	0.95	1.0	1.0	0.62	0.77	0.92	1.0	0.44	0.59	0.75	0.89	-	0.41	0.56	0.71
		kW	3.28	3.29	3.30	3.31	3.28	3.30	3.31	3.32	3.29	3.31	3.32	3.33	-	3.31	3.33	3.34
950	65	TC	30.5	30.2	29.9	29.6	33.0	32.7	32.4	32.1	35.6	35.3	35.0	34.7	-	38.0	37.7	37.4
		S/T	0.77	0.92	1.0	1.0	0.59	0.75	0.90	1.0	0.42	0.57	0.72	0.87	-	0.40	0.54	0.68
		kW	1.80	1.81	1.82	1.84	1.81	1.82	1.83	1.85	1.82	1.83	1.84	1.85	-	1.84	1.85	1.86
	75	TC	28.9	28.6	28.3	28.0	31.5	31.2	30.8	30.5	34.0	33.7	33.4	33.1	-	36.4	36.1	35.8
		S/T	0.78	0.93	1.0	1.0	0.60	0.75	0.91	1.0	0.42	0.58	0.73	0.88	-	0.40	0.54	0.69
		kW	2.08	2.10	2.11	2.12	2.09	2.11	2.12	2.13	2.10	2.11	2.13	2.14	-	2.12	2.14	2.15
	85	TC	27.3	27.0	26.7	26.4	29.9	29.6	29.3	29.0	32.5	32.2	31.9	31.6	-	34.9	34.5	34.2
		S/T	0.78	0.94	1.0	1.0	0.61	0.76	0.91	1.0	0.43	0.58	0.74	0.88	-	0.40	0.55	0.70
		kW	2.36	2.38	2.39	2.40	2.37	2.39	2.40	2.41	2.38	2.39	2.41	2.42	-	2.40	2.42	2.43
	95	TC	25.8	25.5	25.1	24.8	28.3	28.0	27.7	27.4	30.9	30.6	30.3	30.0	-	33.3	33.0	32.7
		S/T	0.79	0.94	1.0	1.0	0.61	0.77	0.92	1.0	0.44	0.59	0.74	0.89	-	0.40	0.56	0.70
		kW	2.65	2.66	2.67	2.69	2.66	2.67	2.68	2.70	2.67	2.68	2.69	2.70	-	2.69	2.70	2.71
	105	TC	24.2	23.9	23.6	23.3	26.7	26.4	26.1	25.8	29.3	29.0	28.7	28.4	-	31.7	31.4	31.1
		S/T	0.80	0.95	1.0	1.0	0.62	0.77	0.93	1.0	0.44	0.60	0.75	0.90	-	0.41	0.56	0.71
		kW	2.93	2.95	2.96	2.97	2.94	2.95	2.97	2.98	2.95	2.96	2.98	2.99	-	2.97	2.99	3.00
	115	TC	22.6	22.3	22.0	21.7	25.2	24.9	24.6	24.3	27.8	27.5	27.1	26.9	-	30.1	29.8	29.5
		S/T	0.80	0.96	1.0	1.0	0.63	0.78	0.93	1.0	0.45	0.60	0.76	0.90	-	0.42	0.57	0.72
		kW	3.21	3.23	3.24	3.25	3.22	3.23	3.25	3.26	3.23	3.24	3.26	3.27	-	3.25	3.27	3.28
1060	65	TC	30.8	30.5	30.2	29.9	33.4	33.1	32.8	32.5	36.0	35.7	35.4	35.1	-	38.4	38.0	37.7
		S/T	0.78	0.93	1.0	1.0	0.60	0.76	0.91	1.0	0.43	0.58	0.73	0.88	-	0.40	0.55	0.69
		kW	1.73	1.74	1.76	1.77	1.74	1.75	1.77	1.78	1.75	1.76	1.78	1.79	-	1.77	1.78	1.80
	75	TC	29.3	29.0	28.6	28.3	31.8	31.5	31.2	30.9	34.4	34.1	33.8	33.5	-	36.8	36.5	36.2
		S/T	0.79	0.94	1.0	1.0	0.61	0.76	0.92	1.0	0.43	0.59	0.74	0.89	-	0.40	0.55	0.70
		kW	2.02	2.03	2.04	2.05	2.03	2.04	2.05	2.06	2.03	2.05	2.06	2.07	-	2.06	2.07	2.08
	85	TC	27.7	27.4	27.1	26.8	30.3	30.0	29.7	29.4	32.8	32.5	32.2	31.9	-	35.2	34.9	34.6
		S/T	0.79	0.95	1.0	1.0	0.62	0.77	0.92	1.0	0.44	0.59	0.75	0.89	-	0.41	0.56	0.71
		kW	2.30	2.31	2.32	2.33	2.31	2.32	2.33	2.34	2.31	2.33	2.34	2.35	-	2.34	2.35	2.36
	95	TC	26.1	25.8	25.5	25.2	28.7	28.4	28.1	27.8	31.3	31.0	30.6	30.4	-	33.6	33.3	33.0
		S/T	0.80	0.95	1.0	1.0	0.62	0.78	0.93	1.0	0.45	0.60	0.75	0.90	-	0.41	0.57	0.72
		kW	2.58	2.59	2.61	2.62	2.59	2.60	2.62	2.63	2.60	2.61	2.62	2.64	-	2.62	2.63	2.65
	105	TC	24.6	24.2	23.9	23.6	27.1	26.8	26.5	26.2	29.7	29.4	29.1	28.8	-	32.1	31.8	31.5
		S/T	0.81	0.96	1.0	1.0	0.63	0.78	0.94	1.0	0.45	0.61	0.76	0.91	-	0.42	0.57	0.72
		kW	2.87	2.88	2.89	2.90	2.87	2.89	2.90	2.91	2.88	2.90	2.91	2.92	-	2.91	2.92	2.93
	115	TC	23.0	22.7	22.4	22.1	25.6	25.3	25.0	24.7	28.1	27.8	27.5	27.2	-	30.5	30.2	29.9
		S/T	0.81	0.97	1.0	1.0	0.64	0.79	0.94	1.0	0.46	0.61	0.77	0.91	-	0.43	0.58	0.73
		kW	3.15	3.16	3.17	3.18	3.15	3.17	3.18	3.19	3.16	3.18	3.19	3.20	-	3.19	3.20	3.21
1270	65	TC	31.6	31.2	30.9	30.6	34.1	33.8	33.5	33.2	36.7	36.4	36.1	35.8	-	39.1	38.8	38.5
		S/T	0.80	0.95	1.0	1.0	0.62	0.77	0.93	1.0	0.44	0.60	0.75	0.90	-	0.41	0.57	0.71
		kW	1.60	1.62	1.63	1.64	1.61	1.62	1.64	1.65	1.62	1.63	1.65	1.66	-	1.64	1.66	1.67
	75	TC	30.0	29.7	29.4	29.1	32.5	32.2	31.9	31.6	35.1	34.8	34.5	34.2	-	37.5	37.2	36.9
		S/T	0.81	0.96	1.0	1.0	0.63	0.78	0.94	1.0	0.45	0.60	0.76	0.91	-	0.42	0.57	0.72
		kW	1.89	1.90	1.91	1.93	1.90	1.91	1.92	1.93	1.90	1.92	1.93	1.94	-	1.93	1.94	1.95
	85	TC	28.4	28.1	27.8	27.5	31.0	30.7	30.4	30.1	33.6	33.3	32.9	32.6	-	35.9	35.6	35.3
		S/T	0.81	0.97	1.0	1.0	0.64	0.79	0.94	1.0	0.46	0.61	0.76	0.91	-	0.43	0.58	0.73
		kW	2.17	2.18	2.19	2.21	2.18	2.19	2.20	2.21	2.18	2.20	2.21	2.22	-	2.21	2.22	2.23
	95	TC	26.8	26.5	26.2	25.9	29.4	29.1	28.8	28.5	32.0	31.7	31.4	31.1	-	34.4	34.0	33.7
		S/T	0.82	0.97	1.0	1.0	0.64	0.80	0.95	1.0	0.47	0.62	0.77	0.92	-	0.43	0.59	0.73
		kW	2.45	2.46	2.48	2.49	2.46	2.47	2.49	2.50	2.47	2.48	2.50	2.51	-	2.49	2.50	2.52
	105	TC	25.3	25.0	24.6	24.4	27.8	27.5	27.2	26.9	30.4	30.1	29.8	29.5	-	32.8	32.5	32.2
		S/T	0.83	0.98	1.0	1.0	0.65	0.80	0.96	1.0	0.47	0.63	0.78	0.93	-	0.44	0.59	0.74
		kW	2.74	2.75	2.76	2.78	2.75	2.76	2.77	2.78	2.75	2.77	2.78	2.79	-	2.78	2.79	2.80
	115	TC	23.7	23.4	23.1	22.8	26.3	26.0	25.7	25.4	28.8	28.5	28.2	27.9	-	31.2	30.9	30.6
		S/T	0.83	0.99	1.0	1.0	0.66	0.81	0.96	1.0	0.48	0.63	0.79	0.93	-	0.45	0.60	0.75
		kW	3.02	3.03	3.04	3.06	3.03	3.04	3.05	3.06	3.03	3.05	3.06	3.07	-	3.06	3.07	3.08

Note: TC - Total Capacity | S/T - Sensible Ratio | kW - ODU Power

EXTENDED RANGE COOL CAPACITIES

NAE28V6022A1+ NASV48D2T2A1 (4 Ton Cooling) **NORMAL** Mode

ID Airflow (SCFM)	OD DB (°F)	ID WB (°F)	59				63				67				71			
		ID DB (°F)	70	75	80	85	70	75	80	85	70	75	80	85	70	75	80	85
1120	65	TC	47.5	44.8	42.0	39.4	51.0	48.3	45.5	42.9	54.5	51.7	49.0	46.4	-	55.4	52.7	50.0
		S/T	0.48	0.79	0.9	0.9	0.40	0.60	0.89	0.9	0.40	0.42	0.73	0.89	-	0.40	0.53	0.83
		kW	2.36	2.32	2.27	2.22	2.43	2.38	2.34	2.29	2.50	2.45	2.40	2.36	-	2.52	2.47	2.43
	75	TC	45.1	42.3	39.6	37.0	48.6	45.8	43.1	40.5	52.0	49.3	46.6	44.0	-	53.0	50.2	47.6
		S/T	0.49	0.80	0.9	0.9	0.40	0.61	0.89	0.9	0.40	0.43	0.74	0.89	-	0.40	0.54	0.84
		kW	2.74	2.69	2.65	2.60	2.81	2.76	2.71	2.67	2.87	2.83	2.78	2.73	-	2.90	2.85	2.80
	85	TC	42.7	40.0	37.2	34.6	46.2	43.5	40.7	38.1	49.7	46.9	44.2	41.6	-	50.6	47.8	45.2
		S/T	0.50	0.81	0.9	0.9	0.40	0.62	0.89	0.9	0.40	0.44	0.75	0.89	-	0.40	0.55	0.85
		kW	3.11	3.06	3.02	2.97	3.18	3.13	3.08	3.04	3.24	3.20	3.15	3.10	-	3.27	3.22	3.17
	95	TC	40.3	37.5	34.8	32.2	43.7	41.0	38.3	35.7	47.2	44.5	41.8	39.2	-	48.1	45.4	42.8
		S/T	0.51	0.82	0.9	0.9	0.40	0.64	0.89	0.9	0.40	0.45	0.76	0.89	-	0.40	0.57	0.86
		kW	3.49	3.44	3.39	3.35	3.56	3.51	3.46	3.42	3.62	3.57	3.53	3.48	-	3.64	3.60	3.55
	105	TC	37.8	35.1	32.4	29.8	41.3	38.6	35.9	33.3	44.8	42.1	39.4	36.7	-	45.7	43.0	40.4
		S/T	0.52	0.83	0.9	0.9	0.40	0.65	0.89	0.9	0.40	0.46	0.77	0.89	-	0.40	0.58	0.87
		kW	3.87	3.82	3.77	3.73	3.93	3.89	3.84	3.79	4.00	3.95	3.90	3.86	-	4.02	3.97	3.93
	115	TC	35.5	32.7	30.0	27.4	38.9	36.2	33.5	30.9	42.4	39.7	37.0	34.4	-	43.3	40.6	38.0
		S/T	0.54	0.84	0.9	0.9	0.40	0.66	0.89	0.9	0.40	0.47	0.78	0.89	-	0.40	0.59	0.89
		kW	4.24	4.19	4.14	4.10	4.30	4.26	4.21	4.16	4.37	4.32	4.27	4.23	-	4.39	4.34	4.30
1260	65	TC	47.9	45.1	42.4	39.8	51.4	48.6	45.9	43.3	54.8	52.1	49.4	46.8	-	55.8	53.0	50.4
		S/T	0.49	0.80	0.9	0.9	0.40	0.61	0.89	0.9	0.40	0.43	0.73	0.89	-	0.40	0.54	0.84
		kW	2.37	2.33	2.28	2.23	2.44	2.39	2.35	2.30	2.51	2.46	2.41	2.37	-	2.53	2.48	2.44
	75	TC	45.4	42.7	40.0	37.4	48.9	46.2	43.5	40.9	52.4	49.7	47.0	44.3	-	53.3	50.6	48.0
		S/T	0.50	0.81	0.9	0.9	0.40	0.62	0.89	0.9	0.40	0.44	0.75	0.89	-	0.40	0.55	0.85
		kW	2.75	2.70	2.66	2.61	2.82	2.77	2.72	2.68	2.88	2.84	2.79	2.74	-	2.91	2.86	2.81
	85	TC	43.1	40.3	37.6	35.0	46.5	43.8	41.1	38.5	50.0	47.3	44.6	42.0	-	50.9	48.2	45.6
		S/T	0.51	0.82	0.9	0.9	0.40	0.63	0.89	0.9	0.40	0.45	0.76	0.89	-	0.40	0.56	0.86
		kW	3.12	3.07	3.03	2.98	3.19	3.14	3.09	3.05	3.25	3.21	3.16	3.11	-	3.28	3.23	3.18
	95	TC	40.6	37.9	35.2	32.6	44.1	41.4	38.7	36.1	47.6	44.9	42.2	39.5	-	48.5	45.8	43.2
		S/T	0.52	0.83	0.9	0.9	0.40	0.65	0.89	0.9	0.40	0.46	0.77	0.89	-	0.40	0.58	0.87
		kW	3.50	3.45	3.40	3.36	3.57	3.52	3.47	3.43	3.63	3.58	3.54	3.49	-	3.65	3.61	3.56
	105	TC	38.2	35.5	32.8	30.1	41.7	39.0	36.3	33.6	45.2	42.5	39.7	37.1	-	46.1	43.4	40.8
		S/T	0.53	0.84	0.9	0.9	0.40	0.66	0.89	0.9	0.40	0.47	0.78	0.89	-	0.40	0.59	0.88
		kW	3.88	3.83	3.78	3.74	3.94	3.90	3.85	3.80	4.01	3.96	3.91	3.87	-	4.03	3.98	3.94
	115	TC	35.8	33.1	30.4	27.8	39.3	36.6	33.9	31.2	42.8	40.1	37.4	34.7	-	43.7	41.0	38.4
		S/T	0.54	0.85	0.9	0.9	0.40	0.67	0.89	0.9	0.40	0.48	0.79	0.89	-	0.40	0.60	0.89
		kW	4.25	4.20	4.15	4.11	4.31	4.27	4.22	4.17	4.38	4.33	4.28	4.24	-	4.40	4.35	4.31
1400	65	TC	48.2	45.5	42.8	40.2	51.7	49.0	46.3	43.7	55.2	52.5	49.8	47.1	-	56.1	53.4	50.8
		S/T	0.50	0.81	0.9	0.9	0.40	0.62	0.89	0.9	0.40	0.44	0.74	0.89	-	0.40	0.55	0.85
		kW	2.38	2.34	2.29	2.24	2.45	2.40	2.36	2.31	2.52	2.47	2.42	2.38	-	2.54	2.49	2.45
	75	TC	45.8	43.1	40.4	37.8	49.3	46.6	43.9	41.2	52.8	50.1	47.3	44.7	-	53.7	51.0	48.4
		S/T	0.51	0.82	0.9	0.9	0.40	0.63	0.89	0.9	0.40	0.45	0.76	0.89	-	0.40	0.56	0.86
		kW	2.76	2.71	2.67	2.62	2.83	2.78	2.73	2.69	2.89	2.85	2.80	2.75	-	2.92	2.87	2.82
	85	TC	43.4	40.7	38.0	35.4	46.9	44.2	41.5	38.9	50.4	47.7	45.0	42.3	-	51.3	48.6	46.0
		S/T	0.52	0.83	0.9	0.9	0.40	0.64	0.89	0.9	0.40	0.46	0.77	0.89	-	0.40	0.57	0.87
		kW	3.13	3.08	3.04	2.99	3.20	3.15	3.10	3.06	3.26	3.22	3.17	3.12	-	3.29	3.24	3.19
	95	TC	41.0	38.3	35.6	32.9	44.5	41.8	39.1	36.4	48.0	45.3	42.5	39.9	-	48.9	46.2	43.5
		S/T	0.53	0.84	0.9	0.9	0.40	0.66	0.89	0.9	0.40	0.47	0.78	0.89	-	0.40	0.59	0.88
		kW	3.51	3.46	3.41	3.37	3.58	3.53	3.48	3.44	3.64	3.59	3.55	3.50	-	3.66	3.62	3.57
	105	TC	38.6	35.9	33.1	30.5	42.1	39.4	36.6	34.0	45.6	42.8	40.1	37.5	-	46.5	43.8	41.1
		S/T	0.54	0.85	0.9	0.9	0.40	0.67	0.89	0.9	0.40	0.48	0.79	0.89	-	0.40	0.60	0.89
		kW	3.89	3.84	3.79	3.75	3.95	3.91	3.86	3.81	4.02	3.97	3.92	3.88	-	4.04	3.99	3.95
	115	TC	36.2	33.5	30.8	28.1	39.7	37.0	34.2	31.6	43.2	40.5	37.7	35.1	-	44.1	41.4	38.7
		S/T	0.55	0.86	0.9	0.9	0.40	0.68	0.89	0.9	0.40	0.49	0.80	0.89	-	0.40	0.61	0.89
		kW	4.26	4.21	4.16	4.12	4.32	4.28	4.23	4.18	4.39	4.34	4.29	4.25	-	4.41	4.36	4.32
1680	65	TC	49.0	46.3	43.6	40.9	52.5	49.8	47.0	44.4	56.0	53.2	50.5	47.9	-	56.9	54.2	51.5
		S/T	0.52	0.83	0.9	0.9	0.40	0.64	0.89	0.9	0.40	0.46	0.76	0.89	-	0.40	0.57	0.87
		kW	2.40	2.36	2.31	2.26	2.47	2.42	2.38	2.33	2.54	2.49	2.44	2.40	-	2.56	2.51	2.47
	75	TC	46.6	43.9	41.1	38.5	50.1	47.3	44.6	42.0	53.5	50.8	48.1	45.5	-	54.5	51.7	49.1
		S/T	0.53	0.84	0.9	0.9	0.40	0.65	0.89	0.9	0.40	0.47	0.78	0.89	-	0.40	0.58	0.88
		kW	2.78	2.73	2.69	2.64	2.85	2.80	2.75	2.71	2.91	2.87	2.82	2.77	-	2.94	2.89	2.84
	85	TC	44.2	41.5	38.7	36.1	47.7	45.0	42.2	39.6	51.2	48.4	45.7	43.1	-	52.1	49.3	46.7
		S/T	0.54	0.85	0.9	0.9	0.40	0.66	0.89	0.9	0.40	0.48	0.79	0.89	-	0.40	0.59	0.89
		kW	3.15	3.10	3.06	3.01	3.22	3.17	3.12	3.08	3.28	3.24	3.19	3.14	-	3.31	3.26	3.21
	95	TC	41.8	39.0	36.3	33.7	45.3	42.5	39.8	37.2	48.7	46.0	43.3	40.7	-	49.6	46.9	44.3
		S/T	0.55	0.86	0.9	0.9	0.40	0.67	0.89	0.9	0.40	0.49	0.80	0.89	-	0.40	0.60	0.89
		kW	3.53	3.48	3.43	3.39	3.60	3.55	3.50	3.46	3.66	3.61	3.57	3.52	-	3.68	3.64	3.59
	105	TC	39.3	36.6	33.9	31.3	42.8	40.1	37.4	34.8	46.3	43.6	40.9	38.2	-	47.2	44.5	41.9
		S/T	0.56	0.87	0.9	0.9	0.40	0.69	0.89	0.9	0.40	0.50	0.81	0.89	-	0.40	0.62	0.89
		kW	3.91	3.86	3.81	3.77	3.97	3.93	3.88	3.83	4.04	3.99	3.94	3.90	-	4.06	4.01	3.97
	115	TC	37.0	34.2	31.5	28.9	40.4	37.7	35.0	32.4	43.9	41.2	38.5	35.9		44.8	42.1	39.5
		S/T	0.57	0.88	0.9	0.9	0.40	0.70	0.89	0.9	0.40	0.51	0.82	0.89	-	0.40	0.63	0.89
		kW	4.28	4.23	4.18	4.14	4.34	4.30	4.25	4.20	4.41	4.36	4.31	4.27	-	4.43	4.38	4.34

Note: TC - Total Capacity | S/T - Sensible Ratio | kW - ODU Power

EXTENDED RANGE COOL CAPACITIES

NAE28V6022A1+ NASV59D2T2A1 (5 Ton Cooling) **NORMAL** Mode

ID Airflow (SCFM)	OD DB (°F)	ID WB (°F)	59				63				67				71			
		ID DB (°F)	70	75	80	85	70	75	80	85	70	75	80	85	70	75	80	85
1310	65	TC	54.3	51.2	48.1	45.1	58.2	55.1	52.0	49.1	62.1	59.0	56.0	53.0	-	63.2	60.1	57.1
		S/T	0.76	0.91	1.0	1.0	0.58	0.74	0.89	1.0	0.41	0.56	0.71	0.86	-	0.40	0.53	0.67
		kW	2.96	2.90	2.84	2.78	3.04	2.98	2.92	2.87	3.12	3.06	3.00	2.95	-	3.15	3.09	3.03
	75	TC	51.5	48.4	45.4	42.4	55.5	52.4	49.3	46.3	59.4	56.3	53.2	50.3	-	60.4	57.3	54.4
		S/T	0.77	0.92	1.0	1.0	0.59	0.74	0.90	1.0	0.41	0.57	0.72	0.87	-	0.40	0.53	0.68
		kW	3.43	3.37	3.31	3.25	3.51	3.45	3.39	3.33	3.59	3.53	3.47	3.42	-	3.62	3.56	3.50
	85	TC	48.8	45.7	42.7	39.7	52.8	49.7	46.6	43.6	56.7	53.6	50.5	47.6	-	57.7	54.7	51.7
		S/T	0.77	0.93	1.0	1.0	0.60	0.75	0.90	1.0	0.42	0.57	0.73	0.87	-	0.40	0.54	0.69
		kW	3.89	3.83	3.77	3.71	3.97	3.91	3.85	3.80	4.05	3.99	3.93	3.88	-	4.08	4.02	3.96
	95	TC	46.1	43.0	39.9	37.0	50.0	46.9	43.9	40.9	54.0	50.9	47.8	44.8	-	55.0	51.9	48.9
		S/T	0.78	0.93	1.0	1.0	0.60	0.76	0.91	1.0	0.43	0.58	0.73	0.88	-	0.40	0.55	0.70
		kW	4.36	4.30	4.24	4.18	4.44	4.38	4.32	4.26	4.52	4.46	4.40	4.35	-	4.55	4.49	4.43
	105	TC	43.3	40.3	37.2	34.2	47.3	44.2	41.1	38.2	51.2	48.1	45.1	42.1	-	52.3	49.2	46.2
		S/T	0.79	0.94	1.0	1.0	0.61	0.76	0.92	1.0	0.43	0.59	0.74	0.89	-	0.40	0.55	0.70
		kW	4.83	4.77	4.71	4.65	4.91	4.85	4.79	4.73	4.99	4.93	4.87	4.82	-	5.02	4.96	4.90
	115	TC	40.7	37.6	34.5	31.5	44.6	41.5	38.4	35.5	48.5	45.5	42.4	39.4	-	49.6	46.5	43.5
		S/T	0.80	0.95	1.0	1.0	0.62	0.77	0.92	1.0	0.44	0.59	0.75	0.89	-	0.41	0.56	0.71
		kW	5.29	5.23	5.17	5.11	5.37	5.31	5.25	5.19	5.45	5.39	5.33	5.28	-	5.48	5.42	5.36
1640	65	TC	55.2	52.2	49.1	46.1	59.2	56.1	53.0	50.1	63.1	60.0	57.0	54.0	-	64.2	61.1	58.1
		S/T	0.77	0.92	1.0	1.0	0.59	0.75	0.90	1.0	0.42	0.57	0.72	0.87	-	0.40	0.54	0.68
		kW	2.99	2.93	2.87	2.81	3.07	3.01	2.95	2.89	3.15	3.09	3.03	2.98	-	3.18	3.12	3.06
	75	TC	52.5	49.4	46.4	43.4	56.4	53.4	50.3	47.3	60.4	57.3	54.2	51.3	-	61.4	58.3	55.4
		S/T	0.78	0.93	1.0	1.0	0.60	0.75	0.91	1.0	0.42	0.58	0.73	0.88	-	0.40	0.54	0.69
		kW	3.46	3.40	3.34	3.28	3.54	3.48	3.42	3.36	3.62	3.56	3.50	3.45	-	3.65	3.59	3.53
	85	TC	49.8	46.7	43.7	40.7	53.8	50.7	47.6	44.6	57.7	54.6	51.5	48.6	-	58.7	55.6	52.7
		S/T	0.78	0.94	1.0	1.0	0.61	0.76	0.91	1.0	0.43	0.58	0.74	0.88	-	0.40	0.55	0.70
		kW	3.92	3.86	3.80	3.74	4.00	3.94	3.88	3.82	4.08	4.02	3.96	3.91	-	4.11	4.05	3.99
	95	TC	47.1	44.0	40.9	38.0	51.0	47.9	44.9	41.9	55.0	51.9	48.8	45.8	-	56.0	52.9	49.9
		S/T	0.79	0.94	1.0	1.0	0.61	0.77	0.92	1.0	0.44	0.59	0.74	0.89	-	0.40	0.56	0.70
		kW	4.39	4.33	4.27	4.21	4.47	4.41	4.35	4.29	4.55	4.49	4.43	4.38	-	4.58	4.52	4.46
	105	TC	44.3	41.3	38.2	35.2	48.3	45.2	42.1	39.2	52.2	49.1	46.1	43.1	-	53.2	50.2	47.2
		S/T	0.80	0.95	1.0	1.0	0.62	0.77	0.93	1.0	0.44	0.60	0.75	0.90	-	0.41	0.56	0.71
		kW	4.85	4.80	4.74	4.68	4.94	4.88	4.82	4.76	5.02	4.96	4.90	4.84	-	5.05	4.99	4.93
	115	TC	41.7	38.6	35.5	32.5	45.6	42.5	39.4	36.5	49.5	46.4	43.4	40.4	-	50.6	47.5	44.5
		S/T	0.80	0.96	1.0	1.0	0.63	0.78	0.93	1.0	0.45	0.60	0.76	0.90	-	0.42	0.57	0.72
		kW	5.32	5.26	5.20	5.14	5.40	5.34	5.28	5.22	5.48	5.42	5.36	5.31	-	5.51	5.45	5.39
1800	65	TC	55.7	52.7	49.6	46.6	59.7	56.6	53.5	50.5	63.6	60.5	57.4	54.5	-	64.6	61.6	58.6
		S/T	0.78	0.93	1.0	1.0	0.60	0.76	0.91	1.0	0.43	0.58	0.73	0.88	-	0.40	0.55	0.69
		kW	3.00	2.94	2.88	2.83	3.08	3.02	2.97	2.91	3.16	3.11	3.05	2.99	-	3.19	3.13	3.08
	75	TC	53.0	49.9	46.8	43.9	56.9	53.8	50.8	47.8	60.9	57.8	54.7	51.7	-	61.9	58.8	55.8
		S/T	0.79	0.94	1.0	1.0	0.61	0.76	0.92	1.0	0.43	0.59	0.74	0.89	-	0.40	0.55	0.70
		kW	3.47	3.41	3.35	3.30	3.55	3.49	3.43	3.38	3.63	3.58	3.52	3.46	-	3.66	3.60	3.55
	85	TC	50.3	47.2	44.1	41.2	54.2	51.2	48.1	45.1	58.2	55.1	52.0	49.0	-	59.2	56.1	53.2
		S/T	0.79	0.95	1.0	1.0	0.62	0.77	0.92	1.0	0.44	0.59	0.75	0.89	-	0.41	0.56	0.71
		kW	3.93	3.87	3.81	3.76	4.01	3.95	3.90	3.84	4.09	4.04	3.98	3.92	-	4.12	4.06	4.01
	95	TC	47.6	44.5	41.4	38.4	51.5	48.4	45.3	42.4	55.4	52.4	49.3	46.3	-	56.5	53.4	50.4
		S/T	0.80	0.95	1.0	1.0	0.62	0.78	0.93	1.0	0.45	0.60	0.75	0.90	-	0.41	0.57	0.72
		kW	4.40	4.34	4.28	4.23	4.48	4.42	4.36	4.31	4.56	4.51	4.45	4.39	-	4.59	4.53	4.48
	105	TC	44.8	41.7	38.7	35.7	48.8	45.7	42.6	39.6	52.7	49.6	46.5	43.6	-	53.7	50.7	47.7
		S/T	0.81	0.96	1.0	1.0	0.63	0.78	0.94	1.0	0.45	0.61	0.76	0.91	-	0.42	0.57	0.72
		kW	4.87	4.81	4.75	4.69	4.95	4.89	4.83	4.78	5.03	4.97	4.92	4.86	-	5.06	5.00	4.94
	115	TC	42.1	39.1	36.0	33.0	46.1	43.0	39.9	36.9	50.0	46.9	43.8	40.9	-	51.0	48.0	45.0
		S/T	0.81	0.97	1.0	1.0	0.64	0.79	0.94	1.0	0.46	0.61	0.77	0.91	-	0.43	0.58	0.73
		kW	5.33	5.27	5.21	5.16	5.41	5.35	5.29	5.24	5.49	5.44	5.38	5.32	-	5.52	5.46	5.41
2190	65	TC	56.9	53.8	50.8	47.8	60.8	57.8	54.7	51.7	64.8	61.7	58.6	55.7	-	65.8	62.7	59.8
		S/T	0.80	0.95	1.0	1.0	0.62	0.77	0.93	1.0	0.44	0.60	0.75	0.90	-	0.41	0.57	0.71
		kW	3.04	2.98	2.92	2.86	3.12	3.06	3.00	2.94	3.20	3.14	3.08	3.02	-	3.23	3.17	3.11
	75	TC	54.2	51.1	48.0	45.0	58.1	55.0	51.9	49.0	62.0	59.0	55.9	52.9	-	63.1	60.0	57.0
		S/T	0.81	0.96	1.0	1.0	0.63	0.78	0.94	1.0	0.45	0.60	0.76	0.91	-	0.42	0.57	0.72
		kW	3.50	3.45	3.39	3.33	3.59	3.53	3.47	3.41	3.67	3.61	3.55	3.49	-	3.70	3.64	3.58
	85	TC	51.5	48.4	45.3	42.4	55.4	52.3	49.3	46.3	59.3	56.3	53.2	50.2	-	60.4	57.3	54.3
		S/T	0.81	0.97	1.0	1.0	0.64	0.79	0.94	1.0	0.46	0.61	0.76	0.91	-	0.43	0.58	0.73
		kW	3.97	3.91	3.85	3.79	4.05	3.99	3.93	3.87	4.13	4.07	4.01	3.95	-	4.16	4.10	4.04
	95	TC	48.7	45.7	42.6	39.6	52.7	49.6	46.5	43.6	56.6	53.5	50.5	47.5	-	57.6	54.6	51.6
		S/T	0.82	0.97	1.0	1.0	0.64	0.80	0.95	1.0	0.47	0.62	0.77	0.92	-	0.43	0.59	0.73
		kW	4.43	4.38	4.32	4.26	4.52	4.46	4.40	4.34	4.60	4.54	4.48	4.42	-	4.63	4.57	4.51
	105	TC	46.0	42.9	39.8	36.9	49.9	46.9	43.8	40.8	53.9	50.8	47.7	44.7	-	54.9	51.8	48.9
		S/T	0.83	0.98	1.0	1.0	0.65	0.80	0.96	1.0	0.47	0.63	0.78	0.93	-	0.44	0.59	0.74
		kW	4.90	4.84	4.79	4.73	4.99	4.93	4.87	4.81	5.07	5.01	4.95	4.89	-	5.09	5.04	4.98
	115	TC	43.3	40.2	37.2	34.2	47.2	44.2	41.1	38.1	51.2	48.1	45.0	42.1	-	52.2	49.1	46.2
		S/T	0.83	0.99	1.0	1.0	0.66	0.81	0.96	1.0	0.48	0.63	0.79	0.93	-	0.45	0.60	0.75
		kW	5.36	5.31	5.25	5.19	5.45	5.39	5.33	5.27	5.53	5.47	5.41	5.35	-	5.56	5.50	5.44

Note: TC - Total Capacity | S/T - Sensible Ratio | kW - ODU Power

LIQUID LINE TEMPERATURES AND GAUGE PRESSURE

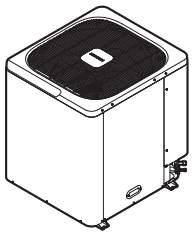
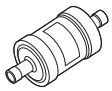
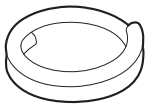
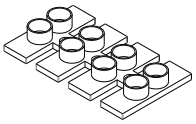
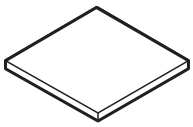
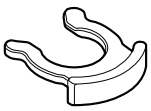
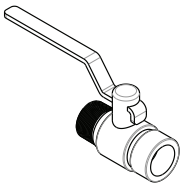
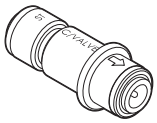
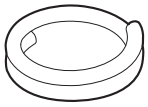
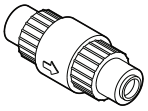
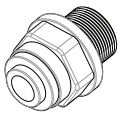
Subcooling - Ambient Temperature and Heat Pump Capacity						
Subcooling (°F)		Ambient Temperature (°F)				
		68-77	77-86	86-95	95-104	104-113
Model	NAE28V36	17±3	17±3	17±3	17±3	17±3
	NAE28V60	19±3	19±3	19±3	19±3	19±3

Subcooling - Liquid Line Temperature and Gauge Pressure								
Liquid Line Temp (°F)	Subcooling Value (°F)							
	14	15	16	17	18	19	20	21
	Liquid Gauge Pressure (PSI)							
55	160	208	210	212	214	217	219	223
60	174	222	224	227	230	233	235	239
65	190	238	240	243	245	249	251	256
70	206	254	257	260	262	266	268	273
75	223	271	274	278	280	284	287	291
80	241	290	292	296	299	303	306	311
85	260	309	312	316	319	323	326	331
90	280	239	332	337	340	344	347	353
95	301	350	354	358	362	366	370	375
100	323	373	376	381	385	390	393	399
105	347	396	400	405	409	414	418	424
110	371	421	425	430	435	440	444	451
115	397	447	452	457	461	467	471	478
120	424	474	479	485	489	495	500	507
125	452	503	508	514	519	525	530	537

Subcooling - Ambient Temperature and Heat Pump Capacity						
Subcooling (°C)		Ambient Temperature (°C)				
		20-25	25-30	30-35	35-40	40-45
Model	NAE28V36	9.4±1.7	9.4±1.7	9.4±1.7	9.4±1.7	9.4±1.7
	NAE28V60	10.6±1.7	10.6±1.7	10.6±1.7	10.6±1.7	10.6±1.7

Subcooling - Liquid Line Temperature and Gauge Pressure								
Liquid Line Temp (°C)	Subcooling Value (°C)							
	7.8	8.3	8.9	9.4	10	10.6	11.1	11.7
	Liquid Gauge Pressure (PSI)							
12.8	160	208	210	212	214	217	219	223
15.6	174	222	224	227	230	233	235	239
18.3	190	238	240	243	245	249	251	256
21.1	206	254	257	260	262	266	268	273
23.9	223	271	274	278	280	284	287	291
26.7	241	290	292	296	299	303	306	311
29.4	260	309	312	316	319	323	326	331
32.2	280	239	332	337	340	344	347	353
35	301	350	354	358	362	366	370	375
37.8	323	373	376	381	385	390	393	399
40.6	347	396	400	405	409	414	418	424
43.3	371	421	425	430	435	440	444	451
46.1	397	447	452	457	461	467	471	478
48.9	424	474	479	485	489	495	500	507
51.7	452	503	508	514	519	525	530	537

INCLUDED ITEMS

			
Air conditioner	Installation and Operation Manual Owner Manual (1EA)	Filter Drier (1EA)	Water Supply Hose
			
Terminal (for IoT module indoor installation) (1EA)	Condenser Pads (4EA)	Hose Clamp (Drain Hose to Unit) (1EA)	Retaining Clip (Supply Hose to Unit) (5EA)
			
Shut-off Valve (1EA)	Check Valve (1EA)	Drain Hose (1EA)	Water Supply Strainer (1EA)
			
Connect Fitting (1EA)			

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