NAA-17 Series Air Conditioner
Technical Data Sheet

- Rated according to applicable U.S. Dept. of Energy (DOE) test procedures
- Certified design according to the latest edition of UL 60335-2-40
- Up to 18 SEER2
- Variable speed compressor with Intelligent capacity matching inverter control
- Designed and approved for R454B refrigerant
- Lineset installation up to 100 ft
- Front seated service valves
- Filter drier included (field installed)
- Crankcase heater
- Sound level as low as 61 dBA (in low speed)
- High efficiency, ECM variable speed condenser fan assembly
- Compatible with 24V thermostats
- Gold Fin corrosion-resistant coil coating
- Durable powder coated finish
- 4-individual extruded louver coil access panels for quick, easy cleaning
- Navien Limited Warranty - 10 year Parts / 90 days Labor (product must be registered)



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

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Intertek

NOMENCLATURE

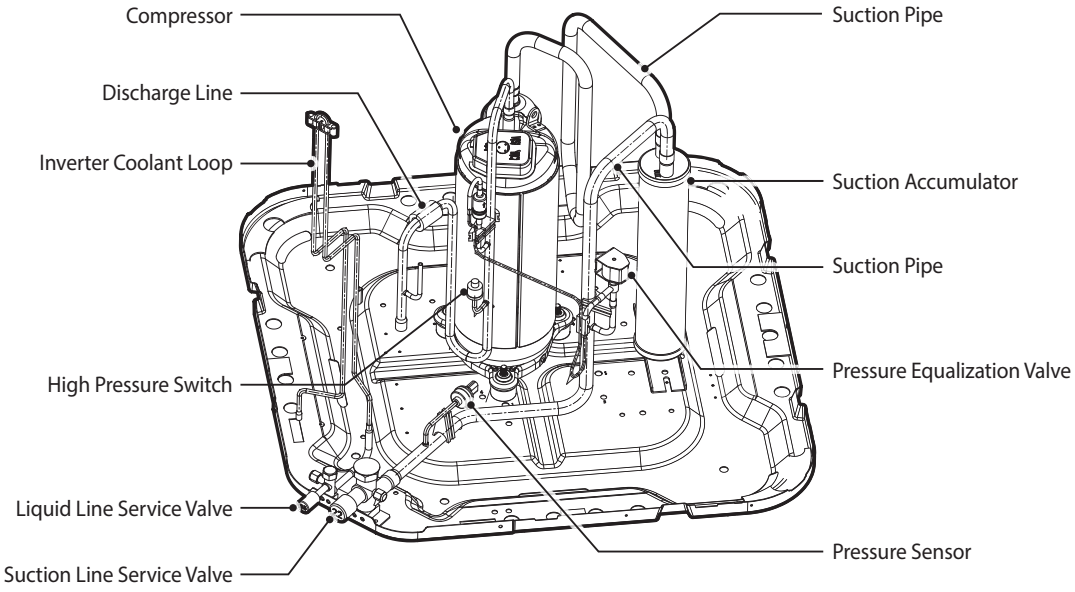
MODEL NUMBER NOMENCLATURE										
	N	**A**	**A**	**17**	**V**	**36**	**2**	**2**	**A**	**1**
	I	**II**	**III**	**IV**	**V**	**VI**	**VII**	**VIII**	**IX**	**X**
I	**Brand** N = Navien									
II	**Business Unit** A = Air									
III	**Product** A = A/C Conventional									
IV	**Nominal Eifficiency** 17 = 17 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**									

SPECIFICATIONS

Model		NAA17V36	NAA17V60
Electrical Data	Voltage (V) – Phase (Ph) – Hertz (Hz)	230 – 1 – 60	
	Minimum Circuit Ampacity (A)	20	30
	Max. Overcurrent Protection (A)	30	45
	Min / Max Volts (V)	187 / 253	
Compressor	Type	Rotary	
	Hz	18-78	
	Rated Current (RLA) (A)	12.8	20
	LRA	52	58.1
Fan Motor	Power Supply	DC	
	RLA (A)	1.8	
	Maximum Speed (rpm)	1100	
	HP	1/4	
	FLA (A)	1.8	
Coil	Number of Rows	2	
	Tube Outside Diameter (inch)	9/32	
	Tube Pitch × Row Pitch (inch)	0.83 × 0.53	
	Net Face Area (sq. ft.)	13.75	18.35
Unit	Dimension (WxDxH) (inch)	29-1/8 × 29-1/8 × 25	29-1/8 × 29-7/8 × 32-7/8
	Dimension (WxDxH) (cm)	74 x 74 x 74.5	74 x 74 x 83.5
	Packing (WxDxH) (inch)	29-7/8 × 29-7/8 × 29-3/8	29-7/8 × 29-7/8 × 37-1/4
	Packing (WxDxH) (cm)	76 x 76 x 74.5	76 x 76 x 94.5
	Net / Gross Weight (lbs)	137 / 166	185 / 214
	Net / Gross Weight (kg)	62 / 75	84 / 97
Refrigerant System	Refrigerant	R454B	
	Liquid Line (inch)	3/8	
	Vapor Line (inch)	3/4	7/8
	Factory Charge (oz)	111.1	155.2
	Max. Line Length (ft)	100	
	Max. Vertical Lift (ft)	50	
Operating Temperature	Cooling Mode (°F (°C))	5~124 (-15~51.2)	

Note: Maximum allowable lineset length is 100 ft
Maximum allowable vertical lift length is 50 ft

COMPONENTS



SOUND POWER DATA

Capacity	Mode	Sound Power Level [dBA]	Full octave sound power level [dBA]						
			Center frequency [Hz]						
		Lw (AHRI 270 125~8000 Hz)	125	250	500	1000	2000	4000	8000
3 Ton	Low	**61**	48	50.9	50.7	44.1	35.8	38.1	35.6
	High	**81**	64	70.3	70.4	67.7	62.1	58.7	52.5
5 Ton	Low	**61**	48.5	50.9	51.9	45.7	38.4	39.1	35.9
	High	**82**	68.6	67.4	71	66.2	61.9	56.3	49.6

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

AHRI 210/240 Performance Data

Indoor System Type	Nominal Ton	AHRI Ref. #	Outdoor Model No.	Indoor Model No.	Furnace Model No.	Cooling Capacity (95F), BTU/h	EER2[1]	SEER2[2]
Constant Torque Air Handler	2T	218325030	NAA17V3622A1	NASS24B2T2A1	-	24000	11.5	17.0
	3T	218325032	NAA17V3622A1	NASS36C2T2A1	-	33000	10.5	15.2
	4T	218325034	NAA17V6022A1	NASS48D2T2A1	-	45000	11.0	16.5
	5T	218325036	NAA17V6022A1	NASS59D2T2A1	-	50000	10.0	15.5
Variable Speed Air Handler	2T	218325029	NAA17V3622A1	NASV24B2T2A1	-	24000	11.5	17.5
	3T	218325031	NAA17V3622A1	NASV36C2T2A1	-	33000	10.5	17.5
	4T	218325033	NAA17V6022A1	NASV48D2T2A1	-	45000	10.5	18.0
	5T	218325035	NAA17V6022A1	NASV59D2T2A1	-	50000	10.2	17.5
NDF 2-Stage Furnace + Cased Coil	2T	218696869	NAA17V3622A1	NAM24B2TA1	NDF600-050M2V3B	24000	11.0	17.0
	2T	218696870	NAA17V3622A1	NAM24B2TA1	NDF600-070M2V3B	24000	11.0	17.0
	3T	218696876	NAA17V3622A1	NAM36B2TA1	NDF600-050M2V3B	33000	9.8	16.5
	3T	218696877	NAA17V3622A1	NAM36B2TA1	NDF600-070M2V3B	33000	9.8	16.5
	3T	218696873	NAA17V3622A1	NAM36C2TA1	NDF600-050M2V3B	31000	9.8	15.2
	3T	218696874	NAA17V3622A1	NAM36C2TA1	NDF600-070M2V3B	31000	9.8	15.2
	3T	218696875	NAA17V3622A1	NAM36C2TA1	NDF600-070M2V4C	32000	9.8	15.5
	3T	218696872	NAA17V3622A1	NAM36C2TA1	NDF600-090M2V5C	31400	9.8	15.5
	3T	218696871	NAA17V3622A1	NAM36C2TA1	NDF600-105M2V5C	31400	9.8	15.5
	4T	218696878	NAA17V6022A1	NAM48C2TA1	NDF600-070M2V4C	45000	9.8	16.0
	4T	218696879	NAA17V6022A1	NAM48C2TA1	NDF600-090M2V5C	45000	10.0	16.5
	4T	218696880	NAA17V6022A1	NAM48C2TA1	NDF600-105M2V5C	45000	10.0	16.5
	5T	218696882	NAA17V6022A1	NAM59C2TA1	NDF600-070M2V4C	50000	9.8	15.2
	5T	218696883	NAA17V6022A1	NAM59C2TA1	NDF600-090M2V5C	50000	9.8	16.2
	5T	218696884	NAA17V6022A1	NAM59C2TA1	NDF600-105M2V5C	50000	9.8	16.2
	5T	218696881	NAA17V6022A1	NAM59D2TA1	NDF600-070M2V4C	50000	9.8	15.7
	5T	218696885	NAA17V6022A1	NAM59D2TA1	NDF600-090M2V5C	50000	9.8	16.5
	5T	218696886	NAA17V6022A1	NAM59D2TA1	NDF600-105M2V5C	50000	9.8	16.5

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

AHRI 210/240 Performance Data

Indoor System Type	Nominal Ton	AHRI Ref. #	Outdoor Model No.	Indoor Model No.	Furnace Model No.	Cooling Capacity (95F), BTU/h	EER2[1]	SEER2[2]
NPF Modulating Furnace + Cased Coil	2T	218004852	NAA17V3622A1	NAM24B2TA1	NPF700-060U3BH	24000	11.5	18.0
	2T	218004851	NAA17V3622A1	NAM24B2TA1	NPF700-060H3BH	24000	11.5	18.0
	2T	218088714	NAA17V3622A1	NAM24B2TA1	NPF700-060D3BH	24000	11.5	18.0
	2T	218004854	NAA17V3622A1	NAM24B2TA1	NPF700-080U3BH	24000	11.5	18.0
	2T	218004853	NAA17V3622A1	NAM24B2TA1	NPF700-080H3BH	24000	11.5	18.0
	2T	218088715	NAA17V3622A1	NAM24B2TA1	NPF700-080D3BH	24000	11.5	18.0
	3T	218004856	NAA17V3622A1	NAM36B2TA1	NPF700-060U3BH	33000	10.0	17.5
	3T	218004855	NAA17V3622A1	NAM36B2TA1	NPF700-060H3BH	33000	10.0	17.5
	3T	218088716	NAA17V3622A1	NAM36B2TA1	NPF700-060D3BH	33000	10.0	17.5
	3T	218004858	NAA17V3622A1	NAM36B2TA1	NPF700-080U3BH	33000	10.0	17.5
	3T	218004857	NAA17V3622A1	NAM36B2TA1	NPF700-080H3BH	33000	10.0	17.5
	3T	218088717	NAA17V3622A1	NAM36B2TA1	NPF700-080D3BH	33000	10.0	17.5
	3T	218088724	NAA17V3622A1	NAM36C2TA1	NPF700-060U3BH	33000	10.0	17.3
	3T	218088721	NAA17V3622A1	NAM36C2TA1	NPF700-060H3BH	33000	10.0	17.3
	3T	218088718	NAA17V3622A1	NAM36C2TA1	NPF700-060D3BH	33000	10.0	17.5
	3T	218088725	NAA17V3622A1	NAM36C2TA1	NPF700-080U3BH	33000	10.0	17.3
	3T	218088722	NAA17V3622A1	NAM36C2TA1	NPF700-080H3BH	33000	10.0	17.3
	3T	218088719	NAA17V3622A1	NAM36C2TA1	NPF700-080D3BH	33000	10.0	17.5
	3T	218088726	NAA17V3622A1	NAM36C2TA1	NPF700-100U5CH	33000	10.0	17.3
	3T	218088723	NAA17V3622A1	NAM36C2TA1	NPF700-100H5CH	33000	10.0	16.8
	3T	218088720	NAA17V3622A1	NAM36C2TA1	NPF700-100D5CH	33000	10.0	17.5
	4T	218004860	NAA17V6022A1	NAM48C2TA1	NPF700-100U5CH	45000	10.0	17.5
	4T	218004859	NAA17V6022A1	NAM48C2TA1	NPF700-100H5CH	45000	10.0	17.5
	4T	218088727	NAA17V6022A1	NAM48C2TA1	NPF700-100D5CH	45000	10.0	17.3
	5T	218004862	NAA17V6022A1	NAM59C2TA1	NPF700-100U5CH	50000	9.8	16.5
	5T	218004861	NAA17V6022A1	NAM59C2TA1	NPF700-100H5CH	50000	9.8	16.5
	5T	218088728	NAA17V6022A1	NAM59C2TA1	NPF700-100D5CH	50000	9.8	16.5
	5T	218156674	NAA17V6022A1	NAM59D2TA1	NPF700-100U5CH	50000	9.8	16.5
	5T	218156675	NAA17V6022A1	NAM59D2TA1	NPF700-100H5CH	50000	9.8	16.5
	5T	218088729	NAA17V6022A1	NAM59D2TA1	NPF700-100D5CH	50000	9.8	16.5

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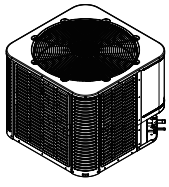
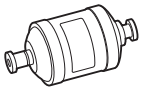
[1] Energy Efficiency Ratio; Certified per AHRI 210/240
[2] Seasonal Energy Efficiency Ratio; Certified per AHRI 210/240

SUBCOOLING TEMPERATURE AND PRESSURE DATA

Subcooling – Liquid Line Temperature and Gauge Pressure								
Liquid Line Temp (°F)	Subcooling Value (°F)							
	6	7	8	9	10	11	12	13
	Liquid Gauge Pressure (PSI)							
55	164	167	170	172	175	178	181	184
60	178	181	184	187	191	194	197	200
65	194	197	200	203	206	210	213	217
70	210	213	217	220	223	227	230	234
75	227	230	234	238	241	245	249	252
80	245	249	252	256	260	264	268	272
85	264	268	272	276	280	284	288	292
90	284	288	292	297	301	305	309	314
95	305	309	314	318	323	327	332	336
100	327	332	336	341	346	351	355	360
105	351	355	360	365	370	375	380	385
110	375	380	385	390	396	401	406	412
115	401	406	412	417	422	428	433	439
120	428	433	439	445	450	456	462	468
125	456	462	468	474	480	486	492	498

Subcooling – Ambient Temperature and Air Conditioner Capacity						
Subcooling (°F)		Ambient Temperature (°F)				
		68-77	77-86	86-95	95-104	104-113
Model	NAA17V36	10±2	8±2	8±2	6±2	6±2
	NAA17V60	8±2	8±2	8±2	6±2	6±2

INCLUDED ITEMS

		
Air Conditioner	Installation and Operation Manual	Filter Drier

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Publication Date: Apr. 2026