Heating & Air Conditioning
Amana
AMERICA'S BRAND FOR COMFORT™

AZV9S

S-SERIES

UP TO 21.0 SEER2 & 10.0 HSPF2
2 AND 3 TONS

AMANA S - SERIES, ALL CLIMATE
HIGH-EFFICIENCY, VARIABLE-SPEED, INVERTER DRIVEN SIDE DISCHARGE R-32 SPLIT SYSTEM HEAT PUMP

Contents

R32

Standard Features

- Variable-speed swing compressors
- Strong heating capacity (Met the requirements of the U.S. Department of Energy (DOE) Residential Cold Climate Heat Pump Challenge)
- Suitable for high-ambient regions
- Quiet digitally commutated fan motor
- High-density compressor sound blanket
- Compatible with Amana Smart Thermostat and other Amana communicating equipment
- Compatible with AHRI 1380 Demand Response functionality Proprietary control algorithmic logic
- In communicating mode, only two low-voltage wires to outdoor unit required
- Diagnostic indicator lights, seven-segment LED display, and fault code storage
- Propietary Inside intelligence for diagnostics
- Quiet-mode - provides enhanced acoustical comfort, up to 3 different sound levels (as low as 47dBA)
- Field-selectable boost mode increases compressor speed during unusually high loads
- Field-installed bi-flow filter drier
- Coil and ambient temperature sensors
- Suction pressure transducer
- Sweat connection service valves with easy access to gauge ports
- 3-Stage Heater Kit Available as a Field Installed Option
- Hot gas base pan eliminates extra drain pan heater down to 5°F
- AHRI Certified; ETL Listed

Cabinet Features

- Heavy-gauge galvanized steel cabinet with grille-style sound control side design
- Custom Ivory white powder-paint finish
- High corrosion (ZAM®), unpainted steel bottom frame and legs
- 500-hour salt-spray tested
- Wire fan discharge grille
- Top and side maintenance access
- When properly anchored, meets the 2023 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)

Most Efficient 2025 ENERGY STAR www.energystar.gov

ENERGY STAR COLD CLIMATE

ENERGY STAR

Products that are recognized as the Most Efficient of **ENERGY STAR®** in 2025 prevent greenhouse gas emissions by meeting rigorousenergy efficiency performance levels set by the U.S. Environmental Protection Agency.

* Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet **ENERGY STAR®** criteria. Ask your contractor for details or visit www.energystar.gov.

Eligible for IRA Tax Credit
(Meets New CEE 2025 Specification)

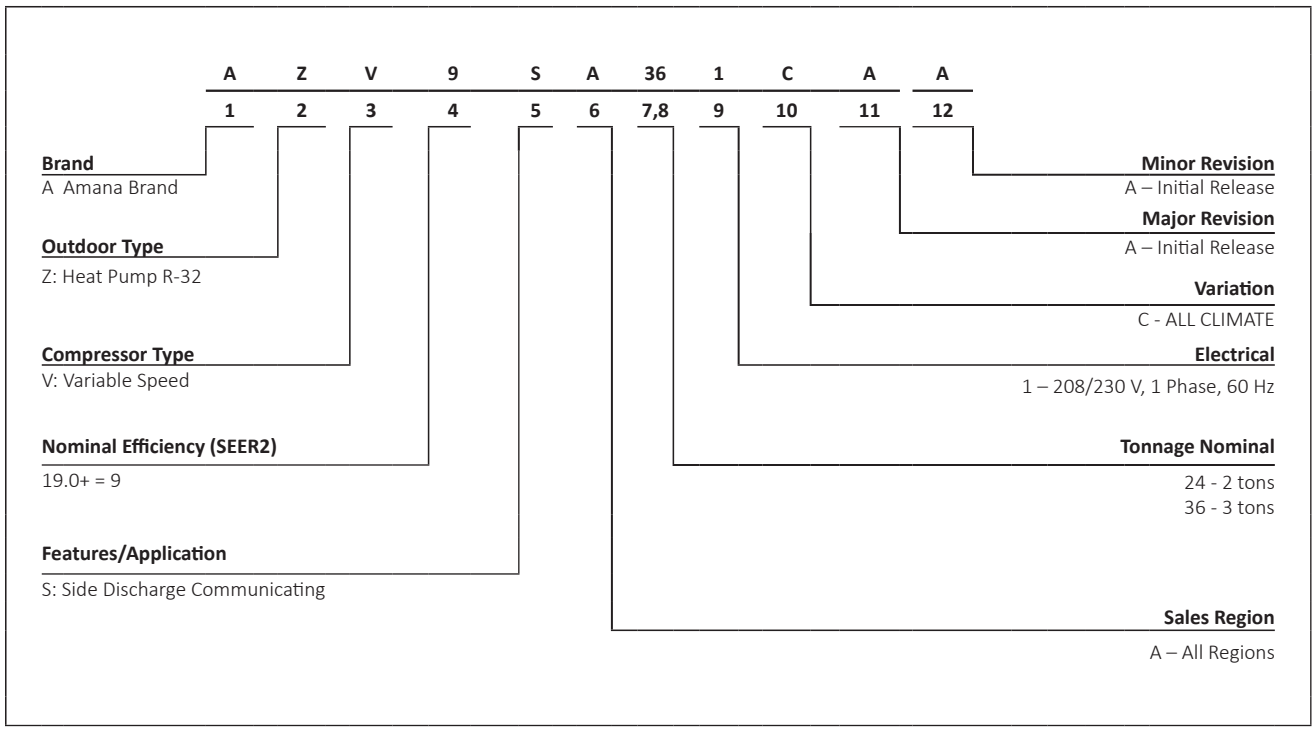
10 YEAR PARTS LIMITED WARRANTY* | 10 YEAR UNIT REPLACEMENT LIMITED WARRANTY* | ONE-TIME UNIT REPLACEMENT OFFERED BY ASURE (YEARS 11-99)‡ | ONE-TIME COMPRESSOR REPLACEMENT OFFERED BY ASURE (YEARS 11-99)‡ | AHRI CERTIFIED | c ETL us LISTED Intertek

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001 =

COMPANY WITH ENVIRONMENTAL SYSTEM CERTIFIED BY DNV GL = ISO 14001 =

* Complete warranty available from your local dealer or at www.amana-hac.com. To receive the 10-Year Parts Limited Warranty and/or 10-Year Unit Replacement Limited Warranty (good for as long as you own your home), online registration must be completed within 60 days of installation. Online registration is not required in California, Florida, or Québec. The duration of warranty coverages in Texas and Florida differs in some cases. Changes in law, regulations, or technology may result in an equivalent unit not being available. Other limitations and exclusions apply, refer to complete warranty details for full list of limitations and exclusions, as well as rights and obligations should an equivalent unit not be available.

‡ One-time Unit Replacement coverage and One-time Compressor Replacement coverage is available to the original homeowner for years 11-99 after the installation date through an *ASURE* Extend Service Plan. Complete details about the Extended Service Plan options available from your *ASURE* dealer.


A Z V 9 S A 36 1 C A A
1 2 3 4 5 6 7,8 9 10 11 12
Brand
A Amana Brand
Outdoor Type
Z: Heat Pump R-32
Compressor Type
V: Variable Speed
Nominal Efficiency (SEER2)
19.0+ = 9
Features/Application
S: Side Discharge Communicating
Minor Revision
A – Initial Release
Major Revision
A – Initial Release
Variation
C - ALL CLIMATE
Electrical
1 – 208/230 V, 1 Phase, 60 Hz
Tonnage Nominal
24 - 2 tons
36 - 3 tons
Sales Region
A – All Regions

	AZV9SA 241CA*	AZV9SA 361CA*
CAPACITIES (AHRI RATED)		
Max. Cooling (BTU/h)-95F	24,000	34,200
Max. Heating (BTU/h)-47F	24,000	34,200
Max. Heating (BTU/h)-5F	24,000	34,200
AMBIENT OPERATION RANGE		
Cooling (°FDB(°CDB))	0 to 115 (-17.8 to 46.1)	
Heating (°FDB(°CDB))	-20 to 70 (-28.9 to 21.1)	
COMPRESSOR		
Type	Swing	Swing
CONDENSER FAN MOTOR		
Horsepower	2 x 0.32	2 x 0.32
REFRIGERATION SYSTEM		
Refrigerant Line Size[1]		
Liquid Line Size (“O.D.)	⅜"	⅜"
Suction Line Size (“O.D.)	⅞"	⅞"
Refrigerant Connection Size		
Liquid Valve Size (“O.D.)	⅜"	⅜"
Suction Valve Size (“O.D.)	⅞"	⅞"
Valve Connection Type	Front and Back Sealing	Front and Back Sealing
Refrigerant Charge (oz.)	162	162
Expansion Device	EEV	EEV
Superheat at Service Valve	Auto-control	Auto-control
Subcooling at Service Valve	11±1°F	9±1°F
ELECTRICAL DATA		
Voltage / Phase (60 Hz)	208-230/1	208-230/1
Fan/Compressor Inverter Drive Input	8.0	12.0
Minimum Circuit Ampacity[2]	17.4	21.8
Max. Overcurrent Protection[3]	20	25
Min / Max Volts	197/253	197/253
Electrical Conduit Size	½" or ¾"	½" or ¾"
EQUIPMENT WEIGHT (LBS)	230	230
SHIP WEIGHT (LBS)	265	265
ENERGY STAR® CERTIFIED	Most Efficient 2025 ENERGY STAR COLD CLIMATE	Most Efficient 2025 ENERGY STAR COLD CLIMATE

[1] Tested and rated in accordance with AHRI Standard 210/240

[2] Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes

[3] Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

NOTES

- Always check the S&R plate for electrical data on the unit being installed.
- Installer will need to supply ⅞” to 1⅛” adapters for suction line connections.
- Unit is charged with refrigerant for 15’ of ¾” liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.

(See table below for allowable line set diameter)

ENERGY STAR NOTES

Proper sizing and installation of equipment is critical to achieving optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet **ENERGY STAR** criteria. Ask your contractor for details or visit www.energystar.gov. The www.energystar.gov website provides up-to-date system combinations certified to meet **ENERGY STAR** requirements.

UNIT TONS	ALLOWABLE LINE SET DIAMETER				
	LIQUID		SUCTION		
	5/16	⅜	⅝	¾	⅞
2.0	x	x	x	x	x
3.0	x	x		x	x

x Allowable combination

OUTDOOR UNIT	**AZV9S*361*A***	TRIM MORE THAN 5% SETTINGS ARE INVALID. TRIMMED UP CFM MAKES MISS MATCHING ERROR.
INDOOR UNIT	A*VT960403B / 0603B A*VM970603B A*VT800603B / 0803B A*VS960603BU	

			OUTDOOR AMBIENT TEMPERATURE																							
			65°F				75°F				85°F				95°F				105°F				115°F			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB*	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	770	MBh	25.0	25.3	26.1		24.5	24.9	25.6		23.7	24.0	24.7		22.4	22.7	23.4		20.8	21.2	21.9		19.4	19.8	20.5	
		S/T	0.63	0.54	0.40		0.63	0.55	0.41		0.65	0.57	0.43		0.67	0.59	0.45		0.69	0.61	0.47		0.74	0.66	0.52	
		ΔT	20	18	15		20	18	14		19	18	14		19	17	14		18	17	13		19	17	14	
		kW	1.26	1.26	1.26		1.47	1.47	1.46		1.70	1.70	1.70		1.97	1.97	1.96		2.27	2.27	2.26		2.63	2.63	2.62	
		Amps	6.0	6.0	5.9		6.7	6.7	6.7		7.5	7.5	7.5		8.4	8.4	8.4		9.3	9.3	9.3		10.5	10.5	10.4	
		Hi PR	218	219	221		257	258	260		299	300	301		345	346	347		395	396	397		450	451	452	
		Lo PR	129	133	140		133	137	144		136	140	147		137	141	148		138	142	149		140	143	151	
	900	MBh	25.4	25.7	26.5		24.9	25.3	26.0		24.0	24.4	25.1		22.7	23.1	23.8		21.2	21.5	22.3		19.8	20.1	20.9	
		S/T	0.71	0.63	0.48		0.71	0.63	0.49		0.73	0.65	0.51		0.75	0.67	0.53		0.77	0.69	0.55		0.82	0.74	0.60	
		ΔT	19	17	13		18	16	13		18	16	13		18	16	13		17	15	12		18	16	13	
		kW	1.27	1.27	1.27		1.48	1.48	1.47		1.71	1.71	1.71		1.98	1.98	1.97		2.28	2.28	2.28		2.64	2.64	2.64	
		Amps	6.0	6.0	6.0		6.8	6.8	6.7		7.6	7.6	7.6		8.4	8.4	8.4		9.4	9.4	9.4		10.5	10.5	10.5	
		Hi PR	221	222	223		260	260	262		301	302	304		347	348	350		397	398	400		452	453	455	
		Lo PR	132	135	143		135	139	147		138	142	149		139	143	150		140	144	151		142	145	153	
	1040	MBh	25.8	26.2	26.9		25.4	25.7	26.5		24.5	24.9	25.6		23.2	23.6	24.3		21.7	22.0	22.7		20.3	20.6	21.3	
		S/T	0.75	0.67	0.52		0.75	0.67	0.53		0.77	0.69	0.55		0.79	0.71	0.57		0.81	0.73	0.59		0.99	0.78	0.64	
		ΔT	18	16	12		17	15	12		17	15	12		17	15	12		16	14	11		17	15	12	
		kW	1.28	1.28	1.28		1.49	1.48	1.48		1.72	1.72	1.72		1.99	1.98	1.98		2.29	2.29	2.28		2.65	2.65	2.65	
		Amps	6.1	6.0	6.0		6.8	6.8	6.8		7.6	7.6	7.6		8.5	8.5	8.5		9.4	9.4	9.4		10.5	10.5	10.5	
		Hi PR	223	224	225		262	263	264		303	304	306		349	350	352		400	401	402		454	455	457	
		Lo PR	134	138	145		138	142	149		140	144	152		142	145	153		142	146	153		144	148	155	
75	770	MBh	25.0	25.3	26.1	27.2	24.5	24.9	25.6	26.8	23.7	24.0	24.8	25.9	22.4	22.7	23.4	24.6	20.8	21.2	21.9	23.0	19.4	19.8	20.5	21.6
		S/T	0.76	0.68	0.54	0.39	1.00	0.69	0.54	0.39	1.00	0.71	0.57	0.42	1.00	0.73	0.58	0.44	1.00	0.75	0.61	0.46	0.99	0.80	0.66	0.51
		ΔT	24	22	19	15	24	22	18	15	23	22	18	15	23	21	18	14	22	20	17	14	23	21	18	15
		kW	1.26	1.26	1.26	1.27	1.47	1.46	1.46	1.47	1.70	1.70	1.70	1.71	1.97	1.96	1.96	1.97	2.27	2.27	2.26	2.28	2.63	2.63	2.62	2.64
		Amps	6.0	6.0	5.9	6.0	6.7	6.7	6.7	6.7	7.5	7.5	7.5	7.6	8.4	8.4	8.4	8.4	9.3	9.3	9.3	9.4	10.5	10.4	10.4	10.5
		Hi PR	219	220	221	225	257	258	260	264	299	300	302	306	345	346	347	351	395	396	398	402	450	451	452	457
		Lo PR	129	133	140	152	133	137	144	156	136	140	147	158	137	141	148	159	138	142	149	160	140	144	151	162
	900	MBh	25.4	25.7	26.5	27.6	24.9	25.3	26.0	27.2	24.1	24.4	25.1	26.3	22.7	**23.1**	23.8	24.9	21.2	21.6	22.3	23.4	19.8	20.2	20.9	22.0
		S/T	0.84	0.76	0.62	0.47	1.00	0.77	0.62	0.47	1.00	0.79	0.65	0.50	1.00	**0.81**	0.66	0.51	1.00	0.83	0.68	0.54	0.99	0.88	0.74	0.59
		ΔT	23	21	17	14	22	20	17	14	22	20	17	14	21	**20**	16	13	21	19	16	13	21	20	17	13
		kW	1.27	1.27	1.27	1.28	1.48	1.47	1.47	1.48	1.71	1.71	1.71	1.72	1.98	**1.97**	1.97	1.99	2.28	2.28	2.27	2.29	2.64	2.64	2.64	2.65
		Amps	6.0	6.0	6.0	6.0	6.8	6.7	6.7	6.8	7.6	7.6	7.5	7.6	8.4	**8.4**	8.4	8.5	9.4	9.4	9.4	9.4	10.5	10.5	10.5	10.5
		Hi PR	221	222	223	227	260	261	262	266	301	302	304	308	347	**348**	350	354	397	398	400	404	452	453	455	459
		Lo PR	132	135	143	154	135	139	147	158	138	142	149	161	139	**143**	150	162	140	144	151	162	142	145	153	164
	1040	MBh	25.9	26.2	27.0	28.1	25.4	25.8	26.5	27.6	24.5	24.9	25.6	26.7	23.2	23.6	24.3	25.4	21.7	22.0	22.7	23.9	20.3	20.6	21.3	22.4
		S/T	1.00	0.80	0.66	0.51	1.00	0.81	0.66	0.51	1.00	0.83	0.69	0.54	1.00	0.85	0.70	0.55	1.00	0.87	0.72	0.57	0.99	0.92	0.77	0.63
		ΔT	22	20	16	13	21	19	16	13	21	19	16	13	20	19	15	12	20	18	15	12	20	19	16	12
		kW	1.28	1.28	1.27	1.29	1.48	1.48	1.48	1.49	1.72	1.72	1.72	1.73	1.99	1.98	1.98	1.99	2.29	2.29	2.28	2.30	2.65	2.65	2.64	2.66
		Amps	6.0	6.0	6.0	6.1	6.8	6.8	6.8	6.8	7.6	7.6	7.6	7.6	8.5	8.5	8.5	8.5	9.4	9.4	9.4	9.5	10.5	10.5	10.5	10.6
		Hi PR	223	224	226	229	262	263	264	268	304	305	306	310	349	350	352	356	400	401	402	406	455	456	457	461
		Lo PR	134	138	145	157	138	142	149	161	140	144	152	163	142	146	153	164	142	146	153	165	144	148	155	166

IDB*: Entering Indoor Dry Bulb Temperature

Shaded area is ACCA (TVA) conditions

kW = Total system power

High and low pressures are measured at the liquid and suction service valves.

Amps = outdoor unit amps

Airflow may vary depending on actual ambient conditions and system operation modes.

			OUTDOOR AMBIENT TEMPERATURE																							
			65°F				75°F				85°F				95°F				105°F				115°F			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB*	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	770	MBh	25.1	25.5	26.2	27.4	24.7	25.0	25.8	26.9	23.8	24.2	24.9	26.0	22.5	22.8	23.6	24.7	21.0	21.3	22.0	23.1	19.6	19.9	20.6	21.7
		S/T	1.00	0.81	0.67	0.52	1.00	0.82	0.67	0.52	1.00	0.84	0.70	0.55	1.00	0.86	0.72	0.57	1.00	0.88	0.74	0.59	0.99	0.93	0.79	0.64
		ΔT	28	26	23	19	28	26	22	19	27	26	22	19	26	25	22	18	26	24	21	18	26	25	21	18
		kW	1.26	1.26	1.26	1.27	1.47	1.47	1.46	1.47	1.70	1.70	1.70	1.71	1.97	1.96	1.96	1.98	2.27	2.27	2.26	2.28	2.63	2.63	2.62	2.64
		Amps	6.0	6.0	5.9	6.0	6.7	6.7	6.7	6.7	7.5	7.5	7.5	7.6	8.4	8.4	8.4	8.4	9.3	9.3	9.3	9.4	10.5	10.5	10.4	10.5
		Hi PR	219	220	222	225	258	259	260	264	299	300	302	306	345	346	348	352	395	396	398	402	450	451	453	457
		Lo PR	130	134	141	152	134	138	145	156	136	140	148	159	138	142	149	160	138	142	149	161	140	144	151	162
	900	MBh	25.5	25.9	26.6	27.7	25.1	25.4	26.1	27.3	24.2	24.5	25.3	26.4	22.9	23.2	**24.0**	25.1	21.3	21.7	22.4	23.5	19.9	20.3	21.0	22.1
		S/T	1.00	0.89	0.75	0.60	1.00	0.90	0.75	0.60	1.00	0.92	0.78	0.63	1.00	0.94	**0.80**	0.65	1.00	0.96	0.82	0.67	0.99	0.99	0.87	0.72
		ΔT	27	25	22	18	26	24	21	18	26	24	21	17	25	23	**20**	17	24	23	20	16	25	23	20	17
		kW	1.27	1.27	1.27	1.28	1.48	1.48	1.47	1.48	1.71	1.71	1.71	1.72	1.98	1.98	**1.97**	2.01	2.28	2.28	2.28	2.29	2.64	2.64	2.64	2.65
		Amps	6.0	6.0	6.0	6.1	6.8	6.8	6.7	6.8	7.6	7.6	7.6	7.6	8.4	8.4	**8.4**	8.5	9.4	9.4	9.4	9.4	10.5	10.5	10.5	10.5
		Hi PR	221	222	224	228	260	261	263	267	302	303	304	308	348	349	**350**	354	398	399	401	405	453	454	455	459
		Lo PR	132	136	143	155	136	140	147	159	139	143	150	161	140	144	**151**	162	140	144	152	163	142	146	153	164
	1040	MBh	26.0	26.3	27.1	28.2	25.5	25.9	26.6	27.8	24.7	25.0	25.7	26.9	23.3	23.7	24.4	25.5	21.8	22.1	22.9	24.0	20.4	20.7	21.5	22.6
		S/T	1.00	0.94	0.79	0.64	1.00	0.94	0.79	0.64	1.00	0.96	0.82	0.67	1.00	1.00	0.84	0.69	1.00	1.00	0.85	0.71	0.99	0.99	0.90	0.76
		ΔT	26	24	20	17	25	23	20	17	25	23	20	16	24	22	19	16	23	22	19	15	24	22	19	16
		kW	1.28	1.28	1.28	1.29	1.48	1.48	1.48	1.49	1.72	1.72	1.72	1.73	1.99	1.98	2.01	2.02	2.29	2.29	2.28	2.30	2.65	2.65	2.65	2.66
		Amps	6.1	6.0	6.0	6.1	6.8	6.8	6.8	6.8	7.6	7.6	7.6	7.6	8.5	8.5	8.5	8.5	9.4	9.4	9.4	9.5	10.5	10.5	10.5	10.6
		Hi PR	224	224	226	230	262	263	265	269	304	305	307	311	350	351	352	356	400	401	403	407	455	456	458	462
		Lo PR	135	139	146	158	139	143	150	162	141	145	152	164	142	146	153	165	143	147	154	165	144	148	155	167
85	770	MBh	25.5	25.9	26.6	27.8	25.1	25.4	26.2	27.3	24.2	24.6	25.3	26.4	22.9	23.3	24.0	25.1	21.4	21.7	22.4	23.5	20.0	20.3	21.0	22.1
		S/T	1.00	1.00	0.78	0.63	1.00	1.00	0.78	0.63	1.00	1.00	0.81	0.65	1.00	1.00	0.82	0.67	1.00	1.00	0.84	0.69	0.99	0.99	0.89	0.74
		ΔT	32	30	26	23	31	29	26	22	31	29	26	22	30	28	25	22	29	27	24	21	29	28	25	22
		kW	1.26	1.26	1.26	1.27	1.47	1.47	1.47	1.48	1.71	1.70	1.70	1.71	1.97	1.97	1.97	1.98	2.27	2.27	2.27	2.28	2.63	2.63	2.63	2.64
		Amps	6.0	6.0	6.0	6.0	6.7	6.7	6.7	6.8	7.5	7.5	7.5	7.6	8.4	8.4	8.4	8.4	9.4	9.4	9.3	9.4	10.5	10.5	10.5	10.5
		Hi PR	220	221	223	226	259	260	261	265	301	301	303	307	346	347	349	353	397	398	399	403	451	452	454	458
		Lo PR	132	136	143	155	136	140	147	159	138	142	150	161	139	143	151	162	140	144	151	162	142	146	153	164
	900	MBh	25.9	26.3	27.0	28.2	25.5	25.8	26.6	27.7	24.6	25.0	25.7	26.8	23.3	23.6	24.4	25.5	21.7	22.1	22.8	23.9	20.3	20.7	21.4	22.5
		S/T	1.00	1.00	0.86	0.71	1.00	1.00	0.86	0.71	1.00	1.00	0.88	0.73	1.00	1.00	0.90	0.75	1.00	1.00	0.92	0.77	0.99	0.99	0.97	0.82
		ΔT	30	29	25	22	30	28	25	21	29	28	24	21	29	27	24	20	28	26	23	20	28	27	23	20
		kW	1.27	1.27	1.27	1.28	1.48	1.48	1.48	1.49	1.72	1.71	1.71	1.72	1.98	1.98	2.02	2.03	2.28	2.28	2.28	2.29	2.64	2.64	2.64	2.65
		Amps	6.0	6.0	6.0	6.1	6.8	6.8	6.8	6.8	7.6	7.6	7.6	7.6	8.5	8.4	8.4	8.5	9.4	9.4	9.4	9.4	10.5	10.5	10.5	10.6
		Hi PR	222	223	225	229	261	262	264	268	303	304	305	309	349	350	351	355	399	400	402	406	454	455	456	461
		Lo PR	134	138	145	157	138	142	149	161	140	144	152	163	142	145	153	164	142	146	153	165	144	148	155	166
	1040	MBh	26.4	26.8	27.5	28.7	26.0	26.3	27.0	28.2	25.1	25.4	26.2	27.3	23.8	24.1	24.8	25.9	22.2	22.6	23.3	24.4	20.8	21.1	21.9	23.0
		S/T	1.00	1.00	0.90	0.75	1.00	1.00	0.90	0.75	1.00	1.00	0.92	0.77	1.00	1.00	0.94	0.79	1.00	1.00	0.96	0.81	0.99	0.99	0.99	0.86
		ΔT	29	27	24	20	29	27	24	20	28	27	23	20	28	26	23	19	27	25	22	19	27	26	22	19
		kW	1.28	1.28	1.28	1.29	1.49	1.49	1.48	1.50	1.72	1.72	1.72	1.73	1.99	1.99	2.03	2.04	2.29	2.29	2.29	2.30	2.65	2.65	2.65	2.66
		Amps	6.1	6.1	6.0	6.1	6.8	6.8	6.8	6.8	7.6	7.6	7.6	7.7	8.5	8.5	8.5	8.5	9.4	9.4	9.4	9.5	10.6	10.5	10.5	10.6
		Hi PR	225	225	227	231	263	264	266	270	305	306	308	312	351	352	354	358	401	402	404	408	456	457	459	463
		Lo PR	137	141	148	160	140	144	152	164	143	147	154	166	144	148	155	167	144	148	156	167	146	150	157	168

IDB*: Entering Indoor Dry Bulb Temperature

Shaded area is AHRI conditions

kW = Total system power

High and low pressures are measured at the liquid and suction service valves.

Amps = outdoor unit amps

Airflow may vary depending on actual ambient conditions and system operation modes.

			OUTDOOR AMBIENT TEMPERATURE																			
			65°F				75°F				85°F				95°F				105°F				115°F			
			ENTERING INDOOR WET BULB TEMPERATURE																							
IDB*	AIRFLOW		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	1230	MBh	36.8	37.3	38.4		35.8	36.3	37.3		34.1	34.6	35.7		31.9	32.4	33.4		29.4	29.8	30.9		27.1	27.5	28.5	
		S/T	0.67	0.58	0.43		0.66	0.58	0.43		0.68	0.60	0.45		0.69	0.61	0.46		0.70	0.62	0.48		0.74	0.66	0.52	
		ΔT	19	17	14		18	17	14		18	16	13		17	16	13		16	15	12		17	15	13	
		kW	1.92	1.92	1.91		2.19	2.19	2.19		2.50	2.50	2.50		2.85	2.84	2.84		3.23	3.23	3.23		3.69	3.69	3.69	
		Amps	7.6	7.6	7.5		8.7	8.7	8.7		9.9	9.9	9.9		11.3	11.3	11.3		12.8	12.8	12.8		14.7	14.7	14.7	
		Hi PR	241	242	244		283	284	285		327	328	330		375	376	378		428	429	431		485	486	488	
		Lo PR	128	132	139		132	136	143		135	139	146		136	140	147		137	140	147		138	142	149	
	1450	MBh	37.4	37.9	39.0		36.3	36.8	37.9		34.7	35.2	36.2		32.4	32.9	33.9		29.9	30.4	31.4		27.6	28.1	29.1	
		S/T	0.75	0.67	0.51		0.75	0.66	0.51		0.76	0.68	0.53		0.77	0.69	0.54		0.78	0.70	0.56		0.82	0.74	0.60	
		ΔT	18	16	13		17	15	12		17	15	12		16	14	12		15	14	11		16	14	11	
		kW	1.93	1.93	1.93		2.21	2.21	2.20		2.52	2.52	2.51		2.86	2.86	2.86		3.25	3.25	3.24		3.71	3.71	3.70	
		Amps	7.6	7.6	7.6		8.7	8.7	8.7		10.0	10.0	10.0		11.4	11.4	11.3		12.9	12.9	12.9		14.8	14.7	14.7	
		Hi PR	244	245	246		285	286	288		329	330	332		378	379	381		431	432	433		488	489	491	
		Lo PR	130	134	142		134	138	145		137	141	148		138	142	149		139	142	150		140	144	151	
	1670	MBh	38.1	38.6	39.7		37.0	37.5	38.6		35.4	35.9	36.9		33.1	33.6	34.6		30.5	31.0	32.0		28.2	28.7	29.7	
		S/T	0.80	0.71	0.56		0.79	0.70	0.55		0.80	0.72	0.57		0.81	0.73	0.58		0.82	0.74	0.60		0.86	0.78	0.64	
		ΔT	17	15	12		16	14	11		16	14	11		15	14	11		14	13	10		15	13	11	
		kW	1.95	1.95	1.94		2.22	2.22	2.21		2.53	2.53	2.53		2.87	2.87	2.87		3.26	3.26	3.26		3.72	3.72	3.72	
		Amps	7.7	7.7	7.7		8.8	8.8	8.8		10.0	10.0	10.0		11.4	11.4	11.4		13.0	13.0	12.9		14.8	14.8	14.8	
		Hi PR	246	247	249		288	289	290		332	333	335		380	381	383		433	434	436		490	491	493	
		Lo PR	133	137	144		137	141	148		139	143	150		140	144	151		141	145	152		142	146	153	
75	1230	MBh	36.8	37.3	38.4	40.1	35.8	36.3	37.4	39.0	34.1	34.6	35.7	37.3	31.9	32.4	33.4	35.0	29.4	29.9	30.9	32.4	27.1	27.6	28.6	30.1
		S/T	0.81	0.73	0.57	0.41	0.81	0.72	0.57	0.41	1.02	0.74	0.59	0.43	1.00	0.75	0.60	0.45	0.98	0.76	0.61	0.46	0.96	0.80	0.66	0.51
		ΔT	23	21	18	14	22	20	17	14	22	20	17	14	21	19	16	13	20	18	15	12	20	19	16	13
		kW	1.92	1.92	1.91	1.93	2.19	2.19	2.19	2.20	2.50	2.50	2.50	2.51	2.84	2.84	2.84	2.86	3.23	3.23	3.23	3.25	3.69	3.69	3.69	3.71
		Amps	7.6	7.6	7.5	7.6	8.7	8.7	8.7	8.7	9.9	9.9	9.9	10.0	11.3	11.3	11.3	11.3	12.8	12.8	12.8	12.9	14.7	14.7	14.7	14.7
		Hi PR	241	243	244	248	283	284	286	290	327	328	330	334	375	376	378	383	428	429	431	435	485	486	488	493
		Lo PR	128	132	139	151	132	136	143	155	135	139	146	157	136	140	147	158	137	140	147	158	138	142	149	160
	1450	MBh	37.4	37.9	39.0	40.7	36.3	36.8	37.9	39.6	34.7	35.2	36.3	37.9	32.4	**32.9**	34.0	35.6	29.9	30.4	31.4	33.0	27.6	28.1	29.1	30.6
		S/T	0.90	0.81	0.66	0.50	1.03	0.81	0.66	0.50	1.02	0.82	0.67	0.52	1.00	**0.83**	0.68	0.53	0.98	0.84	0.69	0.54	0.96	0.87	0.73	0.59
		ΔT	22	20	17	13	21	19	16	13	20	19	16	13	20	**18**	15	12	19	17	14	11	19	17	15	12
		kW	1.93	1.93	1.93	1.95	2.21	2.21	2.20	2.22	2.52	2.52	2.51	2.53	2.86	**2.86**	2.85	2.87	3.25	3.25	3.24	3.26	3.71	3.71	3.70	3.72
		Amps	7.6	7.6	7.6	7.7	8.7	8.7	8.7	8.8	10.0	10.0	10.0	10.0	11.4	**11.3**	11.3	11.4	12.9	12.9	12.9	13.0	14.7	14.7	14.7	14.8
		Hi PR	244	245	247	251	285	286	288	292	330	331	332	337	378	**379**	381	385	431	432	434	438	488	489	491	495
		Lo PR	130	134	142	153	134	138	146	157	137	141	148	159	138	**142**	149	160	139	142	150	161	140	144	151	162
	1670	MBh	38.1	38.6	39.7	41.4	37.0	37.5	38.6	40.3	35.4	35.9	36.9	38.6	33.1	33.6	34.6	36.2	30.6	31.0	32.1	33.6	28.3	28.7	29.7	31.2
		S/T	0.94	0.86	0.70	0.54	1.03	0.85	0.70	0.54	1.02	0.86	0.71	0.56	1.00	0.87	0.72	0.57	0.98	0.88	0.73	0.58	0.96	0.91	0.77	0.62
		ΔT	20	19	16	12	20	18	15	12	19	18	15	12	19	17	14	11	18	16	13	10	18	17	14	11
		kW	1.95	1.94	1.94	1.96	2.22	2.22	2.21	2.23	2.53	2.53	2.52	2.54	2.87	2.87	2.87	2.89	3.26	3.26	3.26	3.27	3.72	3.72	3.72	3.74
		Amps	7.7	7.7	7.7	7.7	8.8	8.8	8.8	8.8	10.0	10.0	10.0	10.1	11.4	11.4	11.4	11.5	13.0	12.9	12.9	13.0	14.8	14.8	14.8	14.9
		Hi PR	246	247	249	253	288	289	291	295	332	333	335	339	380	381	383	388	433	434	436	441	491	492	493	498
		Lo PR	133	137	144	156	137	141	148	160	139	143	150	162	140	144	151	163	141	145	152	163	142	146	153	164

IDB*: Entering Indoor Dry Bulb Temperature

Shaded area is ACCA (TVA) conditions

kW = Total system power

High and low pressures are measured at the liquid and suction service valves.

Amps = outdoor unit amps

Airflow may vary depending on actual ambient conditions and system operation modes.

			Outdoor Ambient Temperature																							
			65°F				75°F				85°F				95°F				105°F				115°F			
			Entering Indoor Wet Bulb Temperature																							
IDB*	Airflow		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	1230	MBh	37.0	37.5	38.6	40.3	36.0	36.5	37.6	39.2	34.3	34.8	35.9	37.5	32.1	32.6	33.6	35.2	29.6	30.0	31.1	32.6	27.3	27.7	28.7	30.3
		S/T	1.00	0.87	0.72	0.55	1.00	0.86	0.71	0.55	1.00	0.87	0.73	0.57	1.00	0.88	0.73	0.58	0.98	0.89	0.75	0.59	0.96	0.93	0.79	0.64
		ΔT	27	25	22	18	26	24	21	18	25	24	21	17	24	23	20	17	23	22	19	16	23	22	19	16
		kW	1.92	1.92	1.91	1.93	2.19	2.19	2.19	2.21	2.50	2.50	2.50	2.52	2.85	2.84	2.84	2.86	3.23	3.23	3.23	3.25	3.69	3.69	3.69	3.71
		Amps	7.6	7.6	7.5	7.6	8.7	8.7	8.7	8.7	9.9	9.9	9.9	10.0	11.3	11.3	11.3	11.3	12.8	12.8	12.8	12.9	14.7	14.7	14.7	14.7
		Hi PR	242	243	245	249	283	284	286	290	328	329	330	335	376	377	379	383	429	430	431	436	486	487	489	493
		Lo PR	129	133	140	151	133	137	144	155	135	139	146	158	136	140	147	159	137	141	148	159	139	143	150	160
	1450	MBh	37.6	38.1	39.2	40.9	36.5	37.0	38.1	39.8	34.9	35.4	36.4	38.1	32.6	33.1	**34.2**	35.7	30.1	30.6	31.6	33.1	27.8	28.3	29.2	30.8
		S/T	1.00	0.95	0.80	0.64	1.03	0.95	0.79	0.64	1.02	0.96	0.81	0.65	1.00	0.96	**0.82**	0.66	0.98	0.97	0.83	0.67	0.96	0.96	0.86	0.72
		ΔT	25	24	20	17	25	23	20	16	24	22	19	16	23	21	**18**	15	22	21	18	15	22	21	18	15
		kW	1.93	1.93	1.93	1.95	2.21	2.21	2.20	2.22	2.52	2.52	2.51	2.53	2.85	2.85	**2.85**	2.87	3.25	3.25	3.24	3.26	3.71	3.71	3.70	3.72
		Amps	7.6	7.6	7.6	7.7	8.7	8.7	8.7	8.8	10.0	10.0	10.0	10.0	11.4	11.3	**11.3**	11.4	12.9	12.9	12.9	13.0	14.8	14.7	14.7	14.8
		Hi PR	244	245	247	251	286	287	289	293	330	331	333	337	378	379	**381**	386	431	432	434	439	488	490	491	496
		Lo PR	131	135	142	154	135	139	146	158	137	141	149	160	138	142	**150**	161	139	143	150	161	141	145	152	163
	1670	MBh	38.3	38.8	39.9	41.6	37.2	37.7	38.8	40.5	35.6	36.1	37.1	38.7	33.3	33.8	34.8	36.4	30.7	31.2	32.2	33.8	28.4	28.9	29.9	31.4
		S/T	1.00	1.00	0.84	0.68	1.00	0.99	0.84	0.68	1.02	1.00	0.85	0.69	1.00	1.00	0.86	0.70	0.98	0.98	0.87	0.71	0.96	0.96	0.90	0.75
		ΔT	24	23	19	16	24	22	19	15	23	21	18	15	22	20	18	14	21	20	17	14	21	20	17	14
		kW	1.95	1.94	1.94	1.96	2.22	2.22	2.21	2.23	2.53	2.53	2.53	2.54	2.87	2.87	2.87	2.89	3.26	3.26	3.26	3.28	3.72	3.72	3.72	3.74
		Amps	7.7	7.7	7.7	7.7	8.8	8.8	8.8	8.8	10.0	10.0	10.0	10.1	11.4	11.4	11.4	11.5	13.0	13.0	12.9	13.0	14.8	14.8	14.8	14.9
		Hi PR	247	248	250	254	288	289	291	295	332	334	335	340	381	382	384	388	434	435	437	441	491	492	494	498
		Lo PR	134	138	145	156	137	141	149	160	140	144	151	163	141	145	152	163	141	145	152	164	143	147	154	165
85	1230	MBh	37.6	38.1	39.2	40.9	36.6	37.1	38.2	39.8	34.9	35.4	36.5	38.1	32.7	33.2	34.2	35.8	30.1	30.6	31.6	33.2	27.8	28.3	29.3	30.8
		S/T	1.00	0.98	0.83	0.67	1.00	1.00	0.82	0.66	1.00	1.00	0.84	0.68	1.00	1.00	0.84	0.69	0.98	0.98	0.85	0.70	0.96	0.96	0.89	0.74
		ΔT	30	28	25	22	29	27	24	21	28	27	24	21	27	26	23	20	26	25	22	19	26	25	22	19
		kW	1.92	1.92	1.92	1.94	2.20	2.20	2.19	2.21	2.51	2.51	2.50	2.52	2.85	2.85	2.84	2.86	3.24	3.24	3.23	3.25	3.70	3.70	3.69	3.71
		Amps	7.6	7.6	7.6	7.6	8.7	8.7	8.7	8.8	9.9	9.9	9.9	10.0	11.3	11.3	11.3	11.4	12.9	12.9	12.8	12.9	14.7	14.7	14.7	14.8
		Hi PR	243	244	246	250	284	286	287	292	329	330	331	336	377	378	380	384	430	431	433	437	487	488	490	494
		Lo PR	131	135	142	153	135	138	146	157	137	141	148	160	138	142	149	160	139	143	150	161	140	144	151	162
	1450	MBh	38.2	38.7	39.8	41.5	37.1	37.6	38.7	40.4	35.5	36.0	37.0	38.7	33.2	33.7	34.7	36.3	30.7	31.1	32.2	33.7	28.3	28.8	29.8	31.3
		S/T	1.00	1.05	0.92	0.75	1.00	1.03	0.91	0.75	1.02	1.02	0.92	0.76	1.00	1.00	0.92	0.77	0.98	0.98	0.93	0.78	0.96	0.96	0.96	0.82
		ΔT	29	27	24	20	28	26	23	20	27	26	23	19	26	25	22	19	25	24	21	18	25	24	21	18
		kW	1.94	1.94	1.93	1.95	2.21	2.21	2.21	2.23	2.52	2.52	2.52	2.54	2.87	2.86	2.86	2.88	3.26	3.25	3.25	3.27	3.72	3.71	3.71	3.73
		Amps	7.7	7.6	7.6	7.7	8.8	8.8	8.7	8.8	10.0	10.0	10.0	10.1	11.4	11.4	11.4	11.4	12.9	12.9	12.9	13.0	14.8	14.8	14.7	14.8
		Hi PR	246	247	248	252	287	288	290	294	331	332	334	338	380	381	382	387	432	434	435	440	490	491	493	497
		Lo PR	133	137	144	156	137	141	148	160	139	143	150	162	140	144	151	163	141	145	152	163	142	146	153	164
	1670	MBh	38.9	39.4	40.5	42.2	37.8	38.3	39.4	41.1	36.2	36.7	37.7	39.3	33.9	34.4	35.4	37.0	31.3	31.8	32.8	34.4	29.0	29.5	30.5	32.0
		S/T	1.00	1.05	0.96	0.80	1.00	1.00	0.95	0.79	1.00	1.00	0.96	0.80	1.00	1.00	0.97	0.81	0.98	0.98	0.97	0.82	0.96	0.96	0.96	0.86
		ΔT	28	26	23	19	27	25	22	19	26	25	22	18	25	24	21	18	24	23	20	17	24	23	20	17
		kW	1.95	1.95	1.95	1.96	2.23	2.22	2.22	2.24	2.54	2.53	2.53	2.55	2.88	2.88	2.87	2.89	3.27	3.27	3.26	3.28	3.73	3.73	3.72	3.74
		Amps	7.7	7.7	7.7	7.8	8.8	8.8	8.8	8.9	10.1	10.1	10.0	10.1	11.4	11.4	11.4	11.5	13.0	13.0	13.0	13.0	14.8	14.8	14.8	14.9
		Hi PR	248	249	251	255	289	290	292	296	334	335	336	341	382	383	385	389	435	436	438	442	492	493	495	500
		Lo PR	136	140	147	159	139	143	151	162	142	146	153	164	143	147	154	165	143	147	154	166	145	148	156	167

IDB*: Entering Indoor Dry Bulb Temperature

Shaded area is AHRI conditions

kW = Total system power

High and low pressures are measured at the liquid and suction service valves.

Amps = outdoor unit amps

Airflow may vary depending on actual ambient conditions and system operation modes.

AZV9SA241CA* + CAHEA3630*3A*, MBVK16CH*X00A*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**0**	**-5**	**-10**
MBh	31.3	29.1	27.1	25.2	24.0	23.3	21.5	41.8	38.9	36.0	33.2	31.5	30.5	27.8	24.0	22.6	20.1	15.9
T/R	31	29	27	25	24	23	21	42	39	36	33	32	30	28	25	22	20	16
KW	1.74	1.72	1.71	1.69	1.68	1.56	1.54	3.77	3.63	3.48	3.34	3.26	3.21	3.08	2.93	2.83	2.72	2.34
AMPS	5.4	5.4	5.3	5.2	5.2	5.1	5.1	14.9	14.3	13.7	13.0	12.7	12.5	11.9	11.3	10.8	10.3	8.6
COP	5.62	5.29	4.96	4.67	4.48	4.37	4.09	3.25	3.14	3.03	2.91	2.83	2.78	2.65	2.40	2.34	2.17	1.99

AZV9SA361CA* + CAHEA3630*3A*, MBVK16CH*X00A*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35**	**30**	**25**	**20**	**17**	**15**	**10**	**5**	**0**	**-5**	**-10**
MBh	45.2	42.2	39.3	36.5	34.2	33.8	31.3	57.3	53.2	49.3	45.5	43.2	41.7	38.3	34.2	31.2	26.6	18.9
T/R	28	26	24	22	21	20	19	35	33	30	28	26	25	23	21	19	16	11
KW	2.46	2.45	2.43	2.41	2.39	2.30	2.27	5.22	5.04	4.85	4.68	4.57	4.50	4.34	4.18	3.98	3.62	2.81
AMPS	8.0	7.9	7.8	7.7	7.7	7.6	7.5	20.6	19.7	18.9	18.2	17.7	17.4	16.7	15.9	15.1	13.5	9.9
COP	5.57	5.21	4.90	4.58	4.34	4.31	4.04	3.22	3.09	2.98	2.85	2.77	2.72	2.58	2.40	2.30	2.15	1.98

Calculations are based on nominal CFM and 70 °F indoor dry bulb.
Note: Shaded area is AHRI Rating Conditions at 47°F outdoor ambient temperature

Amps = Outdoor unit amps (comp.+fan)
KW= Total system power

AZV9SA241CA* + CAHEA3630*3A*, MBVK16CH*X00A*

	OUTDOOR AMBIENT TEMPERATURE							
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35 or lower**
MBh	55.8	52.1	51.2	47.6	45.6	44.3	41.1	**Same as normal heating mode**
T/R	31	29	28	26	25	24	22	
KW	3.24	3.20	3.38	3.32	3.28	3.26	3.19	
AMPS	11.3	11.1	11.9	11.7	11.5	11.4	11.1	
COP	5.05	4.77	4.44	4.20	4.07	3.98	3.77	

AZV9SA361CA* + CAHEA3630*3A*, MBVK16CH*X00A*

	OUTDOOR AMBIENT TEMPERATURE							
	65	**60**	**55**	**50**	**47**	**45**	**40**	**35 or lower**
MBh	70.1	65.6	64.5	60.2	57.7	56.0	52.2	**Same as normal heating mode**
T/R	44	41	40	38	36	35	32	
KW	4.86	4.71	4.98	4.81	4.72	4.65	4.50	
AMPS	18.9	18.2	19.4	18.7	18.3	18.0	17.4	
COP	4.23	4.08	3.80	3.67	3.58	3.53	3.40	

Calculations are based on nominal CFM and 70 °F indoor dry bulb.
Note: Shaded area is AHRI Rating Conditions at 47°F outdoor ambient temperature

Amps = Outdoor unit amps (comp.+fan)
KW= Total system power

AZV9SA241CA* / CAHEA3630*3A*, MBVK16CH*X00A*
Design Subcooling @ AHRI 95°F Conditions 5-7°F
at 100% Demand

Outdoor Temp °F	Total BTU/h	Sensible BTU/h	Latent BTU/h	Total Watts
75°	26,100	19,600	6,500	1,470
80°	25,700	19,700	6,000	1,600
85°	25,300	19,700	5,600	1,710
90°	24,700	19,500	5,200	1,800
95°	**24,000**	**19,200**	**4,800**	**1,970**
100°	23,200	18,800	4,400	2,100
105°	22,400	18,400	4,000	2,280
110°	21,700	18,400	3,300	2,500
115°	21,000	18,300	2,700	2,640
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	**23,100**	**18,700**	**4,400**	**1,970**

AZV9SA241CA* / CAHEA3630*3A*, MBVK16CH*X00A*
Design Subcooling @ AHRI 95°F Conditions 5-7°F
in boost mode

Outdoor Temp °F	Total BTU/h	Sensible BTU/h	Latent BTU/h	Total Watts
75°	26,100	19,600	6,500	1,470
80°	25,700	19,700	6,000	1,600
85°	25,300	19,700	5,600	1,710
90°	24,700	19,500	5,200	1,800
95°	**24,000**	**19,200**	**4,800**	**1,970**
100°	23,200	18,800	4,400	2,100
105°	22,400	18,400	4,000	2,280
110°	21,700	18,400	3,300	2,500
115°	21,000	18,300	2,700	2,640
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	**23,100**	**18,700**	**4,400**	**1,970**

AZV9SA361CA* / CAHEA3630*3A*, MBVK16CH*X00A*
Design Subcooling @ AHRI 95°F Conditions 9-11°F
at 100% Demand

Outdoor Temp °F	Total BTU/h	Sensible BTU/h	Latent BTU/h	Total Watts
75°	38,100	30,100	8,000	2,200
80°	37,300	29,800	7,500	2,400
85°	36,400	29,500	6,900	2,510
90°	35,300	28,800	6,500	2,700
95°	**34,200**	**28,000**	**6,200**	**2,850**
100°	32,900	27,100	5,800	3,000
105°	31,600	26,200	5,400	3,240
110°	30,400	25,700	4,700	3,500
115°	29,200	25,100	4,100	3,700
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	**32,900**	**27,300**	**5,600**	**2,860**

AZV9SA361CA* / CAHEA3630*3A*, MBVK16CH*X00A*
Design Subcooling @ AHRI 95°F Conditions 9-11°F
in boost mode

Outdoor Temp °F	Total BTU/h	Sensible BTU/h	Latent BTU/h	Total Watts
75°	41,000	31,200	9,800	2,200
80°	40,200	30,900	9,300	2,300
85°	39,200	30,400	8,800	2,500
90°	38,000	29,600	8,400	2,600
95°	**36,000**	**28,800**	**7,900**	**3,000**
100°	35,400	28,400	7,000	3,400
105°	34,000	26,800	7,200	3,100
110°	32,600	26,200	6,400	3,400
115°	31,500	26,000	5,500	3,600
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	**35,400**	**28,000**	**7,400**	**2,800**

Normal mode - Cooling		Sound Power Level[1]						
Tonnage	Total Unit Sound Rating (dBA)	Octave Band Spectrum Frequency (Hz) Analysis (dB)						
		125	250	500	1000	2000	4000	8000
2-ton	71	71.8	70.9	70.4	65.6	60.4	51.5	43.7
3-ton	71	71.8	71.7	70.2	65.7	60.5	51.7	44.6

[1]Compliant with AHRI 270.
[2] Compliant with AHRI 220.

Normal mode - Heating		Sound Power Level[1]						
Tonnage	Total Unit Sound Rating (dBA)	Octave Band Spectrum Frequency (Hz) Analysis (dB)						
		125	250	500	1000	2000	4000	8000
2-ton	75	76.1	76.7	73.8	69.1	63.8	56.0	48.4
3-ton	75	76.1	76.7	73.8	69.1	63.8	56.1	49.0

[1] Compliant with AHRI 270.
[2] Compliant with AHRI 220.

Quiet mode_Cooling

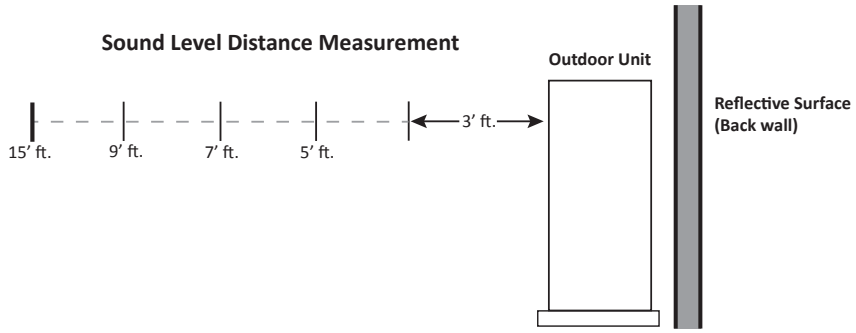
Tonnage	Sound suppression level	Sound Power Level (dBA)1	Sound Pressure Level (dBA)2
2-ton	LV.1	69	53
	LV.2	66	50
	LV.3	63	47
3-ton	LV.1	69	53
	LV.2	66	50
	LV.3	63	47

[1] Quiet Mode Sound Power and Sound Pressure levels determined at a distance of 3 [ft].

Quiet mode_Heating

Tonnage	Sound suppression level	Sound Power Level (dBA)1	Sound Pressure Level (dBA)2
2-ton	LV.1	72	56
	LV.2	69	53
	LV.3	66	50
3-ton	LV.1	72	56
	LV.2	69	53
	LV.3	66	50

[1] Quiet Mode Sound Power and Sound Pressure levels determined at a distance of 3 [ft].



		Sound Pressure (dBA) Cooling Mode[1]				
		Distance From Property Line				
Tonnage	Reflective Surface Qty.	3'	5'	7'	9'	15'
2.0 Ton	0	64	59	56	54	50
	1	67	62	59	57	53
	2	70	65	62	60	56
3.0 Ton	0	64	59	56	54	50
	1	67	62	59	57	53
	2	70	65	62	60	56

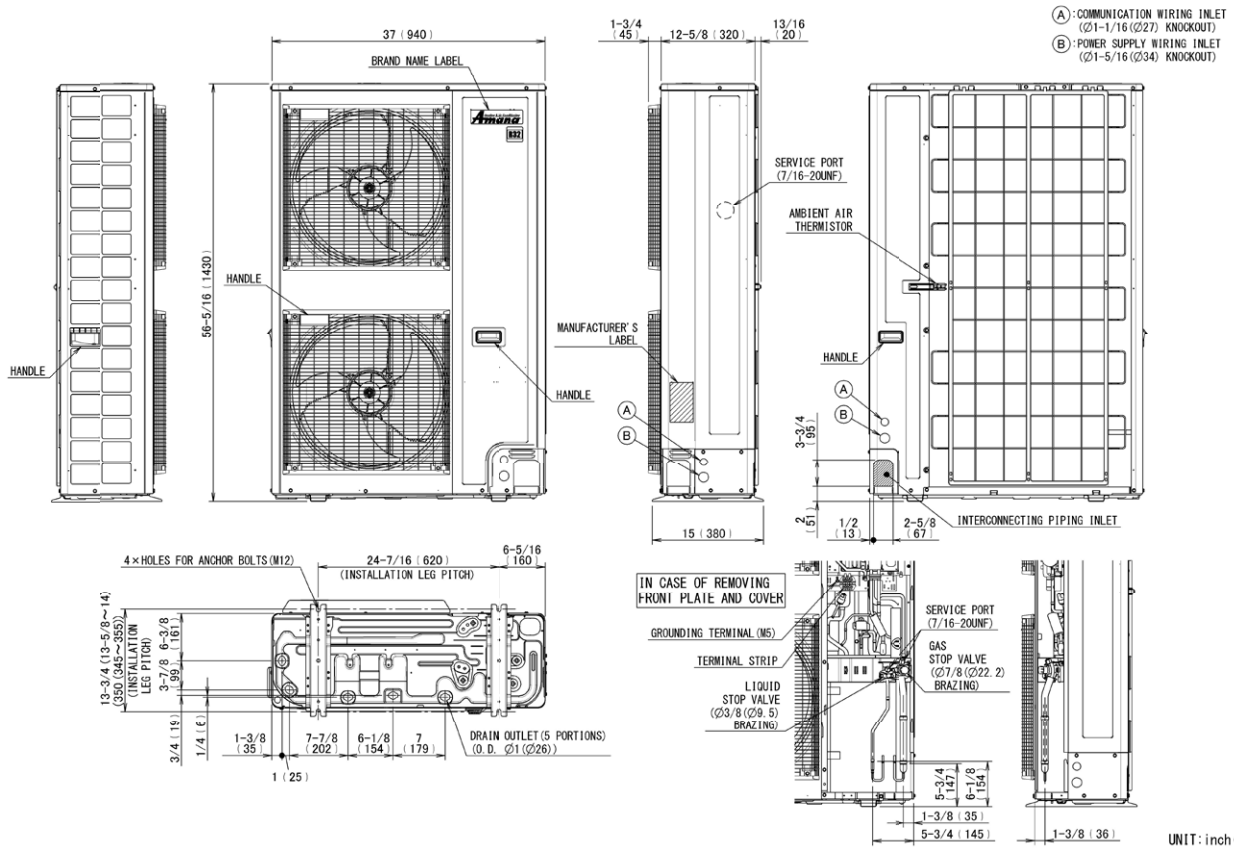
[1] Compliant with AHRI 275 utilizing standard mode, total sound levels

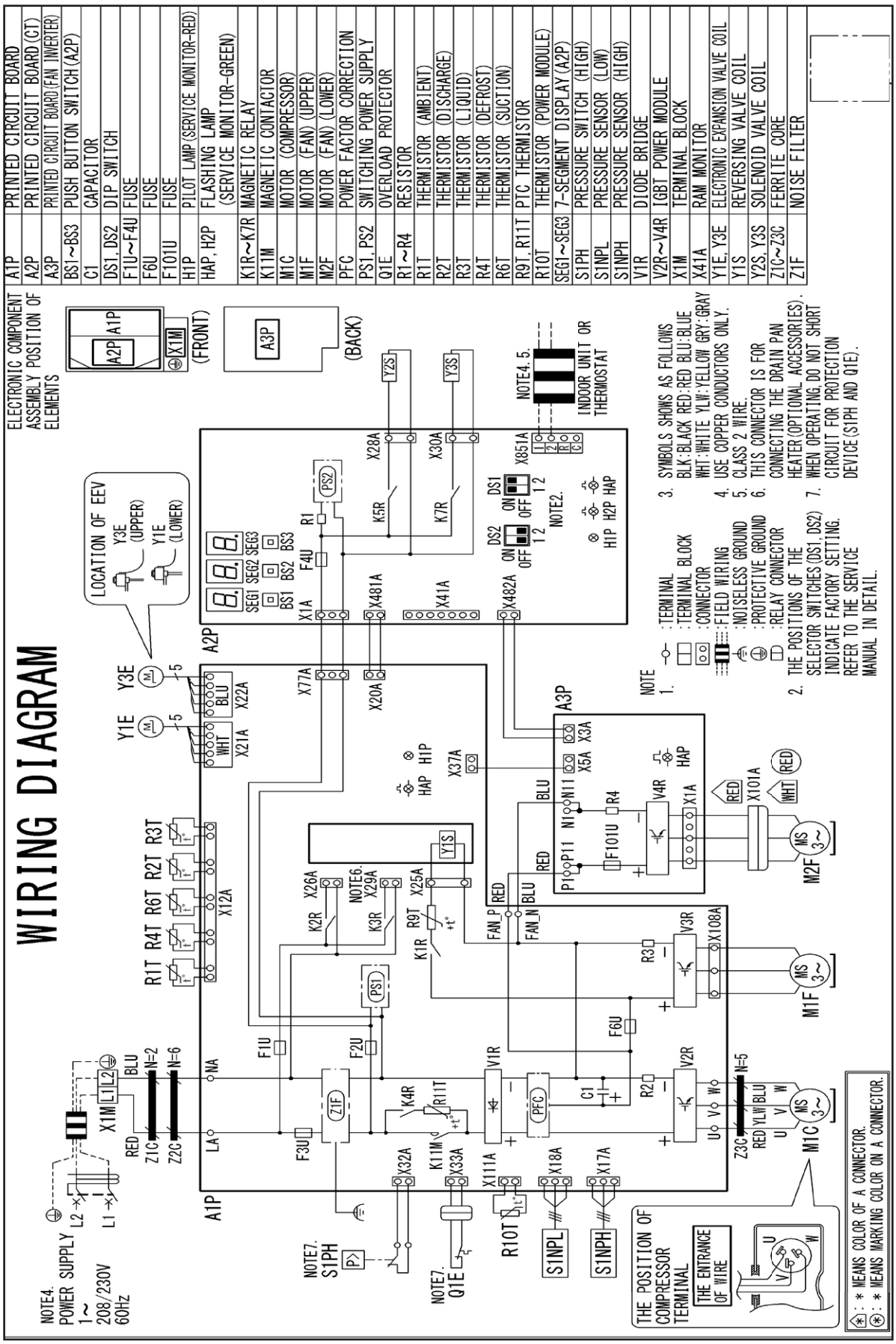
		Sound Pressure (dBA) Heating Mode[1]				
		Distance From Property Line				
Tonnage	Reflective Surface Qty.	3'	5'	7'	9'	15'
2.0 Ton	0	68	63	60	58	54
	1	71	66	63	61	57
	2	74	69	66	64	60
3.0 Ton	0	68	63	60	58	54
	1	71	66	63	61	57
	2	74	69	66	64	60

[1] Compliant with AHRI 275 utilizing standard mode, total sound levels

ALL AHRI SYSTEM RATINGS ARE ACCESSIBLE IN THE UNITARY MATCHUP TOOL VIA DAIKIN CITY OR IN THE DAIKIN SYSTEM CONFIGURATOR TOOL VIA PARTNERLINK.

MODEL	DIMENSIONS		
	W"	D"	H"
AZV9SA241CA*	37	12⅝	56 5/16
AZV9SA361CA*	37	12⅝	56 5/16





Wiring is subject to change. Always refer to the wiring diagram on the unit for the most up-to-date wiring.

WARNING

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

MODEL	DESCRIPTION	AZV9S A241CA*	AZV9S A361CA*
KPW5G112	Wind Baffle	X[2] (2)	X[2] (2)
3K020967-2[1]	Snow Guard Front	X	X
3P434587-5[1]	Snow Guard Rear	X	X
3P434588-1[1]	Snow Guard Side	X	X
0270R02063 (130-DK-017)	Hail Guard	X	X
KEH3P648291	Drain Pan Heater	X	X
DSEN-HAQA	Daikin One Home Air Monitor	X	X

[1] Product is manufactured at time of order. Lead time will be associated with purchase.
[2] Please ensure that 2 nos (KPW5G112) are ordered for each model when placing the order.