Franklin™
Air Conditioning & Heating

AVZC20

Cooling Capacity: 23,800 - 52,500 BTU/h
Heating Capacity: 23,800 - 52,000 BTU/h

High-Efficiency, Split System Heat Pump Up to 21 SEER

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ComfortBridge™ technology

CoolCloud™

Standard Features

- Variable-speed swing and scroll compressors
- High-density foam compressor sound blanket
- Integrated communicating ComfortBridge™ Technology
- Commissioning and diagnostics via indoor board Bluetooth with the CoolCloud™ phone and tablet application
- Franklin 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
- Field-selectable boost mode increases compressor speed during unusually high loads
- Quiet ECM outdoor fan motor
- Fully charged for 15' of tubing length
- Field-installed bi-flow filter drier
- Coil and ambient temperature sensors
- Suction pressure transducer
- Sweat connection service valves with easy access to gauge ports
- AHRI Certified; ETL Listed

Cabinet Features

- Heavy-gauge galvanized-steel cabinet with grille-style sound control top design
- Custom two-tone gray powder-paint finish
- 500-hour salt-spray tested
- Wire fan discharge grille
- Steel louver coil guard
- Top and side maintenance access
- Single-panel access to controls with space provided for field-installed accessories
- When properly anchored, meets the 2017 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)

LIFETIME UNIT REPLACEMENT LIMITED WARRANTY*

10 YEAR PARTS LIMITED WARRANTY*

C ETL LISTED US Intertek

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

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

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

* Complete warranty details available from your local dealer or at www.franklinhvacsysstems.com. To receive the Lifetime Unit Replacement Limited Warranty (good for as long as you own your home) and 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installation. Additional requirements for annual maintenance are required for the Unit Replacement Limited Warranty. Online registration and some of the additional requirements are not required in California or Quebec.

A	V	Z	C	20	036	1	AA
1	2	3	4	5,6	7,8,9	10	11,12

Brand

A Franklin® Brand

Product Category

S Split System

V Inverter Split System

Unit Type

X Condenser R-410A

Z Heat Pump R-410A

Communication Feature

C Integrated communicating ComfortBridge™ Technology

Engineering *

Major/ Minor Revisions

* Not used for order or inventory control

Electrical

1- 208/230 V, 1 Phase, 60 Hz

Nominal Capacity

024	2 Tons	048	4 Tons
036	3 Tons	060	5 Tons

Efficiency

16	16 SEER	18	18 SEER	20	20 SEER

	AVZC20 0241A*	AVZC20 0361A*	AVZC20 0481A*	AVZC20 0601A*
Capacities and Ratings				
Max. Cooling (BTU/h)	23,800	35,400	46,500	52,500
Max. Heating (BTU/h)	23,800	35,000	46,000	52,000
Compressor				
Type	Swing	Swing	Swing	Scroll
RLA	12.70	27.30	27.30	28.60
Condenser Fan Motor				
Horsepower	1/2	1/2	1/2	1/2
FLA	2.5	2.5	2.5	2.5
Refrigeration System				
Refrigerant Line Size				
Liquid Line Size (“O.D.)	⅜"	⅜"	⅜"	⅜"
Suction Line Size (“O.D.)	¾"	⅞"	1⅛"	1⅛"
Refrigerant Connection Size				
Liquid Valve Size (“O.D.)	⅜"	⅜"	⅜"	⅜"
Suction Valve Size (“O.D.)	¾"	⅞"	⅞"	⅞"
Valve Connection Type	Ball Valve	Ball Valve	Ball Valve	Ball Valve
Refrigerant Charge	165	272	272	242
Superheat at Service Valve	7-9°F	7-9°F	7-9°F	7-9°F
Subcooling at Service Valve	7-9°F	7-9°F	7-9°F	7-9°F
Electrical Data				
Volts-Phase (60 Hz)	208-230/1	208-230/1	208-230/1	208-230/1
Minimum Circuit Ampacity [2]	15.2	29.8	29.8	31.1
Max. Overcurrent Protection [3]	20	30	30	35
Min / Max Volts	197/253	197/253	197/253	197/253
Electrical Conduit Size	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"
Equipment Weight (lbs)	217	291	291	333
Ship Weight (lbs)	243	318	318	360

[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 ⅜” liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.

Expanded Cooling Data — AVZC200241A* / CA*F3642*6D* + MBVC1200**-1A*+TXV (High Stage)

			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	620	MBh	20.5	21.3	23.3	-	20.1	20.8	22.8	-	19.6	20.3	22.2	-	19.1	19.8	21.7	-	18.2	18.8	20.6	-	16.8	17.4	19.1	-
		S/T	0.68	0.57	0.39	-	0.71	0.59	0.41	-	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-
		ΔT	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	21	18	14	-	19	17	13	-
		kW	1.31	1.34	1.38	-	1.42	1.45	1.50	-	1.51	1.55	1.60	-	1.60	1.64	1.69	-	1.67	1.71	1.77	-	1.73	1.77	1.84	-
		Amps	5.5	5.6	5.8	-	5.9	6.1	6.3	-	6.5	6.6	6.9	-	6.9	7.1	7.4	-	7.4	7.6	7.8	-	7.8	8.0	8.3	-
		Hi PR	215	232	245	-	242	260	275	-	275	296	312	-	313	337	356	-	352	379	400	-	389	419	442	-
		Lo PR	101	108	118	-	107	114	125	-	111	119	129	-	117	125	136	-	123	130	142	-	127	135	147	-
	720	MBh	22.3	23.1	25.3	-	21.7	22.5	24.7	-	21.2	22.0	24.1	-	20.7	21.5	23.5	-	19.7	20.4	22.3	-	18.2	18.9	20.7	-
		S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.77	0.65	0.45	-	0.80	0.67	0.47	-	0.81	0.68	0.47	-
		ΔT	20	17	13	-	20	18	13	-	20	18	13	-	20	18	13	-	20	17	13	-	19	16	12	-
		kW	1.34	1.37	1.42	-	1.45	1.49	1.54	-	1.55	1.59	1.65	-	1.64	1.68	1.74	-	1.72	1.76	1.82	-	1.78	1.82	1.89	-
		Amps	5.6	5.8	6.0	-	6.1	6.3	6.5	-	6.7	6.8	7.1	-	7.1	7.3	7.6	-	7.6	7.8	8.1	-	8.1	8.3	8.6	-
		Hi PR	222	239	252	-	249	268	283	-	283	305	322	-	323	347	367	-	363	391	412	-	401	432	456	-
		Lo PR	105	111	122	-	111	118	128	-	115	122	133	-	121	128	140	-	126	135	147	-	131	139	152	-
	820	MBh	22.9	23.8	26.0	-	22.4	23.2	25.4	-	21.9	22.7	24.8	-	21.3	22.1	24.2	-	20.3	21.0	23.0	-	18.8	19.5	21.3	-
		S/T	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-
		ΔT	19	16	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-
		kW	1.35	1.39	1.43	-	1.47	1.50	1.55	-	1.57	1.61	1.66	-	1.66	1.70	1.76	-	1.73	1.77	1.84	-	1.80	1.84	1.91	-
		Amps	5.7	5.8	6.0	-	6.2	6.3	6.5	-	6.7	6.9	7.1	-	7.2	7.4	7.6	-	7.7	7.9	8.1	-	8.2	8.4	8.6	-
		Hi PR	224	241	255	-	252	271	286	-	286	308	325	-	326	351	370	-	367	394	417	-	405	436	460	-
		Lo PR	106	112	123	-	112	119	130	-	116	123	135	-	122	130	142	-	128	136	148	-	132	141	153	-
75	620	MBh	20.9	21.5	23.3	25.0	20.4	21.0	22.7	24.4	19.9	20.5	22.2	23.8	19.4	20.0	21.7	23.3	18.5	19.0	20.6	22.1	17.1	17.6	19.1	20.5
		S/T	0.77	0.69	0.52	0.3	0.80	0.72	0.54	0.3	0.82	0.74	0.56	0.4	0.85	0.76	0.57	0.4	0.88	0.79	0.60	0.4	0.89	0.79	0.60	0.4
		ΔT	24	22	18	12	24	22	18	13	24	22	18	13	24	23	18	13	24	22	18	13	23	21	17	12
		kW	1.32	1.35	1.40	1.4	1.43	1.46	1.51	1.6	1.53	1.56	1.62	1.7	1.61	1.65	1.71	1.8	1.69	1.73	1.79	1.9	1.75	1.79	1.85	1.9
		Amps	5.5	5.7	5.9	6.1	6.0	6.2	6.4	6.6	6.5	6.7	6.9	7.2	7.0	7.2	7.4	7.7	7.5	7.7	7.9	8.2	7.9	8.1	8.4	8.7
		Hi PR	218	234	247	258	244	263	277	289	278	299	315	329	316	340	359	375	356	383	404	422	393	423	447	466
		Lo PR	103	109	119	127	108	115	126	134	113	120	131	139	118	126	137	146	124	132	144	153	128	136	149	159
	720	MBh	22.6	23.3	25.2	27.1	22.1	22.8	24.6	26.4	21.6	22.2	24.1	25.8	21.1	**21.7**	23.5	25.2	20.0	20.6	22.3	23.9	18.5	19.1	20.7	22.2
		S/T	0.80	0.72	0.54	0.3	0.83	0.74	0.56	0.4	0.85	0.76	0.58	0.4	0.88	**0.79**	0.60	0.4	0.91	0.82	0.62	0.4	0.92	0.82	0.62	0.4
		ΔT	23	21	18	12	23	22	18	12	24	22	18	12	24	**22**	18	12	23	21	18	12	22	20	16	11
		kW	1.35	1.39	1.43	1.5	1.47	1.50	1.55	1.6	1.57	1.61	1.66	1.7	1.66	**1.70**	1.76	1.8	1.73	1.77	1.84	1.9	1.80	1.84	1.91	2.0
		Amps	5.7	5.8	6.0	6.3	6.2	6.3	6.5	6.8	6.7	6.9	7.1	7.4	7.2	**7.4**	7.6	7.9	7.7	7.9	8.1	8.5	8.2	8.4	8.6	9.0
		Hi PR	224	241	255	266	252	271	286	298	286	308	325	339	326	**351**	370	386	367	395	417	435	405	436	460	480
		Lo PR	106	112	123	131	112	119	130	138	116	123	135	144	122	**130**	142	151	128	136	148	158	132	141	153	163
	820	MBh	23.3	24.0	26.0	27.9	22.8	23.5	25.4	27.2	22.2	22.9	24.8	26.6	21.7	22.3	24.2	25.9	20.6	21.2	23.0	24.6	19.1	19.7	21.3	22.8
		S/T	0.84	0.75	0.57	0.4	0.87	0.78	0.59	0.4	0.89	0.80	0.61	0.4	0.92	0.83	0.62	0.4	0.96	0.86	0.65	0.4	0.97	0.86	0.65	0.4
		ΔT	22	20	17	11	22	21	17	12	22	21	17	12	22	21	17	12	22	20	17	12	21	19	16	11
		kW	1.37	1.40	1.45	1.5	1.48	1.52	1.57	1.6	1.58	1.62	1.68	1.7	1.67	1.71	1.77	1.8	1.75	1.79	1.85	1.9	1.81	1.86	1.92	2.0
		Amps	5.8	5.9	6.1	6.3	6.2	6.4	6.6	6.9	6.8	7.0	7.2	7.5	7.3	7.5	7.7	8.0	7.8	8.0	8.2	8.5	8.2	8.4	8.7	9.1
		Hi PR	226	244	257	268	254	273	289	301	289	311	328	343	329	354	374	390	370	399	421	439	409	440	465	485
		Lo PR	107	114	124	132	113	120	131	139	117	125	136	145	123	131	143	152	129	137	150	160	133	142	155	165

IDB*: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions.

kW = Total system power

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

Amps = outdoor unit amps

			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	620	MBh	21.3	21.7	23.2	24.8	20.8	21.2	22.7	24.2	20.3	20.7	22.1	23.7	19.8	20.2	21.6	23.1	18.8	19.2	20.5	21.9	17.4	17.8	19.0	20.3
		S/T	0.85	0.80	0.65	0.5	0.88	0.82	0.67	0.5	0.90	0.85	0.69	0.5	0.93	0.87	0.71	0.5	0.97	0.91	0.74	0.6	0.97	0.91	0.74	0.6
		ΔT	27	26	22	18	27	26	23	18	27	26	23	18	27	26	23	18	27	26	22	18	25	24	21	17
		kW	1.33	1.36	1.41	1.5	1.44	1.48	1.53	1.6	1.54	1.58	1.63	1.7	1.63	1.67	1.72	1.8	1.70	1.74	1.80	1.9	1.77	1.81	1.87	1.9
		Amps	5.6	5.7	5.9	6.2	6.1	6.2	6.4	6.7	6.6	6.8	7.0	7.3	7.1	7.2	7.5	7.8	7.5	7.7	8.0	8.3	8.0	8.2	8.5	8.8
		Hi PR	220	236	250	260	247	265	280	292	280	302	319	332	319	344	363	378	359	387	408	426	397	427	451	470
		Lo PR	104	110	120	128	109	116	127	135	114	121	132	141	119	127	139	148	125	133	145	155	129	138	150	160
	720	MBh	23.0	23.5	25.2	26.9	22.5	23.0	24.6	26.3	22.0	22.4	24.0	25.6	21.4	21.9	**23.4**	25.0	20.4	20.8	22.2	23.8	18.9	19.3	20.6	22.0
		S/T	0.88	0.83	0.67	0.5	0.91	0.86	0.70	0.5	0.94	0.88	0.71	0.5	0.97	0.91	**0.74**	0.6	1.00	0.94	0.76	0.6	1.00	0.95	0.77	0.6
		ΔT	26	25	22	17	26	25	22	17	26	25	22	17	26	25	**22**	18	26	25	22	17	24	23	20	16
		kW	1.37	1.40	1.45	1.5	1.48	1.52	1.57	1.6	1.58	1.62	1.68	1.7	1.67	1.71	**1.77**	1.8	1.75	1.79	1.85	1.9	1.81	1.86	1.92	2.0
		Amps	5.8	5.9	6.1	6.3	6.2	6.4	6.6	6.9	6.8	7.0	7.2	7.5	7.3	7.5	**7.7**	8.0	7.8	8.0	8.2	8.5	8.2	8.4	8.7	9.1
		Hi PR	226	244	257	268	254	273	289	301	289	311	328	343	329	354	**374**	390	370	399	421	439	409	440	465	485
		Lo PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	**143**	152	129	137	150	160	133	142	155	165
	820	MBh	23.7	24.3	25.9	27.7	23.2	23.7	25.3	27.1	22.6	23.1	24.7	26.4	22.1	22.6	24.1	25.8	21.0	21.4	22.9	24.5	19.4	19.9	21.2	22.7
		S/T	0.92	0.87	0.70	0.5	0.96	0.90	0.73	0.5	1.00	0.92	0.75	0.6	1.00	0.95	0.77	0.6	1.00	1.00	0.80	0.6	1.00	1.00	0.81	0.6
		ΔT	25	24	20	16	25	24	21	17	25	24	21	17	25	24	21	17	24	24	21	16	22	22	19	15
		kW	1.38	1.41	1.46	1.5	1.49	1.53	1.58	1.6	1.60	1.63	1.69	1.8	1.69	1.73	1.79	1.9	1.76	1.81	1.87	1.9	1.83	1.87	1.94	2.0
		Amps	5.8	6.0	6.2	6.4	6.3	6.5	6.7	6.9	6.9	7.0	7.3	7.6	7.3	7.5	7.8	8.1	7.8	8.0	8.3	8.6	8.3	8.5	8.8	9.2
		Hi PR	229	246	260	271	257	276	292	304	292	314	332	346	333	358	378	394	374	403	425	443	413	445	470	490
		Lo PR	108	115	125	133	114	121	132	141	118	126	137	146	124	132	144	154	130	139	151	161	135	143	157	167
85	620	MBh	21.6	22.1	23.1	24.6	21.1	21.5	22.6	24.1	20.6	21.0	22.0	23.5	20.1	20.5	21.5	22.9	19.1	19.5	20.4	21.8	17.7	18.1	18.9	20.2
		S/T	0.89	0.86	0.77	0.6	0.92	0.89	0.80	0.7	0.95	0.91	0.82	0.7	0.98	0.94	0.85	0.7	1.00	0.98	0.88	0.7	1.00	0.99	0.89	0.7
		ΔT	29	28	27	23	29	28	27	23	29	28	27	23	29	29	27	23	28	28	27	23	26	26	25	22
		kW	1.34	1.37	1.42	1.5	1.45	1.49	1.54	1.6	1.55	1.59	1.65	1.7	1.64	1.68	1.74	1.8	1.72	1.76	1.82	1.9	1.78	1.82	1.89	2.0
		Amps	5.6	5.8	6.0	6.2	6.1	6.3	6.5	6.7	6.7	6.8	7.1	7.3	7.1	7.3	7.6	7.9	7.6	7.8	8.1	8.4	8.1	8.3	8.6	8.9
		Hi PR	222	239	252	263	249	268	283	295	283	305	322	336	323	347	367	382	363	390	412	430	401	431	456	475
		Lo PR	105	111	121	129	110	118	128	137	115	122	133	142	121	128	140	149	126	134	147	156	131	139	152	162
	720	MBh	23.4	23.9	25.0	26.7	22.9	23.3	24.4	26.1	22.4	22.8	23.9	25.5	21.8	22.2	23.3	24.8	20.7	21.1	22.1	23.6	19.2	19.6	20.5	21.9
		S/T	0.92	0.89	0.80	0.7	0.96	0.92	0.83	0.7	0.98	0.95	0.85	0.7	1.00	0.98	0.88	0.7	1.00	1.00	0.91	0.7	1.00	1.00	0.92	0.7
		ΔT	28	27	26	22	28	28	26	23	28	28	26	23	28	28	26	23	26	27	26	22	25	25	24	21
		kW	1.38	1.41	1.46	1.5	1.49	1.53	1.58	1.6	1.60	1.63	1.69	1.8	1.69	1.73	1.79	1.9	1.76	1.81	1.87	1.9	1.83	1.87	1.94	2.0
		Amps	5.8	6.0	6.2	6.4	6.3	6.5	6.7	6.9	6.9	7.0	7.3	7.6	7.3	7.5	7.8	8.1	7.8	8.0	8.3	8.6	8.3	8.5	8.8	9.2
		Hi PR	229	246	260	271	257	276	292	304	292	314	332	346	333	358	378	394	374	403	425	443	413	445	470	490
		Lo PR	108	115	125	133	114	121	132	141	118	126	137	146	124	132	144	154	130	139	151	161	135	143	157	167
	820	MBh	24.1	24.6	25.8	27.5	23.6	24.0	25.2	26.9	23.0	23.5	24.6	26.2	22.5	22.9	24.0	25.6	21.3	21.8	22.8	24.3	19.8	20.2	21.1	22.5
		S/T	0.97	0.93	0.84	0.7	1.00	0.97	0.87	0.7	1.00	0.99	0.90	0.7	1.00	1.00	0.92	0.7	1.00	1.00	0.96	0.8	1.00	1.00	0.97	0.8
		ΔT	26	26	24	21	26	26	25	21	26	26	25	21	25	26	25	22	24	24	25	21	22	23	23	20
		kW	1.39	1.42	1.47	1.5	1.51	1.54	1.60	1.7	1.61	1.65	1.71	1.8	1.70	1.74	1.80	1.9	1.78	1.82	1.89	2.0	1.85	1.89	1.96	2.0
		Amps	5.9	6.0	6.2	6.5	6.4	6.5	6.7	7.0	6.9	7.1	7.3	7.6	7.4	7.6	7.9	8.2	7.9	8.1	8.4	8.7	8.4	8.6	8.9	9.2
		Hi PR	231	249	263	274	259	279	295	307	295	317	335	349	336	361	382	398	378	407	429	448	417	449	474	495
		Lo PR	109	116	126	135	115	122	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	168

IDB*: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI conditions.

kW = Total system power

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

Amps = outdoor unit amps

			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	480	MBh	13.9	14.4	15.8	-	13.6	14.1	15.4	-	13.3	13.8	15.1	-	12.9	13.4	14.7	-	12.3	12.7	14.0	-	11.4	11.8	12.9	-
		S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		kW	0.82	0.84	0.87	-	0.89	0.91	0.93	-	0.94	0.96	0.99	-	0.99	1.01	1.04	-	1.03	1.05	1.09	-	1.07	1.09	1.13	-
		Amps	3.3	3.4	3.5	-	3.6	3.7	3.8	-	3.9	4.0	4.1	-	4.1	4.2	4.4	-	4.4	4.5	4.7	-	4.7	4.8	4.9	-
		Hi PR	208	224	236	-	233	251	265	-	265	286	302	-	302	325	343	-	340	366	386	-	376	404	427	-
		Lo PR	105	112	122	-	111	118	129	-	116	123	134	-	122	129	141	-	127	136	148	-	132	140	153	-
	540	MBh	14.7	15.2	16.6	-	14.3	14.8	16.3	-	14.0	14.5	15.9	-	13.6	14.1	15.5	-	12.9	13.4	14.7	-	12.0	12.4	13.6	-
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.45	-	0.80	0.66	0.46	-	0.83	0.69	0.48	-	0.83	0.70	0.48	-
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		kW	0.84	0.85	0.88	-	0.90	0.92	0.95	-	0.96	0.98	1.01	-	1.01	1.03	1.06	-	1.05	1.07	1.11	-	1.09	1.11	1.15	-
		Amps	3.4	3.4	3.6	-	3.6	3.7	3.8	-	3.9	4.0	4.2	-	4.2	4.3	4.5	-	4.5	4.6	4.7	-	4.7	4.9	5.0	-
		Hi PR	212	228	241	-	238	256	271	-	271	291	308	-	308	332	350	-	347	373	394	-	383	413	436	-
		Lo PR	108	114	125	-	114	121	132	-	118	126	137	-	124	132	144	-	130	138	151	-	134	143	156	-
	620	MBh	15.1	15.6	17.1	-	14.7	15.3	16.7	-	14.4	14.9	16.3	-	14.0	14.5	15.9	-	13.3	13.8	15.1	-	12.4	12.8	14.0	-
		S/T	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.81	0.67	0.47	-	0.83	0.70	0.48	-	0.87	0.72	0.50	-	0.87	0.73	0.50	-
		ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	11	-
		kW	0.84	0.86	0.89	-	0.91	0.93	0.96	-	0.96	0.99	1.02	-	1.02	1.04	1.07	-	1.06	1.08	1.12	-	1.09	1.12	1.16	-
		Amps	3.4	3.5	3.6	-	3.7	3.8	3.9	-	4.0	4.1	4.2	-	4.3	4.4	4.5	-	4.5	4.6	4.8	-	4.8	4.9	5.1	-
		Hi PR	214	231	244	-	240	259	273	-	274	294	311	-	312	335	354	-	350	377	398	-	387	417	440	-
		Lo PR	109	116	126	-	115	122	133	-	119	127	139	-	125	133	146	-	131	140	152	-	136	144	158	-
75	480	MBh	14.2	14.6	15.8	16.9	13.8	14.2	15.4	16.5	13.5	13.9	15.0	16.1	13.2	13.6	14.7	15.7	12.5	12.9	13.9	15.0	11.6	11.9	12.9	13.9
		S/T	0.79	0.71	0.53	0.3	0.82	0.73	0.55	0.4	0.84	0.75	0.57	0.4	0.87	0.77	0.59	0.4	0.90	0.80	0.61	0.4	0.91	0.81	0.61	0.4
		ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	20	19	15	10
		kW	0.83	0.85	0.87	0.9	0.89	0.91	0.94	1.0	0.95	0.97	1.00	1.0	1.00	1.02	1.05	1.1	1.04	1.06	1.10	1.1	1.08	1.10	1.14	1.2
		Amps	3.3	3.4	3.5	3.7	3.6	3.7	3.8	3.9	3.9	4.0	4.1	4.3	4.2	4.3	4.4	4.6	4.4	4.5	4.7	4.9	4.7	4.8	5.0	5.2
		Hi PR	210	226	239	249	236	254	268	279	268	289	305	318	305	329	347	362	344	370	390	407	380	408	431	450
		Lo PR	106	113	124	132	112	120	131	139	117	124	136	145	123	131	143	152	129	137	149	159	133	142	155	165
	540	MBh	14.9	15.3	16.6	17.8	14.6	15.0	16.2	17.4	14.2	14.6	15.8	17.0	13.9	**14.3**	15.4	16.6	13.2	13.6	14.7	15.7	12.2	12.6	13.6	14.6
		S/T	0.82	0.74	0.56	0.4	0.85	0.76	0.58	0.4	0.88	0.78	0.59	0.4	0.90	**0.81**	0.61	0.4	0.94	0.84	0.64	0.4	0.95	0.85	0.64	0.4
		ΔT	21	19	16	11	21	19	16	11	21	20	16	11	21	**20**	16	11	21	19	16	11	20	18	15	10
		kW	0.84	0.86	0.89	0.9	0.91	0.93	0.96	1.0	0.96	0.99	1.02	1.1	1.02	**1.04**	1.07	1.1	1.06	1.08	1.12	1.2	1.09	1.12	1.16	1.2
		Amps	3.4	3.5	3.6	3.7	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.4	4.3	**4.4**	4.5	4.7	4.5	4.6	4.8	5.0	4.8	4.9	5.1	5.3
		Hi PR	214	231	244	254	241	259	273	285	274	294	311	324	312	**335**	354	369	351	377	398	415	387	417	440	459
		Lo PR	109	116	126	134	115	122	133	142	119	127	139	148	125	**133**	146	155	131	140	153	162	136	145	158	168
	620	MBh	15.3	15.8	17.1	18.4	15.0	15.4	16.7	17.9	14.6	15.1	16.3	17.5	14.3	14.7	15.9	17.1	13.6	14.0	15.1	16.2	12.6	12.9	14.0	15.0
		S/T	0.86	0.77	0.59	0.4	0.90	0.80	0.61	0.4	0.92	0.82	0.62	0.4	0.95	0.85	0.64	0.4	0.98	0.88	0.67	0.4	0.99	0.89	0.67	0.4
		ΔT	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10
		kW	0.85	0.87	0.90	0.9	0.92	0.94	0.96	1.0	0.97	0.99	1.03	1.1	1.02	1.05	1.08	1.1	1.07	1.09	1.13	1.2	1.10	1.13	1.17	1.2
		Amps	3.4	3.5	3.6	3.8	3.7	3.8	3.9	4.1	4.0	4.1	4.2	4.4	4.3	4.4	4.5	4.7	4.6	4.7	4.8	5.0	4.8	4.9	5.1	5.3
		Hi PR	217	233	246	257	243	261	276	288	276	297	314	327	315	339	358	373	354	381	402	420	391	421	445	464
		Lo PR	110	117	127	136	116	123	135	143	120	128	140	149	127	135	147	157	133	141	154	164	137	146	159	170

IDB*: Entering Indoor Dry Bulb Temperature

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

kW = Total system power

Amps = outdoor unit amps

Expanded Cooling Data — AVZC200241A* / CA*F3642*6D* + MBVC1200**-1A*+TXV (Low Stage)

			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	480	MBh	14.4	14.7	15.7	16.8	14.1	14.4	15.4	16.4	13.7	14.0	15.0	16.0	13.4	13.7	14.6	15.6	12.7	13.0	13.9	14.9	11.8	12.1	12.9	13.8
		S/T	0.87	0.81	0.66	0.5	0.90	0.84	0.68	0.5	0.92	0.86	0.70	0.5	0.95	0.89	0.73	0.5	0.99	0.92	0.75	0.6	0.99	0.93	0.76	0.6
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	22	19	15
		kW	0.84	0.85	0.88	0.9	0.90	0.92	0.95	1.0	0.96	0.98	1.01	1.0	1.01	1.03	1.06	1.1	1.05	1.07	1.11	1.1	1.09	1.11	1.15	1.2
		Amps	3.4	3.4	3.6	3.7	3.6	3.7	3.8	4.0	3.9	4.0	4.2	4.3	4.2	4.3	4.5	4.6	4.5	4.6	4.7	4.9	4.7	4.9	5.0	5.2
		Hi PR	212	228	241	252	238	256	271	282	271	291	308	321	308	332	350	366	347	373	394	411	383	413	436	454
		Lo PR	108	114	125	133	114	121	132	141	118	126	137	146	124	132	144	153	130	138	151	161	134	143	156	166
	540	MBh	15.2	15.5	16.6	17.7	14.8	15.1	16.2	17.3	14.5	14.8	15.8	16.9	14.1	14.4	**15.4**	16.5	13.4	13.7	14.6	15.6	12.4	12.7	13.6	14.5
		S/T	0.90	0.85	0.69	0.5	0.94	0.88	0.72	0.5	0.96	0.90	0.73	0.5	0.99	0.93	**0.76**	0.6	1.00	0.97	0.79	0.6	1.00	0.97	0.79	0.6
		ΔT	23	22	19	16	24	23	20	16	24	23	20	16	24	23	**20**	16	23	23	20	16	21	21	18	15
		kW	0.85	0.87	0.90	0.9	0.92	0.94	0.97	1.0	0.97	0.99	1.03	1.1	1.02	1.05	**1.08**	1.1	1.07	1.09	1.13	1.2	1.10	1.13	1.17	1.2
		Amps	3.4	3.5	3.6	3.8	3.7	3.8	3.9	4.1	4.0	4.1	4.2	4.4	4.3	4.4	**4.5**	4.7	4.6	4.7	4.8	5.0	4.8	5.0	5.1	5.3
		Hi PR	217	233	246	257	243	261	276	288	276	297	314	328	315	339	**358**	373	354	381	402	420	391	421	445	464
		Lo PR	110	117	127	136	116	123	135	143	120	128	140	149	127	135	**147**	157	133	141	154	164	137	146	159	170
	620	MBh	15.6	16.0	17.1	18.2	15.3	15.6	16.7	17.8	14.9	15.2	16.3	17.4	14.5	14.8	15.9	17.0	13.8	14.1	15.1	16.1	12.8	13.1	14.0	14.9
		S/T	0.95	0.89	0.72	0.5	1.00	0.92	0.75	0.6	1.00	0.94	0.77	0.6	1.00	1.00	0.79	0.6	1.00	1.00	0.82	0.6	1.00	1.00	0.83	0.6
		ΔT	22	21	18	15	23	21	19	15	22	21	19	15	22	22	19	15	20	21	18	15	19	19	17	14
		kW	0.86	0.88	0.90	0.9	0.92	0.94	0.97	1.0	0.98	1.00	1.03	1.1	1.03	1.05	1.09	1.1	1.08	1.10	1.14	1.2	1.11	1.14	1.18	1.2
		Amps	3.5	3.5	3.7	3.8	3.7	3.8	3.9	4.1	4.1	4.2	4.3	4.4	4.3	4.4	4.6	4.8	4.6	4.7	4.9	5.1	4.9	5.0	5.2	5.4
		Hi PR	219	235	249	259	245	264	279	291	279	300	317	331	318	342	361	377	358	385	406	424	395	425	449	468
		Lo PR	111	118	129	137	117	125	136	145	122	129	141	151	128	136	148	158	134	143	156	166	139	147	161	171
85	480	MBh	14.7	14.9	15.6	16.7	14.3	14.6	15.3	16.3	14.0	14.2	14.9	15.9	13.6	13.9	14.6	15.5	13.0	13.2	13.8	14.8	12.0	12.2	12.8	13.7
		S/T	0.91	0.88	0.79	0.6	0.94	0.91	0.82	0.7	0.96	0.93	0.84	0.7	1.00	0.96	0.87	0.7	1.00	1.00	0.90	0.7	1.00	1.00	0.91	0.7
		ΔT	25	25	24	21	26	25	24	21	26	25	24	21	26	26	24	21	25	25	24	21	23	23	22	19
		kW	0.84	0.86	0.89	0.9	0.91	0.93	0.96	1.0	0.96	0.99	1.02	1.1	1.02	1.04	1.07	1.1	1.06	1.08	1.12	1.2	1.09	1.12	1.16	1.2
		Amps	3.4	3.5	3.6	3.7	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.4	4.3	4.4	4.5	4.7	4.5	4.6	4.8	5.0	4.8	4.9	5.1	5.3
		Hi PR	214	231	244	254	240	259	273	285	274	294	311	324	312	335	354	369	350	377	398	415	387	417	440	459
		Lo PR	109	116	126	134	115	122	133	142	119	127	139	148	125	133	146	155	131	140	152	162	136	144	158	168
	540	MBh	15.4	15.7	16.5	17.6	15.1	15.4	16.1	17.2	14.7	15.0	15.7	16.8	14.4	14.6	15.3	16.3	13.6	13.9	14.6	15.5	12.6	12.9	13.5	14.4
		S/T	0.95	0.91	0.83	0.7	0.98	0.95	0.86	0.7	1.00	0.97	0.88	0.7	1.00	1.00	0.91	0.7	1.00	1.00	0.94	0.8	1.00	1.00	0.95	0.8
		ΔT	25	24	23	20	25	25	23	20	25	25	23	20	24	25	24	20	23	24	23	20	22	22	22	19
		kW	0.86	0.88	0.90	0.9	0.92	0.94	0.97	1.0	0.98	1.00	1.03	1.1	1.03	1.05	1.09	1.1	1.08	1.10	1.14	1.2	1.11	1.14	1.18	1.2
		Amps	3.5	3.5	3.7	3.8	3.7	3.8	3.9	4.1	4.1	4.2	4.3	4.4	4.3	4.4	4.6	4.8	4.6	4.7	4.9	5.1	4.9	5.0	5.2	5.4
		Hi PR	219	235	249	259	245	264	279	291	279	300	317	331	318	342	361	377	358	385	406	424	395	425	449	468
		Lo PR	111	118	129	137	117	125	136	145	122	129	141	151	128	136	148	158	134	143	156	166	139	147	161	171
	620	MBh	15.9	16.2	17.0	18.1	15.5	15.8	16.6	17.7	15.2	15.4	16.2	17.3	14.8	15.1	15.8	16.8	14.0	14.3	15.0	16.0	13.0	13.3	13.9	14.8
		S/T	0.99	0.96	0.87	0.7	1.00	0.99	0.90	0.7	1.00	1.00	0.92	0.7	1.00	1.00	0.95	0.8	1.00	1.00	0.99	0.8	1.00	1.00	0.99	0.8
		ΔT	23	23	22	19	23	23	22	19	22	23	22	19	22	22	22	19	21	21	22	19	19	20	20	18
		kW	0.86	0.88	0.91	0.9	0.93	0.95	0.98	1.0	0.99	1.01	1.04	1.1	1.04	1.06	1.10	1.1	1.08	1.11	1.15	1.2	1.12	1.15	1.19	1.2
		Amps	3.5	3.6	3.7	3.8	3.8	3.9	4.0	4.1	4.1	4.2	4.3	4.5	4.4	4.5	4.6	4.8	4.6	4.8	4.9	5.1	4.9	5.0	5.2	5.4
		Hi PR	221	238	251	262	248	267	282	294	282	303	320	334	321	345	365	381	361	389	410	428	399	429	453	473
		Lo PR	112	119	130	138	118	126	137	146	123	131	143	152	129	137	150	160	135	144	157	167	140	149	163	173

IDB*: Entering Indoor Dry Bulb Temperature

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

kW = Total system power

Amps = outdoor unit amps

Expanded Cooling Data — AVZC200361A* / CA*F3743*6D* + MBVC1600**-1A*+TXV (High Stage)

IDB*	Airflow		Outdoor Ambient Temperature																							
			65°F				75°F				85°F				95°F				105°F				115°F			
			Entering Indoor Wet Bulb Temperature																							
			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	1050	MBh	33.2	34.4	37.7	-	32.4	33.6	36.8	-	31.6	32.8	35.9	-	30.9	32.0	35.0	-	29.3	30.4	33.3	-	27.2	28.1	30.8	-
		S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.81	0.67	0.47	-
		ΔT	20	18	13	-	21	18	14	-	21	18	14	-	21	18	14	-	20	18	13	-	19	17	13	-
		kW	1.91	1.95	2.01	-	2.06	2.11	2.18	-	2.19	2.24	2.32	-	2.31	2.37	2.45	-	2.42	2.47	2.56	-	2.50	2.56	2.65	-
		Amps	7.7	7.9	8.2	-	8.4	8.6	8.9	-	9.1	9.3	9.7	-	9.8	10.0	10.3	-	10.4	10.7	11.0	-	11.0	11.3	11.7	-
		Hi PR	213	230	243	-	240	258	272	-	272	293	310	-	310	334	353	-	349	376	397	-	386	415	438	-
		Lo PR	104	111	121	-	110	117	128	-	114	122	133	-	120	128	139	-	126	134	146	-	130	138	151	-
	1160	MBh	33.7	34.9	38.2	-	32.9	34.1	37.4	-	32.1	33.3	36.5	-	31.3	32.5	35.6	-	29.8	30.8	33.8	-	27.6	28.6	31.3	-
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.83	0.70	0.48	-
		ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
		kW	1.93	1.98	2.04	-	2.09	2.14	2.21	-	2.23	2.28	2.36	-	2.35	2.40	2.48	-	2.45	2.51	2.59	-	2.54	2.60	2.69	-
		Amps	7.9	8.1	8.3	-	8.5	8.7	9.0	-	9.3	9.5	9.8	-	9.9	10.2	10.5	-	10.6	10.8	11.2	-	11.2	11.5	11.9	-
		Hi PR	217	234	247	-	244	262	277	-	277	298	315	-	316	340	359	-	355	382	404	-	392	422	446	-
		Lo PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	132	141	154	-
	1350	MBh	34.7	36.0	39.4	-	33.9	35.1	38.5	-	33.1	34.3	37.6	-	32.3	33.4	36.6	-	30.7	31.8	34.8	-	28.4	29.4	32.2	-
		S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.48	-	0.87	0.72	0.50	-	0.88	0.73	0.51	-
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		kW	1.95	1.99	2.06	-	2.11	2.15	2.23	-	2.25	2.30	2.38	-	2.37	2.42	2.51	-	2.47	2.53	2.62	-	2.56	2.62	2.71	-
		Amps	7.9	8.1	8.4	-	8.6	8.8	9.1	-	9.4	9.6	9.9	-	10.0	10.3	10.6	-	10.7	10.9	11.3	-	11.3	11.6	12.0	-
		Hi PR	219	236	249	-	246	265	280	-	280	301	318	-	319	343	362	-	359	386	408	-	396	426	450	-
		Lo PR	107	114	124	-	113	120	131	-	117	125	136	-	123	131	143	-	129	137	150	-	134	142	155	-
75	1050	MBh	33.7	34.7	37.6	40.4	33.0	33.9	36.7	39.4	32.2	33.1	35.8	38.5	31.4	32.3	35.0	37.5	29.8	30.7	33.2	35.7	27.6	28.4	30.8	33.0
		S/T	0.80	0.71	0.54	0.4	0.83	0.74	0.56	0.4	0.85	0.76	0.57	0.4	0.87	0.78	0.59	0.4	0.91	0.81	0.61	0.4	0.92	0.82	0.62	0.4
		ΔT	24	22	18	12	24	22	18	12	24	22	18	12	24	22	18	13	24	22	18	12	22	20	17	12
		kW	1.92	1.97	2.03	2.1	2.08	2.12	2.20	2.3	2.21	2.26	2.34	2.4	2.33	2.39	2.47	2.6	2.44	2.49	2.58	2.7	2.53	2.58	2.67	2.8
		Amps	7.8	8.0	8.3	8.6	8.5	8.7	9.0	9.3	9.2	9.4	9.8	10.1	9.9	10.1	10.4	10.8	10.5	10.8	11.1	11.6	11.1	11.4	11.8	12.3
		Hi PR	216	232	245	256.0	242	260	275	287.0	275	296	313	326.0	313	337	356	371.0	353	379	401	418.0	390	419	443	462.0
		Lo PR	105	112	122	130.0	111	118	129	137.0	115	123	134	143.0	121	129	141	150.0	127	135	148	157.0	131	140	153	163.0
	1160	MBh	34.2	35.3	38.2	41.0	33.5	34.4	37.3	40.0	32.7	33.6	36.4	39.1	31.9	**32.8**	35.5	38.1	30.3	31.2	33.7	36.2	28.0	28.9	31.2	33.5
		S/T	0.83	0.74	0.56	0.4	0.86	0.77	0.58	0.4	0.88	0.79	0.59	0.4	0.91	**0.81**	0.61	0.4	0.94	0.84	0.64	0.4	0.95	0.85	0.64	0.4
		ΔT	22	21	17	12	23	21	17	12	23	21	17	12	23	**21**	17	12	23	21	17	12	21	19	16	11
		kW	1.95	1.99	2.06	2.1	2.11	2.16	2.23	2.3	2.25	2.30	2.38	2.5	2.37	**2.42**	2.51	2.6	2.47	2.53	2.62	2.7	2.56	2.62	2.71	2.8
		Amps	7.9	8.1	8.4	8.7	8.6	8.8	9.1	9.5	9.4	9.6	9.9	10.3	10.0	**10.3**	10.6	11.0	10.7	10.9	11.3	11.8	11.3	11.6	12.0	12.5
		Hi PR	219	236	249	260.0	246	265	280	292.0	280	301	318	332.0	319	**343**	362	378.0	359	386	408	425.0	396	427	450	470.0
		Lo PR	107	114	124	132.0	113	120	131	140.0	117	125	136	145.0	123	**131**	143	153.0	129	138	150	160.0	134	142	155	165.0
	1350	MBh	35.3	36.3	39.3	42.2	34.5	35.5	38.4	41.2	33.6	34.6	37.5	40.2	32.8	33.8	36.6	39.3	31.2	32.1	34.7	37.3	28.9	29.7	32.2	34.5
		S/T	0.87	0.78	0.59	0.4	0.90	0.80	0.61	0.4	0.92	0.82	0.62	0.4	0.95	0.85	0.64	0.4	0.99	0.88	0.67	0.4	0.99	0.89	0.67	0.4
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10
		kW	1.97	2.01	2.08	2.2	2.13	2.17	2.25	2.3	2.27	2.32	2.40	2.5	2.39	2.44	2.53	2.6	2.49	2.55	2.64	2.7	2.59	2.65	2.74	2.8
		Amps	8.0	8.2	8.5	8.8	8.7	8.9	9.2	9.5	9.4	9.7	10.0	10.4	10.1	10.4	10.7	11.1	10.8	11.0	11.4	11.9	11.4	11.7	12.1	12.6
		Hi PR	222	238	252	263.0	249	268	283	295.0	283	304	321	335.0	322	347	366	382.0	362	390	412	429.0	400	431	455	474.0
		Lo PR	108	115	125	134.0	114	121	133	141.0	119	126	138	147.0	125	133	145	154.0	131	139	152	161.0	135	144	157	167.0

IDB*: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps

Expanded Cooling Data — AVZC200361A* / CA*F3743*6D* + MBVC1600**-1A*+TXV (High Stage)

			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	1050	MBh	34.3	35.1	37.5	40.1	33.5	34.3	36.6	39.1	32.7	33.5	35.7	38.2	31.9	32.6	34.9	37.3	30.3	31.0	33.1	35.4	28.1	28.7	30.7	32.8
		S/T	0.87	0.82	0.67	0.5	0.91	0.85	0.69	0.5	0.93	0.87	0.71	0.5	0.96	0.90	0.73	0.6	1.00	0.93	0.76	0.6	1.00	0.94	0.77	0.6
		ΔT	26	25	22	18	27	25	22	18	27	26	22	18	27	26	22	18	26	25	22	18	25	24	21	16
		kW	1.94	1.98	2.05	2.1	2.10	2.14	2.21	2.3	2.23	2.28	2.36	2.4	2.35	2.41	2.49	2.6	2.46	2.52	2.60	2.7	2.55	2.61	2.70	2.8
		Amps	7.9	8.1	8.3	8.7	8.5	8.7	9.0	9.4	9.3	9.5	9.8	10.2	9.9	10.2	10.5	11.0	10.6	10.9	11.2	11.7	11.2	11.5	11.9	12.4
		Hi PR	218	234	248	258.0	244	263	278	290.0	278	299	316	329.0	317	341	360	375.0	356	383	405	422.0	394	424	447	466.0
		Lo PR	106	113	123	131.0	112	119	130	139.0	117	124	135	144.0	122	130	142	151.0	128	137	149	159.0	133	141	154	164.0
	1160	MBh	34.9	35.6	38.1	40.7	34.0	34.8	37.2	39.7	33.2	34.0	36.3	38.8	32.4	33.1	**35.4**	37.8	30.8	31.5	33.6	36.0	28.5	29.2	31.2	33.3
		S/T	0.91	0.85	0.69	0.5	0.94	0.88	0.72	0.5	0.96	0.90	0.74	0.6	0.99	0.93	**0.76**	0.6	1.00	0.97	0.79	0.6	1.00	0.98	0.79	0.6
		ΔT	25	24	21	17	25	24	21	17	25	24	21	17	26	24	**21**	17	24	24	21	17	23	23	20	16
		kW	1.97	2.01	2.08	2.2	2.13	2.17	2.25	2.3	2.27	2.32	2.40	2.5	2.39	2.44	**2.53**	2.6	2.50	2.55	2.64	2.7	2.59	2.65	2.74	2.8
		Amps	8.0	8.2	8.5	8.8	8.7	8.9	9.2	9.5	9.4	9.7	10.0	10.4	10.1	10.4	**10.7**	11.1	10.8	11.0	11.4	11.9	11.4	11.7	12.1	12.6
		Hi PR	222	238	252	263.0	249	268	283	295.0	283	304	321	335.0	322	347	**366**	382.0	362	390	412	429.0	400	431	455	475.0
		Lo PR	108	115	125	134.0	114	121	133	141.0	119	126	138	147.0	125	133	**145**	154.0	131	139	152	162.0	135	144	157	167.0
	1350	MBh	35.9	36.7	39.2	41.9	35.1	35.8	38.3	40.9	34.2	35.0	37.4	40.0	33.4	34.1	36.5	39.0	31.7	32.4	34.6	37.0	29.4	30.0	32.1	34.3
		S/T	0.95	0.89	0.73	0.5	1.00	0.92	0.75	0.6	1.00	0.95	0.77	0.6	1.00	1.00	0.80	0.6	1.00	1.00	0.83	0.6	1.00	1.00	0.83	0.6
		ΔT	23	22	19	15	24	23	20	16	23	23	20	16	23	23	20	16	22	22	19	16	20	20	18	15
		kW	1.98	2.03	2.09	2.2	2.14	2.19	2.27	2.3	2.29	2.34	2.42	2.5	2.41	2.47	2.55	2.6	2.52	2.58	2.66	2.8	2.61	2.67	2.76	2.9
		Amps	8.1	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.5	9.8	10.1	10.5	10.2	10.5	10.8	11.2	10.9	11.2	11.5	12.0	11.5	11.8	12.2	12.7
		Hi PR	224	241	254	265.0	251	270	285	298.0	286	307	325	339.0	325	350	370	386.0	366	394	416	434.0	404	435	459	479.0
		Lo PR	109	116	127	135.0	115	123	134	143.0	120	127	139	148.0	126	134	146	156.0	132	140	153	163.0	136	145	158	169.0
85	1050	MBh	34.9	35.6	37.3	39.8	34.1	34.8	36.4	38.9	33.3	34.0	35.6	37.9	32.5	33.1	34.7	37.0	30.9	31.5	33.0	35.2	28.6	29.2	30.5	32.6
		S/T	0.92	0.88	0.80	0.7	0.95	0.92	0.83	0.7	0.97	0.94	0.85	0.7	1.00	0.97	0.88	0.7	1.00	1.00	0.91	0.7	1.00	1.00	0.92	0.7
		ΔT	28	28	26	23	28	28	26	23	28	28	26	23	28	28	27	23	27	28	26	23	25	26	24	21
		kW	1.95	2.00	2.06	2.1	2.11	2.16	2.23	2.3	2.25	2.30	2.38	2.5	2.38	2.43	2.51	2.6	2.48	2.54	2.62	2.7	2.57	2.63	2.72	2.8
		Amps	8.0	8.2	8.4	8.7	8.6	8.8	9.1	9.5	9.4	9.6	9.9	10.3	10.0	10.3	10.6	11.1	10.7	11.0	11.3	11.8	11.4	11.6	12.0	12.5
		Hi PR	220	237	250	261.0	247	266	281	293.0	281	302	319	333.0	320	344	363	379.0	360	387	409	426.0	397	428	452	471.0
		Lo PR	107	114	125	133.0	113	121	132	140.0	118	125	137	146.0	124	132	144	153.0	130	138	151	160.0	134	143	156	166.0
	1160	MBh	35.5	36.2	37.9	40.4	34.6	35.3	37.0	39.5	33.8	34.5	36.1	38.5	33.0	33.6	35.2	37.6	31.3	31.9	33.5	35.7	29.0	29.6	31.0	33.1
		S/T	0.95	0.92	0.83	0.7	0.98	0.95	0.86	0.7	1.00	0.97	0.88	0.7	1.00	1.00	0.91	0.7	1.00	1.00	0.94	0.8	1.00	1.00	0.95	0.8
		ΔT	27	26	25	21	27	27	25	22	27	27	25	22	26	27	25	22	25	25	25	22	23	23	23	20
		kW	1.98	2.03	2.09	2.2	2.14	2.19	2.27	2.3	2.29	2.34	2.42	2.5	2.41	2.47	2.55	2.6	2.52	2.58	2.66	2.8	2.61	2.67	2.76	2.9
		Amps	8.1	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.5	9.8	10.1	10.5	10.2	10.5	10.8	11.2	10.9	11.2	11.5	12.0	11.5	11.8	12.2	12.7
		Hi PR	224	241	254	265.0	251	270	285	298.0	286	307	325	339.0	325	350	370	386.0	366	394	416	434.0	404	435	459	479.0
		Lo PR	109	116	127	135.0	115	123	134	143.0	120	127	139	148.0	126	134	146	156.0	132	140	153	163.0	136	145	158	169.0
	1350	MBh	36.5	37.2	39.0	41.6	35.7	36.4	38.1	40.6	34.8	35.5	37.2	39.7	34.0	34.6	36.3	38.7	32.3	32.9	34.5	36.8	29.9	30.5	31.9	34.1
		S/T	1.00	0.96	0.87	0.7	1.00	1.00	0.90	0.7	1.00	1.00	0.92	0.8	1.00	1.00	0.95	0.8	1.00	1.00	0.99	0.8	1.00	1.00	1.00	0.8
		ΔT	25	24	23	20	24	25	23	20	24	24	23	20	23	24	24	20	22	22	23	20	20	21	22	19
		kW	2.00	2.04	2.11	2.2	2.16	2.21	2.29	2.4	2.30	2.36	2.44	2.5	2.43	2.49	2.57	2.7	2.54	2.60	2.69	2.8	2.63	2.69	2.79	2.9
		Amps	8.2	8.4	8.6	9.0	8.8	9.1	9.4	9.7	9.6	9.9	10.2	10.6	10.3	10.6	10.9	11.3	11.0	11.3	11.6	12.1	11.6	11.9	12.4	12.8
		Hi PR	226	243	257	268.0	254	273	288	301.0	288	310	328	342.0	329	354	373	389.0	370	398	420	438.0	408	439	464	484.0
		Lo PR	110	117	128	136.0	116	124	135	144.0	121	129	141	150.0	127	135	148	157.0	133	142	155	165.0	138	147	160	170.0

IDB*: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI conditions

kW = Total system power

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

Amps = outdoor unit amps

Expanded Cooling Data — AVZC200361A* / CA*F3743*6D* + MBVC1600**-1A*+TXV (Low Stage)

			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	780	MBh	22.1	22.9	25.1	-	21.6	22.4	24.5	-	21.1	21.9	24.0	-	20.6	21.3	23.4	-	19.6	20.3	22.2	-	18.1	18.8	20.6	-
		S/T	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.83	0.69	0.48	-
		ΔT	19	16	12	-	19	16	12	-	19	16	13	-	19	17	13	-	19	16	12	-	18	15	12	-
		kW	1.29	1.31	1.35	-	1.38	1.41	1.45	-	1.46	1.50	1.54	-	1.54	1.57	1.62	-	1.60	1.63	1.68	-	1.65	1.69	1.74	-
		Amps	5.0	5.1	5.2	-	5.3	5.5	5.6	-	5.8	5.9	6.1	-	6.2	6.3	6.5	-	6.6	6.7	7.0	-	7.0	7.1	7.4	-
		Hi PR	201	217	229	-	226	243	257	-	257	277	292	-	293	315	333	-	329	354	374	-	364	392	413	-
		Lo PR	106	112	123	-	112	119	130	-	116	123	135	-	122	130	141	-	128	136	148	-	132	140	153	-
	895	MBh	24.0	24.8	27.2	-	23.4	24.3	26.6	-	22.9	23.7	26.0	-	22.3	23.1	25.3	-	21.2	22.0	24.1	-	19.6	20.3	22.3	-
		S/T	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.86	0.72	0.50	-
		ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		kW	1.32	1.35	1.39	-	1.42	1.44	1.49	-	1.50	1.53	1.58	-	1.57	1.61	1.66	-	1.64	1.67	1.73	-	1.69	1.73	1.79	-
		Amps	5.1	5.2	5.4	-	5.5	5.6	5.8	-	6.0	6.1	6.3	-	6.4	6.5	6.7	-	6.8	6.9	7.2	-	7.2	7.3	7.6	-
		Hi PR	208	223	236	-	233	251	265	-	265	285	301	-	302	325	343	-	339	365	386	-	375	404	426	-
		Lo PR	109	116	126	-	115	122	134	-	119	127	139	-	126	134	146	-	132	140	153	-	136	145	158	-
	1000	MBh	24.3	25.2	27.6	-	23.8	24.6	27.0	-	23.2	24.0	26.3	-	22.6	23.5	25.7	-	21.5	22.3	24.4	-	19.9	20.6	22.6	-
		S/T	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.83	0.69	0.48	-	0.86	0.71	0.49	-	0.89	0.74	0.51	-	0.90	0.75	0.52	-
		ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-
		kW	1.33	1.35	1.39	-	1.42	1.45	1.50	-	1.51	1.54	1.59	-	1.58	1.62	1.67	-	1.65	1.68	1.74	-	1.70	1.74	1.80	-
		Amps	5.1	5.2	5.4	-	5.5	5.7	5.8	-	6.0	6.1	6.3	-	6.4	6.6	6.8	-	6.8	7.0	7.2	-	7.2	7.4	7.6	-
		Hi PR	209	225	238	-	235	252	267	-	267	287	303	-	304	327	345	-	342	368	388	-	378	406	429	-
		Lo PR	110	117	127	-	116	123	134	-	120	128	140	-	126	134	147	-	132	141	154	-	137	146	159	-
75	780	MBh	22.5	23.2	25.1	26.9	22.0	22.6	24.5	26.3	21.5	22.1	23.9	25.7	20.9	21.6	23.3	25.0	19.9	20.5	22.2	23.8	18.4	19.0	20.5	22.0
		S/T	0.82	0.73	0.55	0.4	0.85	0.76	0.57	0.4	0.87	0.78	0.59	0.4	0.90	0.80	0.61	0.4	0.93	0.83	0.63	0.4	0.94	0.84	0.64	0.4
		ΔT	22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	12	22	20	16	11	20	19	15	11
		kW	1.30	1.32	1.36	1.4	1.39	1.42	1.46	1.5	1.48	1.51	1.55	1.6	1.55	1.58	1.63	1.7	1.61	1.65	1.70	1.8	1.67	1.70	1.76	1.8
		Amps	5.0	5.1	5.3	5.5	5.4	5.5	5.7	5.9	5.8	6.0	6.2	6.4	6.2	6.4	6.6	6.8	6.6	6.8	7.0	7.3	7.0	7.2	7.4	7.7
		Hi PR	203	219	231	241	228	246	259	271	260	279	295	308	296	318	336	350	333	358	378	394	368	396	418	436
		Lo PR	107	113	124	132	113	120	131	139	117	125	136	145	123	131	143	152	129	137	150	159	133	142	155	165
	895	MBh	24.4	25.1	27.2	29.2	23.8	24.5	26.5	28.5	23.2	23.9	25.9	27.8	22.7	**23.4**	25.3	27.1	21.5	22.2	24.0	25.8	20.0	20.5	22.2	23.9
		S/T	0.85	0.76	0.57	0.4	0.88	0.79	0.60	0.4	0.90	0.81	0.61	0.4	0.93	**0.83**	0.63	0.4	0.97	0.86	0.65	0.4	0.97	0.87	0.66	0.4
		ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	**20**	16	11	21	20	16	11	20	18	15	10
		kW	1.33	1.36	1.40	1.4	1.43	1.46	1.50	1.6	1.51	1.54	1.59	1.6	1.59	**1.62**	1.67	1.7	1.65	1.69	1.74	1.8	1.71	1.74	1.80	1.9
		Amps	5.1	5.3	5.4	5.6	5.5	5.7	5.9	6.1	6.0	6.2	6.4	6.6	6.4	**6.6**	6.8	7.0	6.8	7.0	7.2	7.5	7.2	7.4	7.6	7.9
		Hi PR	210	226	238	249	235	253	267	279	268	288	304	317	305	**328**	346	361	343	369	390	406	379	408	431	449
		Lo PR	110	117	128	136	116	124	135	144	121	128	140	149	127	**135**	147	157	133	141	154	164	137	146	160	170
	1000	MBh	24.7	25.5	27.6	29.6	24.2	24.9	26.9	28.9	23.6	24.3	26.3	28.2	23.0	23.7	25.7	27.5	21.9	22.5	24.4	26.2	20.3	20.9	22.6	24.2
		S/T	0.89	0.79	0.60	0.4	0.92	0.82	0.62	0.4	0.94	0.84	0.64	0.4	0.97	0.87	0.66	0.4	1.00	0.90	0.68	0.4	1.00	0.91	0.69	0.4
		ΔT	20	19	15	11	20	19	15	11	20	19	15	11	21	19	16	11	20	19	15	11	19	17	14	10
		kW	1.34	1.36	1.40	1.5	1.43	1.46	1.51	1.6	1.52	1.55	1.60	1.7	1.60	1.63	1.68	1.7	1.66	1.70	1.75	1.8	1.72	1.75	1.81	1.9
		Amps	5.2	5.3	5.5	5.7	5.6	5.7	5.9	6.1	6.0	6.2	6.4	6.6	6.5	6.6	6.8	7.1	6.9	7.0	7.3	7.5	7.3	7.4	7.7	8.0
		Hi PR	211	227	240	250	237	255	269	281	270	290	306	319	307	330	349	364	345	372	392	409	382	411	434	452
		Lo PR	111	118	129	137	117	124	136	145	122	129	141	150	128	136	148	158	134	142	155	166	138	147	161	171

IDB*: Entering Indoor Dry Bulb Temperature

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

kW = Total system power

Amps = outdoor unit amps

Expanded Cooling Data — AVZC200361A* / CA*F3743*6D* + MBVC1600**-1A*+TXV (Low Stage)

			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	780	MBh	22.9	23.4	25.0	26.7	22.4	22.9	24.4	26.1	21.8	22.3	23.8	25.5	21.3	21.8	23.3	24.9	20.2	20.7	22.1	23.6	18.7	19.2	20.5	21.9
		S/T	0.90	0.84	0.69	0.5	0.93	0.87	0.71	0.5	0.95	0.89	0.73	0.5	0.98	0.92	0.75	0.6	1.02	0.96	0.78	0.6	1.03	0.97	0.79	0.6
		ΔT	24	23	20	16	25	24	20	16	25	24	20	16	25	24	21	16	24	23	20	16	23	22	19	15
		kW	1.31	1.34	1.37	1.4	1.40	1.43	1.48	1.5	1.49	1.52	1.57	1.6	1.56	1.60	1.65	1.7	1.63	1.66	1.71	1.8	1.68	1.72	1.77	1.8
		Amps	5.0	5.2	5.3	5.5	5.4	5.6	5.7	6.0	5.9	6.0	6.2	6.5	6.3	6.4	6.7	6.9	6.7	6.9	7.1	7.4	7.1	7.3	7.5	7.8
		Hi PR	205	221	234	244	231	248	262	273	262	282	298	311	299	321	339	354	336	362	382	398	371	400	422	440
		Lo PR	108	115	125	133	114	121	132	141	118	126	137	146	124	132	144	154	130	139	151	161	135	143	156	167
	895	MBh	24.8	25.4	27.1	29.0	24.2	24.8	26.5	28.3	23.7	24.2	25.8	27.6	23.1	23.6	**25.1**	26.9	21.9	22.4	23.9	25.6	20.3	20.8	22.2	23.7
		S/T	0.93	0.87	0.71	0.5	0.96	0.90	0.74	0.6	0.99	0.93	0.76	0.6	1.00	0.96	**0.78**	0.6	1.00	0.99	0.81	0.6	1.00	1.00	0.82	0.6
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	**20**	16	23	23	20	16	21	21	19	15
		kW	1.34	1.37	1.41	1.5	1.44	1.47	1.51	1.6	1.52	1.56	1.60	1.7	1.60	1.63	**1.69**	1.7	1.67	1.70	1.76	1.8	1.72	1.76	1.82	1.9
		Amps	5.2	5.3	5.5	5.7	5.6	5.7	5.9	6.1	6.1	6.2	6.4	6.7	6.5	6.6	**6.8**	7.1	6.9	7.1	7.3	7.6	7.3	7.5	7.7	8.0
		Hi PR	212	228	241	251	238	256	270	282	270	291	307	320	308	331	**350**	365	346	373	394	411	383	412	435	454
		Lo PR	111	118	129	137	117	125	136	145	122	130	142	151	128	136	**149**	158	134	143	156	166	139	148	161	172
	1000	MBh	25.2	25.7	27.5	29.4	24.6	25.1	26.9	28.7	24.0	24.5	26.2	28.0	23.4	23.9	25.6	27.3	22.3	22.7	24.3	26.0	20.6	21.1	22.5	24.1
		S/T	0.97	0.91	0.74	0.6	1.00	0.94	0.77	0.6	1.00	0.97	0.79	0.6	1.00	1.00	0.81	0.6	1.00	1.00	0.84	0.6	1.00	1.00	0.85	0.6
		ΔT	23	22	19	15	23	22	19	15	22	22	19	15	22	22	19	15	20	21	19	15	19	19	18	14
		kW	1.35	1.37	1.41	1.5	1.45	1.47	1.52	1.6	1.53	1.56	1.61	1.7	1.61	1.64	1.70	1.8	1.67	1.71	1.77	1.8	1.73	1.77	1.83	1.9
		Amps	5.2	5.3	5.5	5.7	5.6	5.8	5.9	6.2	6.1	6.2	6.5	6.7	6.5	6.7	6.9	7.2	6.9	7.1	7.3	7.6	7.3	7.5	7.8	8.1
		Hi PR	213	230	242	253	239	258	272	284	272	293	309	323	310	334	352	367	349	375	396	413	385	415	438	457
		Lo PR	112	119	130	138	118	126	137	146	123	131	143	152	129	137	150	160	135	144	157	167	140	149	162	173
85	780	MBh	23.3	23.8	24.9	26.5	22.8	23.2	24.3	25.9	22.2	22.6	23.7	25.3	21.7	22.1	23.1	24.7	20.6	21.0	22.0	23.5	19.1	19.4	20.4	21.7
		S/T	0.94	0.91	0.82	0.7	0.98	0.94	0.85	0.7	1.00	0.96	0.87	0.7	1.00	1.00	0.90	0.7	1.00	1.00	0.93	0.8	1.00	1.00	0.94	0.8
		ΔT	26	25	24	21	26	26	24	21	26	26	24	21	26	26	25	21	24	25	24	21	22	23	23	20
		kW	1.32	1.35	1.39	1.4	1.41	1.44	1.49	1.5	1.50	1.53	1.58	1.6	1.57	1.61	1.66	1.7	1.64	1.67	1.73	1.8	1.69	1.73	1.79	1.8
		Amps	5.1	5.2	5.4	5.6	5.5	5.6	5.8	6.0	6.0	6.1	6.3	6.5	6.4	6.5	6.7	7.0	6.8	6.9	7.2	7.4	7.2	7.3	7.6	7.9
		Hi PR	208	223	236	246	233	251	265	276	265	285	301	314	302	325	343	358	339	365	386	402	375	404	426	444
		Lo PR	109	116	126	135	115	122	133	142	119	127	139	148	125	133	146	155	131	140	153	163	136	145	158	168
	895	MBh	25.2	25.7	27.0	28.8	24.7	25.1	26.3	28.1	24.1	24.5	25.7	27.4	23.5	23.9	25.1	26.8	22.3	22.7	23.8	25.4	20.7	21.1	22.1	23.5
		S/T	0.98	0.94	0.85	0.7	1.00	0.98	0.88	0.7	1.00	1.00	0.90	0.7	1.00	1.00	0.93	0.8	1.00	1.00	0.97	0.8	1.00	1.00	0.98	0.8
		ΔT	25	25	24	20	25	25	24	21	25	25	24	21	24	25	24	21	23	23	24	20	21	22	22	19
		kW	1.35	1.38	1.42	1.5	1.45	1.48	1.52	1.6	1.54	1.57	1.62	1.7	1.61	1.65	1.70	1.8	1.68	1.71	1.77	1.8	1.74	1.77	1.83	1.9
		Amps	5.2	5.3	5.5	5.7	5.6	5.8	6.0	6.2	6.1	6.3	6.5	6.7	6.5	6.7	6.9	7.2	6.9	7.1	7.4	7.6	7.4	7.5	7.8	8.1
		Hi PR	214	230	243	254	240	258	273	285	273	294	310	324	311	335	353	369	350	376	398	415	387	416	439	458
		Lo PR	112	119	130	139	118	126	138	147	123	131	143	152	129	138	150	160	136	144	157	168	140	149	163	173
	1000	MBh	25.6	26.1	27.4	29.2	25.0	25.5	26.7	28.5	24.4	24.9	26.1	27.8	23.8	24.3	25.5	27.2	22.6	23.1	24.2	25.8	21.0	21.4	22.4	23.9
		S/T	1.00	0.98	0.89	0.7	1.00	1.00	0.92	0.8	1.00	1.00	0.94	0.8	1.00	1.00	0.97	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		ΔT	24	24	22	19	23	23	23	20	22	23	23	20	22	22	23	20	21	21	22	19	19	20	21	18
		kW	1.36	1.38	1.43	1.5	1.46	1.49	1.53	1.6	1.54	1.58	1.63	1.7	1.62	1.66	1.71	1.8	1.69	1.72	1.78	1.8	1.75	1.78	1.84	1.9
		Amps	5.3	5.4	5.6	5.8	5.7	5.8	6.0	6.2	6.2	6.3	6.5	6.8	6.6	6.7	7.0	7.2	7.0	7.2	7.4	7.7	7.4	7.6	7.8	8.1
		Hi PR	215	232	245	255	242	260	275	287	275	296	312	326	313	337	356	371	352	379	400	418	389	419	442	461
		Lo PR	113	120	131	140	119	127	139	148	124	132	144	153	130	139	151	161	137	145	159	169	141	150	164	175

IDB*: Entering Indoor Dry Bulb Temperature

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

kW = Total system power

Amps = outdoor unit amps

Expanded Cooling Data — AVZC200481A* / CA*F4961*6D* + MBVC2000**-1A*+TXV (High Stage)

IDB*	Airflow		Outdoor Ambient Temperature																							
			65°F				75°F				85°F				95°F				105°F				115°F			
			Entering Indoor Wet Bulb Temperature																							
			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	1300	MBh	43.6	45.2	49.5	-	42.6	44.1	48.3	-	41.5	43.1	47.2	-	40.5	42.0	46.0	-	38.5	39.9	43.7	-	35.7	37.0	40.5	-
		S/T	0.69	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.79	0.66	0.46	-
		ΔT	21	18	14	-	21	19	14	-	21	19	14	-	22	19	14	-	21	18	14	-	20	17	13	-
		kW	2.71	2.76	2.85	-	2.92	2.98	3.08	-	3.11	3.18	3.29	-	3.28	3.35	3.46	-	3.42	3.50	3.62	-	3.54	3.62	3.75	-
		Amps	10.9	11.2	11.6	-	11.8	12.1	12.5	-	12.9	13.2	13.6	-	13.8	14.1	14.6	-	14.7	15.0	15.5	-	15.5	15.9	16.5	-
		Hi PR	219	236	249	-	246	264	279	-	279	301	318	-	318	343	362	-	358	385	407	-	396	426	450	-
		Lo PR	103	110	120	-	109	116	127	-	113	121	132	-	119	127	138	-	125	133	145	-	129	137	150	-
	1440	MBh	44.2	45.9	50.2	-	43.2	44.8	49.1	-	42.2	43.7	47.9	-	41.2	42.7	46.7	-	39.1	40.5	44.4	-	36.2	37.5	41.1	-
		S/T	0.71	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.82	0.68	0.47	-
		ΔT	20	17	13	-	20	18	13	-	20	18	13	-	21	18	13	-	20	18	13	-	19	16	12	-
		kW	2.74	2.80	2.90	-	2.96	3.03	3.13	-	3.15	3.23	3.33	-	3.32	3.40	3.52	-	3.47	3.55	3.67	-	3.59	3.68	3.80	-
		Amps	11.1	11.4	11.7	-	12.0	12.3	12.7	-	13.1	13.4	13.8	-	14.0	14.3	14.8	-	14.9	15.3	15.8	-	15.8	16.2	16.7	-
		Hi PR	223	240	253	-	250	269	284	-	284	306	323	-	324	348	368	-	364	392	414	-	403	433	457	-
		Lo PR	105	112	122	-	111	118	129	-	115	123	134	-	121	129	141	-	127	135	147	-	131	140	152	-
	1580	MBh	44.7	46.3	50.7	-	43.6	45.2	49.6	-	42.6	44.2	48.4	-	41.6	43.1	47.2	-	39.5	40.9	44.8	-	36.6	37.9	41.5	-
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.83	0.70	0.48	-
		ΔT	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	16	12	-	18	15	12	-
		kW	2.75	2.81	2.90	-	2.97	3.04	3.14	-	3.16	3.23	3.34	-	3.33	3.41	3.52	-	3.48	3.56	3.68	-	3.60	3.69	3.81	-
		Amps	11.1	11.4	11.8	-	12.0	12.3	12.8	-	13.1	13.4	13.9	-	14.0	14.4	14.9	-	14.9	15.3	15.8	-	15.8	16.2	16.8	-
		Hi PR	223	240	254	-	251	270	285	-	285	307	324	-	325	350	369	-	365	393	415	-	404	434	459	-
		Lo PR	105	112	122	-	111	118	129	-	116	123	134	-	121	129	141	-	127	135	148	-	132	140	153	-
75	1300	MBh	44.3	45.6	49.4	53.0	43.3	44.6	48.2	51.8	42.3	43.5	47.1	50.5	41.2	42.4	45.9	49.3	39.2	40.3	43.6	46.8	36.3	37.3	40.4	43.4
		S/T	0.78	0.70	0.53	0.3	0.81	0.72	0.55	0.4	0.83	0.74	0.56	0.4	0.86	0.77	0.58	0.4	0.89	0.80	0.60	0.4	0.90	0.80	0.61	0.4
		ΔT	24	23	18	13	25	23	19	13	25	23	19	13	25	23	19	13	25	23	19	13	23	21	17	12
		kW	2.73	2.79	2.88	3.0	2.94	3.01	3.11	3.2	3.14	3.21	3.31	3.4	3.31	3.38	3.49	3.6	3.45	3.53	3.65	3.8	3.57	3.65	3.78	3.9
		Amps	11.0	11.3	11.7	12.1	11.9	12.2	12.6	13.1	13.0	13.3	13.8	14.3	13.9	14.2	14.7	15.3	14.8	15.2	15.7	16.3	15.7	16.1	16.6	17.3
		Hi PR	221	238	251	262	248	267	282	294	282	304	321	335	322	346	365	381	362	389	411	429	400	430	454	474
		Lo PR	104	111	121	129	110	117	128	136	114	122	133	142	120	128	140	149	126	134	146	156	130	139	151	161
	1440	MBh	45.0	46.3	50.1	53.8	43.9	45.2	49.0	52.6	42.9	44.2	47.8	51.3	41.9	**43.1**	46.6	50.1	39.8	40.9	44.3	47.6	36.8	37.9	41.0	44.0
		S/T	0.81	0.72	0.55	0.4	0.84	0.75	0.57	0.4	0.86	0.77	0.58	0.4	0.89	**0.79**	0.60	0.4	0.92	0.82	0.62	0.4	0.93	0.83	0.63	0.4
		ΔT	23	21	18	12	24	22	18	12	24	22	18	12	24	**22**	18	12	23	22	18	12	22	20	16	11
		kW	2.77	2.83	2.92	3.0	2.99	3.05	3.16	3.3	3.18	3.25	3.36	3.5	3.35	**3.43**	3.55	3.7	3.50	3.58	3.70	3.8	3.63	3.71	3.84	4.0
		Amps	11.2	11.5	11.9	12.3	12.1	12.4	12.8	13.3	13.2	13.5	14.0	14.5	14.1	**14.5**	15.0	15.5	15.0	15.4	15.9	16.6	15.9	16.3	16.9	17.6
		Hi PR	225	242	256	267	253	272	287	299	287	309	326	340	327	**352**	372	388	368	396	418	436	407	438	462	482
		Lo PR	106	113	123	131	112	119	130	139	116	124	135	144	122	**130**	142	151	128	136	149	159	133	141	154	164
	1580	MBh	45.4	46.8	50.6	54.3	44.4	45.7	49.5	53.1	43.3	44.6	48.3	51.8	42.3	43.5	47.1	50.6	40.2	41.3	44.8	48.0	37.2	38.3	41.5	44.5
		S/T	0.83	0.74	0.56	0.4	0.86	0.77	0.58	0.4	0.88	0.79	0.59	0.4	0.91	0.81	0.61	0.4	0.94	0.84	0.64	0.4	0.95	0.85	0.64	0.4
		ΔT	22	20	16	11	22	20	17	12	22	20	17	12	22	21	17	12	22	20	17	11	21	19	15	11
		kW	2.77	2.83	2.93	3.0	2.99	3.06	3.16	3.3	3.19	3.26	3.37	3.5	3.36	3.44	3.56	3.7	3.51	3.59	3.71	3.8	3.63	3.72	3.85	4.0
		Amps	11.2	11.5	11.9	12.3	12.2	12.5	12.9	13.4	13.2	13.6	14.0	14.6	14.2	14.5	15.0	15.6	15.1	15.5	16.0	16.6	16.0	16.4	17.0	17.6
		Hi PR	226	243	257	268	253	273	288	300	288	310	327	341	328	353	373	389	369	397	419	438	408	439	463	483
		Lo PR	106	113	124	132	112	120	131	139	117	124	136	144	123	131	142	152	129	137	149	159	133	141	154	165

IDB*: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps

Expanded Cooling Data — AVZC200481A* / CA*F4961*6D* + MBVC2000**-1A*+TXV (High Stage)

			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	1300	MBh	45.1	46.1	49.2	52.6	44.1	45.0	48.1	51.4	43.0	43.9	46.9	50.2	42.0	42.9	45.8	49.0	39.9	40.7	43.5	46.5	36.9	37.7	40.3	43.1
		S/T	0.86	0.80	0.65	0.5	0.89	0.83	0.68	0.5	0.91	0.85	0.70	0.5	0.94	0.88	0.72	0.5	0.98	0.92	0.74	0.6	0.98	0.92	0.75	0.6
		ΔT	27	26	23	18	28	27	23	18	28	27	23	18	28	27	23	19	28	26	23	18	26	25	21	17
		kW	2.75	2.81	2.90	3.0	2.97	3.04	3.14	3.2	3.16	3.23	3.34	3.5	3.33	3.41	3.52	3.7	3.48	3.56	3.68	3.8	3.60	3.69	3.81	4.0
		Amps	11.1	11.4	11.8	12.2	12.0	12.3	12.8	13.2	13.1	13.4	13.9	14.4	14.0	14.4	14.9	15.4	14.9	15.3	15.8	16.4	15.8	16.2	16.8	17.4
		Hi PR	223	240	254	265	251	270	285	297	285	307	324	338	325	350	369	385	365	393	415	433	404	434	459	479
		Lo PR	105	112	122	130	111	118	129	138	116	123	134	143	121	129	141	150	127	135	148	157	132	140	153	163
	1440	MBh	45.8	46.8	50.0	53.4	44.7	45.7	48.8	52.2	43.7	44.6	47.7	51.0	42.6	43.5	**46.5**	49.7	40.5	41.3	44.2	47.2	37.5	38.3	40.9	43.7
		S/T	0.89	0.83	0.68	0.5	0.92	0.86	0.70	0.5	0.94	0.89	0.72	0.5	0.97	0.91	**0.74**	0.6	1.00	0.95	0.77	0.6	1.00	0.96	0.78	0.6
		ΔT	26	25	22	17	26	25	22	18	26	25	22	18	27	25	**22**	18	26	25	22	17	24	23	20	16
		kW	2.79	2.85	2.94	3.0	3.01	3.08	3.18	3.3	3.21	3.28	3.39	3.5	3.38	3.46	**3.58**	3.7	3.53	3.61	3.73	3.9	3.66	3.74	3.87	4.0
		Amps	11.3	11.6	12.0	12.4	12.2	12.5	13.0	13.5	13.3	13.6	14.1	14.6	14.2	14.6	**15.1**	15.7	15.2	15.6	16.1	16.7	16.1	16.5	17.1	17.7
		Hi PR	227	245	258	269	255	275	290	302	290	312	330	344	330	356	**376**	392	372	400	422	441	411	442	467	487
		Lo PR	107	114	124	133	113	120	131	140	118	125	137	145	124	131	**144**	153	129	138	150	160	134	142	156	166
	1580	MBh	46.2	47.3	50.5	54.0	45.2	46.2	49.3	52.7	44.1	45.1	48.1	51.5	43.0	44.0	47.0	50.2	40.9	41.8	44.6	47.7	37.9	38.7	41.3	44.2
		S/T	0.91	0.85	0.69	0.5	0.94	0.88	0.72	0.5	0.96	0.90	0.74	0.6	1.00	0.93	0.76	0.6	1.00	0.97	0.79	0.6	1.00	0.98	0.79	0.6
		ΔT	24	23	20	16	25	24	21	16	25	24	21	16	25	24	21	17	24	24	20	16	22	22	19	15
		kW	2.80	2.86	2.95	3.1	3.02	3.09	3.19	3.3	3.22	3.29	3.40	3.5	3.39	3.47	3.59	3.7	3.54	3.62	3.74	3.9	3.67	3.75	3.88	4.0
		Amps	11.3	11.6	12.0	12.5	12.3	12.6	13.0	13.5	13.4	13.7	14.1	14.7	14.3	14.6	15.1	15.7	15.2	15.6	16.1	16.8	16.1	16.5	17.1	17.8
		Hi PR	228	245	259	270	256	275	291	303	291	313	331	345	331	357	377	393	373	401	424	442	412	443	468	488
		Lo PR	107	114	125	133	114	121	132	140	118	126	137	146	124	132	144	153	130	138	151	161	134	143	156	166
85	1300	MBh	45.9	46.8	49.0	52.3	44.8	45.7	47.9	51.1	43.8	44.6	46.7	49.8	42.7	43.5	45.6	48.6	40.6	41.3	43.3	46.2	37.6	38.3	40.1	42.8
		S/T	0.90	0.87	0.78	0.6	0.93	0.90	0.81	0.7	0.95	0.92	0.83	0.7	0.99	0.95	0.86	0.7	1.00	0.99	0.89	0.7	1.00	1.00	0.90	0.7
		ΔT	29	29	27	23	30	29	27	24	30	29	27	24	30	29	28	24	29	29	27	24	27	27	25	22
		kW	2.77	2.83	2.93	3.0	2.99	3.06	3.16	3.3	3.19	3.26	3.37	3.5	3.36	3.44	3.55	3.7	3.51	3.59	3.71	3.8	3.63	3.72	3.85	4.0
		Amps	11.2	11.5	11.9	12.3	12.2	12.5	12.9	13.4	13.2	13.6	14.0	14.5	14.2	14.5	15.0	15.6	15.1	15.5	16.0	16.6	16.0	16.4	17.0	17.6
		Hi PR	226	243	256	268	253	273	288	300	288	310	327	341	328	353	373	389	369	397	419	437	408	439	463	483
		Lo PR	106	113	124	132	112	120	131	139	117	124	136	144	123	131	142	152	129	137	149	159	133	141	154	164
	1440	MBh	46.6	47.5	49.7	53.1	45.5	46.4	48.6	51.8	44.4	45.3	47.4	50.6	43.3	44.2	46.3	49.4	41.2	42.0	44.0	46.9	38.1	38.9	40.7	43.4
		S/T	0.93	0.90	0.81	0.7	0.97	0.93	0.84	0.7	0.99	0.96	0.86	0.7	1.00	0.99	0.89	0.7	1.00	1.00	0.92	0.8	1.00	1.00	0.93	0.8
		ΔT	28	27	26	22	28	28	26	23	28	28	26	23	28	28	26	23	26	27	26	22	24	25	24	21
		kW	2.81	2.87	2.97	3.1	3.04	3.11	3.21	3.3	3.24	3.31	3.42	3.5	3.41	3.49	3.61	3.7	3.56	3.64	3.77	3.9	3.69	3.77	3.90	4.0
		Amps	11.4	11.7	12.1	12.5	12.4	12.7	13.1	13.6	13.4	13.8	14.2	14.8	14.4	14.7	15.2	15.8	15.3	15.7	16.2	16.9	16.3	16.7	17.2	17.9
		Hi PR	230	247	261	272	258	277	293	305	293	315	333	347	334	359	379	396	375	404	427	445	415	446	471	492
		Lo PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
	1580	MBh	47.1	48.0	50.2	53.6	46.0	46.8	49.1	52.3	44.9	45.7	47.9	51.1	43.8	44.6	46.7	49.9	41.6	42.4	44.4	47.4	38.5	39.3	41.1	43.9
		S/T	0.95	0.92	0.83	0.7	0.98	0.95	0.86	0.7	1.00	0.97	0.88	0.7	1.00	1.00	0.91	0.7	1.00	1.00	0.94	0.8	1.00	1.00	0.95	0.8
		ΔT	26	26	24	21	26	26	24	21	26	26	25	21	25	26	25	21	24	25	24	21	22	23	23	20
		kW	2.82	2.88	2.98	3.1	3.05	3.11	3.22	3.3	3.24	3.32	3.43	3.6	3.42	3.50	3.62	3.7	3.57	3.65	3.78	3.9	3.70	3.78	3.91	4.1
		Amps	11.4	11.7	12.1	12.6	12.4	12.7	13.1	13.6	13.5	13.8	14.3	14.8	14.4	14.8	15.3	15.9	15.4	15.7	16.3	16.9	16.3	16.7	17.3	17.9
		Hi PR	230	248	262	273	258	278	294	306	294	316	334	348	335	360	380	397	377	405	428	446	416	448	473	493
		Lo PR	109	115	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	140	152	162	136	144	158	168

IDB*: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI conditions

kW = Total system power

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

Amps = outdoor unit amps

			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	980	MBh	29.0	30.1	32.9	-	28.3	29.4	32.2	-	27.7	28.7	31.4	-	27.0	28.0	30.6	-	25.6	26.6	29.1	-	23.7	24.6	27.0	-
		S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.67	0.46	-	0.80	0.67	0.47	-
		ΔT	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-
		kW	1.79	1.83	1.88	-	1.92	1.96	2.01	-	2.03	2.07	2.13	-	2.13	2.17	2.24	-	2.21	2.26	2.33	-	2.28	2.33	2.40	-
		Amps	6.8	7.0	7.2	-	7.3	7.5	7.7	-	7.9	8.1	8.4	-	8.5	8.7	8.9	-	9.0	9.2	9.5	-	9.5	9.7	10.1	-
		Hi PR	209	225	237	-	234	252	266	-	266	287	303	-	303	326	345	-	341	367	388	-	377	406	429	-
		Lo PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	148	-	132	141	154	-
	1090	MBh	30.5	31.7	34.7	-	29.8	30.9	33.9	-	29.1	30.2	33.1	-	28.4	29.4	32.3	-	27.0	28.0	30.6	-	25.0	25.9	28.4	-
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-
		ΔT	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	16	12	-	18	15	12	-
		kW	1.82	1.85	1.91	-	1.95	1.99	2.04	-	2.06	2.10	2.17	-	2.16	2.20	2.27	-	2.24	2.29	2.36	-	2.32	2.37	2.44	-
		Amps	6.9	7.1	7.3	-	7.5	7.6	7.9	-	8.1	8.3	8.5	-	8.6	8.8	9.1	-	9.2	9.4	9.7	-	9.7	9.9	10.2	-
		Hi PR	213	229	242	-	239	257	272	-	272	293	309	-	310	333	352	-	348	375	396	-	385	414	437	-
		Lo PR	108	115	125	-	114	121	132	-	118	126	138	-	124	132	145	-	130	139	152	-	135	144	157	-
	1280	MBh	31.5	32.6	35.7	-	30.7	31.8	34.9	-	30.0	31.1	34.1	-	29.3	30.3	33.2	-	27.8	28.8	31.6	-	25.7	26.7	29.2	-
		S/T	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.82	0.68	0.47	-	0.84	0.70	0.49	-	0.87	0.73	0.51	-	0.88	0.74	0.51	-
		ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-	16	14	11	-
		kW	1.83	1.87	1.92	-	1.96	2.00	2.06	-	2.08	2.12	2.18	-	2.18	2.22	2.29	-	2.26	2.31	2.38	-	2.34	2.39	2.46	-
		Amps	7.0	7.1	7.4	-	7.5	7.7	7.9	-	8.2	8.3	8.6	-	8.7	8.9	9.2	-	9.2	9.5	9.8	-	9.8	10.0	10.3	-
		Hi PR	215	232	244	-	241	260	274	-	275	295	312	-	313	336	355	-	352	379	400	-	389	418	442	-
		Lo PR	109	116	127	-	115	123	134	-	120	127	139	-	126	134	146	-	132	140	153	-	136	145	158	-
75	980	MBh	29.5	30.4	32.9	35.3	28.8	29.7	32.1	34.5	28.1	29.0	31.4	33.6	27.4	28.3	30.6	32.8	26.1	26.8	29.1	31.2	24.2	24.9	26.9	28.9
		S/T	0.80	0.71	0.54	0.4	0.83	0.74	0.56	0.4	0.85	0.76	0.57	0.4	0.87	0.78	0.59	0.4	0.91	0.81	0.61	0.4	0.91	0.82	0.62	0.4
		ΔT	22	20	17	11	22	21	17	12	22	21	17	12	23	21	17	12	22	20	17	12	21	19	16	11
		kW	1.80	1.84	1.89	2.0	1.93	1.97	2.03	2.1	2.04	2.09	2.15	2.2	2.14	2.19	2.25	2.3	2.23	2.27	2.34	2.4	2.30	2.35	2.42	2.5
		Amps	6.9	7.0	7.2	7.5	7.4	7.6	7.8	8.1	8.0	8.2	8.5	8.8	8.5	8.7	9.0	9.4	9.1	9.3	9.6	9.9	9.6	9.8	10.2	10.5
		Hi PR	211	227	240	250	237	255	269	280	269	290	306	319	306	330	348	363	345	371	392	409	381	410	433	452
		Lo PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	143	152	129	137	150	160	134	142	155	165
	1090	MBh	31.1	32.0	34.6	37.1	30.3	31.2	33.8	36.3	29.6	30.5	33.0	35.4	28.9	**29.7**	32.2	34.6	27.4	28.3	30.6	32.8	25.4	26.2	28.3	30.4
		S/T	0.83	0.74	0.56	0.4	0.86	0.77	0.58	0.4	0.88	0.79	0.60	0.4	0.91	**0.82**	0.62	0.4	0.95	0.85	0.64	0.4	0.96	0.85	0.65	0.4
		ΔT	22	20	16	11	22	20	17	11	22	20	17	12	22	**20**	17	12	22	20	17	11	20	19	15	11
		kW	1.83	1.87	1.92	2.0	1.96	2.00	2.06	2.1	2.08	2.12	2.18	2.3	2.18	**2.22**	2.29	2.4	2.26	2.31	2.38	2.5	2.34	2.39	2.46	2.5
		Amps	7.0	7.1	7.4	7.6	7.5	7.7	7.9	8.2	8.2	8.3	8.6	8.9	8.7	**8.9**	9.2	9.5	9.2	9.5	9.8	10.1	9.8	10.0	10.3	10.7
		Hi PR	215	232	245	255	241	260	274	286	275	295	312	325	313	**337**	355	371	352	379	400	417	389	418	442	461
		Lo PR	109	116	127	135	115	123	134	142	120	127	139	148	126	**134**	146	156	132	140	153	163	136	145	158	169
	1280	MBh	32.0	32.9	35.6	38.3	31.2	32.2	34.8	37.4	30.5	31.4	34.0	36.5	29.8	30.6	33.2	35.6	28.3	29.1	31.5	33.8	26.2	27.0	29.2	31.3
		S/T	0.87	0.78	0.59	0.4	0.90	0.81	0.61	0.4	0.93	0.83	0.63	0.4	0.96	0.86	0.65	0.4	0.99	0.89	0.67	0.4	1.00	0.90	0.68	0.4
		ΔT	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	19	15	11	19	17	14	10
		kW	1.84	1.88	1.94	2.0	1.98	2.02	2.08	2.1	2.09	2.13	2.20	2.3	2.19	2.24	2.31	2.4	2.28	2.33	2.40	2.5	2.36	2.41	2.48	2.6
		Amps	7.0	7.2	7.4	7.7	7.6	7.8	8.0	8.3	8.2	8.4	8.7	9.0	8.8	9.0	9.3	9.6	9.3	9.5	9.9	10.2	9.9	10.1	10.4	10.8
		Hi PR	217	234	247	258	244	262	277	289	277	298	315	329	316	340	359	374	355	382	404	421	393	423	446	465
		Lo PR	110	117	128	136	116	124	135	144	121	129	140	150	127	135	148	157	133	142	155	165	138	146	160	170

IDB*: Entering Indoor Dry Bulb Temperature

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

kW = Total system power

Amps = outdoor unit amps

Expanded Cooling Data — AVZC200481A* / CA*F4961*6D* + MBVC2000**-1A*+TXV (Low Stage)

			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	980	MBh	30.0	30.7	32.8	35.0	29.3	30.0	32.0	34.2	28.6	29.3	31.3	33.4	27.9	28.5	30.5	32.6	26.5	27.1	29.0	31.0	24.6	25.1	26.8	28.7
		S/T	0.87	0.82	0.67	0.5	0.91	0.85	0.69	0.5	0.93	0.87	0.71	0.5	0.96	0.90	0.73	0.6	1.00	0.93	0.76	0.6	1.00	0.94	0.77	0.6
		ΔT	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	16	23	22	19	15
		kW	1.82	1.85	1.91	2.0	1.95	1.99	2.04	2.1	2.06	2.10	2.17	2.2	2.16	2.20	2.27	2.3	2.24	2.29	2.36	2.4	2.32	2.37	2.44	2.5
		Amps	6.9	7.1	7.3	7.6	7.5	7.6	7.9	8.2	8.1	8.3	8.5	8.8	8.6	8.8	9.1	9.4	9.2	9.4	9.7	10.0	9.7	9.9	10.2	10.6
		Hi PR	213	229	242	252	239	257	272	283	272	293	309	322	310	333	352	367	348	375	396	413	385	414	437	456
		Lo PR	108	115	125	133	114	121	132	141	118	126	138	147	124	132	145	154	130	139	152	161	135	144	157	167
	1090	MBh	31.6	32.3	34.5	36.9	30.9	31.5	33.7	36.0	30.1	30.8	32.9	35.2	29.4	30.0	**32.1**	34.3	27.9	28.5	30.5	32.6	25.9	26.4	28.2	30.2
		S/T	0.91	0.86	0.70	0.5	0.95	0.89	0.72	0.5	0.97	0.91	0.74	0.6	1.00	0.94	**0.76**	0.6	1.00	0.97	0.79	0.6	1.00	0.98	0.80	0.6
		ΔT	24	23	20	16	25	24	21	16	25	24	21	16	25	24	**21**	17	24	23	20	16	22	22	19	15
		kW	1.85	1.88	1.94	2.0	1.98	2.02	2.08	2.1	2.09	2.13	2.20	2.3	2.19	2.24	**2.31**	2.4	2.28	2.33	2.40	2.5	2.36	2.41	2.48	2.6
		Amps	7.0	7.2	7.4	7.7	7.6	7.8	8.0	8.3	8.2	8.4	8.7	9.0	8.8	9.0	**9.3**	9.6	9.3	9.5	9.9	10.2	9.9	10.1	10.4	10.8
		Hi PR	217	234	247	258	244	262	277	289	277	298	315	329	316	340	**359**	374	355	382	404	421	393	423	446	465
		Lo PR	110	117	128	136	116	124	135	144	121	129	140	150	127	135	**148**	157	133	142	155	165	138	146	160	170
	1280	MBh	32.6	33.3	35.5	38.0	31.8	32.5	34.7	37.1	31.0	31.7	33.9	36.2	30.3	30.9	33.1	35.3	28.8	29.4	31.4	33.6	26.7	27.2	29.1	31.1
		S/T	0.96	0.90	0.73	0.6	1.00	0.93	0.76	0.6	1.00	0.95	0.78	0.6	1.00	1.00	0.80	0.6	1.00	1.00	0.83	0.6	1.00	1.00	0.84	0.6
		ΔT	22	21	19	15	23	22	19	15	22	22	19	15	22	22	19	15	21	21	19	15	19	20	18	14
		kW	1.86	1.90	1.95	2.0	1.99	2.03	2.09	2.2	2.11	2.15	2.22	2.3	2.21	2.26	2.33	2.4	2.30	2.35	2.42	2.5	2.37	2.42	2.50	2.6
		Amps	7.1	7.3	7.5	7.8	7.7	7.8	8.1	8.4	8.3	8.5	8.8	9.1	8.9	9.1	9.4	9.7	9.4	9.6	9.9	10.3	10.0	10.2	10.5	10.9
		Hi PR	220	236	249	260	246	265	280	292	280	301	318	332	319	343	363	378	359	386	408	425	397	427	451	470
		Lo PR	111	118	129	138	118	125	136	145	122	130	142	151	128	136	149	159	134	143	156	166	139	148	162	172
85	980	MBh	30.6	31.1	32.6	34.8	29.8	30.4	31.9	34.0	29.1	29.7	31.1	33.2	28.4	29.0	30.3	32.4	27.0	27.5	28.8	30.8	25.0	25.5	26.7	28.5
		S/T	0.92	0.88	0.80	0.7	0.95	0.92	0.83	0.7	0.97	0.94	0.85	0.7	1.00	0.97	0.88	0.7	1.00	1.00	0.91	0.7	1.00	1.00	0.92	0.7
		ΔT	26	26	24	21	27	26	25	21	27	26	25	21	27	26	25	22	25	26	25	21	23	24	23	20
		kW	1.83	1.87	1.92	2.0	1.96	2.00	2.06	2.1	2.08	2.12	2.18	2.3	2.18	2.22	2.29	2.4	2.26	2.31	2.38	2.5	2.34	2.39	2.46	2.5
		Amps	7.0	7.1	7.4	7.6	7.5	7.7	7.9	8.2	8.2	8.3	8.6	8.9	8.7	8.9	9.2	9.5	9.2	9.5	9.8	10.1	9.8	10.0	10.3	10.7
		Hi PR	215	232	244	255	241	260	274	286	275	295	312	325	313	336	355	371	352	379	400	417	389	418	442	461
		Lo PR	109	116	127	135	115	123	134	142	120	127	139	148	126	134	146	156	132	140	153	163	136	145	158	169
	1090	MBh	32.2	32.8	34.3	36.6	31.4	32.0	33.5	35.8	30.7	31.3	32.7	34.9	29.9	30.5	31.9	34.1	28.4	29.0	30.3	32.4	26.3	26.8	28.1	30.0
		S/T	0.96	0.92	0.83	0.7	0.99	0.96	0.86	0.7	1.00	0.98	0.89	0.7	1.00	1.00	0.91	0.7	1.00	1.00	0.95	0.8	1.00	1.00	0.96	0.8
		ΔT	26	26	24	21	26	26	24	21	26	26	24	21	25	26	25	21	24	24	24	21	22	23	23	20
		kW	1.86	1.90	1.95	2.0	1.99	2.03	2.09	2.2	2.11	2.15	2.22	2.3	2.21	2.26	2.33	2.4	2.30	2.35	2.42	2.5	2.37	2.42	2.50	2.6
		Amps	7.1	7.3	7.5	7.8	7.7	7.8	8.1	8.4	8.3	8.5	8.8	9.1	8.9	9.1	9.4	9.7	9.4	9.6	9.9	10.3	10.0	10.2	10.5	10.9
		Hi PR	220	236	249	260	246	265	280	292	280	301	318	332	319	343	363	378	359	386	408	425	397	427	451	470
		Lo PR	111	118	129	138	118	125	136	145	122	130	142	151	128	136	149	159	134	143	156	166	139	148	162	172
	1280	MBh	33.1	33.8	35.4	37.7	32.4	33.0	34.5	36.9	31.6	32.2	33.7	36.0	30.8	31.4	32.9	35.1	29.3	29.8	31.3	33.3	27.1	27.6	28.9	30.9
		S/T	1.00	0.97	0.87	0.7	1.00	1.00	0.91	0.7	1.00	1.00	0.93	0.8	1.00	1.00	0.96	0.8	1.00	1.00	0.99	0.8	1.00	1.00	1.00	0.8
		ΔT	24	23	22	19	23	24	22	19	23	23	22	19	22	23	23	20	21	21	22	19	19	20	21	18
		kW	1.87	1.91	1.97	2.0	2.01	2.05	2.11	2.2	2.12	2.17	2.23	2.3	2.23	2.27	2.34	2.4	2.32	2.37	2.44	2.5	2.39	2.44	2.52	2.6
		Amps	7.2	7.3	7.6	7.8	7.7	7.9	8.2	8.5	8.4	8.6	8.8	9.2	8.9	9.1	9.4	9.8	9.5	9.7	10.0	10.4	10.0	10.3	10.6	11.0
		Hi PR	222	239	252	263	249	268	283	295	283	304	322	335	322	347	366	382	363	390	412	430	401	431	455	475
		Lo PR	112	120	130	139	119	126	138	147	123	131	143	153	130	138	150	160	136	144	158	168	140	149	163	174

IDB*: Entering Indoor Dry Bulb Temperature

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

kW = Total system power

Amps = outdoor unit amps

Expanded Cooling Data — AVZC200601A* / CA*F4961*6D* + MBVC2000**-1A*+TXV (High Stage)

			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	1500	MBh	49.2	51.0	55.9	-	48.1	49.8	54.6	-	46.9	48.6	53.3	-	45.8	47.4	52.0	-	43.5	45.1	49.4	-	29.7	30.8	33.7	-
		S/T	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	-	0.86	0.72	0.50	-
		ΔT	21	18	14	-	21	19	14	-	21	19	14	-	22	19	14	-	21	18	14	-	16	14	10	-
		kW	3.20	3.26	3.37	-	3.44	3.52	3.63	-	3.66	3.74	3.86	-	3.85	3.94	4.07	-	4.02	4.11	4.24	-	2.57	2.63	2.70	-
		Amps	12.5	12.8	13.3	-	13.6	13.9	14.4	-	14.8	15.1	15.6	-	15.8	16.2	16.7	-	16.8	17.3	17.8	-	10.3	10.5	10.9	-
		Hi PR	219	235	249	-	245	264	279	-	279	300	317	-	318	342	361	-	358	385	406	-	369	397	419	-
		Lo PR	102	108	118	-	107	114	125	-	111	119	129	-	117	125	136	-	123	131	143	-	137	145	159	-
	1660	MBh	49.9	51.8	56.7	-	48.8	50.6	55.4	-	47.6	49.4	54.1	-	46.5	48.2	52.8	-	44.1	45.7	50.1	-	30.1	31.2	34.2	-
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.89	0.74	0.52	-
		ΔT	20	17	13	-	20	18	13	-	20	18	13	-	21	18	13	-	20	18	13	-	15	13	10	-
		kW	3.24	3.31	3.41	-	3.49	3.57	3.68	-	3.71	3.80	3.92	-	3.91	4.00	4.13	-	4.08	4.17	4.31	-	2.61	2.66	2.74	-
		Amps	12.7	13.0	13.5	-	13.8	14.1	14.6	-	15.0	15.4	15.9	-	16.1	16.5	17.0	-	17.1	17.5	18.1	-	10.5	10.7	11.1	-
		Hi PR	222	239	253	-	250	269	284	-	284	306	323	-	323	348	368	-	364	392	413	-	375	404	426	-
		Lo PR	103	110	120	-	109	116	127	-	113	121	132	-	119	127	138	-	125	133	145	-	139	148	161	-
	1840	MBh	50.7	52.5	57.6	-	49.5	51.3	56.2	-	48.3	50.1	54.9	-	47.2	48.9	53.6	-	44.8	46.4	50.9	-	30.6	31.7	34.7	-
		S/T	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.81	0.67	0.47	-	0.83	0.70	0.48	-	0.86	0.72	0.50	-	0.93	0.78	0.54	-
		ΔT	19	17	13	-	19	17	13	-	19	17	13	-	20	17	13	-	19	17	13	-	14	12	9	-
		kW	3.26	3.33	3.43	-	3.51	3.59	3.70	-	3.73	3.82	3.94	-	3.93	4.02	4.15	-	4.10	4.19	4.33	-	2.62	2.67	2.75	-
		Amps	12.8	13.1	13.6	-	13.9	14.2	14.7	-	15.1	15.5	16.0	-	16.2	16.6	17.1	-	17.2	17.7	18.3	-	10.5	10.8	11.1	-
		Hi PR	224	241	255	-	251	271	286	-	286	308	325	-	326	350	370	-	366	394	416	-	378	407	429	-
		Lo PR	104	111	121	-	110	117	128	-	114	122	133	-	120	128	139	-	126	134	146	-	140	149	163	-
75	1500	MBh	50.0	51.5	55.8	59.8	48.9	50.3	54.5	58.5	47.7	49.1	53.2	57.1	46.5	47.9	51.9	55.7	44.2	45.5	49.3	52.9	30.2	31.1	33.6	36.1
		S/T	0.80	0.71	0.54	0.4	0.83	0.74	0.56	0.4	0.85	0.76	0.57	0.4	0.87	0.78	0.59	0.4	0.91	0.81	0.61	0.4	0.98	0.87	0.66	0.4
		ΔT	24	23	18	13	25	23	19	13	25	23	19	13	25	23	19	13	25	23	19	13	18	17	14	9
		kW	3.22	3.29	3.39	3.5	3.47	3.55	3.66	3.8	3.69	3.77	3.90	4.0	3.89	3.97	4.10	4.2	4.05	4.14	4.28	4.4	2.59	2.65	2.73	2.8
		Amps	12.7	13.0	13.4	13.9	13.7	14.0	14.5	15.1	14.9	15.3	15.8	16.4	16.0	16.4	16.9	17.6	17.0	17.4	18.0	18.7	10.4	10.6	11.0	11.4
		Hi PR	221	238	251	262	248	267	282	294	282	303	320	334	321	346	365	381	361	389	411	428	373	401	423	442
		Lo PR	103	109	119	127	108	115	126	134	113	120	131	139	118	126	137	146	124	132	144	153	138	147	160	171
	1660	MBh	50.8	52.3	56.6	60.8	49.6	51.1	55.3	59.3	48.4	49.9	54.0	57.9	47.3	**48.6**	52.7	56.5	44.9	46.2	50.0	53.7	30.7	31.6	34.2	36.7
		S/T	0.83	0.74	0.56	0.4	0.86	0.77	0.58	0.4	0.88	0.79	0.59	0.4	0.91	**0.81**	0.61	0.4	0.94	0.84	0.64	0.4	1.00	0.91	0.69	0.4
		ΔT	23	21	18	12	24	22	18	12	24	22	18	12	24	**22**	18	12	23	22	18	12	17	16	13	9
		kW	3.27	3.34	3.44	3.6	3.52	3.60	3.71	3.8	3.74	3.83	3.95	4.1	3.94	**4.03**	4.16	4.3	4.11	4.20	4.34	4.5	2.63	2.68	2.76	2.9
		Amps	12.9	13.2	13.6	14.1	13.9	14.3	14.7	15.3	15.1	15.5	16.1	16.7	16.2	**16.6**	17.2	17.8	17.3	17.7	18.3	19.0	10.6	10.8	11.2	11.6
		Hi PR	225	242	255	266	252	271	287	299	287	309	326	340	327	**352**	371	387	368	396	418	436	379	408	431	449
		Lo PR	104	111	121	129	110	117	128	136	115	122	133	142	120	**128**	140	149	126	134	146	156	140	149	163	174
	1840	MBh	51.6	53.1	57.5	61.7	50.4	51.8	56.1	60.2	49.2	50.6	54.8	58.8	48.0	49.4	53.4	57.4	45.6	46.9	50.8	54.5	31.1	32.0	34.7	37.2
		S/T	0.86	0.77	0.58	0.4	0.89	0.80	0.61	0.4	0.92	0.82	0.62	0.4	0.95	0.85	0.64	0.4	0.98	0.88	0.67	0.4	1.00	0.95	0.72	0.5
		ΔT	22	20	17	12	23	21	17	12	23	21	17	12	23	21	17	12	22	21	17	12	16	15	12	9
		kW	3.28	3.36	3.46	3.6	3.54	3.62	3.74	3.9	3.77	3.85	3.98	4.1	3.97	4.05	4.19	4.3	4.14	4.23	4.37	4.5	2.64	2.70	2.78	2.9
		Amps	12.9	13.3	13.7	14.2	14.0	14.4	14.8	15.4	15.2	15.6	16.2	16.8	16.3	16.7	17.3	18.0	17.4	17.8	18.4	19.1	10.6	10.9	11.2	11.6
		Hi PR	226	244	257	268	254	273	289	301	289	311	328	342	329	354	374	390	370	398	421	439	382	411	434	452
		Lo PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	148	157	141	150	164	175

IDB*: Entering Indoor Dry Bulb Temperature

Shaded area reflects ACCA (TVA) conditions

kW = Total system power

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

Amps = outdoor unit amps

Expanded Cooling Data — AVZC200601A* / CA*F4961*6D* + MBVC2000**-1A*+TXV (High Stage)

			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	1500	MBh	50.9	52.0	55.6	59.4	49.7	50.8	54.3	58.0	48.6	49.6	53.0	56.7	47.4	48.4	51.7	55.3	45.0	46.0	49.1	52.5	30.7	31.4	33.5	35.9
		S/T	0.87	0.82	0.67	0.5	0.91	0.85	0.69	0.5	0.93	0.87	0.71	0.5	0.96	0.90	0.73	0.6	1.00	0.93	0.76	0.6	1.00	1.01	0.82	0.6
		ΔT	27	26	23	18	28	26	23	18	28	26	23	18	28	27	23	19	27	26	23	18	19	19	17	13
		kW	3.25	3.32	3.42	3.5	3.50	3.58	3.69	3.8	3.72	3.80	3.93	4.1	3.92	4.01	4.14	4.3	4.09	4.18	4.32	4.5	2.61	2.67	2.75	2.8
		Amps	12.8	13.1	13.5	14.0	13.8	14.2	14.6	15.2	15.0	15.4	15.9	16.6	16.1	16.5	17.1	17.7	17.2	17.6	18.2	18.9	10.5	10.7	11.1	11.5
		Hi PR	223	240	254	265	250	269	285	297	285	306	324	338	324	349	369	384	365	393	415	433	376	405	428	446
		Lo PR	104	110	120	128	109	116	127	135	114	121	132	141	120	127	139	148	125	133	145	155	139	148	162	172
	1660	MBh	51.7	52.8	56.4	60.3	50.5	51.6	55.1	58.9	49.3	50.4	53.8	57.5	48.1	49.1	**52.5**	56.1	45.7	46.7	49.9	53.3	31.2	31.9	34.1	36.4
		S/T	0.91	0.85	0.69	0.5	0.94	0.88	0.72	0.5	0.96	0.90	0.74	0.6	0.99	0.93	**0.76**	0.6	1.00	0.97	0.79	0.6	1.00	1.00	0.85	0.6
		ΔT	26	25	22	17	26	25	22	17	26	25	22	18	26	25	**22**	18	25	25	22	17	17	18	16	13
		kW	3.29	3.36	3.47	3.6	3.55	3.63	3.74	3.9	3.78	3.86	3.99	4.1	3.98	4.06	**4.20**	4.3	4.15	4.24	4.38	4.5	2.65	2.70	2.78	2.9
		Amps	13.0	13.3	13.7	14.3	14.0	14.4	14.9	15.4	15.3	15.7	16.2	16.8	16.4	16.8	**17.3**	18.0	17.4	17.9	18.5	19.2	10.6	10.9	11.3	11.7
		Hi PR	227	244	258	269	255	274	290	302	290	312	329	343	330	355	**375**	391	371	400	422	440	383	412	435	454
		Lo PR	105	112	122	130	111	118	129	138	116	123	134	143	122	129	**141**	150	127	136	148	158	142	151	165	175
	1840	MBh	52.5	53.6	57.3	61.2	51.3	52.4	56.0	59.8	50.0	51.1	54.6	58.4	48.8	49.9	53.3	57.0	46.4	47.4	50.6	54.1	31.7	32.4	34.6	37.0
		S/T	0.95	0.89	0.72	0.5	0.98	0.92	0.75	0.6	1.00	0.94	0.77	0.6	1.00	0.97	0.79	0.6	1.00	1.00	0.82	0.6	1.00	1.00	0.89	0.7
		ΔT	25	24	21	17	25	24	21	17	25	24	21	17	24	24	21	17	23	24	21	17	16	16	15	12
		kW	3.31	3.38	3.49	3.6	3.57	3.65	3.77	3.9	3.80	3.88	4.01	4.1	4.00	4.09	4.22	4.4	4.17	4.26	4.41	4.6	2.66	2.72	2.80	2.9
		Amps	13.1	13.4	13.8	14.4	14.1	14.5	15.0	15.5	15.4	15.8	16.3	16.9	16.5	16.9	17.5	18.1	17.6	18.0	18.6	19.3	10.7	11.0	11.3	11.8
		Hi PR	229	246	260	271	257	276	292	304	292	314	332	346	332	358	378	394	374	402	425	443	386	415	438	457
		Lo PR	106	113	123	131	112	119	130	139	117	124	135	144	122	130	142	151	128	136	149	159	143	152	166	177
85	1500	MBh	51.8	52.8	55.3	59.0	50.6	51.6	54.0	57.6	49.4	50.4	52.7	56.3	48.2	49.1	51.5	54.9	45.8	46.7	48.9	52.1	31.3	31.9	33.4	35.6
		S/T	0.92	0.88	0.80	0.7	0.95	0.92	0.83	0.7	0.97	0.94	0.85	0.7	1.00	0.97	0.88	0.7	1.00	1.00	0.91	0.7	1.00	1.00	0.98	0.8
		ΔT	29	29	27	23	29	29	27	24	29	29	27	24	30	29	28	24	28	29	27	24	19	20	20	17
		kW	3.27	3.34	3.45	3.6	3.53	3.61	3.72	3.9	3.75	3.84	3.96	4.1	3.95	4.04	4.17	4.3	4.12	4.21	4.35	4.5	2.63	2.69	2.77	2.9
		Amps	12.9	13.2	13.6	14.2	14.0	14.3	14.8	15.3	15.2	15.6	16.1	16.7	16.3	16.7	17.2	17.9	17.3	17.8	18.4	19.1	10.6	10.8	11.2	11.6
		Hi PR	225	243	256	267	253	272	287	300	288	310	327	341	328	353	372	388	369	397	419	437	380	409	432	451
		Lo PR	105	111	122	129	111	118	128	137	115	122	133	142	121	128	140	149	126	135	147	156	141	150	164	174
	1660	MBh	52.6	53.6	56.2	59.9	51.4	52.4	54.8	58.5	50.2	51.1	53.5	57.1	48.9	49.9	52.2	55.7	46.5	47.4	49.6	52.9	31.7	32.4	33.9	36.2
		S/T	0.95	0.92	0.83	0.7	0.98	0.95	0.86	0.7	1.00	0.97	0.88	0.7	1.00	1.00	0.91	0.7	1.00	1.00	0.94	0.8	1.00	1.00	1.00	0.8
		ΔT	28	27	26	22	28	28	26	23	28	28	26	23	27	28	26	23	26	26	26	22	18	18	19	16
		kW	3.32	3.39	3.50	3.6	3.58	3.66	3.78	3.9	3.81	3.89	4.02	4.2	4.01	4.10	4.24	4.4	4.18	4.28	4.42	4.6	2.67	2.72	2.80	2.9
		Amps	13.1	13.4	13.9	14.4	14.2	14.5	15.0	15.6	15.4	15.8	16.4	17.0	16.5	16.9	17.5	18.2	17.6	18.0	18.7	19.4	10.7	11.0	11.4	11.8
		Hi PR	229	247	261	272	257	277	292	305	293	315	333	347	333	359	379	395	375	404	426	444	387	416	439	458
		Lo PR	106	113	124	132	112	120	131	139	117	124	136	145	123	131	143	152	129	137	149	159	143	152	166	177
	1840	MBh	53.4	54.4	57.0	60.8	52.1	53.2	55.7	59.4	50.9	51.9	54.3	58.0	49.7	50.6	53.0	56.6	47.2	48.1	50.4	53.7	32.2	32.8	34.4	36.7
		S/T	0.99	0.96	0.86	0.7	1.00	0.99	0.90	0.7	1.00	1.00	0.92	0.8	1.00	1.00	0.95	0.8	1.00	1.00	0.98	0.8	1.00	1.00	1.00	0.9
		ΔT	26	26	25	21	26	26	25	22	25	26	25	22	25	25	25	22	24	24	25	21	16	16	17	16
		kW	3.34	3.41	3.52	3.6	3.60	3.68	3.80	3.9	3.83	3.91	4.04	4.2	4.03	4.12	4.26	4.4	4.21	4.30	4.45	4.6	2.68	2.74	2.82	2.9
		Amps	13.2	13.5	14.0	14.5	14.3	14.6	15.1	15.7	15.5	15.9	16.5	17.1	16.6	17.0	17.6	18.3	17.7	18.2	18.8	19.5	10.8	11.1	11.4	11.9
		Hi PR	231	248	262	274	259	279	294	307	295	317	335	349	336	361	381	398	378	406	429	448	389	419	442	462
		Lo PR	107	114	125	133	113	120	132	140	118	125	137	146	124	132	144	153	130	138	151	160	144	154	168	178

IDB*: Entering Indoor Dry Bulb Temperature

Shaded area reflects AHRI conditions

kW = Total system power

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

Amps = outdoor unit amps

Expanded Cooling Data — AVZC200601A* / CA*F4961*6D* + MBVC2000**-1A*+TXV (Low Stage)

			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	1050	MBh	31.8	33.0	36.1	-	31.1	32.2	35.3	-	30.3	31.4	34.4	-	29.6	30.7	33.6	-	28.1	29.1	31.9	-	26.0	27.0	29.6	-
		S/T	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.63	0.44	-	0.78	0.66	0.45	-	0.81	0.68	0.47	-	0.82	0.69	0.48	-
		ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	18	13	-	20	17	13	-	19	16	12	-
		kW	1.98	2.01	2.07	-	2.11	2.15	2.21	-	2.22	2.26	2.33	-	2.32	2.37	2.44	-	2.41	2.46	2.53	-	2.48	2.53	2.61	-
		Amps	7.0	7.2	7.4	-	7.6	7.8	8.0	-	8.2	8.4	8.7	-	8.8	9.0	9.2	-	9.3	9.5	9.8	-	9.8	10.1	10.4	-
		Hi PR	208	224	237	-	234	252	266	-	266	286	302	-	303	326	344	-	341	367	387	-	377	405	428	-
		Lo PR	104	111	121	-	110	117	128	-	114	122	133	-	120	128	139	-	126	134	146	-	130	138	151	-
	1180	MBh	33.5	34.7	38.0	-	32.7	33.9	37.1	-	31.9	33.1	36.3	-	31.2	32.3	35.4	-	29.6	30.7	33.6	-	27.4	28.4	31.1	-
		S/T	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.86	0.72	0.50	-
		ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
		kW	2.01	2.04	2.10	-	2.14	2.18	2.24	-	2.25	2.30	2.36	-	2.36	2.40	2.47	-	2.44	2.49	2.57	-	2.52	2.57	2.65	-
		Amps	7.2	7.3	7.6	-	7.7	7.9	8.1	-	8.4	8.6	8.8	-	8.9	9.1	9.4	-	9.5	9.7	10.0	-	10.0	10.3	10.6	-
		Hi PR	213	229	242	-	239	257	271	-	271	292	308	-	309	333	351	-	348	374	395	-	384	414	437	-
		Lo PR	106	113	123	-	112	119	130	-	117	124	135	-	122	130	142	-	128	137	149	-	133	141	154	-
	1350	MBh	34.5	35.8	39.2	-	33.7	34.9	38.3	-	32.9	34.1	37.3	-	32.1	33.3	36.4	-	30.5	31.6	34.6	-	28.2	29.3	32.1	-
		S/T	0.78	0.65	0.45	-	0.81	0.68	0.47	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.89	0.74	0.52	-	0.90	0.75	0.52	-
		ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
		kW	2.02	2.06	2.11	-	2.15	2.19	2.25	-	2.27	2.31	2.38	-	2.37	2.42	2.49	-	2.46	2.51	2.58	-	2.54	2.59	2.67	-
		Amps	7.2	7.4	7.6	-	7.8	8.0	8.2	-	8.4	8.6	8.9	-	9.0	9.2	9.5	-	9.6	9.8	10.1	-	10.1	10.3	10.7	-
		Hi PR	215	231	244	-	241	259	274	-	274	295	312	-	312	336	355	-	351	378	399	-	388	418	441	-
		Lo PR	107	114	125	-	113	121	132	-	118	125	137	-	124	132	144	-	130	138	151	-	134	143	156	-
75	1050	MBh	32.4	33.3	36.1	38.7	31.6	32.5	35.2	37.8	30.8	31.8	34.4	36.9	30.1	31.0	33.5	36.0	28.6	29.4	31.9	34.2	26.5	27.3	29.5	31.7
		S/T	0.81	0.73	0.55	0.4	0.84	0.75	0.57	0.4	0.86	0.77	0.58	0.4	0.89	0.80	0.60	0.4	0.93	0.83	0.63	0.4	0.93	0.83	0.63	0.4
		ΔT	23	21	17	12	23	21	18	12	23	21	18	12	24	22	18	12	23	21	17	12	22	20	16	11
		kW	1.99	2.03	2.08	2.1	2.12	2.16	2.22	2.3	2.24	2.28	2.35	2.4	2.34	2.39	2.45	2.5	2.43	2.47	2.55	2.6	2.50	2.55	2.63	2.7
		Amps	7.1	7.3	7.5	7.8	7.7	7.8	8.1	8.4	8.3	8.5	8.8	9.1	8.8	9.0	9.3	9.7	9.4	9.6	9.9	10.3	9.9	10.2	10.5	10.9
		Hi PR	211	227	239	250	236	254	269	280	269	289	305	319	306	329	348	363	344	371	391	408	380	409	432	451
		Lo PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	148	157	131	140	153	163
	1180	MBh	34.1	35.1	38.0	40.7	33.3	34.2	37.1	39.8	32.5	33.4	36.2	38.8	31.7	**32.6**	35.3	37.9	30.1	31.0	33.5	36.0	27.9	28.7	31.1	33.3
		S/T	0.85	0.76	0.57	0.4	0.88	0.79	0.60	0.4	0.90	0.81	0.61	0.4	0.93	**0.83**	0.63	0.4	0.97	0.86	0.65	0.4	0.97	0.87	0.66	0.4
		ΔT	23	21	17	12	23	21	17	12	23	21	17	12	23	**21**	17	12	23	21	17	12	21	19	16	11
		kW	2.02	2.06	2.11	2.2	2.15	2.19	2.25	2.3	2.27	2.31	2.38	2.5	2.37	**2.42**	2.49	2.6	2.46	2.51	2.59	2.7	2.54	2.59	2.67	2.8
		Amps	7.2	7.4	7.6	7.9	7.8	8.0	8.2	8.5	8.4	8.6	8.9	9.2	9.0	**9.2**	9.5	9.9	9.6	9.8	10.1	10.5	10.1	10.3	10.7	11.1
		Hi PR	215	231	244	255	241	259	274	286	274	295	312	325	312	**336**	355	370	351	378	399	416	388	418	441	460
		Lo PR	107	114	125	133	113	121	132	140	118	125	137	146	124	**132**	144	153	130	138	151	160	134	143	156	166
	1350	MBh	35.1	36.1	39.1	42.0	34.3	35.3	38.2	41.0	33.4	34.4	37.3	40.0	32.6	33.6	36.4	39.0	31.0	31.9	34.5	37.1	28.7	29.6	32.0	34.3
		S/T	0.89	0.80	0.60	0.4	0.92	0.82	0.62	0.4	0.95	0.85	0.64	0.4	0.98	0.87	0.66	0.4	1.00	0.91	0.69	0.4	1.00	0.91	0.69	0.4
		ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
		kW	2.03	2.07	2.13	2.2	2.17	2.21	2.27	2.3	2.29	2.33	2.40	2.5	2.39	2.44	2.51	2.6	2.48	2.53	2.60	2.7	2.56	2.61	2.69	2.8
		Amps	7.3	7.5	7.7	8.0	7.9	8.0	8.3	8.6	8.5	8.7	9.0	9.3	9.1	9.3	9.6	9.9	9.6	9.9	10.2	10.6	10.2	10.4	10.8	11.2
		Hi PR	217	234	247	257	244	262	277	289	277	298	315	328	315	339	358	374	355	382	403	421	392	422	446	465
		Lo PR	108	115	126	134	114	122	133	142	119	127	138	147	125	133	145	155	131	139	152	162	135	144	157	168

IDB*: Entering Indoor Dry Bulb Temperature

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

kW = Total system power

Amps = outdoor unit amps

Expanded Cooling Data — AVZC200601A* / CA*F4961*6D* + MBVC2000**-1A*+TXV (Low Stage)

			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	1050	MBh	32.9	33.6	35.9	38.4	32.2	32.9	35.1	37.5	31.4	32.1	34.3	36.6	30.6	31.3	33.4	35.7	29.1	29.7	31.8	34.0	27.0	27.5	29.4	31.5
		S/T	0.89	0.84	0.68	0.5	0.92	0.87	0.71	0.5	0.95	0.89	0.72	0.5	0.98	0.92	0.75	0.6	1.02	0.95	0.77	0.6	1.02	0.96	0.78	0.6
		ΔT	26	25	21	17	26	25	22	17	26	25	22	17	26	25	22	17	26	25	22	17	24	23	20	16
		kW	2.01	2.04	2.10	2.2	2.14	2.18	2.24	2.3	2.25	2.30	2.36	2.4	2.36	2.40	2.47	2.6	2.44	2.49	2.57	2.6	2.52	2.57	2.65	2.7
		Amps	7.2	7.3	7.6	7.8	7.7	7.9	8.1	8.4	8.4	8.6	8.8	9.1	8.9	9.1	9.4	9.8	9.5	9.7	10.0	10.4	10.0	10.3	10.6	11.0
		Hi PR	213	229	242	252	239	257	271	283	271	292	308	322	309	333	351	366	348	374	395	412	384	414	437	455
		Lo PR	106	113	123	131	112	119	130	139	117	124	135	144	122	130	142	151	128	137	149	159	133	141	154	164
	1180	MBh	34.7	35.4	37.8	40.5	33.9	34.6	37.0	39.5	33.0	33.8	36.1	38.6	32.2	32.9	**35.2**	37.6	30.6	31.3	33.4	35.7	28.4	29.0	31.0	33.1
		S/T	0.93	0.87	0.71	0.5	0.96	0.90	0.74	0.6	0.99	0.93	0.76	0.6	1.00	0.96	**0.78**	0.6	1.00	0.99	0.81	0.6	1.00	1.00	0.82	0.6
		ΔT	25	24	21	17	25	24	21	17	25	24	21	17	25	25	**21**	17	24	24	21	17	22	23	20	16
		kW	2.03	2.07	2.13	2.2	2.17	2.21	2.27	2.3	2.29	2.33	2.40	2.5	2.39	2.44	**2.51**	2.6	2.48	2.53	2.60	2.7	2.56	2.61	2.69	2.8
		Amps	7.3	7.5	7.7	8.0	7.9	8.0	8.3	8.6	8.5	8.7	9.0	9.3	9.1	9.3	**9.6**	9.9	9.6	9.9	10.2	10.6	10.2	10.4	10.8	11.2
		Hi PR	217	234	247	257	244	262	277	289	277	298	315	328	315	339	**359**	374	355	382	403	421	392	422	446	465
		Lo PR	108	115	126	134	114	122	133	142	119	127	138	147	125	133	**145**	155	131	139	152	162	135	144	157	168
	1350	MBh	35.7	36.5	39.0	41.7	34.9	35.6	38.1	40.7	34.0	34.8	37.2	39.7	33.2	33.9	36.3	38.8	31.5	32.2	34.4	36.8	29.2	29.9	31.9	34.1
		S/T	1.00	0.92	0.75	0.6	1.00	0.95	0.77	0.6	1.00	1.00	0.79	0.6	1.00	1.00	0.82	0.6	1.00	1.00	0.85	0.6	1.00	1.00	0.86	0.6
		ΔT	24	23	20	16	24	23	20	16	23	24	20	16	23	23	20	16	21	22	20	16	20	20	19	15
		kW	2.05	2.08	2.14	2.2	2.18	2.22	2.29	2.4	2.30	2.35	2.42	2.5	2.41	2.46	2.53	2.6	2.50	2.55	2.62	2.7	2.58	2.63	2.71	2.8
		Amps	7.4	7.5	7.8	8.0	7.9	8.1	8.4	8.7	8.6	8.8	9.1	9.4	9.2	9.4	9.7	10.0	9.7	10.0	10.3	10.7	10.3	10.5	10.9	11.3
		Hi PR	219	236	249	260	246	265	280	292	280	301	318	332	319	343	362	378	358	386	407	425	396	426	450	469
		Lo PR	109	116	127	135	116	123	134	143	120	128	140	149	126	134	147	156	132	141	154	164	137	146	159	169
85	1050	MBh	33.5	34.2	35.8	38.2	32.7	33.4	34.9	37.3	31.9	32.6	34.1	36.4	31.2	31.8	33.3	35.5	29.6	30.2	31.6	33.7	27.4	28.0	29.3	31.2
		S/T	0.93	0.90	0.81	0.7	0.97	0.93	0.84	0.7	0.99	0.96	0.87	0.7	1.00	0.99	0.89	0.7	1.00	1.00	0.93	0.8	1.00	1.00	0.93	0.8
		ΔT	27	27	25	22	28	27	26	22	28	27	26	22	27	28	26	23	26	26	26	22	24	24	24	21
		kW	2.02	2.06	2.11	2.2	2.15	2.19	2.25	2.3	2.27	2.31	2.38	2.5	2.37	2.42	2.49	2.6	2.46	2.51	2.58	2.7	2.54	2.59	2.67	2.8
		Amps	7.2	7.4	7.6	7.9	7.8	8.0	8.2	8.5	8.4	8.6	8.9	9.2	9.0	9.2	9.5	9.8	9.6	9.8	10.1	10.5	10.1	10.3	10.7	11.1
		Hi PR	215	231	244	255	241	259	274	286	274	295	312	325	312	336	355	370	351	378	399	416	388	418	441	460
		Lo PR	107	114	125	133	113	121	132	140	118	125	137	146	124	132	144	153	130	138	151	160	134	143	156	166
	1180	MBh	35.3	35.9	37.7	40.2	34.4	35.1	36.8	39.2	33.6	34.3	35.9	38.3	32.8	33.4	35.0	37.4	31.2	31.8	33.3	35.5	28.9	29.4	30.8	32.9
		S/T	0.98	0.94	0.85	0.7	1.00	0.98	0.88	0.7	1.00	1.00	0.90	0.7	1.00	1.00	0.93	0.8	1.00	1.00	0.97	0.8	1.00	1.00	0.98	0.8
		ΔT	27	26	25	22	27	27	25	22	26	27	25	22	26	26	25	22	24	25	25	22	22	23	23	20
		kW	2.05	2.08	2.14	2.2	2.18	2.22	2.29	2.4	2.30	2.35	2.42	2.5	2.41	2.46	2.53	2.6	2.50	2.55	2.62	2.7	2.58	2.63	2.71	2.8
		Amps	7.4	7.5	7.8	8.0	7.9	8.1	8.4	8.7	8.6	8.8	9.1	9.4	9.2	9.4	9.7	10.0	9.7	10.0	10.3	10.7	10.3	10.5	10.9	11.3
		Hi PR	219	236	249	260	246	265	280	292	280	301	318	332	319	343	362	378	358	386	407	425	396	426	450	469
		Lo PR	109	116	127	135	116	123	134	143	120	128	140	149	126	134	147	156	132	141	154	164	137	146	159	169
	1350	MBh	36.3	37.0	38.8	41.4	35.5	36.2	37.9	40.4	34.6	35.3	37.0	39.4	33.8	34.4	36.1	38.5	32.1	32.7	34.3	36.6	29.7	30.3	31.7	33.9
		S/T	1.00	0.99	0.89	0.7	1.00	1.00	0.92	0.8	1.00	1.00	0.95	0.8	1.00	1.00	0.98	0.8	1.00	1.00	1.00	0.8	1.00	1.00	1.00	0.8
		ΔT	25	25	24	20	24	25	24	21	24	24	24	21	23	23	24	21	22	22	23	20	20	21	22	19
		kW	2.06	2.10	2.16	2.2	2.20	2.24	2.30	2.4	2.32	2.36	2.43	2.5	2.43	2.47	2.55	2.6	2.52	2.57	2.64	2.7	2.60	2.65	2.73	2.8
		Amps	7.4	7.6	7.8	8.1	8.0	8.2	8.4	8.7	8.7	8.9	9.1	9.5	9.2	9.5	9.8	10.1	9.8	10.0	10.4	10.8	10.4	10.6	11.0	11.4
		Hi PR	221	238	252	262	248	267	282	294	283	304	321	335	322	346	366	381	362	390	411	429	400	430	455	474
		Lo PR	111	118	128	137	117	124	136	144	121	129	141	150	127	136	148	158	134	142	155	165	138	147	161	171

IDB*: Entering Indoor Dry Bulb Temperature

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

kW = Total system power

Amps = outdoor unit amps

AVZC200241A* / CA*F3642*6D* + MBVC1200-1A*+TXV**

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	29.7	28.1	26.4	24.7	23.6	22.9	21.2	21.3	18.9	17.5	16.4	15.2	14.0	12.7	11.4	10.3	8.9	7.1
T/R	38.1	36.1	34.0	31.8	30.3	29.4	27.3	27.4	24.4	22.5	21.1	19.5	18.0	16.3	14.7	13.2	11.4	9.1
kW	2.03	1.96	1.97	1.92	1.87	1.86	1.79	2.01	1.91	1.86	1.85	1.82	1.74	1.65	1.60	1.56	1.51	1.39
Amps	8.5	8.1	8.2	8.0	7.7	7.7	7.4	8.4	7.9	7.7	7.7	7.5	7.2	6.8	6.6	6.4	6.2	5.7
COP	4.28	4.20	3.94	3.78	3.70	3.61	3.48	3.10	2.90	2.75	2.60	2.45	2.36	2.25	2.09	1.93	1.72	1.50
HI PR	486	467	452	439	427	421	410	323	312	304	296	292	288	281	274	268	262	256
LO PR	150	138	127	118	109	108	99	91	83	75	68	61	61	54	48	42	36	31

AVZC200361A* / CA*F3743*6D* + MBVC1600-1A*+TXV**

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	44.0	41.7	39.2	36.6	35.0	33.9	31.5	29.1	35.9	33.1	30.5	28.8	27.7	24.9	22.1	19.2	16.4	13.4
T/R	35.0	33.2	31.2	29.2	27.9	27.0	25.1	23.1	28.6	26.4	24.3	22.9	22.1	19.8	17.6	15.3	13.1	10.7
kW	2.66	2.61	2.56	2.51	2.48	2.46	2.41	2.36	3.97	3.87	3.77	3.72	3.68	3.58	3.48	3.39	3.29	3.19
Amps	10.8	10.5	10.3	10.1	10.0	9.9	9.7	9.4	16.4	16.0	15.6	15.3	15.2	14.7	14.3	13.9	13.5	13.1
COP	4.84	4.67	4.49	4.28	4.14	4.04	3.83	3.61	2.65	2.51	2.37	2.27	2.21	2.04	1.86	1.67	1.46	1.24
HI PR	389	373	358	343	335	328	316	303	290	277	266	260	255	245	236	226	218	210
LO PR	146	136	127	117	110	106	98	87	78	70	62	57	55	47	40	34	30	23

AVZC200481A* / CA*F4961*6D* + MBVC2000-1A*+TXV**

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	57.2	54.1	51.0	47.6	45.5	44.1	41.0	45.5	42.4	39.1	36.0	34.0	32.7	29.4	26.0	22.7	19.4	15.9
T/R	36.8	34.8	32.8	30.6	29.3	28.3	26.3	29.3	27.2	25.1	23.2	21.9	21.1	18.9	16.7	14.6	12.5	10.2
kW	3.71	3.63	3.55	3.47	3.42	3.38	3.31	3.22	4.46	4.34	4.22	4.15	4.11	3.99	3.87	3.75	3.63	3.52
Amps	15.0	14.6	14.3	13.9	13.7	13.6	13.2	12.9	18.2	17.7	17.2	16.9	16.7	16.2	15.7	15.2	14.6	14.1
COP	4.52	4.37	4.21	4.03	3.90	3.82	3.63	4.14	2.79	2.64	2.50	2.40	2.34	2.16	1.97	1.77	1.56	1.32
HI PR	388	372	357	342	334	327	315	302	289	276	265	259	254	245	235	226	218	210
LO PR	143	133	125	114	108	104	96	85	77	69	60	56	54	46	39	33	29	23

AVZC200601A* / CA*F4961*6D* + MBVC2000-1A*+TXV**

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	62.9	59.5	56.0	52.4	50.0	48.5	45.0	45.5	42.4	39.1	36.0	34.0	32.7	29.4	26.0	22.7	19.4	15.9
T/R	35.1	33.2	31.2	29.2	27.9	27.0	25.1	25.4	23.6	21.8	20.1	19.0	18.3	16.4	14.5	12.7	10.8	8.9
kW	4.01	3.94	3.87	3.80	3.76	3.73	3.66	3.59	4.31	4.21	4.12	4.07	4.03	3.94	3.85	3.76	3.66	3.57
Amps	15.6	15.3	15.0	14.7	14.6	14.4	14.1	13.8	16.9	16.5	16.1	15.9	15.7	15.3	14.9	14.6	14.1	13.8
COP	4.59	4.43	4.24	4.04	3.90	3.81	3.60	3.71	2.88	2.72	2.56	2.45	2.38	2.19	1.98	1.77	1.55	1.30
HI PR	381	365	351	336	328	322	309	297	284	272	261	255	250	240	231	222	214	206
LO PR	141	130	122	112	106	102	94	84	75	67	59	55	53	45	39	33	29	22

High pressure is measured at the suction service valve (the larger valve).

Amps = Outdoor unit amps (comp.+fan)

kW = Total system power

Low pressure is measured at the gauge port connection.

Calculations are based on 70 °F indoor dry bulb.

Shaded area is AHRI Rating Conditions at 47°F outdoor ambient temperature.

AVZC200241A* / CA*F3642*6D* + MBVC1200-1A*+TXV**

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	17.2	16.2	15.3	14.3	13.7	13.2	12.3	11.3	10.9	10.1	9.3	8.8	8.4	7.6	6.7	5.9	5.0	4.1
T/R	30.6	28.9	27.2	25.5	24.3	23.6	21.9	19.8	19.1	17.6	16.2	15.3	14.8	13.2	11.7	10.2	8.7	7.2
kW	1.21	1.19	1.16	1.14	1.13	1.12	1.10	1.07	1.03	1.01	0.99	0.97	0.97	0.94	0.92	0.90	0.87	0.85
Amps	5.1	5.0	4.9	4.8	4.7	4.7	4.6	4.5	4.3	4.2	4.1	4.0	4.0	3.9	3.8	3.7	3.6	3.5
COP	4.16	4.01	3.85	3.67	3.55	3.47	3.29	3.10	3.10	2.93	2.76	2.64	2.57	2.36	2.14	1.91	1.68	1.41
HI PR	451	432	416	397	388	381	366	351	336	321	309	301	296	284	274	262	253	244
LO PR	161	149	140	128	121	116	107	95	86	77	68	63	61	51	44	37	33	26

AVZC200361A* / CA*F3743*6D* + MBVC1600-1A*+TXV**

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	31.7	30.0	28.3	26.4	25.2	24.5	22.7	21.0	22.9	21.1	19.5	18.4	17.7	15.9	14.1	12.3	10.5	8.6
T/R	35.8	33.9	31.9	29.9	28.5	27.6	25.7	22.1	24.1	22.2	20.5	19.3	18.6	16.7	14.8	12.9	11.0	9.0
kW	1.53	1.50	1.47	1.45	1.43	1.42	1.40	1.37	2.01	1.97	1.92	1.90	1.88	1.84	1.79	1.75	1.70	1.66
Amps	6.3	6.2	6.1	6.0	5.9	5.9	5.8	5.6	8.3	8.1	8.0	7.8	7.8	7.6	7.4	7.2	7.0	6.8
COP	6.10	5.87	5.62	5.35	5.16	5.04	4.77	4.48	3.34	3.15	2.97	2.84	2.76	2.54	2.30	2.06	1.80	1.52
HI PR	377	361	347	332	324	318	306	293	281	268	258	252	247	238	229	219	211	204
LO PR	144	133	125	115	108	104	96	85	77	69	60	56	54	46	40	33	29	23

AVZC200481A* / CA*F4961*6D* + MBVC2000-1A*+TXV**

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	41.3	39.1	36.8	34.4	32.8	31.8	29.5	27.2	27.0	25.0	23.0	21.7	20.9	18.8	16.6	14.5	12.4	10.1
T/R	43.4	41.1	38.7	36.2	34.5	33.5	31.1	25.9	25.7	23.7	21.8	20.6	19.9	17.8	15.8	13.8	11.8	9.6
kW	2.14	2.10	2.05	2.00	1.98	1.96	1.91	1.86	2.27	2.21	2.16	2.12	2.10	2.04	1.98	1.92	1.86	1.80
Amps	8.8	8.6	8.4	8.2	8.1	8.0	7.8	7.5	9.3	9.0	8.8	8.6	8.5	8.3	8.0	7.8	7.5	7.2
COP	5.64	5.46	5.26	5.03	4.87	4.77	4.53	4.28	3.49	3.30	3.13	3.00	2.92	2.70	2.46	2.21	1.95	1.65
HI PR	376	360	346	331	323	317	305	293	280	268	257	251	246	237	228	219	211	203
LO PR	141	131	123	112	106	102	94	84	76	67	59	55	53	45	39	33	29	22

AVZC200601A* / CA*F4961*6D* + MBVC2000-1A*+TXV**

	Outdoor Ambient Temperature																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	45.3	42.9	40.4	37.8	36.1	35.0	32.5	29.9	27.0	25.0	23.0	21.7	20.9	18.8	16.6	14.5	12.4	10.1
T/R	36.6	34.7	32.6	30.5	29.1	28.2	26.2	23.3	21.0	19.4	17.9	16.9	16.3	14.6	12.9	11.3	9.6	7.9
kW	2.29	2.26	2.22	2.19	2.17	2.16	2.13	2.09	2.17	2.13	2.10	2.08	2.06	2.03	1.99	1.96	1.92	1.88
Amps	9.3	9.2	9.0	8.9	8.8	8.8	8.6	8.4	8.7	8.6	8.4	8.3	8.2	8.1	7.9	7.8	7.6	7.5
COP	5.81	5.58	5.33	5.05	4.87	4.75	4.48	4.19	3.65	3.43	3.21	3.06	2.97	2.71	2.45	2.17	1.89	1.58
HI PR	369	354	340	325	318	312	300	288	276	263	253	247	242	233	224	215	207	200
LO PR	141	131	123	112	106	102	94	84	76	67	59	55	53	45	39	33	29	22

High pressure is measured at the suction service valve (the larger valve). Low pressure is measured at the gauge port connection.

Amps = Outdoor unit amps (comp.+fan) kW = Total system power Calculations are based on 70 °F indoor dry bulb.

AVZC200241A* / CA*F3642*6D* + MBVC1200**-1A* + TXV Design Subcooling @ AHRI 95 °F Conditions, 7-9 °F at 100% Demand				
Outdoor Temp °F	Total BTU/h	Sensible BTU/h	Latent BTU/h	Total Watts
75°	25,900	18,500	7,400	1,400
80°	25,400	18,300	7,200	1,500
85°	25,000	18,000	6,900	1,600
90°	24,500	17,800	6,700	1,700
95°	**24,000**	**17,600**	**6,400**	**1,800**
100°	23,500	17,300	6,100	1,800
105°	22,900	17,100	5,800	1,900
110°	22,400	16,800	5,600	2,000
115°	21,700	16,500	5,200	2,100
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	**22,400**	**17,000**	**5,400**	**1,700**

AVZC200241A* / CA*F3642*6D* + MBVC1200**-1A* + TXV Design Subcooling @ AHRI 95 °F Conditions, 7-9 °F at 70% Demand				
Outdoor Temp °F	Total BTU/h	Sensible BTU/h	Latent BTU/h	Total Watts
75°	16,200	11,700	4,500	1,000
80°	16,000	11,600	4,400	1,000
85°	15,800	11,500	4,300	1,100
90°	15,600	11,600	4,000	1,100
95°	**15,400**	**11,700**	**3,700**	**1,100**
100°	15,000	11,600	3,400	1,100
105°	14,600	11,500	3,100	1,200
110°	14,100	11,100	3,000	1,200
115°	13,600	10,700	2,900	1,200
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	**14,300**	**11,600**	**2,700**	**1,000**

AVZC200361A* / CA*F3743*6D* + MBVC1600**-1A* + TXV Design Subcooling @ AHRI 95 °F Conditions, 7-9 °F at 100% Demand				
Outdoor Temp °F	Total BTU/h	Sensible BTU/h	Latent BTU/h	Total Watts
75°	39,300	28,400	10,900	2,000
80°	38,700	28,100	10,600	2,200
85°	38,000	27,800	10,200	2,300
90°	37,200	27,500	9,800	2,400
95°	**36,400**	**27,100**	**9,400**	**2,600**
100°	35,500	26,600	8,800	2,700
105°	34,400	26,100	8,300	2,800
110°	33,300	25,600	7,700	3,000
115°	32,100	25,100	7,100	3,100
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	**34,000**	**26,200**	**7,900**	**2,500**

AVZC200361A* / CA*F3743*6D* + MBVC1600**-1A* + TXV Design Subcooling @ AHRI 95 °F Conditions, 7-9 °F at 70% Demand				
Outdoor Temp °F	Total BTU/h	Sensible BTU/h	Latent BTU/h	Total Watts
75°	26,500	19,600	6,900	1,500
80°	26,200	19,600	6,500	1,600
85°	25,800	19,600	6,200	1,600
90°	25,500	19,600	5,900	1,600
95°	**25,100**	**19,600**	**5,500**	**1,700**
100°	24,500	19,500	5,000	1,700
105°	23,900	19,400	4,500	1,800
110°	23,100	18,800	4,300	1,800
115°	22,200	18,200	4,000	1,800
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	**23,400**	**19,900**	**3,500**	**1,600**

AVZC200481A* / CA*F4961*6D* + MBVC2000**-1A* + TXV Design Subcooling @ AHRI 95 °F Conditions, 7-9 °F at 100% Demand				
Outdoor Temp °F	Total BTU/h	Sensible BTU/h	Latent BTU/h	Total Watts
75°	52,500	37,900	14,600	2,900
80°	51,300	37,300	13,900	3,100
85°	50,000	36,800	13,300	3,200
90°	48,700	36,100	12,600	3,400
95°	**47,300**	**35,500**	**11,800**	**3,600**
100°	45,900	34,800	11,100	3,800
105°	44,400	34,100	10,300	3,900
110°	42,900	33,400	9,500	4,100
115°	41,400	32,700	8,700	4,300
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	**44,300**	**34,300**	**10,000**	**3,500**

AVZC200481A* / CA*F4961*6D* + MBVC2000**-1A* + TXV Design Subcooling @ AHRI 95 °F Conditions, 7-9 °F at 70% Demand				
Outdoor Temp °F	Total BTU/h	Sensible BTU/h	Latent BTU/h	Total Watts
75°	33,700	24,300	9,400	2,100
80°	33,300	24,300	9,000	2,100
85°	32,900	24,300	8,600	2,200
90°	32,500	24,400	8,100	2,300
95°	**32,100**	**24,400**	**7,700**	**2,300**
100°	31,300	24,200	7,100	2,400
105°	30,500	24,100	6,400	2,400
110°	29,400	23,300	6,000	2,400
115°	28,200	22,600	5,600	2,500
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	**29,700**	**24,400**	**5,300**	**2,200**

AVZC200601A* / CA*F4961*6D* + MBVC2000**-1A* + TXV Design Subcooling @ AHRI 95 °F Conditions, 7-9 °F at 100% Demand				
Outdoor Temp °F	Total BTU/h	Sensible BTU/h	Latent BTU/h	Total Watts
75°	58,800	42,000	16,700	3,300
80°	57,500	41,300	16,100	3,500
85°	56,100	40,600	15,500	3,700
90°	54,700	39,900	14,800	3,900
95°	**53,300**	**39,200**	**14,100**	**4,100**
100°	51,800	38,400	13,400	4,400
105°	50,200	37,600	12,500	4,600
110°	44,500	34,700	9,800	4,400
115°	34,100	29,000	5,100	2,800
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	**49,700**	**37,700**	**12,000**	**4,100**

AVZC200601A* / CA*F4961*6D* + MBVC2000**-1A* + TXV Design Subcooling @ AHRI 95 °F Conditions, 7-9 °F at 70% Demand				
Outdoor Temp °F	Total BTU/h	Sensible BTU/h	Latent BTU/h	Total Watts
75°	37,000	27,400	9,600	2,270
80°	36,600	27,400	9,100	2,400
85°	36,100	27,400	8,700	2,400
90°	35,700	27,400	8,200	2,500
95°	**35,200**	**27,500**	**7,700**	**2,500**
100°	34,300	27,300	7,000	2,600
105°	33,400	27,100	6,300	2,600
110°	32,200	26,200	6,000	2,600
115°	31,000	25,400	5,600	2,700
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	**32,600**	**27,100**	**5,500**	**2,400**

AVZC200241A* / CA*F3642*6D* + MBVC1200**-1A* + TXV Design Subcooling @ AHRI 95 °F Conditions, 7-9 °F in Boost Mode				
Outdoor Temp °F	Total BTU/h	Sensible BTU/h	Latent BTU/h	Total Watts
75°	27,200	19,700	7,400	1,800
80°	26,700	19,500	7,100	1,900
85°	26,100	19,300	6,900	1,900
90°	25,600	19,000	6,600	2,000
95°	**25,000**	**18,700**	**6,300**	**2,100**
100°	24,400	18,500	6,000	2,200
105°	23,900	18,200	5,700	2,300
110°	21,500	17,200	4,300	2,300
115°	21,700	16,500	5,200	2,100
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	**23,400**	**18,100**	**5,300**	**2,100**

AVZC200361A* / CA*F3743*6D* + MBVC1600**-1A* + TXV Design Subcooling @ AHRI 95 °F Conditions, 7-9 °F in Boost Mode				
Outdoor Temp °F	Total BTU/h	Sensible BTU/h	Latent BTU/h	Total Watts
75°	40,100	29,400	10,700	2,100
80°	39,400	29,100	10,300	2,300
85°	38,700	28,800	9,900	2,400
90°	37,900	28,400	9,500	2,500
95°	**37,000**	**28,000**	**9,000**	**2,700**
100°	36,000	27,500	8,500	2,800
105°	34,800	27,000	7,900	3,000
110°	33,700	26,400	7,300	3,100
115°	32,100	25,100	7,100	3,100
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	**34,600**	**27,000**	**7,600**	**2,700**

AVZC200481A* / CA*F4961*6D* + MBVC2000**-1A* + TXV Design Subcooling @ AHRI 95 °F Conditions, 7-9 °F in Boost Mode				
Outdoor Temp °F	Total BTU/h	Sensible BTU/h	Latent BTU/h	Total Watts
75°	54,600	38,900	15,700	3,400
80°	53,300	38,300	15,000	3,600
85°	51,900	37,600	14,300	3,800
90°	50,500	37,000	13,500	4,000
95°	**49,000**	**36,300**	**12,700**	**4,200**
100°	47,600	35,600	11,900	4,400
105°	46,100	34,900	11,100	4,600
110°	44,500	34,200	10,300	4,800
115°	41,400	32,700	8,700	4,300
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	**46,000**	**35,200**	**10,800**	**4,100**

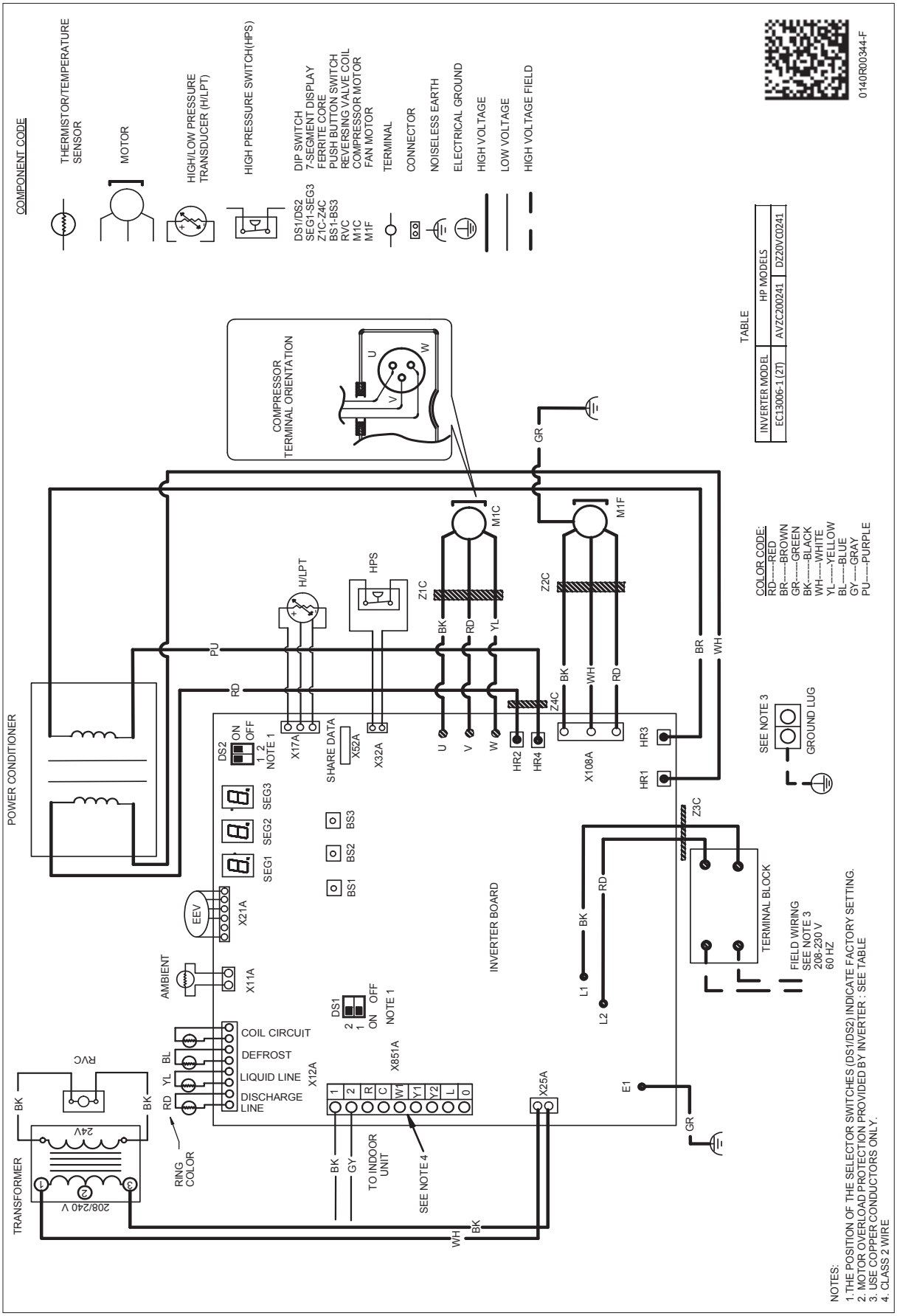
AVZC200601A* / CA*F4961*6D* + MBVC2000**-1A* + TXV Design Subcooling @ AHRI 95 °F Conditions, 7-9 °F in Boost Mode				
Outdoor Temp °F	Total BTU/h	Sensible BTU/h	Latent BTU/h	Total Watts
75°	64,400	45,000	19,300	4,000
80°	62,800	44,200	18,600	4,200
85°	61,300	43,400	17,800	4,500
90°	59,600	42,600	17,000	4,700
95°	**58,000**	**41,800**	**16,200**	**4,900**
100°	56,300	40,900	15,400	5,200
105°	54,000	39,800	14,200	5,400
110°	44,500	34,700	9,800	4,400
115°	34,100	29,000	5,100	2,800
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	**54,200**	**40,400**	**13,800**	**4,900**

COOLING MODE

Tonnage	Speed	Total Unit Sound Rating (dBA)	Octave Band Spectrum Frequency (Hz) Analysis (dB)						
			125	250	500	1000	2000	4000	8000
2-ton	Minimum	58.4	37.1	49.9	52.6	54.4	49.4	42.6	34.7
	Intermediate	60.9	38.6	50.9	56.7	56.2	51.2	45.1	36.6
	Maximum	67.7	45.6	53.6	62.5	62.2	62.0	57.5	50.9
3-ton	Minimum	56	45.9	47.2	51.0	50.5	47.9	37.1	31.3
	Intermediate	63.5	43.7	49.5	56.9	59.4	58.1	51.8	45.6
	Maximum	74.2	57.5	61.4	68.2	69.4	68.4	63.4	52.3
4-ton	Minimum	56	45.9	47.2	51.0	50.5	47.9	37.1	31.3
	Intermediate	63.5	43.7	49.5	56.9	59.4	58.1	51.8	45.6
	Maximum	74.2	57.5	61.4	68.2	69.4	68.4	63.4	52.3
5-ton	Minimum	56.1	42.7	46.6	50.3	51.5	48.2	42.7	40.5
	Intermediate	61.1	38.2	45.2	55.3	56.5	55.7	48.1	43.1
	Maximum	73.9	53.0	59.3	68.8	69.1	68.2	61.2	52.4

HEATING MODE

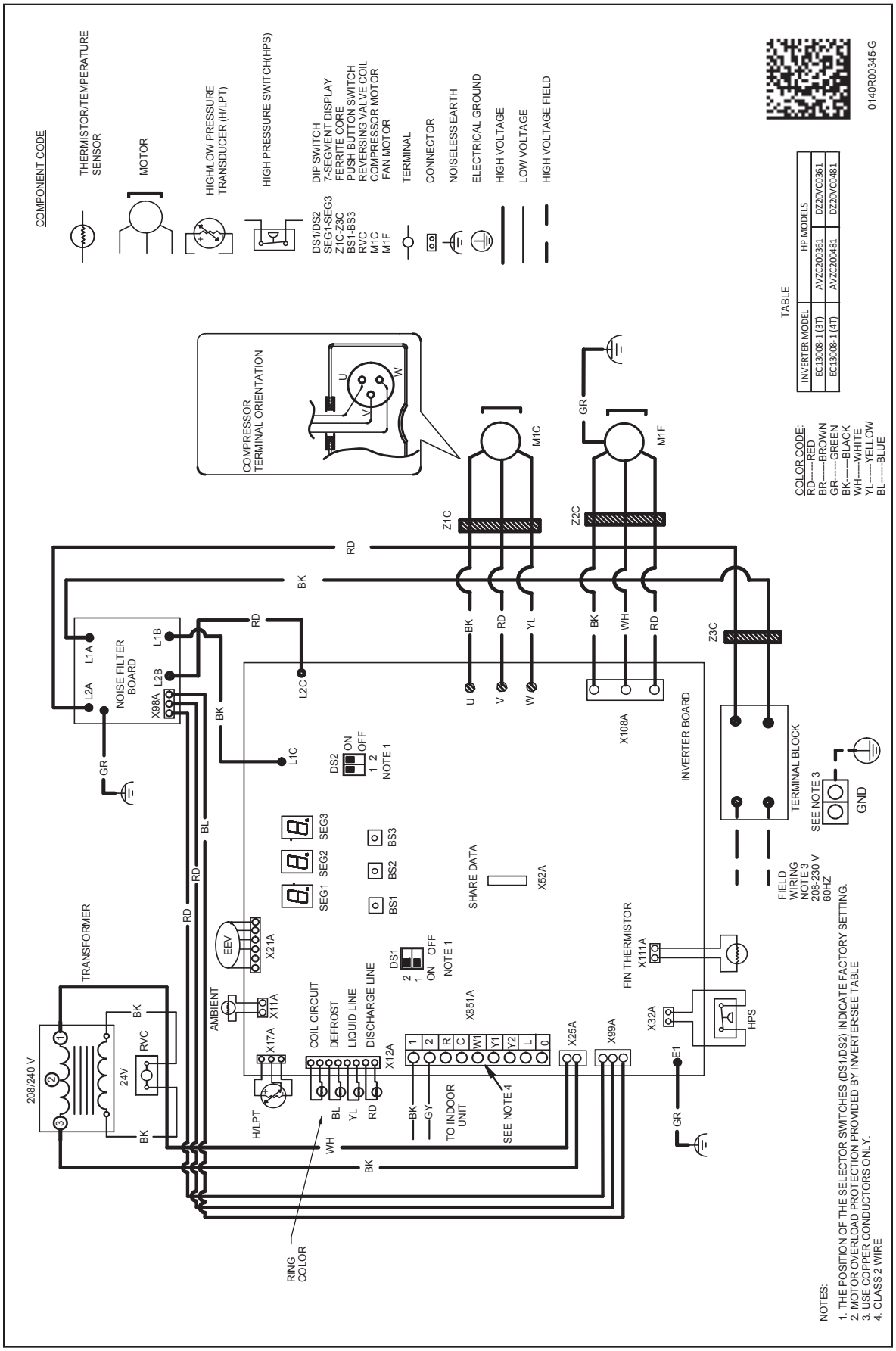
Tonnage	Speed	Total Unit Sound Rating (dBA)	Octave Band Spectrum Frequency (Hz) Analysis (dB)						
			125	250	500	1000	2000	4000	8000
2-ton	Minimum	65	44.6	55.8	60.1	60.0	57.8	49.9	43.4
	Intermediate	65.3	44.3	54.3	60.8	60.5	58.3	50.3	41.1
	Maximum	76.3	54.1	67.2	73.7	68.5	66.5	62.2	51.2
3-ton	Minimum	69.4	49.7	63.3	62.5	63.0	62.9	53.2	47.5
	Intermediate	73.8	60.1	68.5	67.6	66.8	65.2	58.7	50.9
	Maximum	78.4	62.0	69.2	72.2	74.0	71.5	66.9	55.9
4-ton	Minimum	69.4	49.7	63.3	62.5	63.0	62.9	53.2	47.5
	Intermediate	73.8	60.1	68.5	67.6	66.8	65.2	58.7	50.9
	Maximum	78.4	62.0	69.2	72.2	74.0	71.5	66.9	55.9
5-ton	Minimum	59.4	49.8	54.6	54.8	53.1	49.8	38.2	28.9
	Intermediate	73.5	58.9	65.2	69.8	66.6	65.0	56.8	48.2
	Maximum	78.5	60.3	67.3	74.8	73.0	70.9	66.6	54.7



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.

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



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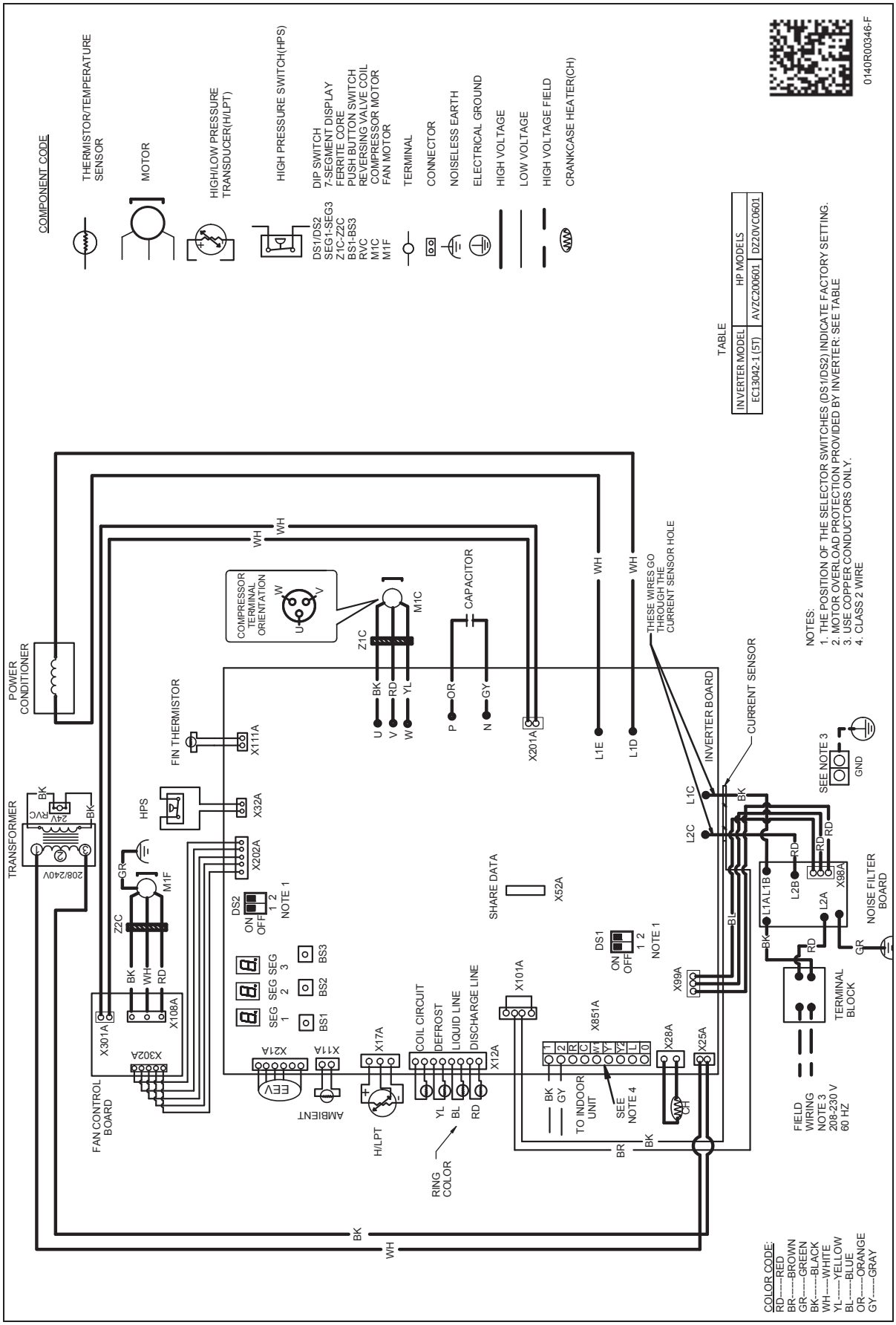

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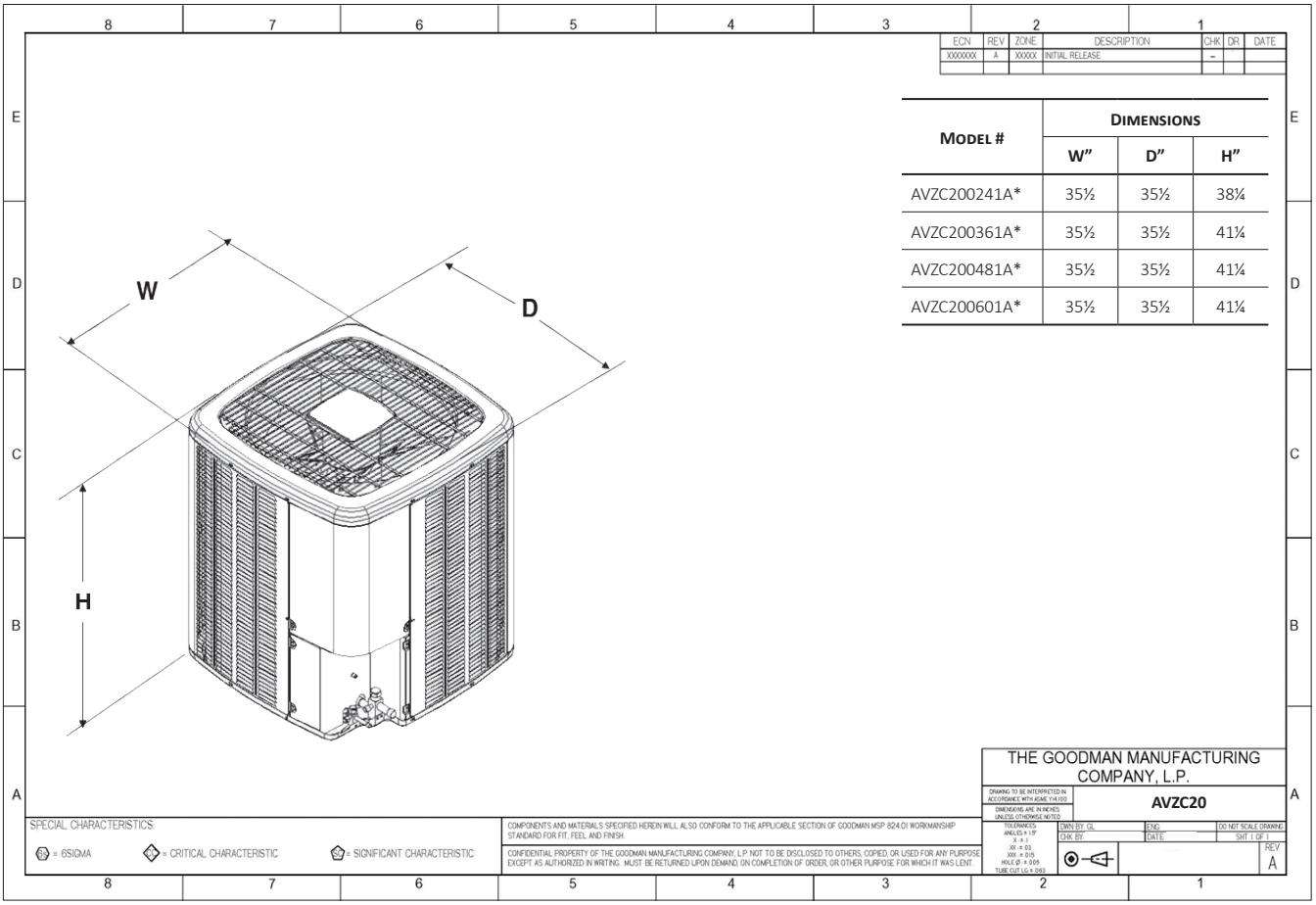

Model #	Dimensions		
	W”	D”	H”
AVZC200241A*	35½	35½	38¼
AVZC200361A*	35½	35½	41¼
AVZC200481A*	35½	35½	41¼
AVZC200601A*	35½	35½	41¼

Accessories

Model	Description	AVZC20 0241A*	AVZC20 0361A*	AVZC20 0481A*	AVZC20 0601A*
ABK-20	Anchor Bracket Kit ◊	X	X	X	X
TXV-V24	TXV Kit	X			
TXV-V36	TXV Kit		X		
TXV-V48	TXV Kit			X	
TXV-V60	TXV Kit				X

◊ Contains 20 brackets; four brackets needed to anchor unit to pad

All AHRI system ratings are accessible in the System Configurator tool via PartnerLink.

The manufacturing entity reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.