

COOLING CAPACITY : 21,800 – 53,000 BTU/H

HIGH-EFFICIENCY,  
 VARIABLE-SPEED, INVERTER DRIVE  
 SPLIT SYSTEM AIR CONDITIONER



### Contents

Nomenclature.....	2
Product Specifications.....	3
Expanded Cooling Data .....	4
Performance Data	
Standard Mode .....	12
Boost Mode .....	13
Sound Power Levels .....	14
Wiring Diagrams .....	15
Dimensions .....	18
Accessories .....	18

### Standard Features

- Variable-speed swing and scroll compressors
- High-density compressor sound blanket
- Integrated communicating ComfortBridge™ Technology
- Commissioning and diagnostics via indoor board Bluetooth with the CoolCloud™ phone and tablet application
- Variable-speed DC outdoor fan motor
- 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
- Field-installed bi-flow filter drier
- Coil and ambient temperature sensors
- AHRI Certified; ETL Listed

### Cabinet Features

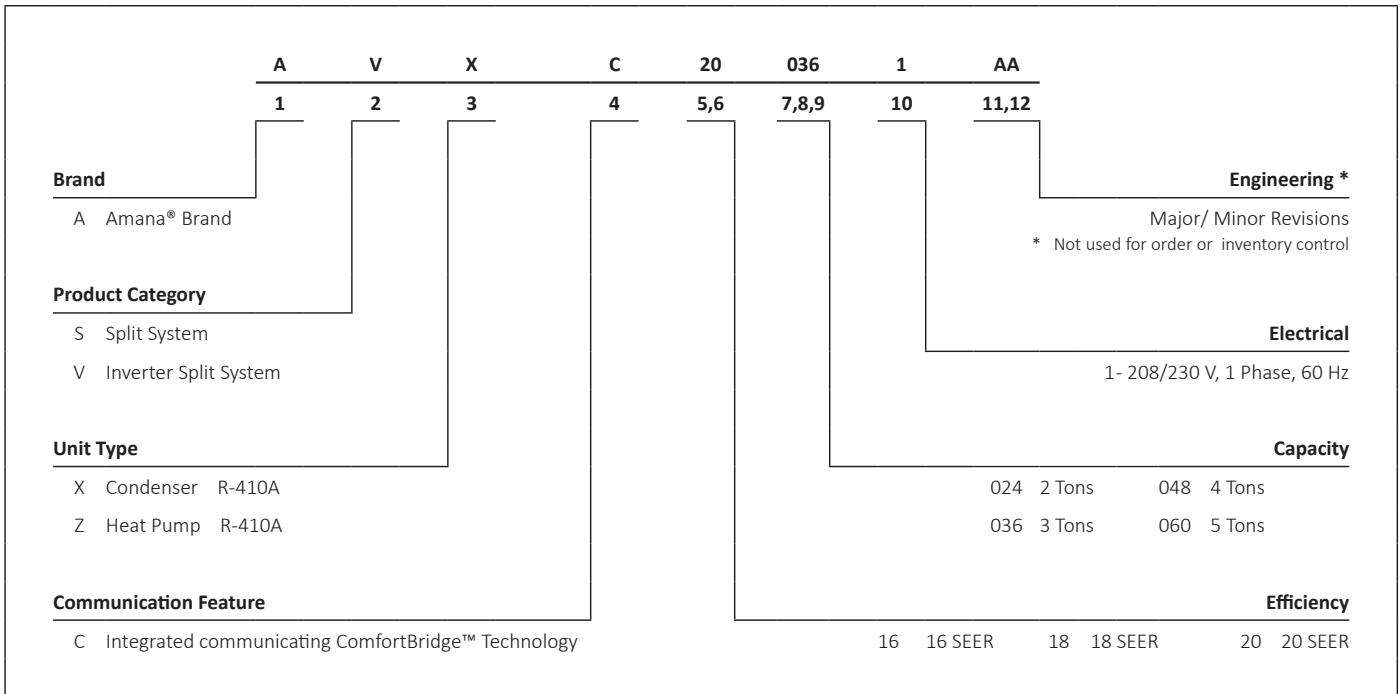
- Heavy-gauge, galvanized-steel cabinet with grille-style sound control top
- Baked-on powder-paint finish
- 500-hour salt-spray tested
- Wire fan discharge grille
- Steel louver coil guard
- Top and side maintenance access
- Sweat connection service valves with easy access to gauge ports
- Single-panel 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.)







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



\* Complete warranty details available from your local dealer or at [www.amana-hac.com](http://www.amana-hac.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.



	AVXC20 0241A*	AVXC20 0361A*	AVXC20 0481A*	AVXC20 0601A*
<b>CAPACITY AND RATINGS</b>				
Max. Cooling (BTU/h)	24,200	34,600	45,500	53,000
<b>COMPRESSOR</b>				
Type	Swing	Swing	Swing	Scroll
RLA	12.7	18.1	27.6	28.6
<b>CONDENSER FAN MOTOR</b>				
Horsepower (HP)	½ HP	½ HP	½ HP	½ HP
FLA	2.5	2.5	2.5	2.5
<b>REFRIGERATION SYSTEM</b>				
Refrigerant Line Size <sup>1</sup>				
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	Front-Seated	Front-Seated	Ball Valve	Ball Valve
Refrigerant Charge	152	154	246	246
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
<b>ELECTRICAL DATA</b>				
Voltage/Phase (60 Hz)	208-230/1	208-230/1	208-230/1	208-230/1
Minimum Circuit Ampacity <sup>2</sup>	15.2	20.6	30.1	31.1
Max. Overcurrent Protection <sup>3</sup>	20	25	35	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"
<b>EQUIPMENT WEIGHT (LBS)</b>	210	221	321	321
<b>SHIP WEIGHT (LBS)</b>	241	253	353	353
<b>ENERGY STAR® CERTIFIED <sup>^</sup></b>				

**^ ENERGY STAR NOTES**

- Products that are recognized as the Most Efficient of ENERGY STAR® in 2020 prevent greenhouse gas emissions by meeting rigorous energy efficiency performance levels set by the U.S. Environmental Protection Agency.
- Proper sizing and installation of equipment is critical to achieving optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet ENERGY STAR® criteria. Ask your contractor for details or visit [www.energystar.gov](http://www.energystar.gov).
- The [www.energystar.gov](http://www.energystar.gov) website provides up-to-date system combinations certified to meet ENERGY STAR® requirements.

<sup>1</sup> Tested and rated in accordance with AHRI Standard 210/240

<sup>2</sup> Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes.

<sup>3</sup> 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.

IDB	OUTDOOR AMBIENT TEMPERATURE																													
	65°F					75°F					85°F					95°F					105°F					115°F				
	59	63	67	71		59	63	67	71		59	63	67	71		59	63	67	71		59	63	67	71		59	63	67	71	
620	MBh	23.5	23.8	24.6	-	23.3	23.6	24.3	-	22.7	23.0	23.7	-	21.6	22.0	22.7	-	20.3	20.7	21.4	-	19.1	19.5	20.2	-	19.1	19.5	20.2	-	
	S/T	0.56	0.48	0.34	-	0.56	0.49	0.35	-	0.59	0.51	0.38	-	0.61	0.53	0.40	-	1.00	0.55	0.42	-	1.00	0.61	0.47	-	1.00	0.61	0.47	-	
	ΔT	20	18	15	-	20	18	15	-	20	18	15	-	20	18	15	-	19	18	14	-	20	19	15	-	20	19	15	-	
	KW	1.09	1.09	1.09	-	1.24	1.24	1.23	-	1.40	1.40	1.40	-	1.58	1.58	1.58	-	1.78	1.78	1.78	-	2.02	2.02	2.02	-	2.02	2.02	2.02	-	
	Amps	5.4	5.3	5.3	-	6.0	6.0	6.0	-	6.7	6.7	6.7	-	7.5	7.5	7.5	-	8.4	8.4	8.4	-	9.4	9.4	9.4	-	9.4	9.4	9.4	-	
	Hi PR	235	236	237	-	272	273	275	-	311	312	314	-	353	354	356	-	398	399	401	-	447	448	449	-	447	448	449	-	
Lo PR	120	122	125	-	128	129	132	-	134	136	139	-	140	141	144	-	145	147	150	-	152	153	156	-	152	153	156	-		
70	MBh	23.7	24.0	24.8	-	23.5	23.8	24.5	-	22.9	23.2	23.9	-	21.8	22.2	22.9	-	20.5	20.9	21.6	-	19.3	19.7	20.4	-	19.3	19.7	20.4	-	
	S/T	0.62	0.54	0.41	-	0.62	0.55	0.41	-	0.65	0.57	0.44	-	0.67	0.59	0.46	-	1.00	0.61	0.48	-	1.00	0.67	0.53	-	1.00	0.67	0.53	-	
	ΔT	19	17	14	-	19	17	14	-	19	17	14	-	19	17	14	-	18	17	13	-	20	18	15	-	20	18	15	-	
	KW	1.10	1.09	1.09	-	1.24	1.24	1.24	-	1.41	1.41	1.41	-	1.59	1.59	1.59	-	1.79	1.79	1.79	-	2.03	2.03	2.02	-	2.03	2.03	2.02	-	
	Amps	5.4	5.4	5.4	-	6.0	6.0	6.0	-	6.8	6.7	6.7	-	7.5	7.5	7.5	-	8.4	8.4	8.4	-	9.4	9.4	9.4	-	9.4	9.4	9.4	-	
	Hi PR	236	237	239	-	274	275	276	-	313	314	315	-	355	356	357	-	400	401	403	-	448	449	451	-	448	449	451	-	
Lo PR	122	123	126	-	129	131	134	-	135	137	140	-	141	142	146	-	146	148	151	-	153	155	158	-	153	155	158	-		
760	MBh	23.9	24.3	25.0	-	23.7	24.1	24.8	-	23.1	23.4	24.1	-	22.0	22.4	23.1	-	20.7	21.1	21.8	-	19.6	19.9	20.6	-	19.6	19.9	20.6	-	
	S/T	0.66	0.59	0.45	-	0.67	0.59	0.46	-	0.69	0.62	0.48	-	0.71	0.64	0.50	-	1.00	0.66	0.52	-	1.00	0.71	0.57	-	1.00	0.71	0.57	-	
	ΔT	18	16	13	-	18	16	13	-	18	16	13	-	18	16	13	-	18	16	13	-	19	17	14	-	19	17	14	-	
	KW	1.10	1.10	1.10	-	1.25	1.25	1.25	-	1.42	1.41	1.41	-	1.60	1.59	1.59	-	1.80	1.80	1.79	-	2.03	2.03	2.03	-	2.03	2.03	2.03	-	
	Amps	5.4	5.4	5.4	-	6.1	6.0	6.0	-	6.8	6.8	6.8	-	7.6	7.6	7.5	-	8.4	8.4	8.4	-	9.5	9.4	9.4	-	9.5	9.4	9.4	-	
	Hi PR	238	239	240	-	275	276	278	-	314	315	317	-	356	357	359	-	401	402	404	-	450	451	452	-	450	451	452	-	
Lo PR	123	124	128	-	130	132	135	-	137	138	141	-	142	144	147	-	148	149	152	-	154	156	159	-	154	156	159	-		
620	MBh	23.5	23.9	24.6	25.7	23.3	23.7	24.4	25.4	22.7	23.0	23.7	24.8	21.6	22.0	22.7	23.8	20.3	20.7	21.4	22.5	19.1	19.5	20.2	21.3					
	S/T	0.69	0.61	0.47	0.33	0.69	0.62	0.48	0.34	1.00	0.64	0.51	0.36	1.00	0.66	0.53	0.38	1.00	0.68	0.55	0.40	1.00	0.74	0.60	0.46					
	ΔT	24	22	18	15	23	22	18	15	24	22	19	15	23	22	18	15	23	21	18	15	24	23	19	16					
	KW	1.09	1.09	1.08	1.10	1.24	1.24	1.23	1.24	1.40	1.40	1.40	1.41	1.58	1.58	1.58	1.59	1.78	1.78	1.78	1.79	2.02	2.02	2.01	2.03					
	Amps	5.3	5.3	5.3	5.4	6.0	6.0	6.0	6.0	6.7	6.7	6.7	6.8	7.5	7.5	7.5	7.5	8.4	8.4	8.4	8.4	9.4	9.4	9.4	9.4					
	Hi PR	235	236	238	242	272	273	275	279	311	312	314	318	353	354	356	360	399	400	401	405	447	448	450	454					
Lo PR	120	122	125	130	128	129	132	138	134	136	139	144	140	141	144	150	145	147	150	155	152	153	156	162						
690	MBh	23.7	24.1	24.8	25.8	23.5	23.8	24.6	25.6	22.9	23.2	23.9	25.0	21.8	22.2	22.9	24.0	20.5	20.9	21.6	22.7	19.3	19.7	20.4	21.5					
	S/T	0.75	0.67	0.53	0.39	0.75	0.68	0.54	0.40	1.00	0.70	0.57	0.42	1.00	0.72	0.59	0.44	1.00	0.74	0.61	0.46	1.00	0.80	0.66	0.52					
	ΔT	23	21	18	14	23	21	18	14	23	21	18	14	23	21	18	14	22	21	17	14	23	22	18	15					
	KW	1.09	1.09	1.09	1.10	1.24	1.24	1.24	1.25	1.41	1.41	1.41	1.42	1.59	1.59	1.59	1.60	1.79	1.79	1.79	1.80	2.03	2.02	2.02	2.03					
	Amps	5.4	5.4	5.4	5.4	6.0	6.0	6.0	6.1	6.7	6.7	6.7	6.8	7.5	7.5	7.5	7.6	8.4	8.4	8.4	8.4	9.4	9.4	9.4	9.5					
	Hi PR	236	238	239	243	274	275	276	281	313	314	315	320	355	356	357	362	400	401	403	407	448	449	451	455					
Lo PR	122	123	126	131	129	131	134	139	136	137	140	145	141	142	146	151	146	148	151	156	153	155	158	163						
760	MBh	24.0	24.3	25.0	26.1	23.7	24.1	24.8	25.9	23.1	23.5	24.2	25.2	22.1	22.4	23.1	24.2	20.8	21.1	21.8	22.9	19.6	19.9	20.6	21.7					
	S/T	0.79	0.71	0.58	0.44	0.80	0.72	0.58	0.44	1.00	0.75	0.61	0.47	1.00	0.77	0.63	0.49	1.00	0.79	0.65	0.51	1.00	1.00	0.70	0.56					
	ΔT	22	20	17	13	22	20	17	13	22	20	17	14	22	20	17	13	22	20	17	13	23	21	18	14					
	KW	1.10	1.10	1.10	1.11	1.25	1.25	1.25	1.26	1.42	1.41	1.41	1.42	1.59	1.59	1.59	1.60	1.80	1.79	1.79	1.80	2.03	2.03	2.03	2.04					
	Amps	5.4	5.4	5.4	5.4	6.0	6.0	6.0	6.1	6.8	6.8	6.8	6.8	7.6	7.5	7.5	7.6	8.4	8.4	8.4	8.5	9.4	9.4	9.4	9.5					
	Hi PR	238	239	241	245	275	276	278	282	314	315	317	321	356	357	359	363	402	403	404	408	450	451	453	457					
Lo PR	123	124	128	133	130	132	135	140	137	138	141	147	142	144	147	152	148	149	152	157	154	156	159	164						

IDB = Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction service valves.  
 Airflow may vary depending on actual ambient conditions and system operation modes.

Shaded area is ACCA (TVA) conditions  
 kW = Total system power  
 Amps = outdoor unit amps (comp.+fan)

IDB		OUTDOOR AMBIENT TEMPERATURE																																															
		65°F								75°F								85°F								95°F								105°F								115°F							
		59	63	67	71	59	63	67	71	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	23.7	24.0	24.7	25.8	23.4	23.8	24.5	25.6	22.8	23.2	23.9	24.9	21.8	22.1	22.8	23.9	20.5	20.8	21.5	22.6	19.3	19.6	20.3	21.4	17.8	18.1	18.8	19.9	16.5	16.8	17.5	18.6															
		S/T	0.81	0.74	0.60	0.46	1.00	0.74	0.61	0.46	1.00	0.77	0.63	0.49	1.00	0.79	0.65	0.51	1.00	1.00	1.00	0.67	1.00	1.00	1.00	0.73	1.00	1.00	1.00	0.53	1.00	1.00	1.00	0.58															
		ΔT	27	26	22	19	27	26	22	19	28	26	23	19	27	26	22	19	27	25	22	19	28	26	23	20	27	25	22	19	28	26	23	20															
		kW	1.09	1.09	1.09	1.10	1.24	1.24	1.23	1.25	1.40	1.40	1.40	1.41	1.58	1.58	1.58	1.59	1.78	1.78	1.78	1.78	2.02	2.02	2.02	2.03	2.02	2.02	2.02	2.03	2.02	2.02	2.02	2.03															
	Amps	5.4	5.3	5.3	5.4	6.0	6.0	6.0	6.0	6.7	6.7	6.7	6.8	7.5	7.5	7.5	7.5	8.4	8.4	8.4	8.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4																
	Hi PR	235	236	238	242	273	274	275	279	312	313	314	318	354	355	356	360	399	400	400	402	447	448	448	454	447	448	448	454	447	448	448	454																
	Lo PR	121	122	126	131	128	130	133	138	135	136	139	145	140	142	145	150	146	147	147	150	152	154	154	157	152	154	154	157	152	154	154	157																
	MBh	23.8	24.2	24.9	26.0	23.6	24.0	24.7	25.8	23.0	23.4	24.1	25.1	22.0	22.3	23.0	24.1	20.7	21.0	21.7	22.8	19.5	19.8	20.5	21.6	18.0	18.3	19.0	20.1	16.7	17.0	17.7	18.8																
	S/T	0.87	0.80	0.66	0.52	1.00	0.80	0.67	0.52	1.00	0.83	0.69	0.55	1.00	0.85	0.71	0.57	1.00	1.00	1.00	0.73	1.00	1.00	1.00	0.64	1.00	1.00	1.00	0.59	1.00	1.00	1.00	0.64																
	ΔT	26	25	21	18	26	25	21	18	27	25	22	18	26	25	21	18	26	24	21	18	27	26	22	19	27	26	22	19	27	26	22	19																
	kW	1.10	1.09	1.09	1.10	1.24	1.24	1.24	1.25	1.41	1.41	1.41	1.42	1.59	1.59	1.59	1.60	1.79	1.79	1.79	1.79	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03																
	Amps	5.4	5.4	5.4	5.4	6.0	6.0	6.0	6.1	6.7	6.7	6.7	6.8	7.5	7.5	7.5	7.5	8.4	8.4	8.4	8.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.5																
Hi PR	237	238	240	244	274	275	277	281	313	314	316	320	355	356	358	362	400	402	402	403	449	450	450	456	449	450	450	456	449	450	450	456																	
Lo PR	122	124	127	132	130	131	134	139	136	138	141	146	142	143	146	151	147	148	148	151	154	155	155	158	154	155	155	158	154	155	155	158																	
MBh	24.1	24.4	25.1	26.2	23.9	24.2	24.9	26.0	23.2	23.6	24.3	25.4	22.2	22.5	23.2	24.3	20.9	21.2	21.9	23.0	19.7	20.0	20.7	21.8	18.2	18.5	19.2	20.3	16.9	17.2	17.9	19.0																	
S/T	1.00	0.84	0.70	0.56	1.00	0.85	0.71	0.57	1.00	0.87	0.74	0.59	1.00	0.89	0.76	0.61	1.00	1.00	1.00	0.78	1.00	1.00	1.00	0.69	1.00	1.00	1.00	0.63	1.00	1.00	1.00	0.69																	
ΔT	26	24	21	17	26	24	21	17	26	24	21	18	26	24	21	17	25	24	20	17	27	25	22	18	27	25	22	18	27	25	22	18																	
kW	1.10	1.10	1.10	1.11	1.25	1.25	1.25	1.26	1.42	1.41	1.41	1.42	1.60	1.59	1.59	1.60	1.80	1.79	1.79	1.79	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.04																	
Amps	5.4	5.4	5.4	5.4	6.1	6.0	6.0	6.1	6.8	6.8	6.8	6.8	7.6	7.5	7.5	7.6	8.4	8.4	8.4	8.4	9.5	9.5	9.5	9.5	9.5	9.4	9.4	9.4	9.5	9.4	9.4	9.5																	
Hi PR	238	239	241	245	276	277	278	282	315	316	317	321	357	358	359	363	402	403	403	405	450	451	451	457	450	451	451	457	450	451	451	457																	
Lo PR	123	125	128	133	131	132	135	141	137	139	142	147	143	144	147	153	148	150	150	153	155	156	156	161	155	156	156	161	155	156	156	161																	
85	620	MBh	24.1	24.4	25.1	26.2	23.8	24.2	24.9	26.0	23.2	23.6	24.3	25.3	22.2	22.5	23.2	24.3	20.9	21.2	21.9	23.0	19.7	20.0	20.7	21.8	18.2	18.5	19.2	20.3	16.9	17.2	17.9	19.0															
		S/T	1.00	0.84	0.70	0.56	1.00	0.84	0.71	0.56	1.00	1.00	0.73	0.59	1.00	1.00	0.75	0.61	1.00	1.00	1.00	0.63	1.00	1.00	1.00	0.68	1.00	1.00	1.00	0.68	1.00	1.00	1.00	0.68															
		ΔT	31	29	26	22	31	29	26	22	31	29	26	23	31	29	26	22	31	29	26	22	32	30	27	23	32	30	27	23	32	30	27	23															
		kW	1.09	1.09	1.09	1.10	1.24	1.24	1.24	1.25	1.41	1.41	1.40	1.41	1.59	1.59	1.58	1.59	1.79	1.79	1.79	1.78	2.02	2.02	2.02	2.03	2.02	2.02	2.02	2.03	2.02	2.02	2.02	2.03															
	Amps	5.4	5.4	5.3	5.4	6.0	6.0	6.0	6.0	6.7	6.7	6.7	6.8	7.5	7.5	7.5	7.5	8.4	8.4	8.4	8.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4																
	Hi PR	236	238	239	243	274	275	276	281	313	314	315	320	355	356	357	362	400	401	401	403	448	449	449	455	448	449	449	455	448	449	449	455																
	Lo PR	123	124	127	133	130	132	135	140	137	138	141	146	142	144	147	152	147	149	149	152	154	156	156	161	154	156	156	161	154	156	156	161																
	MBh	24.2	24.6	25.3	26.4	24.0	24.4	25.1	26.2	23.4	23.8	24.5	25.5	22.4	22.7	23.4	24.5	21.1	21.4	22.1	23.2	19.9	20.2	20.9	22.0	18.4	18.7	19.4	20.5	17.1	17.4	18.1	19.2																
	S/T	1.00	0.90	0.76	0.62	1.00	0.91	0.77	0.63	1.00	1.00	0.79	0.65	1.00	1.00	0.81	0.67	1.00	1.00	1.00	0.69	1.00	1.00	1.00	0.74	1.00	1.00	1.00	0.74	1.00	1.00	1.00	0.79																
	ΔT	30	28	25	22	30	28	25	21	30	28	25	22	30	28	25	21	30	28	25	21	31	29	26	22	31	29	26	22	31	29	26	22																
	kW	1.10	1.10	1.09	1.11	1.25	1.25	1.24	1.25	1.41	1.41	1.41	1.42	1.59	1.59	1.59	1.60	1.79	1.79	1.79	1.79	2.03	2.03	2.03	2.04	2.03	2.03	2.03	2.04	2.03	2.03	2.03	2.04																
	Amps	5.4	5.4	5.4	5.4	6.0	6.0	6.0	6.1	6.8	6.8	6.7	6.8	7.5	7.5	7.5	7.6	8.4	8.4	8.4	8.4	9.4	9.4	9.4	9.5	9.4	9.4	9.4	9.5	9.4	9.4	9.4	9.5																
Hi PR	238	239	241	245	275	276	278	282	314	315	317	321	356	357	359	363	402	403	403	404	450	451	451	457	450	451	451	457	450	451	451	457																	
Lo PR	124	126	129	134	131	133	136	141	138	139	142	148	143	145	148	153	149	150	150	153	155	157	157	161	155	157	157	161	155	157	157	161																	
MBh	24.5	24.8	25.5	26.6	24.3	24.6	25.3	26.4	23.6	24.0	24.7	25.8	22.6	22.9	23.6	24.7	21.3	21.6	22.3	23.4	20.1	20.4	21.1	22.2	18.6	18.9	19.6	20.7	17.3	17.6	18.3	19.4																	
S/T	1.00	0.94	0.81	0.66	1.00	0.95	0.81	0.67	1.00	1.00	0.84	0.69	1.00	1.00	0.86	0.71	1.00	1.00	1.00	0.88	1.00	1.00	1.00	0.79	1.00	1.00	1.00	0.79	1.00	1.00	1.00	0.79																	
ΔT	29	27	24	21	29	27	24	21	29	28	24	21	29	27	24	21	29	27	24	21	30	28	25	22	30	28	25	22	30	28	25	22																	
kW	1.10	1.10	1.10	1.11	1.25	1.25	1.25	1.26	1.42	1.42	1.42	1.43	1.60	1.60	1.59	1.61	1.80	1.80	1.80	1.81	2.03	2.03	2.03	2.04	2.03	2.03	2.03	2.04	2.03	2.03	2.03	2.04																	
Amps	5.4	5.4	5.4	5.5	6.1	6.1	6.0	6.1	6.8	6.8	6.8	6.8	7.6	7.6	7.6	7.6	8.4	8.4	8.4	8.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5																	
Hi PR	239	241	242	246	277	278	279	284	316	317	318	323	358	359	360	365	403	404	404	406	451	452	452	458	451	452	452	458	451	452	452	458																	
Lo PR	125	127	130	135	13																																												

EXPANDED COOLING DATA — AVXC200361A\* / CAPF3743\*6D\*+MBVC1600\*+TXV AT 100%

IDB	OUTDOOR AMBIENT TEMPERATURE																									
	65°F				75°F				85°F				95°F				105°F				115°F					
	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	34.9	35.4	36.4	-	34.6	35.1	36.1	-	33.7	34.2	35.2	-	32.1	32.6	33.7	-	30.2	30.7	31.7	-	28.5	29.0	30.0	-
		S/T	0.62	0.54	0.41	-	0.63	0.55	0.41	-	0.65	0.57	0.44	-	1.00	0.59	0.46	-	1.00	0.62	0.48	-	1.00	0.67	0.53	-
		ΔT	19	17	14	-	19	17	14	-	19	17	14	-	19	17	14	-	18	17	13	-	20	18	15	-
		kW	1.83	1.83	1.83	-	2.07	2.07	2.07	-	2.34	2.34	2.33	-	2.63	2.63	2.62	-	2.95	2.95	2.94	-	3.33	3.33	3.32	-
		Amps	8.0	8.0	8.0	-	9.0	9.0	9.0	-	10.2	10.2	10.2	-	11.4	11.4	11.4	-	12.8	12.8	12.8	-	14.5	14.5	14.5	-
	1170	Hi PR	250	251	252	-	289	290	292	-	330	331	333	-	375	376	377	-	422	423	425	-	473	475	476	-
		Lo PR	126	126	129	-	132	134	137	-	139	140	143	-	144	146	149	-	150	151	154	-	157	158	161	-
		MBh	35.3	35.8	36.8	-	35.0	35.5	36.5	-	34.1	34.6	35.6	-	32.5	33.0	34.0	-	30.6	31.1	32.1	-	28.8	29.3	30.4	-
		S/T	0.67	0.59	0.45	-	0.67	0.60	0.46	-	0.70	0.62	0.49	-	1.00	0.64	0.51	-	1.00	0.66	0.53	-	1.00	0.72	0.58	-
		ΔT	18	16	13	-	18	16	13	-	18	16	13	-	18	16	13	-	18	16	13	-	19	17	14	-

75	1050	MBh	34.9	35.4	36.5	38.1	34.6	35.1	36.1	37.7	33.7	34.2	35.2	36.8	32.1	32.6	33.7	35.3	30.2	30.7	31.8	33.4	28.5	29.0	30.0	31.6
		S/T	0.75	0.67	0.54	0.39	0.76	0.68	0.54	0.40	1.00	0.70	0.57	0.42	1.00	0.72	0.59	0.44	1.00	0.75	0.61	0.47	1.00	1.00	0.66	0.52
		ΔT	23	21	18	14	23	21	18	14	23	21	18	14	23	21	18	14	22	21	17	14	23	22	18	15
		kW	1.83	1.83	1.83	1.84	2.07	2.07	2.06	2.08	2.34	2.33	2.33	2.35	2.63	2.62	2.62	2.64	2.95	2.95	2.94	2.96	3.33	3.32	3.32	3.34
		Amps	8.0	8.0	7.9	8.0	9.0	9.0	9.0	9.1	10.2	10.2	10.1	10.2	11.4	11.4	11.4	11.5	12.8	12.8	12.8	12.9	14.5	14.5	14.4	14.5
	1170	Hi PR	250	251	253	257	289	290	292	296	330	331	333	338	375	376	378	382	423	424	425	430	474	475	477	481
		Lo PR	125	126	129	135	132	134	137	142	139	140	143	149	144	146	149	154	150	151	155	160	157	158	161	167
		MBh	35.3	35.8	36.8	38.4	35.0	35.5	36.5	38.1	34.1	34.6	35.6	37.2	32.5	<b>33.0</b>	34.1	35.6	30.6	31.1	32.1	33.7	28.9	29.3	30.4	32.0
		S/T	0.80	0.72	0.58	0.44	1.00	0.73	0.59	0.45	1.00	0.75	0.62	0.47	1.00	<b>0.77</b>	0.64	0.49	1.00	0.79	0.66	0.51	1.00	1.00	0.71	0.57
		ΔT	22	20	17	13	22	20	17	13	22	20	17	14	22	<b>20</b>	17	13	21	20	16	13	23	21	18	14

Shaded area is ACCA (TVA) conditions  
 kW = Total system power  
 Amps = outdoor unit amps (comp.+fan)  
 IDB = Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction service valves.  
 Airflow may vary depending on actual ambient conditions and system operation modes.

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE											
		65°F				75°F				85°F				95°F				105°F				115°F			
		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	MBh	35.1	35.6	36.6	38.2	34.8	35.3	36.3	37.9	33.9	34.4	35.4	37.0	32.3	32.8	33.9	35.4	30.4	30.9	31.9	33.5	28.7	29.2	30.2	31.8
	S/T	1.00	0.80	0.66	0.52	1.00	0.80	0.67	0.52	1.00	0.83	0.69	0.55	1.00	1.00	0.71	0.57	1.00	1.00	0.74	0.59	1.00	1.00	0.79	0.64
	ΔT	26	25	21	18	26	25	21	18	27	25	22	18	26	25	21	18	26	24	21	18	27	26	22	19
	kW	1.83	1.83	1.83	1.84	2.07	2.07	2.07	2.08	2.34	2.34	2.33	2.35	2.63	2.62	2.62	2.64	2.95	2.95	2.94	2.96	3.33	3.33	3.32	3.34
	Amps	8.0	8.0	8.0	8.0	9.0	9.0	9.0	9.1	10.2	10.2	10.2	10.2	11.4	11.4	11.4	11.5	12.8	12.8	12.8	12.9	14.5	14.5	14.5	14.5
	Hi PR	250	251	253	257	290	291	292	297	331	332	334	338	375	376	378	382	423	424	426	430	474	475	477	481
	Lo PR	125	127	130	135	133	134	137	143	139	141	144	149	145	146	150	155	150	152	155	160	157	159	162	167
1170	MBh	35.5	36.0	37.0	38.6	35.2	35.7	36.7	38.3	34.3	34.8	35.8	37.4	32.7	33.2	34.2	35.8	30.8	31.3	32.3	33.9	29.0	29.5	30.6	32.2
	S/T	1.00	0.85	0.71	0.57	1.00	0.85	0.72	0.57	1.00	0.88	0.74	0.60	1.00	1.00	0.76	0.62	1.00	1.00	0.78	0.64	1.00	1.00	0.84	0.69
	ΔT	26	24	21	17	26	24	21	17	26	24	21	17	26	24	21	17	25	24	20	17	26	25	21	18
	kW	1.84	1.84	1.84	1.85	2.08	2.08	2.08	2.09	2.35	2.35	2.34	2.36	2.64	2.63	2.63	2.65	2.96	2.96	2.95	2.97	3.34	3.34	3.33	3.35
	Amps	8.0	8.0	8.0	8.1	9.1	9.1	9.0	9.1	10.2	10.2	10.2	10.3	11.5	11.5	11.5	11.5	12.9	12.9	12.9	12.9	14.5	14.5	14.5	14.6
	Hi PR	252	253	255	259	291	292	294	299	333	334	335	340	377	378	380	384	425	426	428	432	476	477	479	483
	Lo PR	128	128	131	137	134	136	139	144	141	142	145	151	146	148	151	156	152	153	157	162	159	160	163	169
1290	MBh	35.9	36.4	37.5	39.0	35.6	36.1	37.1	38.7	34.7	35.2	36.2	37.8	33.1	33.6	34.7	36.3	31.2	31.7	32.8	34.3	29.5	30.0	31.0	32.6
	S/T	1.00	0.88	0.74	0.60	1.00	0.88	0.75	0.60	1.00	0.91	0.77	0.63	1.00	1.00	0.79	0.65	1.00	1.00	0.81	0.67	1.00	1.00	0.87	0.72
	ΔT	25	23	20	16	25	23	20	16	25	23	20	17	25	23	20	16	25	23	20	16	26	24	21	17
	kW	1.85	1.85	1.85	1.86	2.09	2.09	2.08	2.10	2.36	2.35	2.35	2.37	2.65	2.64	2.64	2.66	2.97	2.97	2.96	2.98	3.35	3.34	3.34	3.36
	Amps	8.1	8.1	8.0	8.1	9.1	9.1	9.1	9.2	10.3	10.3	10.2	10.3	11.5	11.5	11.5	11.6	12.9	12.9	12.9	13.0	14.6	14.6	14.5	14.6
	Hi PR	254	255	257	261	293	294	296	300	334	335	337	341	379	380	381	386	426	428	429	434	478	479	480	485
	Lo PR	128	130	133	138	136	137	140	146	142	144	147	152	148	150	153	158	153	155	158	163	160	162	165	170
1050	MBh	35.7	36.2	37.2	38.8	35.4	35.9	36.9	38.5	34.5	35.0	36.0	37.6	32.9	33.4	34.4	36.0	31.0	31.5	32.5	34.1	29.2	29.7	30.8	32.4
	S/T	1.00	0.90	0.76	0.62	1.00	1.00	0.77	0.63	1.00	1.00	0.80	0.65	1.00	1.00	0.82	0.67	1.00	1.00	0.84	0.69	1.00	1.00	1.00	0.75
	ΔT	30	28	25	21	30	28	25	21	30	28	25	22	30	28	25	21	30	28	25	21	31	29	26	22
	kW	1.84	1.84	1.83	1.85	2.08	2.07	2.07	2.09	2.34	2.34	2.34	2.35	2.63	2.63	2.63	2.64	2.95	2.95	2.95	2.97	3.33	3.33	3.33	3.34
	Amps	8.0	8.0	8.0	8.1	9.0	9.0	9.0	9.1	10.2	10.2	10.2	10.3	11.5	11.4	11.4	11.5	12.9	12.8	12.8	12.9	14.5	14.5	14.5	14.6
	Hi PR	251	253	254	259	291	292	294	298	332	333	335	339	376	377	379	384	424	425	427	431	475	476	478	482
	Lo PR	127	128	132	137	135	136	139	145	141	143	146	151	147	148	151	157	152	154	157	162	159	161	164	169
1170	MBh	36.1	36.6	37.6	39.2	35.8	36.3	37.3	38.9	34.9	35.3	36.4	38.0	33.3	33.8	34.8	36.4	31.4	31.9	32.9	34.5	29.6	30.1	31.2	32.7
	S/T	1.00	0.95	0.81	0.67	1.00	1.00	0.82	0.67	1.00	1.00	0.84	0.70	1.00	1.00	0.86	0.72	1.00	1.00	0.88	0.74	1.00	1.00	1.00	0.79
	ΔT	29	27	24	21	29	27	24	21	29	27	24	21	29	27	24	21	29	27	24	20	30	28	25	21
	kW	1.85	1.85	1.84	1.86	2.09	2.08	2.08	2.10	2.35	2.35	2.35	2.36	2.64	2.64	2.64	2.65	2.96	2.96	2.96	2.98	3.34	3.34	3.34	3.35
	Amps	8.0	8.0	8.0	8.1	9.1	9.1	9.1	9.1	10.2	10.2	10.2	10.3	11.5	11.5	11.5	11.6	12.9	12.9	12.9	13.0	14.5	14.5	14.5	14.6
	Hi PR	253	254	256	260	293	294	295	300	334	335	337	341	378	379	381	385	426	427	429	433	477	478	480	484
	Lo PR	128	130	133	138	136	138	141	146	143	144	147	153	148	150	153	158	154	155	158	164	161	162	165	171
1290	MBh	36.5	37.0	38.0	39.6	36.2	36.7	37.7	39.3	35.3	35.8	36.8	38.4	33.7	34.2	35.3	36.8	31.8	32.3	33.3	34.9	30.1	30.6	31.6	33.2
	S/T	1.00	0.98	0.84	0.70	1.00	1.00	0.85	0.71	1.00	1.00	0.87	0.73	1.00	1.00	0.89	0.75	1.00	1.00	0.90	0.77	1.00	1.00	1.00	0.82
	ΔT	28	27	23	20	28	27	23	20	29	27	23	20	28	26	23	20	28	26	23	20	29	27	24	21
	kW	1.86	1.85	1.85	1.87	2.09	2.09	2.09	2.11	2.36	2.36	2.36	2.37	2.65	2.65	2.64	2.66	2.97	2.97	2.97	2.98	3.35	3.35	3.34	3.36
	Amps	8.1	8.1	8.1	8.1	9.1	9.1	9.1	9.2	10.3	10.3	10.3	10.3	11.5	11.5	11.5	11.6	12.9	12.9	12.9	13.0	14.6	14.6	14.6	14.6
	Hi PR	255	256	258	262	294	295	297	301	335	337	338	343	380	381	383	387	428	429	430	435	479	480	482	486
	Lo PR	130	132	135	140	138	139	142	148	144	146	149	154	150	151	155	160	155	157	160	165	162	164	167	172

IDB = Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction service valves.  
 Airflow may vary depending on actual ambient conditions and system operation modes.

Shaded area is AHRI (TVA) conditions

kW = Total system power  
 Amps = outdoor unit amps (comp.+fan)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE											
		65°F				75°F				85°F				95°F				105°F				115°F			
		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	MBh	46.4	47.1	48.5	-	46.0	46.7	48.0	-	44.8	45.4	46.8	-	42.7	43.4	44.7	-	40.2	40.8	42.2	-	37.8	38.5	39.9	-
	S/T	0.63	0.55	0.42	-	0.64	0.56	0.42	-	0.66	0.59	0.45	-	1.00	0.60	0.47	-	1.00	0.63	0.49	-	1.00	0.68	0.54	-
	ΔT	19	18	14	-	19	18	14	-	20	18	14	-	19	18	14	-	19	17	14	-	20	18	15	-
	kW	2.43	2.43	2.43	-	2.75	2.75	2.75	-	3.11	3.11	3.10	-	3.50	3.50	3.49	-	3.93	3.93	3.92	-	4.44	4.44	4.43	-
	Amps	9.5	9.4	9.4	-	10.9	10.8	10.8	-	12.4	12.4	12.4	-	14.1	14.1	14.1	-	16.0	16.0	16.0	-	18.2	18.2	18.2	-
	Hi PR	251	252	254	-	290	292	293	-	332	333	335	-	376	377	379	-	424	426	427	-	476	477	479	-
	Lo PR	124	126	129	-	132	133	136	-	138	140	143	-	144	145	148	-	149	151	154	-	156	157	161	-
	MBh	46.9	47.6	48.9	-	46.5	47.1	48.5	-	45.3	45.9	47.3	-	43.2	43.8	45.2	-	40.6	41.3	42.7	-	38.3	39.0	40.4	-
	S/T	0.68	0.60	0.46	-	0.68	0.60	0.47	-	0.71	0.63	0.49	-	1.00	0.65	0.51	-	1.00	0.67	0.53	-	1.00	0.72	0.59	-
	ΔT	19	17	13	-	19	17	13	-	19	17	14	-	19	17	13	-	18	17	13	-	19	18	14	-
kW	2.45	2.44	2.44	-	2.77	2.76	2.76	-	3.13	3.12	3.12	-	3.51	3.51	3.50	-	3.95	3.94	3.94	-	4.45	4.45	4.44	-	
Amps	9.5	9.5	9.5	-	10.9	10.9	10.9	-	12.5	12.5	12.4	-	14.2	14.2	14.1	-	16.0	16.0	16.0	-	18.3	18.3	18.2	-	
Hi PR	253	254	255	-	292	293	295	-	333	335	336	-	378	379	381	-	426	427	429	-	477	478	480	-	
Lo PR	125	127	130	-	133	134	138	-	140	141	144	-	145	147	150	-	151	152	155	-	157	159	162	-	
MBh	47.5	48.1	49.5	-	47.0	47.7	49.1	-	45.8	46.5	47.9	-	43.7	44.4	45.8	-	41.2	41.9	43.2	-	38.9	39.5	40.9	-	
S/T	0.70	0.63	0.49	-	0.71	0.63	0.50	-	0.74	0.66	0.52	-	1.00	0.68	0.54	-	1.00	0.70	0.56	-	1.00	0.75	0.62	-	
ΔT	18	16	13	-	18	16	13	-	18	16	13	-	18	16	13	-	18	16	12	-	19	17	14	-	
kW	2.46	2.45	2.45	-	2.78	2.78	2.77	-	3.14	3.13	3.13	-	3.52	3.52	3.52	-	3.96	3.95	3.95	-	4.46	4.46	4.46	-	
Amps	9.6	9.5	9.5	-	11.0	11.0	10.9	-	12.5	12.5	12.5	-	14.2	14.2	14.2	-	16.1	16.1	16.1	-	18.3	18.3	18.3	-	
Hi PR	254	255	257	-	294	295	297	-	335	336	338	-	380	381	383	-	428	429	431	-	479	480	482	-	
Lo PR	127	128	132	-	134	136	139	-	141	143	146	-	147	148	151	-	152	154	157	-	159	160	164	-	
75	MBh	46.4	47.1	48.5	50.6	46.0	46.7	48.1	50.2	44.8	45.5	46.9	49.0	42.7	43.4	44.8	46.9	40.2	40.8	42.2	44.3	37.9	38.5	39.9	42.0
	S/T	0.76	0.68	0.55	0.40	0.77	0.69	0.55	0.41	1.00	0.72	0.58	0.43	1.00	0.74	0.60	0.45	1.00	0.76	0.62	0.48	1.00	1.00	0.67	0.53
	ΔT	24	22	18	15	23	22	18	15	24	22	18	15	23	22	18	15	23	21	18	14	24	23	19	16
	kW	2.43	2.43	2.42	2.45	2.75	2.75	2.74	2.77	3.11	3.11	3.10	3.13	3.50	3.50	3.49	3.51	3.93	3.93	3.92	3.95	4.44	4.44	4.43	4.45
	Amps	9.4	9.4	9.4	9.5	10.8	10.8	10.8	10.9	12.4	12.4	12.4	12.5	14.1	14.1	14.1	14.2	16.0	16.0	15.9	16.1	18.2	18.2	18.2	18.3
	Hi PR	251	252	254	258	291	292	294	298	332	333	335	339	377	378	379	384	425	426	428	432	476	477	479	483
	Lo PR	124	126	129	134	132	133	136	141	138	140	143	148	144	145	148	154	149	151	154	159	156	158	161	166
	MBh	46.9	47.6	49.0	51.1	46.5	47.2	48.6	50.7	45.3	46.0	47.3	49.5	43.2	43.9	45.3	47.4	40.7	41.3	42.7	44.8	38.3	39.0	40.4	42.5
	S/T	0.81	0.73	0.59	0.45	0.81	0.74	0.60	0.45	1.00	0.76	0.62	0.48	1.00	0.78	0.64	0.50	1.00	0.80	0.67	0.52	1.00	1.00	0.72	0.57
	ΔT	23	21	17	14	23	21	17	14	23	21	18	14	23	21	17	14	22	21	17	14	23	22	18	15
kW	2.44	2.44	2.44	2.46	2.77	2.76	2.76	2.78	3.12	3.12	3.11	3.14	3.51	3.50	3.50	3.53	3.94	3.94	3.93	3.96	4.45	4.45	4.44	4.47	
Amps	9.5	9.5	9.5	9.6	10.9	10.9	10.9	11.0	12.5	12.4	12.4	12.5	14.2	14.1	14.1	14.2	16.0	16.0	16.0	16.1	18.3	18.2	18.2	18.3	
Hi PR	253	254	256	260	292	293	295	300	334	335	337	341	378	379	381	385	426	427	429	434	478	479	480	485	
Lo PR	125	127	130	135	133	134	138	143	140	141	144	149	145	147	150	155	151	152	155	161	157	159	162	167	
MBh	47.5	48.1	49.5	51.6	47.1	47.7	49.1	51.2	45.9	46.5	47.9	50.0	43.8	44.4	45.8	47.9	41.2	41.9	43.3	45.4	38.9	39.6	40.9	43.1	
S/T	0.84	0.76	0.62	0.48	1.00	0.76	0.63	0.48	1.00	0.79	0.65	0.51	1.00	0.81	0.67	0.53	1.00	0.83	0.69	0.55	1.00	1.00	0.75	0.60	
ΔT	22	20	17	13	22	20	17	13	22	20	17	13	22	20	17	13	22	20	16	13	23	21	18	14	
kW	2.46	2.45	2.45	2.47	2.78	2.77	2.77	2.79	3.13	3.13	3.13	3.15	3.52	3.52	3.51	3.54	3.95	3.95	3.95	3.97	4.46	4.46	4.45	4.48	
Amps	9.5	9.5	9.5	9.6	11.0	10.9	10.9	11.0	12.5	12.5	12.5	12.6	14.2	14.2	14.2	14.3	16.1	16.1	16.0	16.2	18.3	18.3	18.3	18.4	
Hi PR	254	255	257	262	294	295	297	301	335	336	338	343	380	381	383	387	428	429	431	435	479	480	482	486	
Lo PR	127	129	132	137	135	136	139	144	141	143	146	151	147	148	151	157	152	154	157	162	159	160	164	169	

Shaded area is ACCA (TVA) conditions  
 kW = Total system power  
 Amps = outdoor unit amps (comp.+fan)  
 IDB = Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction service valves.  
 Airflow may vary depending on actual ambient conditions and system operation modes.



IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE											
		65°F				75°F				85°F				95°F				105°F				115°F			
		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	MBh	46.7	47.3	48.7	50.8	46.3	46.9	48.3	50.4	45.1	45.7	47.1	49.2	43.0	43.6	45.0	47.1	40.4	41.1	42.5	44.6	38.1	38.8	40.1	42.3
	S/T	1.00	0.81	0.67	0.53	1.00	0.82	0.68	0.54	1.00	0.84	0.71	0.56	1.00	1.00	0.73	0.58	1.00	1.00	0.75	0.60	1.00	1.00	0.80	0.66
	ΔT	28	26	22	19	27	26	22	19	28	26	23	19	27	26	22	19	27	25	22	18	28	27	23	20
	kW	2.43	2.43	2.43	2.45	2.75	2.75	2.75	2.77	3.11	3.11	3.10	3.13	3.50	3.50	3.49	3.52	3.93	3.93	3.92	3.95	4.44	4.44	4.43	4.46
	Amps	9.5	9.4	9.4	9.5	10.9	10.8	10.8	10.9	12.4	12.4	12.4	12.5	14.1	14.1	14.1	14.2	16.0	16.0	16.0	16.1	18.2	18.2	18.2	18.3
	Hi PR	252	253	254	259	291	292	294	298	333	334	335	340	377	378	380	384	425	426	428	432	476	478	479	484
	Lo PR	125	126	129	134	132	134	137	142	139	140	143	149	144	146	149	154	150	151	154	160	157	158	161	166
	MBh	47.2	47.8	49.2	51.3	46.8	47.4	48.8	50.9	45.5	46.2	47.6	49.7	43.5	44.1	45.5	47.6	40.9	41.6	43.0	45.1	38.6	39.2	40.6	42.7
	S/T	1.00	0.86	0.72	0.57	1.00	0.86	0.73	0.58	1.00	0.89	0.75	0.61	1.00	1.00	0.77	0.63	1.00	1.00	0.79	0.65	1.00	1.00	0.84	0.70
	ΔT	27	25	21	18	27	25	21	18	27	25	22	18	27	25	21	18	26	25	21	18	28	26	22	19
kW	2.45	2.44	2.44	2.46	2.77	2.76	2.76	2.78	3.12	3.12	3.12	3.14	3.51	3.51	3.51	3.53	3.94	3.94	3.94	3.96	4.45	4.45	4.44	4.47	
Amps	9.5	9.5	9.5	9.6	10.9	10.9	10.9	11.0	12.5	12.5	12.4	12.5	14.2	14.2	14.2	14.2	16.0	16.0	16.0	16.1	18.3	18.3	18.2	18.3	
Hi PR	253	254	256	260	293	294	296	300	334	335	337	341	379	380	382	386	427	428	430	434	478	479	481	485	
Lo PR	126	128	131	136	134	135	138	143	140	142	145	150	146	147	150	156	151	153	156	161	158	159	163	168	
MBh	47.7	48.4	49.8	51.9	47.3	48.0	49.4	51.5	46.1	46.8	48.1	50.3	44.0	44.7	46.1	48.2	41.5	42.1	43.5	45.6	39.1	39.8	41.2	43.3	
S/T	1.00	0.89	0.75	0.60	1.00	0.89	0.75	0.61	1.00	0.92	0.78	0.63	1.00	1.00	0.80	0.65	1.00	1.00	0.82	0.68	1.00	1.00	0.87	0.73	
ΔT	26	24	21	17	26	24	21	17	26	24	21	17	26	24	21	17	26	24	20	17	27	25	22	18	
kW	2.46	2.45	2.45	2.47	2.78	2.78	2.77	2.79	3.14	3.13	3.13	3.15	3.52	3.52	3.51	3.54	3.96	3.95	3.95	3.97	4.46	4.46	4.46	4.48	
Amps	9.6	9.5	9.5	9.6	11.0	10.9	10.9	11.0	12.5	12.5	12.5	12.6	14.2	14.2	14.2	14.3	16.1	16.1	16.1	16.2	18.3	18.3	18.3	18.4	
Hi PR	255	256	258	262	294	295	297	302	336	337	339	343	380	381	383	388	428	429	431	436	480	481	483	487	
Lo PR	128	129	132	137	135	137	140	145	142	143	146	152	147	149	152	157	153	154	157	163	160	161	164	169	
85	MBh	47.5	48.1	49.5	51.6	47.1	47.7	49.1	51.2	45.8	46.5	47.9	50.0	43.8	44.4	45.8	47.9	41.2	41.9	43.3	45.4	38.9	39.5	40.9	43.0
	S/T	1.00	0.91	0.78	0.63	1.00	0.92	0.78	0.64	1.00	1.00	0.81	0.66	1.00	1.00	0.83	0.68	1.00	1.00	0.85	0.71	1.00	1.00	1.00	0.76
	ΔT	31	29	26	22	31	29	26	22	31	30	26	23	31	29	26	22	31	29	26	22	32	30	27	23
	kW	2.44	2.44	2.43	2.46	2.76	2.76	2.75	2.78	3.12	3.12	3.11	3.13	3.51	3.50	3.50	3.52	3.94	3.94	3.93	3.95	4.45	4.44	4.44	4.46
	Amps	9.5	9.5	9.4	9.6	10.9	10.9	10.8	11.0	12.4	12.4	12.4	12.5	14.1	14.1	14.1	14.2	16.0	16.0	16.0	16.1	18.2	18.2	18.2	18.3
	Hi PR	253	254	256	260	292	293	295	300	334	335	337	341	378	379	381	385	426	427	429	434	478	479	480	485
	Lo PR	126	128	131	136	134	135	139	144	141	142	145	150	146	148	151	156	152	153	156	161	158	160	163	168
	MBh	48.0	48.6	50.0	52.1	47.5	48.2	49.6	51.7	46.3	47.0	48.4	50.5	44.2	44.9	46.3	48.4	41.7	42.3	43.7	45.9	39.4	40.0	41.4	43.5
	S/T	1.00	0.96	0.82	0.68	1.00	1.00	0.83	0.68	1.00	1.00	0.85	0.71	1.00	1.00	0.87	0.73	1.00	1.00	0.90	0.75	1.00	1.00	1.00	0.80
	ΔT	30	28	25	22	30	28	25	21	30	29	25	22	30	28	25	21	30	28	25	21	31	29	26	22
kW	2.45	2.45	2.44	2.47	2.77	2.77	2.76	2.79	3.13	3.13	3.12	3.15	3.52	3.52	3.51	3.53	3.95	3.95	3.94	3.97	4.46	4.46	4.45	4.48	
Amps	9.5	9.5	9.5	9.6	10.9	10.9	10.9	11.0	12.5	12.5	12.5	12.6	14.2	14.2	14.2	14.3	16.1	16.1	16.0	16.1	18.3	18.3	18.3	18.4	
Hi PR	254	256	257	262	294	295	297	301	335	336	338	343	380	381	383	387	428	429	431	435	479	480	482	486	
Lo PR	128	129	133	138	135	137	140	145	142	143	147	152	148	149	152	157	153	155	158	163	160	161	164	170	
MBh	48.5	49.2	50.5	52.7	48.1	48.7	50.1	52.3	46.9	47.5	48.9	51.0	44.8	45.5	46.8	49.0	42.3	42.9	44.3	46.4	39.9	40.6	42.0	44.1	
S/T	1.00	0.99	0.85	0.71	1.00	1.00	0.86	0.71	1.00	1.00	0.88	0.74	1.00	1.00	0.90	0.76	1.00	1.00	1.00	0.78	1.00	1.00	1.00	0.83	
ΔT	30	28	24	21	30	28	24	21	30	28	25	21	29	28	24	21	29	27	24	20	30	29	25	22	
kW	2.46	2.46	2.46	2.48	2.78	2.78	2.78	2.80	3.14	3.14	3.13	3.16	3.53	3.53	3.52	3.55	3.96	3.96	3.95	3.98	4.47	4.47	4.46	4.49	
Amps	9.6	9.6	9.5	9.7	11.0	11.0	11.0	11.1	12.5	12.5	12.5	12.6	14.2	14.2	14.2	14.3	16.1	16.1	16.1	16.2	18.3	18.3	18.3	18.4	
Hi PR	256	257	259	263	296	297	298	303	337	338	340	344	382	383	384	389	430	431	432	437	481	482	484	488	
Lo PR	129	131	134	139	137	138	142	147	143	145	148	153	149	151	154	159	155	156	159	164	161	163	166	171	

IDB = Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction service valves.  
 Airflow may vary depending on actual ambient conditions and system operation modes.  
 Shaded area is AHRI (TVA) conditions  
 kW = Total system power  
 Amps = outdoor unit amps (comp.+fan)

EXPANDED COOLING DATA — AVXC200601A\* / CAPF4961\*6D\*+MBVC2000\*+TXV AT 100%

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												ENTERING INDOOR WET BULB TEMPERATURE											
		65°F				75°F				85°F				95°F				105°F				115°F			
		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	MBh	54.1	54.9	56.5	-	53.6	54.4	56.0	-	52.2	52.9	54.6	-	49.7	50.5	52.1	-	46.7	47.5	49.1	-	33.1	33.6	34.8	-
	S/T	0.61	0.53	0.40	-	0.61	0.54	0.40	-	0.64	0.56	0.43	-	0.66	0.58	0.45	-	0.68	0.60	0.47	-	1.00	0.68	0.54	-
	ΔT	20	18	15	-	20	18	15	-	20	18	15	-	20	18	15	-	20	18	14	-	21	19	15	-
	KW	2.83	2.83	2.82	-	3.20	3.20	3.19	-	3.62	3.62	3.61	-	4.07	4.07	4.06	-	4.57	4.57	4.56	-	3.89	3.89	3.89	-
	Amps	10.9	10.9	10.8	-	12.5	12.5	12.4	-	14.3	14.3	14.2	-	16.2	16.2	16.2	-	18.4	18.4	18.4	-	15.4	15.4	15.4	-
	Hi PR	253	254	256	-	293	294	295	-	334	335	337	-	379	380	382	-	428	429	431	-	462	463	465	-
	Lo PR	118	119	122	-	125	126	129	-	131	133	136	-	136	138	141	-	142	143	146	-	155	156	159	-
	MBh	54.7	55.5	57.1	-	54.2	55.0	56.6	-	52.8	53.5	55.2	-	50.3	51.1	52.7	-	47.3	48.1	49.7	-	33.5	34.0	35.3	-
	S/T	0.65	0.58	0.45	-	0.66	0.58	0.45	-	0.68	0.61	0.48	-	0.70	0.63	0.49	-	0.72	0.65	0.52	-	1.00	0.73	0.59	-
	ΔT	19	17	14	-	19	17	14	-	19	18	14	-	19	17	14	-	19	17	13	-	20	18	14	-
KW	2.85	2.84	2.84	-	3.22	3.22	3.21	-	3.64	3.63	3.63	-	4.09	4.09	4.08	-	4.58	4.58	4.57	-	3.90	3.90	3.90	-	
Amps	10.9	10.9	10.9	-	12.6	12.5	12.5	-	14.4	14.3	14.3	-	16.3	16.3	16.3	-	18.5	18.5	18.5	-	15.5	15.5	15.4	-	
Hi PR	255	256	257	-	294	295	297	-	336	337	339	-	381	382	384	-	429	431	432	-	464	465	466	-	
Lo PR	119	121	124	-	126	128	131	-	133	134	137	-	138	139	142	-	143	144	147	-	156	158	161	-	
MBh	55.3	56.1	57.7	-	54.8	55.6	57.2	-	53.4	54.2	55.8	-	50.9	51.7	53.3	-	48.0	48.7	50.4	-	33.9	34.5	35.7	-	
S/T	0.68	0.60	0.47	-	0.69	0.61	0.48	-	0.71	0.64	0.50	-	0.73	0.65	0.52	-	1.00	0.68	0.54	-	1.00	0.76	0.62	-	
ΔT	18	17	13	-	18	17	13	-	19	17	13	-	18	17	13	-	18	16	13	-	19	17	14	-	
KW	2.86	2.85	2.85	-	3.23	3.23	3.22	-	3.65	3.65	3.64	-	4.10	4.10	4.09	-	4.60	4.59	4.59	-	3.91	3.91	3.91	-	
Amps	11.0	11.0	10.9	-	12.6	12.6	12.6	-	14.4	14.4	14.4	-	16.4	16.4	16.3	-	18.5	18.5	18.5	-	15.5	15.5	15.5	-	
Hi PR	256	257	259	-	296	297	299	-	338	339	341	-	383	384	385	-	431	432	434	-	465	466	468	-	
Lo PR	121	122	125	-	128	129	132	-	134	135	138	-	139	141	144	-	144	146	149	-	158	159	162	-	

75	MBh	54.1	54.9	56.5	59.0	53.6	54.4	56.0	58.5	52.2	53.0	54.6	57.1	49.8	50.5	52.2	54.6	46.8	47.5	49.2	51.7	33.1	33.6	34.8	36.7
	S/T	0.73	0.66	0.52	0.38	0.74	0.66	0.53	0.39	0.76	0.69	0.56	0.42	1.00	0.71	0.57	0.43	1.00	0.73	0.60	0.46	1.00	1.00	0.67	0.53
	ΔT	24	22	19	15	24	22	19	15	24	23	19	15	24	22	19	15	24	22	19	15	25	23	19	16
	KW	2.83	2.82	2.82	2.85	3.20	3.20	3.19	3.22	3.62	3.62	3.61	3.64	4.07	4.07	4.06	4.09	4.57	4.56	4.56	4.58	3.89	3.89	3.88	3.90
	Amps	10.9	10.8	10.8	10.9	12.5	12.5	12.4	12.6	14.3	14.3	14.2	14.4	16.2	16.2	16.2	16.3	18.4	18.4	18.4	18.5	15.4	15.4	15.4	15.5
	Hi PR	253	254	256	260	293	294	296	300	335	336	337	342	380	381	382	387	428	429	431	435	462	463	465	469
	Lo PR	118	119	122	127	125	126	129	134	131	133	136	141	136	138	141	146	142	143	146	151	155	156	159	165
	MBh	54.7	55.5	57.1	59.6	54.2	55.0	56.6	59.1	52.8	53.6	55.2	57.7	50.4	51.1	52.8	55.2	47.4	48.1	49.8	52.3	33.5	34.1	35.3	37.2
	S/T	0.78	0.70	0.57	0.43	0.79	0.71	0.58	0.44	0.81	0.74	0.60	0.46	1.00	0.75	0.62	0.48	1.00	0.78	0.64	0.50	1.00	1.00	0.72	0.58
	ΔT	23	21	18	14	23	21	18	14	24	22	18	14	23	21	18	14	23	21	18	14	24	22	18	15
KW	2.84	2.84	2.83	2.86	3.22	3.21	3.21	3.24	3.63	3.63	3.63	3.65	4.09	4.08	4.08	4.11	4.58	4.58	4.57	4.60	3.90	3.90	3.90	3.92	
Amps	10.9	10.9	10.9	11.0	12.5	12.5	12.5	12.6	14.3	14.3	14.3	14.4	16.3	16.3	16.3	16.4	18.5	18.5	18.4	18.6	15.5	15.5	15.4	15.5	
Hi PR	255	256	258	262	295	296	297	302	336	337	339	344	381	382	384	389	430	431	433	437	464	465	467	471	
Lo PR	119	121	124	129	126	128	131	136	133	134	137	142	138	139	142	147	143	145	147	152	156	158	161	166	
MBh	55.3	56.1	57.7	60.1	54.8	55.6	57.2	59.6	53.4	54.2	55.8	58.3	51.0	51.7	53.4	55.9	48.0	48.8	50.4	52.9	34.0	34.5	35.7	37.6	
S/T	0.81	0.73	0.60	0.46	0.81	0.74	0.60	0.46	1.00	0.76	0.63	0.49	1.00	0.78	0.65	0.51	1.00	0.80	0.67	0.53	1.00	1.00	0.75	0.60	
ΔT	23	21	17	14	23	21	17	14	23	21	17	14	23	21	17	14	22	20	17	13	23	21	18	14	
KW	2.86	2.85	2.85	2.87	3.23	3.23	3.22	3.25	3.65	3.64	3.64	3.67	4.10	4.10	4.09	4.12	4.59	4.59	4.58	4.61	3.91	3.91	3.90	3.93	
Amps	11.0	11.0	10.9	11.1	12.6	12.6	12.6	12.7	14.4	14.4	14.4	14.5	16.4	16.3	16.3	16.4	18.5	18.5	18.4	18.6	15.5	15.5	15.5	15.6	
Hi PR	256	257	259	264	296	297	299	303	338	339	341	345	383	384	386	390	431	432	434	439	465	466	468	472	
Lo PR	121	122	125	130	128	129	132	137	134	135	138	143	139	141	144	149	144	146	149	154	158	159	162	168	

IDB = Entering Indoor Dry Bulb Temperature  
 High and low pressures are measured at the liquid and suction service valves.  
 Airflow may vary depending on actual ambient conditions and system operation modes.

Shaded area is ACCA (TVA) conditions  
 kW = Total system power  
 Amps = outdoor unit amps (comp.+fan)

IDB	AIRFLOW	OUTDOOR AMBIENT TEMPERATURE												105°F												115°F																																																																																																																							
		65°F						75°F						85°F						95°F						105°F						115°F																																																																																																																	
		59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79	59	63	67	71	75	79																																																																																																												
<b>80</b>	MBh	54.4	55.2	56.8	59.3	53.9	54.7	56.3	58.8	52.5	53.3	54.9	57.4	50.0	50.8	52.4	54.9	47.1	47.8	49.5	51.9	33.3	33.8	35.1	36.9	50.0	50.8	52.4	54.9	47.1	47.8	49.5	51.9	33.3	33.8	35.1	36.9	47.1	47.8	49.5	51.9	33.3	33.8	35.1	36.9	47.1	47.8	49.5	51.9	33.3	33.8	35.1	36.9	47.1	47.8	49.5	51.9	33.3	33.8	35.1	36.9	47.1	47.8	49.5	51.9	33.3	33.8	35.1	36.9																																																																												
	S/T	0.86	0.78	0.65	0.51	1.00	0.79	0.65	0.51	1.00	0.81	0.68	0.54	1.00	0.83	0.70	0.56	1.00	0.85	0.72	0.58	1.00	1.00	0.80	0.65	1.00	0.81	0.68	0.54	1.00	0.83	0.70	0.56	1.00	0.85	0.72	0.58	1.00	1.00	0.80	0.65	1.00	0.85	0.72	0.58	1.00	0.83	0.70	0.56	1.00	0.85	0.72	0.58	1.00	1.00	0.80	0.65	1.00	0.85	0.72	0.58	1.00	0.83	0.70	0.56	1.00	0.85	0.72	0.58	1.00	1.00	0.80	0.65	1.00	0.85	0.72	0.58	1.00	0.83	0.70	0.56	1.00	0.85	0.72	0.58	1.00	1.00	0.80	0.65	1.00	0.85	0.72	0.58	1.00	0.83	0.70	0.56	1.00	0.85	0.72	0.58	1.00	1.00	0.80	0.65																																								
	ΔT	28	27	23	19	28	26	23	19	29	27	23	20	28	26	23	19	28	26	23	19	29	27	23	20	28	26	23	19	28	26	23	19	29	27	23	20	28	26	23	19	29	27	23	20	28	26	23	19	28	26	23	19	29	27	23	20	28	26	23	19	29	27	23	20	28	26	23	19	28	26	23	19	29	27	23	20	28	26	23	19	29	27	23	20	28	26	23	19	28	26	23	19	29	27	23	20	28	26	23	19	29	27	23	20	28	26	23	19	28	26	23	19	29	27	23	20	28	26	23	19	29	27	23	20	28	26	23	19	28	26	23	19	29	27	23	20	28	26	23	19	29	27	23	20
	KW	2.83	2.83	2.82	2.85	3.20	3.20	3.19	3.22	3.62	3.62	3.61	3.64	4.07	4.07	4.06	4.09	4.57	4.56	4.56	4.59	3.89	3.89	3.89	3.91	4.07	4.07	4.06	4.09	4.57	4.56	4.56	4.59	3.89	3.89	3.89	3.91	4.57	4.56	4.56	4.59	3.89	3.89	3.89	3.91	4.57	4.56	4.56	4.59	3.89	3.89	3.89	3.91	4.57	4.56	4.56	4.59	3.89	3.89	3.89	3.91	4.57	4.56	4.56	4.59	3.89	3.89	3.89	3.91	4.57	4.56	4.56	4.59	3.89	3.89	3.89	3.91	4.57	4.56	4.56	4.59	3.89	3.89	3.89	3.91	4.57	4.56	4.56	4.59	3.89	3.89	3.89	3.91	4.57	4.56	4.56	4.59	3.89	3.89	3.89	3.91	4.57	4.56	4.56	4.59	3.89	3.89	3.89	3.91	4.57	4.56	4.56	4.59	3.89	3.89	3.89	3.91																												
	Amps	10.9	10.9	10.8	10.9	12.5	12.5	12.4	12.6	14.3	14.3	14.3	14.4	16.2	16.2	16.2	16.3	18.4	18.4	18.4	18.5	15.4	15.4	15.4	15.5	16.2	16.2	16.2	16.3	18.4	18.4	18.4	18.5	15.4	15.4	15.4	15.5	18.4	18.4	18.4	18.5	15.4	15.4	15.4	15.5	18.4	18.4	18.4	18.5	15.4	15.4	15.4	15.5	18.4	18.4	18.4	18.5	15.4	15.4	15.4	15.5	18.4	18.4	18.4	18.5	15.4	15.4	15.4	15.5	18.4	18.4	18.4	18.5	15.4	15.4	15.4	15.5	18.4	18.4	18.4	18.5	15.4	15.4	15.4	15.5	18.4	18.4	18.4	18.5	15.4	15.4	15.4	15.5	18.4	18.4	18.4	18.5	15.4	15.4	15.4	15.5	18.4	18.4	18.4	18.5	15.4	15.4	15.4	15.5	18.4	18.4	18.4	18.5	15.4	15.4	15.4	15.5	18.4	18.4	18.4	18.5	15.4	15.4	15.4	15.5																				
	Hi PR	253	255	256	261	293	294	296	301	335	336	338	342	380	381	383	387	428	430	431	436	463	464	465	470	380	381	383	387	428	430	431	436	463	464	465	470	428	430	431	436	463	464	465	470	428	430	431	436	463	464	465	470	428	430	431	436	463	464	465	470	428	430	431	436	463	464	465	470	428	430	431	436	463	464	465	470	428	430	431	436	463	464	465	470	428	430	431	436	463	464	465	470	428	430	431	436	463	464	465	470																																												
	Lo PR	118	120	123	128	125	127	130	135	132	133	136	141	137	138	141	146	142	144	147	152	157	157	160	165	137	138	141	146	142	144	147	152	157	157	160	165	142	144	147	152	157	157	160	165	142	144	147	152	157	157	160	165	142	144	147	152	157	157	160	165	142	144	147	152	157	157	160	165	142	144	147	152	157	157	160	165	142	144	147	152	157	157	160	165	142	144	147	152	157	157	160	165	142	144	147	152	157	157	160	165																																												
	MBh	55.0	55.8	57.4	59.8	54.5	55.3	56.9	59.4	53.1	53.9	55.5	58.0	50.6	51.4	53.0	55.5	47.7	48.4	50.1	52.5	33.7	34.3	35.5	37.4	50.6	51.4	53.0	55.5	47.7	48.4	50.1	52.5	33.7	34.3	35.5	37.4	47.7	48.4	50.1	52.5	33.7	34.3	35.5	37.4	47.7	48.4	50.1	52.5	33.7	34.3	35.5	37.4	47.7	48.4	50.1	52.5	33.7	34.3	35.5	37.4	47.7	48.4	50.1	52.5	33.7	34.3	35.5	37.4	47.7	48.4	50.1	52.5	33.7	34.3	35.5	37.4	47.7	48.4	50.1	52.5	33.7	34.3	35.5	37.4	47.7	48.4	50.1	52.5	33.7	34.3	35.5	37.4	47.7	48.4	50.1	52.5	33.7	34.3	35.5	37.4																																												
	S/T	0.90	0.83	0.69	0.55	1.00	0.83	0.70	0.56	1.00	0.86	0.73	0.59	1.00	0.88	0.74	0.60	1.00	0.90	0.77	0.63	1.00	1.00	0.85	0.70	1.00	0.86	0.73	0.59	1.00	0.88	0.74	0.60	1.00	0.90	0.77	0.63	1.00	1.00	0.85	0.70	1.00	0.90	0.77	0.63	1.00	1.00	0.85	0.70	1.00	0.90	0.77	0.63	1.00	1.00	0.85	0.70	1.00	0.90	0.77	0.63	1.00	1.00	0.85	0.70	1.00	0.90	0.77	0.63	1.00	1.00	0.85	0.70	1.00	0.90	0.77	0.63	1.00	1.00	0.85	0.70	1.00	0.90	0.77	0.63	1.00	1.00	0.85	0.70	1.00	0.90	0.77	0.63	1.00	1.00	0.85	0.70																																																
	ΔT	27	26	22	18	27	26	22	18	28	26	22	19	27	26	22	18	27	25	22	18	28	26	23	19	27	26	22	18	27	25	22	18	28	26	23	19	27	25	22	18	28	26	23	19	27	25	22	18	28	26	23	19	27	25	22	18	27	25	22	18	28	26	23	19	27	25	22	18	28	26	23	19	27	25	22	18	28	26	23	19	27	25	22	18	27	25	22	18	28	26	23	19	27	25	22	18	28	26	23	19	27	25	22	18	28	26	23	19																																				
KW	2.85	2.84	2.84	2.86	3.22	3.22	3.21	3.24	3.64	3.63	3.63	3.66	4.09	4.09	4.08	4.11	4.58	4.58	4.57	4.60	3.90	3.90	3.90	3.92	4.09	4.09	4.08	4.11	4.58	4.58	4.57	4.60	3.90	3.90	3.90	3.92	4.58	4.58	4.57	4.60	3.90	3.90	3.90	3.92	4.58	4.58	4.57	4.60	3.90	3.90	3.90	3.92	4.58	4.58	4.57	4.60	3.90	3.90	3.90	3.92	4.58	4.58	4.57	4.60	3.90	3.90	3.90	3.92	4.58	4.58	4.57	4.60	3.90	3.90	3.90	3.92	4.58	4.58	4.57	4.60	3.90	3.90	3.90	3.92	4.58	4.58	4.57	4.60	3.90	3.90	3.90	3.92	4.58	4.58	4.57	4.60	3.90	3.90	3.90	3.92																																													
Amps	10.9	10.9	10.9	11.0	12.5	12.5	12.5	12.6	14.4	14.3	14.3	14.4	16.3	16.3	16.3	16.4	18.5	18.5	18.5	18.6	15.5	15.5	15.5	15.5	16.3	16.3	16.3	16.4	18.5	18.5	18.5	18.6	15.5	15.5	15.5	15.5	18.5	18.5	18.5	18.6	15.5	15.5	15.5	15.5	18.5	18.5	18.5	18.6	15.5	15.5	15.5	15.5																																																																																													
Hi PR	255	256	258	263	295	296	298	302	337	338	340	344	382	383	385	389	430	431	433	437	464	465	467	471	382	383	385	389	430	431	433	437	464	465	467	471	430	431	433	437	464	465	467	471	430	431	433	437	464	465	467	471																																																																																													
Lo PR	121	121	124	129	127	128	131	136	133	135	138	143	138	140	143	148	144	145	148	153	157	158	161	167	138	140	143	148	144	145	148	153	157	158	161	167	144	145	148	153	157	158	161	167	144	145	148	153	157	158	161	167																																																																																													
MBh	55.6	56.4	58.0	60.4	55.1	55.9	57.5	59.9	53.7	54.5	56.1	58.6	51.3	52.0	53.7	56.1	48.3	49.0	50.7	53.1	34.2	34.7	36.0	37.8	51.3	52.0	53.7	56.1	48.3	49.0	50.7	53.1	34.2	34.7	36.0	37.8	48.3	49.0	50.7	53.1	34.2	34.7	36.0	37.8	48.3	49.0	50.7	53.1	34.2	34.7	36.0	37.8																																																																																													
S/T	0.93	0.85	0.72																																																																																																																																														

AVXC200241A* / CA*F3642*6D* + MBVC1200**-1A* + TXV DESIGN SUBCOOLING @ AHRI 95 °F CONDITIONS, 7-9 °F @ THE SERV. VLV. - 100 % DEMAND				
OUTDOOR TEMP. °F	TOTAL BTU/H	SENSIBLE BTU/H	LATENT BTU/H	TOTAL WATTS
75°	24,700	16,500	8,200	1,240
80°	24,400	16,600	7,800	1,325
85°	24,100	16,600	7,500	1,410
90°	23,600	16,500	7,100	1,500
95°	23,000	16,300	6,700	1,590
100°	22,400	16,100	6,300	1,690
105°	21,700	15,800	5,900	1,790
110°	21,100	16,000	5,100	1,905
115°	20,500	16,200	4,300	2,020
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	22,200	16,000	6,200	1,590

AVXC200481A* / CA*F4961*6D* + MBVC2000**-1A* + TXV, DESIGN SUBCOOLING @ AHRI 95°F CONDITIONS, 7-9°F @ THE SERV. VLV. - 100 % DEMAND				
OUTDOOR TEMP. °F	TOTAL BTU/H	SENSIBLE BTU/H	LATENT BTU/H	TOTAL WATTS
75°	48,800	35,600	13,200	2,760
80°	48,200	35,700	12,500	2,940
85°	47,600	35,700	11,900	3,120
90°	46,600	35,400	11,200	3,310
95°	45,500	35,000	10,500	3,500
100°	44,300	34,500	9,800	3,720
105°	43,000	34,000	9,000	3,940
110°	41,800	34,100	7,700	4,190
115°	40,600	34,100	6,500	4,440
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	43,900	34,200	9,700	3,510

AVXC200361A* / CA*F3743*6D* + MBVC1600**-1A* + TXV DESIGN SUBCOOLING @ AHRI 95 °F CONDITIONS, 7-9 °F @ THE SERV. VLV. - 100 % DEMAND				
OUTDOOR TEMP. °F	TOTAL BTU/H	SENSIBLE BTU/H	LATENT BTU/H	TOTAL WATTS
75°	36,700	26,400	10,300	2,080
80°	36,300	26,500	9,800	2,210
85°	35,800	26,500	9,300	2,340
90°	35,000	26,300	8,700	2,485
95°	34,200	26,000	8,200	2,630
100°	33,300	25,600	7,700	2,790
105°	32,300	25,200	7,100	2,950
110°	31,500	25,500	6,000	3,140
115°	30,600	25,700	4,900	3,330
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	33,000	25,400	7,600	2,630

AVXC200601A* / CA*F4961*6D* + MBVC2000**-1A* + TXV DESIGN SUBCOOLING @ AHRI 95 °F CONDITIONS, 7-9 °F @ THE SERV. VLV. - 100% DEMAND				
OUTDOOR TEMP. °F	TOTAL BTU/H	SENSIBLE BTU/H	LATENT BTU/H	TOTAL WATTS
75°	56,900	39,800	17,100	3,210
80°	56,200	40,200	16,000	3,420
85°	55,500	40,500	15,000	3,630
90°	54,300	39,900	14,400	3,855
95°	53,000	39,200	13,800	4,080
100°	51,600	38,900	12,700	4,325
105°	50,100	38,600	11,500	4,570
110°	42,800	34,400	8,400	4,235
115°	35,500	30,200	5,300	3,900
TVA Conditions @ 95° OD DB, 75° ID, 63° ID WB				
95°	51,100	38,300	12,800	4,080

AVXC200241A* / CA*F3642*6D* + MBVC1200**-1A* + TXV DESIGN SUBCOOLING @ AHRI 95 °F CONDITIONS, 7-9 °F @ THE SERV. VLV. - BOOST MODE				
OUTDOOR TEMP. °F	TOTAL BTU/H	SENSIBLE BTU/H	LATENT BTU/H	TOTAL WATTS
75°	26,800	18,700	8,100	1,400
80°	26,300	18,500	7,800	1,500
85°	25,800	18,200	7,600	1,600
90°	25,300	18,000	7,300	1,600
<b>95°</b>	<b>24,800</b>	<b>17,800</b>	<b>7,000</b>	<b>1,700</b>
100°	24,300	17,500	6,800	1,800
105°	23,700	17,200	6,500	1,900
110°	23,200	16,900	6,300	2,000
115°	20,500	16,200	4,300	2,020
TVA CONDITIONS @ 95° OD DB, 75° ID, 63° ID WB				
95°	23,100	17,100	6,000	1,700

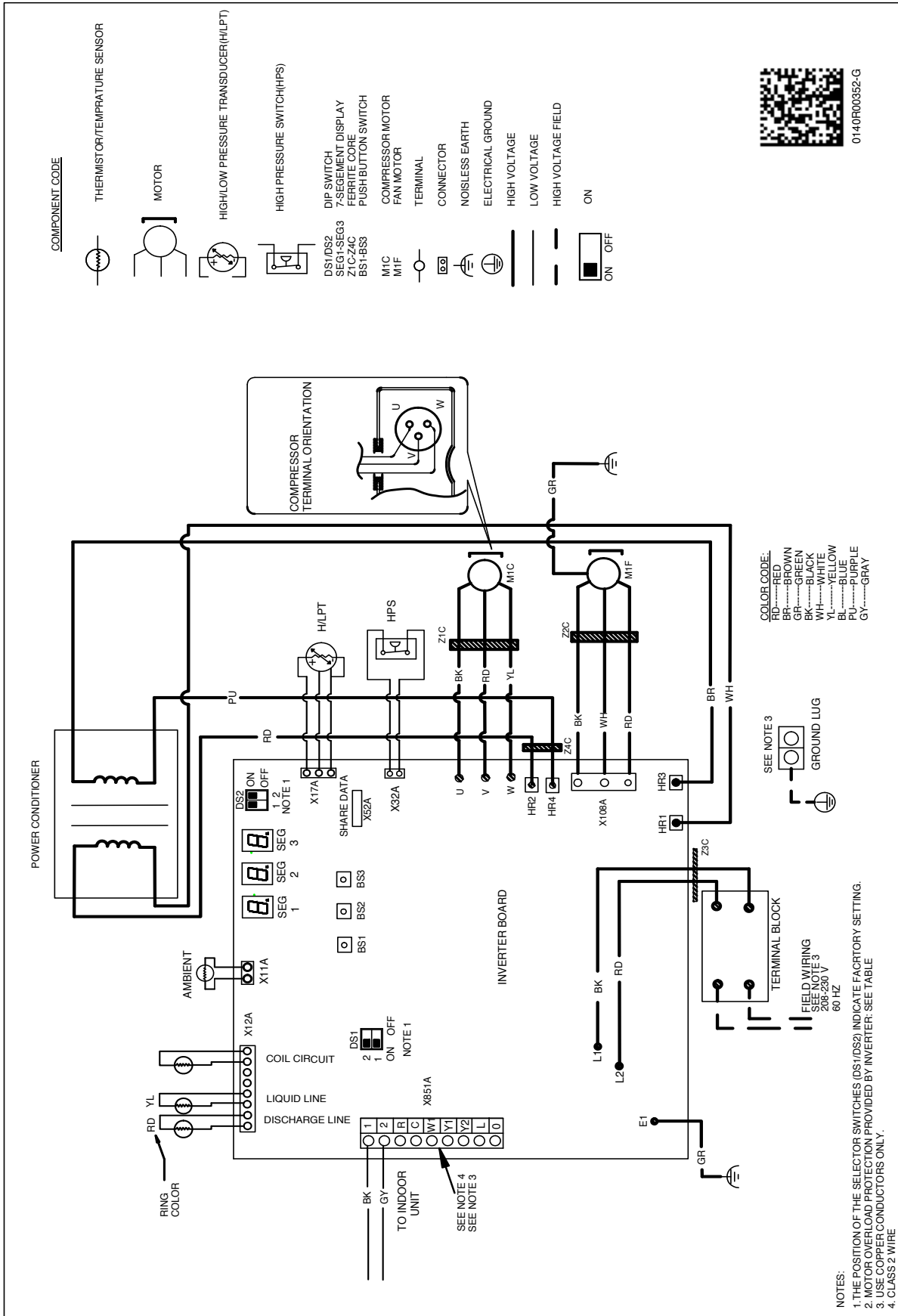
AVXC200481A* / CA*F4961*6D* + MBVC2000**-1A* + TXV DESIGN SUBCOOLING @ AHRI 95 °F CONDITIONS, 7-9 °F @ THE SERV. VLV. - BOOST MODE				
OUTDOOR TEMP. °F	TOTAL BTU/H	SENSIBLE BTU/H	LATENT BTU/H	TOTAL WATTS
75°	54,600	38,400	16,200	3,400
80°	53,300	37,800	15,500	3,600
85°	51,900	37,100	14,800	3,700
90°	50,600	36,400	14,200	3,900
<b>95°</b>	<b>49,200</b>	<b>35,700</b>	<b>13,500</b>	<b>4,100</b>
100°	47,800	35,000	12,800	4,300
105°	46,300	34,300	12,000	4,500
110°	44,800	33,500	11,300	4,800
115°	40,600	34,100	6,500	4,440
TVA CONDITIONS @ 95° OD DB, 75° ID, 63° ID WB				
95°	46,000	34,500	11,500	4,100

AVXC200361A* / CA*F3743*6D* + MBVC1600**-1A* + TXV DESIGN SUBCOOLING @ AHRI 95 °F CONDITIONS, 7-9 °F @ THE SERV. VLV. - BOOST MODE				
OUTDOOR TEMP. °F	TOTAL BTU/H	SENSIBLE BTU/H	LATENT BTU/H	TOTAL WATTS
75°	40,000	29,100	10,900	2,300
80°	39,300	28,800	10,500	2,400
85°	38,500	28,400	10,100	2,600
90°	37,600	28,000	9,600	2,700
<b>95°</b>	<b>36,500</b>	<b>27,500</b>	<b>9,000</b>	<b>2,900</b>
100°	35,400	27,100	8,300	3,000
105°	34,300	26,500	7,800	3,100
110°	33,100	26,200	6,900	3,300
115°	30,600	25,700	4,900	3,330
TVA CONDITIONS @ 95° OD DB, 75° ID, 63° ID WB				
95°	34,200	26,600	7,600	2,800

AVXC200601A* / CA*F4961*6D* + MBVC2000**-1A* + TXV DESIGN SUBCOOLING @ AHRI 95 °F CONDITIONS, 7-9 °F @ THE SERV. VLV. - BOOST MODE				
OUTDOOR TEMP. °F	TOTAL BTU/H	SENSIBLE BTU/H	LATENT BTU/H	TOTAL WATTS
75°	63,600	44,700	18,900	3,800
80°	62,100	44,100	18,000	4,000
85°	60,600	43,300	17,300	4,300
90°	59,000	42,600	16,400	4,500
<b>95°</b>	<b>57,500</b>	<b>41,800</b>	<b>15,700</b>	<b>4,800</b>
100°	55,900	41,100	14,800	5,000
105°	50,100	38,600	11,500	4,570
110°	42,800	34,400	8,400	4,235
115°	35,500	30,200	5,300	3,900
TVA CONDITIONS @ 95° OD DB, 75° ID, 63° ID WB				
95°	53,800	40,500	13,300	4,700

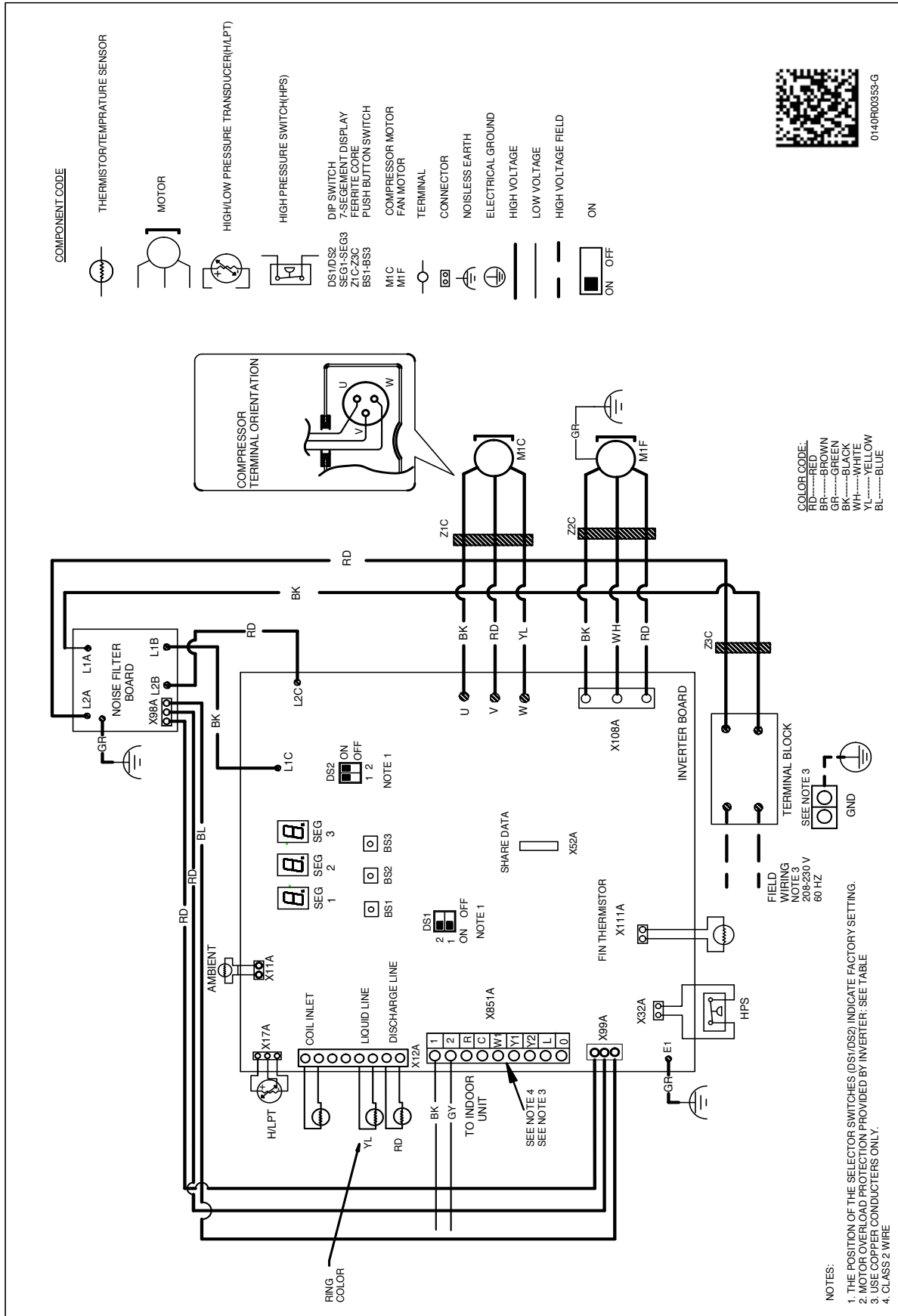
TONNAGE	SPEED	TOTAL UNIT SOUND RATING (dBA)	OCTAVE BAND SPECTRUM FREQUENCY (Hz) ANALYSIS (DBs)						
			125	250	500	1000	2000	4000	8000
2-ton	Minimum	59	54.6	54.7	56.0	55.0	49.2	48.1	38.0
	Intermediate	66	55.3	59.3	61.2	62.1	57.4	56.0	51.7
	Maximum	71	61.3	62.8	67.0	63.6	63.3	65.3	57.2
3-ton	Minimum	63	57.9	57.6	61.5	58.4	54.6	47.1	42.4
	Intermediate	66	59.5	56.0	58.6	62.9	56.4	57.6	50.3
	Maximum	74	61.9	64.6	68.9	67.4	69.1	64.6	55.2
4-ton	Minimum	64	61.2	56.8	60.1	58.6	54.9	53.1	59.0
	Intermediate	70	58.5	63.7	63.0	61.8	60.1	64.2	65.0
	Maximum	75	70.3	72.8	71.0	69.0	67.6	68.0	61.5
5-ton	Minimum	57	51.3	55.3	54.3	52.9	47.2	40.5	33.9
	Intermediate	65	58.6	57.8	63.0	59.6	60.0	51.7	43.8
	Maximum	75	71.2	66.5	74.2	69.1	68.4	62.0	53.2

**Note:** Tested in accordance with AHRI Standard 270.



**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.

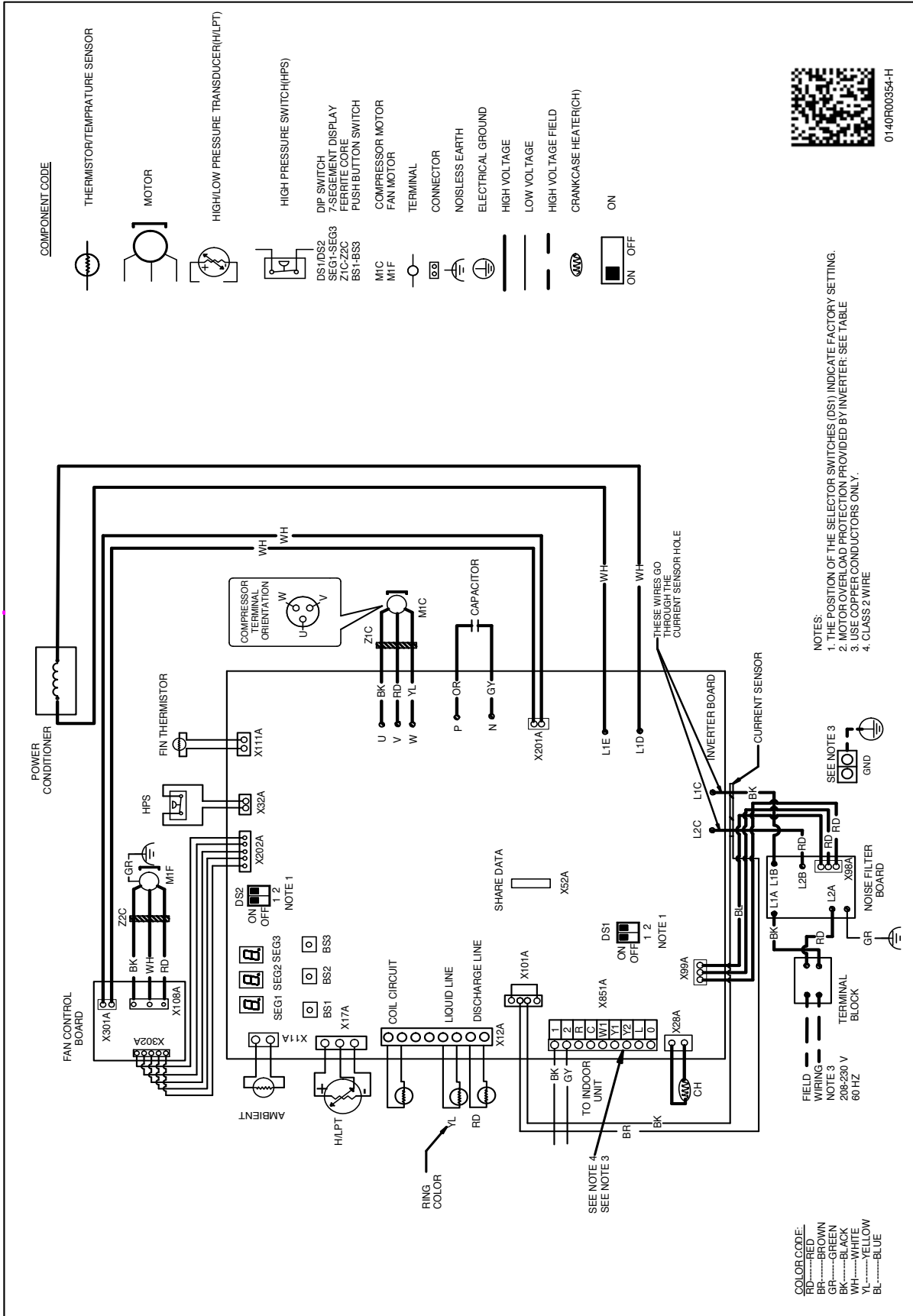


**WARNING**

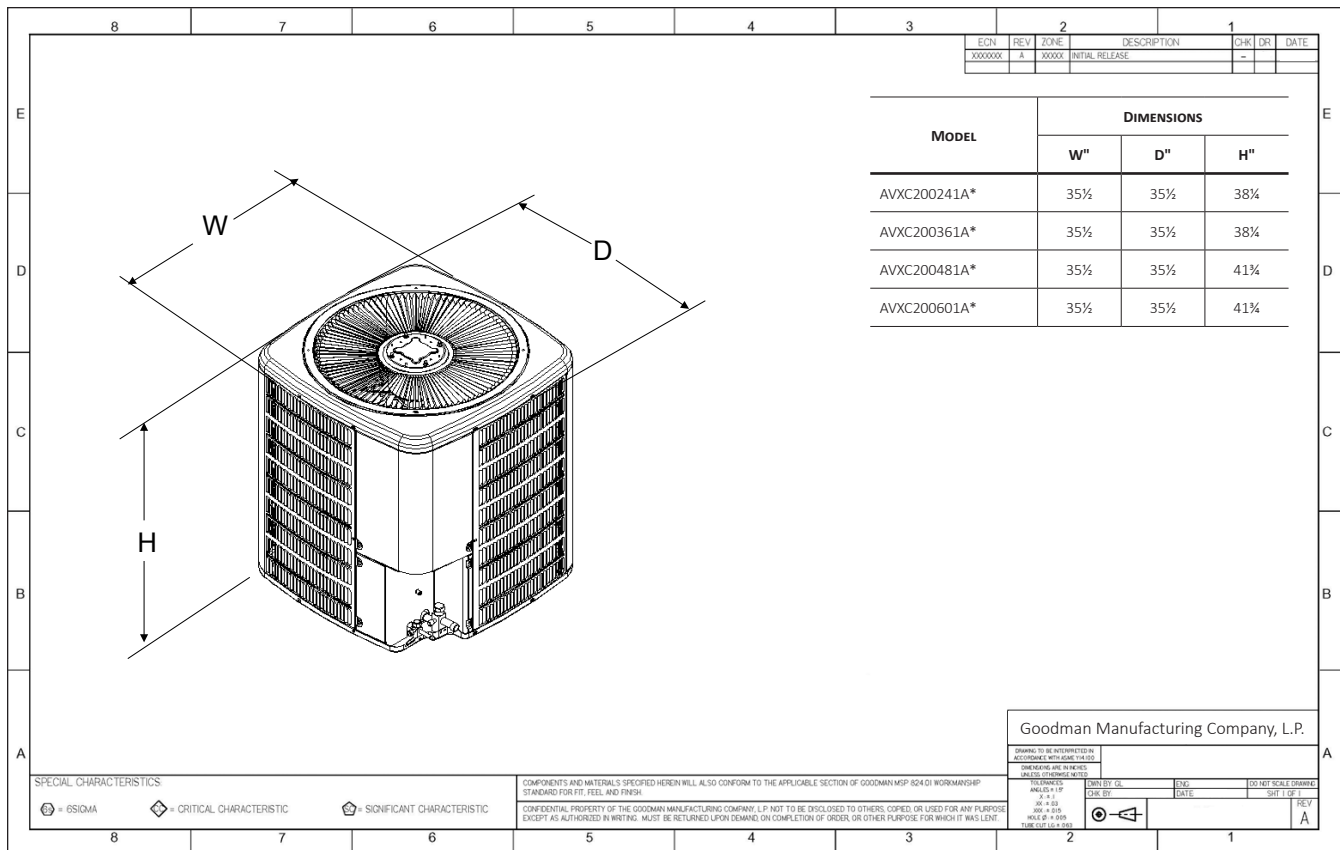
**High Voltage:** Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

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





## DIMENSIONS



## ACCESSORIES

MODEL	DESCRIPTION	AVXC20 0241A*	AVXC20 0361A*	AVXC20 0481A*	AVXC20 0601A*
ABK-20	Anchor Bracket Kit <sup>◇</sup>	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.**