

PRODUCT SPECIFICATIONS



13 SEER

1½ - 5 Tons

NOMINAL COOLING CAPACITY
18,000 TO 57,000 BTU/H



* Full warranty details available at www.goodmanmfg.com.

VSC13

SPLIT SYSTEM AIR CONDITIONER

The VSC13 Split System Air Conditioner features a GMC sound control top designed for quiet operation. In addition, the unit has an attractive louvered metal guard that protects the coil from damage plus a powder-paint finish that provides premium durability and improved UV protection.

Standard Features

- Energy-efficient compressor
- Quiet condenser fan system
- Factory-installed liquid line filter dryer
- Copper tube/aluminum fin coil
- R-22 refrigerant-charged for 15' of refrigerant lines
- Brass liquid and suction service valves with sweat connections
- Ground lug connection
- ARI Certified
- ETL Listed

Cabinet Features

- GMC sound control top designed for quiet operation
- Steel louver coil guard
- Heavy-gauge galvanized-steel cabinet
- Attractive Bahama Beige powder-paint finish with 500-hour salt-spray approval
- When properly anchored, meets the 2001 Florida Building Code unit integrity requirements for hurricane-type winds

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NOMENCLATURE

	V	S	C	13	036	1	A	A	
	1	2	3	4,5	6,7,8	9	10	11	
Brand	V								Engineering *
	GMC Product Family								Minor Revision
Product Category		S							Engineering *
		Split System							Major Revision
Unit Type			C						Electrical
			Condenser R-22				1	208/230 V, 1 Phase, 60 Hz	
			Heat Pump R-22				2	220/240 V, 1 Phase, 50 Hz	
Efficiency				13					Nominal Capacity
				13 SEER			018	1½ Tons	042 3½ Tons
							024	2 Tons	048 4 Tons
							030	2½ Tons	060 5 Tons
							036	3 Tons	

* Neither used for order entry or inventory management.

SPECIFICATIONS

	VSC13 0181A*	VSC13 0241A*	VSC13 0301A*	VSC13 0361A*	VSC13 0421A*	VSC13 0481A*	VSC13 0601A*
Cooling Capacities							
Nominal Cooling (BTU/h)	18,000	24,000	30,000	36,000	42,000	48,000	57,000
Decibels	76	76	76	76	76	76	77
Compressor							
RLA	6.8	7.7	9.7	12.2	14.7	16.9	25.0
LRA	40.0	40.0	49.0	73.0	77.0	86.0	148.0
Type	Rotary	Recip	Recip	Recip	Scroll	Recip	Scroll
Condenser Fan Motor							
Horsepower	1/6	1/6	1/6	1/6	¼	¼	1/6
FLA	1.5	1.5	1.5	1.5	1.8	1.8	1.1
Refrigeration System							
Refrigerant Line Size							
Liquid Line Size ("O.D.)	¾"	¾"	¾"	¾"	¾"	¾"	¾"
Suction Line Size ("O.D.)	¾"	¾"	¾"	7/8"	1 1/8"	1 1/8"	1 1/8"
Refrigerant Connection Size							
Liquid Valve Size ("O.D.)	¾"	¾"	¾"	¾"	¾"	¾"	¾"
Suction Valve Size ("O.D.) ³	¾"	¾"	¾"	¾" ³	7/8" ⁴	7/8" ⁴	7/8" ⁴
Valve Type	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat
Refrigerant Charge	82	83	106	119	137	147.0	169
Shipped with Orifice Size	0.055	---	---	---	---	0.082	---
Electrical Data							
AC Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230
Hz / Phase	60 Hz/ 1	60 Hz/ 1	60 Hz/ 1	60 Hz/ 1	60 Hz/ 1	60 Hz/ 1	60 Hz/ 1
Min. Circuit Ampacity ¹	9.98	11.2	13.6	16.8	20.2	22.7	32.3
Max. Overcurrent Device ²	15	15	20	25	30	40.0	50
Min / Max Volts	197/253	197/253	197/253	197/253	197/253	197/253	197/253
Electrical Conduit Size	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"
Ship Weight (lbs)	141	150	195	199	199	198	242

¹ Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require larger wire sizes

² Must use time-delay fuses or HACR-type circuit breakers of the same size as noted.

³ Installer will need to supply ¾" to 7/8" adapters for suction line connections.

⁴ Installer will need to supply 7/8" to 1 1/8" adapters for suction line connections.

Notes

- Always check the S&R plate for electrical data on the unit being installed.
- Unit is charged with refrigerant for 15' of ¾" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.

EXPANDED COOLING DATA — VSC130181A***

		Outdoor Ambient Temperature												115°F																	
		65°F						75°F						85°F						95°F						105°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	59	63	67	71		
70	675	MBh	18.6	19.3	21.1	-	18.2	18.8	20.7	-	17.8	18.4	20.2	-	17.3	18.0	19.7	-	16.5	17.1	18.7	-	15.2	15.8	17.3	-	15.2	15.8	17.3	-	
		S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-	0.84	0.70	0.49	-	
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-	17	15	11	-	
		kW	1.31	1.33	1.37	-	1.40	1.43	1.47	-	1.48	1.51	1.56	-	1.55	1.59	1.63	-	1.62	1.65	1.70	-	1.67	1.70	1.76	-	1.67	1.70	1.76	-	
		Amps	4.7	4.8	4.9	-	5.0	5.2	5.3	-	5.5	5.6	5.8	-	5.8	6.0	6.2	-	6.2	6.3	6.5	-	6.5	6.7	6.9	-	6.5	6.7	6.9	-	
		Hi PR	137	147	155	-	153	165	174	-	174	188	198	-	199	214	226	-	223	240	254	-	247	266	281	-	247	266	281	-	
	600	Lo PR	62	66	72	-	66	70	76	-	68	73	79	-	72	76	83	-	75	80	87	-	78	83	90	-	78	83	90	-	
		MBh	18.1	18.7	20.5	-	17.7	18.3	20.0	-	17.2	17.9	19.6	-	16.8	17.4	19.1	-	16.0	16.6	18.1	-	14.8	15.3	16.8	-	14.8	15.3	16.8	-	
		S/T	0.70	0.58	0.40	-	0.72	0.61	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-	0.80	0.67	0.46	-	
		ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	-	18	16	12	-	
		kW	1.30	1.32	1.36	-	1.39	1.42	1.46	-	1.47	1.50	1.55	-	1.54	1.57	1.62	-	1.60	1.64	1.69	-	1.66	1.69	1.74	-	1.66	1.69	1.74	-	
		Amps	4.6	4.7	4.9	-	5.0	5.1	5.3	-	5.4	5.5	5.7	-	5.8	5.9	6.1	-	6.1	6.3	6.5	-	6.5	6.6	6.9	-	6.5	6.6	6.9	-	
	525	Hi PR	135	146	154	-	152	163	172	-	173	186	196	-	197	212	223	-	221	238	251	-	244	263	278	-	244	263	278	-	
		Lo PR	61	65	71	-	65	69	75	-	67	72	78	-	71	75	82	-	74	79	86	-	77	82	89	-	77	82	89	-	
MBh		16.7	17.3	18.9	-	16.3	16.9	18.5	-	15.9	16.5	18.1	-	15.5	16.1	17.6	-	14.7	15.3	16.7	-	13.7	14.2	15.5	-	13.7	14.2	15.5	-		
S/T		0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.77	0.65	0.45	-	0.77	0.65	0.45	-		
ΔT		20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-	19	16	12	-		
kW		1.27	1.30	1.33	-	1.36	1.39	1.43	-	1.44	1.47	1.51	-	1.51	1.54	1.58	-	1.57	1.60	1.65	-	1.62	1.65	1.70	-	1.62	1.65	1.70	-		

		Outdoor Ambient Temperature												115°F												115°F							
		65°F						75°F						85°F						95°F						105°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	59	63	67	71		
675	MBh	18.9	19.5	21.1	22.6	18.5	19.0	20.6	22.1	18.1	18.6	20.1	21.6	17.6	18.1	19.6	21.1	16.7	17.2	18.6	20.0	15.5	16.0	17.3	18.5	15.5	16.0	17.3	18.5	15.5	16.0	17.3	18.5
	S/T	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.38	0.89	0.79	0.60	0.39	0.91	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42	0.96	0.86	0.65	0.42	0.96	0.86	0.65	0.42
	ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	20	17	11	22	20	16	11	20	19	15	11	20	19	15	11	20	19	15	11
	kW	1.32	1.34	1.38	1.42	1.41	1.44	1.48	1.53	1.49	1.52	1.57	1.62	1.57	1.60	1.65	1.70	1.63	1.66	1.71	1.77	1.68	1.72	1.77	1.83	1.68	1.72	1.77	1.83	1.68	1.72	1.77	1.83
	Amps	4.7	4.8	5.0	5.2	5.1	5.2	5.4	5.6	5.5	5.6	5.8	6.0	5.9	6.0	6.2	6.4	6.2	6.4	6.6	6.8	6.6	6.8	7.0	7.2	6.6	6.8	7.0	7.2	6.6	6.8	7.0	7.2
	Hi PR	138	149	157	164	155	167	176	184	176	190	200	209	201	216	228	238	226	243	256	268	249	268	283	296	249	268	283	296	249	268	283	296
	Lo PR	63	67	73	78	66	70	77	82	69	73	80	85	72	77	84	89	76	81	88	94	78	83	91	97	78	83	91	97	78	83	91	97
600	MBh	18.4	18.9	20.5	22.0	18.0	18.5	20.0	21.5	17.5	18.0	19.5	21.0	17.1	17.6	19.1	20.5	16.2	16.7	18.1	19.4	15.0	15.5	16.8	18.0	15.0	15.5	16.8	18.0	15.0	15.5	16.8	18.0
	S/T	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.82	0.62	0.40	0.91	0.82	0.62	0.40	0.91	0.82	0.62	0.40
	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	21	19	16	11	21	19	16	11
	kW	1.31	1.33	1.37	1.41	1.40	1.43	1.47	1.52	1.48	1.51	1.56	1.61	1.55	1.59	1.64	1.69	1.62	1.65	1.70	1.75	1.67	1.70	1.76	1.81	1.67	1.70	1.76	1.81	1.67	1.70	1.76	1.81
	Amps	4.7	4.8	4.9	5.1	5.0	5.2	5.3	5.5	5.5	5.6	5.8	6.0	5.8	6.0	6.2	6.4	6.2	6.3	6.5	6.8	6.5	6.7	6.9	7.2	6.5	6.7	6.9	7.2	6.5	6.7	6.9	7.2
	Hi PR	137	147	155	162	153	165	174	182	174	188	198	207	199	214	226	235	223	240	254	265	247	266	281	293	247	266	281	293	247	266	281	293
	Lo PR	62	66	72	77	66	70	76	81	68	73	79	84	72	76	83	89	75	80	87	93	78	83	90	96	78	83	90	96	78	83	90	96
525	MBh	17.0	17.5	18.9	20.3	16.6	17.1	18.5	19.8	16.2	16.7	18.0	19.4	15.8	16.3	17.6	18.9	15.0	15.4	16.7	17.9	13.9	14.3	15.5	16.6	13.9	14.3	15.5	16.6	13.9	14.3	15.5	16.6
	S/T	0.77	0.69	0.52	0.33	0.79	0.71	0.54	0.35	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.88	0.79	0.60	0.38	0.88	0.79	0.60	0.38	0.88	0.79	0.60	0.38
	ΔT	23	21	17	12	23	21	17	12	23	21	17	12	23	21	18	12	23	21	17	12	21	20	16	11	21	20	16	11	21	20	16	11
	kW	1.28	1.31	1.34	1.38	1.37	1.40	1.44	1.48	1.45	1.48	1.52	1.57	1.52	1.55	1.60	1.65	1.58	1.61	1.66	1.71	1.63	1.66	1.71	1.77	1.63	1.66	1.71	1.77	1.63	1.66	1.71	1.77
	Amps	4.5	4.7	4.8	5.0	4.9	5.0	5.2	5.4	5.3	5.4	5.6	5.8	5.7	5.8	6.0	6.2	6.0	6.2	6.4	6.6	6.4	6.5	6.7	7.0	6.4	6.5	6.7	7.0	6.4	6.5	6.7	7.0
	Hi PR	133	143	151	157	149	160	169	176	169	182	192	201	193	207	219	228	217	233	246	257	239	258	272	284	239	258	272	284	239	258	272	284
	Lo PR	60	64	70	74	64	68	74	79	66	70	77	82	69	74	81	86	73	77	85	90	75	80	87	93	75	80	87	93	75	80	87	93

EXPANDED COOLING DATA — VSC130181A*** (CONT.)

		Outdoor Ambient Temperature																											
		65°F				75°F				85°F				95°F				105°F				115°F							
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	59	63	67	71
80	MBh	19.3	19.7	21.0	22.5	18.8	19.2	20.5	22.0	18.4	18.8	20.1	21.4	17.9	18.3	19.6	20.9	17.0	17.4	18.6	19.9	15.8	16.1	17.2	18.4	15.8	16.1	17.2	18.4
	S/T	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	1.00	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	1.00	0.79	0.59	1.00	1.00	0.80	0.60	1.00	1.00	0.80	0.60
	ΔT	24	23	20	16	24	23	20	16	25	23	20	16	24	23	20	16	23	24	20	16	21	22	19	15	21	22	19	15
	kW	1.33	1.35	1.39	1.44	1.42	1.45	1.49	1.54	1.51	1.54	1.58	1.63	1.58	1.61	1.66	1.71	1.64	1.68	1.73	1.78	1.69	1.73	1.78	1.84	1.69	1.73	1.78	1.84
	Amps	4.8	4.9	5.0	5.2	5.1	5.2	5.4	5.6	5.6	5.7	5.9	6.1	5.9	6.1	6.3	6.5	6.3	6.5	6.7	6.9	6.7	6.8	7.1	7.3	6.7	6.8	7.1	7.3
	Hi PR	139	150	158	165	156	168	178	185	178	191	202	211	203	218	230	240	228	245	259	270	252	271	286	299	252	271	286	299
	Lo PR	63	67	74	78	67	71	78	83	70	74	81	86	73	78	85	90	77	81	89	95	79	84	92	98	79	84	92	98
	MBh	18.7	19.1	20.4	21.8	18.3	18.7	20.0	21.3	17.8	18.2	19.5	20.8	17.4	17.8	19.0	20.3	16.5	16.9	18.1	19.3	15.3	15.6	16.7	17.9	15.3	15.6	16.7	17.9
	S/T	0.87	0.82	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57	1.00	0.94	0.76	0.57
	ΔT	25	24	21	17	25	24	21	17	25	24	21	17	26	24	21	17	25	24	21	17	23	23	20	16	23	23	20	16
600	kW	1.32	1.34	1.38	1.42	1.41	1.44	1.48	1.53	1.49	1.52	1.57	1.62	1.57	1.60	1.65	1.70	1.63	1.66	1.71	1.77	1.68	1.72	1.77	1.83	1.68	1.72	1.77	1.83
	Amps	4.7	4.8	5.0	5.2	5.1	5.2	5.4	5.6	5.5	5.6	5.8	6.0	5.9	6.0	6.2	6.4	6.2	6.4	6.6	6.8	6.6	6.8	7.0	7.2	6.6	6.8	7.0	7.2
	Hi PR	138	149	157	164	155	167	176	184	176	190	200	209	201	216	228	238	226	243	257	268	249	268	283	296	249	268	283	296
	Lo PR	63	67	73	78	66	70	77	82	69	73	80	85	72	77	84	89	76	81	88	94	78	83	91	97	78	83	91	97
	MBh	17.3	17.6	18.9	20.2	16.9	17.2	18.4	19.7	16.5	16.8	18.0	19.2	16.1	16.4	17.5	18.7	15.3	15.6	16.7	17.8	14.1	14.4	15.4	16.5	14.1	14.4	15.4	16.5
	S/T	0.84	0.79	0.64	0.48	0.87	0.82	0.67	0.50	0.89	0.84	0.68	0.51	0.92	0.86	0.70	0.53	0.96	0.90	0.73	0.55	0.97	0.91	0.74	0.55	0.97	0.91	0.74	0.55
	ΔT	25	24	21	17	26	25	21	17	26	25	21	17	26	25	22	17	26	25	21	17	24	23	20	16	24	23	20	16
	kW	1.29	1.31	1.35	1.39	1.38	1.41	1.45	1.49	1.46	1.49	1.53	1.58	1.53	1.56	1.61	1.66	1.59	1.62	1.67	1.73	1.64	1.68	1.73	1.78	1.64	1.68	1.73	1.78
	Amps	4.6	4.7	4.8	5.0	4.9	5.1	5.2	5.4	5.4	5.5	5.7	5.9	5.7	5.9	6.0	6.3	6.1	6.2	6.4	6.7	6.4	6.6	6.8	7.1	6.4	6.6	6.8	7.1
	Hi PR	134	144	152	159	150	162	171	178	171	184	194	203	195	209	221	231	219	236	249	260	242	260	275	287	242	260	275	287
Lo PR	61	65	71	75	64	68	75	79	67	71	78	83	70	75	81	87	74	78	85	91	76	81	88	94	76	81	88	94	

85	MBh	19.6	20.0	20.9	22.3	19.2	19.5	20.4	21.8	18.7	19.1	20.0	21.3	18.2	18.6	19.5	20.8	17.3	17.7	18.5	19.7	16.1	16.4	17.1	18.3	16.1	16.4	17.1	18.3	16.1
	S/T	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78	1.00	1.00	0.96	0.78	1.00
	ΔT	26	25	24	21	26	25	24	21	25	26	24	21	25	25	24	21	24	24	24	21	22	22	22	19	22	22	22	19	22
	kW	1.34	1.36	1.40	1.45	1.43	1.46	1.51	1.55	1.52	1.55	1.59	1.64	1.59	1.62	1.67	1.73	1.65	1.69	1.74	1.80	1.71	1.74	1.80	1.86	1.71	1.74	1.80	1.86	1.71
	Amps	4.8	4.9	5.1	5.2	5.2	5.3	5.5	5.7	5.6	5.7	5.9	6.1	6.0	6.1	6.3	6.6	6.4	6.5	6.7	7.0	6.7	6.9	7.1	7.4	6.7	6.9	7.1	7.4	6.7
	Hi PR	141	152	160	167	158	170	180	187	180	193	204	213	205	220	233	243	230	248	262	273	254	274	289	302	254	274	289	302	254
	Lo PR	64	68	74	79	68	72	78	84	70	75	82	87	74	78	86	91	77	82	90	96	80	85	93	99	80	85	93	99	80
	MBh	19.0	19.4	20.3	21.7	18.6	19.0	19.9	21.2	18.2	18.5	19.4	20.7	17.7	18.1	18.9	20.2	16.8	17.1	18.0	19.2	15.6	15.9	16.6	17.7	15.6	15.9	16.6	17.7	15.6
	S/T	0.91	0.88	0.80	0.65	0.95	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.91	0.74	1.00	1.00	0.91	0.74	1.00
	ΔT	27	26	25	21	27	27	25	22	27	27	25	22	27	27	25	22	26	26	25	22	24	24	23	20	24	24	23	20	24
	kW	1.33	1.35	1.39	1.44	1.42	1.45	1.49	1.54	1.51	1.54	1.58	1.63	1.58	1.61	1.66	1.71	1.64	1.68	1.73	1.78	1.69	1.73	1.78	1.84	1.69	1.73	1.78	1.84	1.69
600	Amps	4.8	4.9	5.0	5.2	5.1	5.2	5.4	5.6	5.6	5.7	5.9	6.1	5.9	6.1	6.3	6.5	6.3	6.5	6.7	6.9	6.7	6.8	7.1	7.3	6.7	6.8	7.1	7.3	6.7
	Hi PR	139	150	158	165	156	168	178	185	178	191	202	211	203	218	230	240	228	245	259	270	252	271	286	299	252	271	286	299	252
	Lo PR	63	67	74	78	67	71	78	83	70	74	81	86	73	78	85	90	77	81	89	95	79	84	92	98	79	84	92	98	79
	MBh	17.6	17.9	18.8	20.0	17.2	17.5	18.3	19.5	16.8	17.1	17.9	19.1	16.3	16.7	17.4	18.6	15.5	15.8	16.6	17.7	14.4	14.7	15.4	16.4	14.4	14.7	15.4	16.4	14.4
	S/T	0.88	0.85	0.77	0.62	0.91	0.88	0.80	0.65	0.94	0.90	0.82	0.66	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.98	0.88	0.71	1.00	0.98	0.88	0.71	1.00
	ΔT	27	27	25	22	27	27	26	22	27	27	26	22	28	27	26	22	27	27	25	22	25	25	24	21	25	25	24	21	25
	kW	1.30	1.32	1.36	1.40	1.39	1.42	1.46	1.50	1.47	1.50	1.55	1.59	1.54	1.57	1.62	1.67	1.60	1.64	1.69	1.74	1.65	1.69	1.74	1.80	1.65	1.69	1.74	1.80	1.65
	Amps	4.6	4.7	4.9	5.1	5.0	5.1	5.3	5.5	5.4	5.5	5.7	5.9	5.8	5.9	6.1	6.3	6.1	6.3	6.5	6.7	6.5	6.6	6.9	7.1	6.5	6.6	6.9	7.1	6.5
	Hi PR	135	146	154	160	152	163	172	180	173	186	196	205	197	212	223	233	221	238	251	262	244	263	278	290	244	263	278	290	244
	Lo PR	61	65	71	76	65	69	75	80	67	72	78	83	71	75	82	88	74	79	86	92	77	82	89	95	77	82	89	95	77

IDB: Entering Indoor Dry Bulb Temperature
High and low pressures are measured at the liquid and suction service valves.

Shaded area reflects ARI conditions

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

EXPANDED COOLING DATA — VSC130241A***

IDB		Outdoor Ambient Temperature																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
		Entering Indoor Wet Bulb Temperature																																			
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	59	63	67	71	59	63	67	71					
70	MBh	23.3	24.1	26.4	-	22.7	23.5	25.8	-	22.2	23.0	25.2	-	21.6	22.4	24.6	-	20.6	21.3	23.3	-	19.0	19.7	21.6	-	18.2	18.9	20.8	-	17.0	17.7	19.6	-				
	S/T	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.45	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-	0.82	0.69	0.48	-	0.82	0.69	0.48	-				
	ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	11	-	16	14	11	-	16	14	11	-				
	kW	1.65	1.69	1.74	-	1.77	1.81	1.87	-	1.88	1.92	1.98	-	1.97	2.02	2.08	-	2.05	2.10	2.16	-	2.12	2.17	2.24	-	2.12	2.17	2.24	-	2.12	2.17	2.24	-				
	Amps	6.0	6.1	6.3	-	6.5	6.6	6.9	-	7.0	7.2	7.5	-	7.5	7.7	8.0	-	8.0	8.2	8.5	-	8.5	8.7	9.0	-	8.5	8.7	9.0	-	8.5	8.7	9.0	-				
	Hi PR	137	148	156	-	154	166	175	-	175	189	199	-	200	215	227	-	224	242	255	-	248	267	282	-	248	267	282	-	248	267	282	-				
	Lo PR	60	64	70	-	63	67	74	-	66	70	76	-	69	74	80	-	72	77	84	-	75	80	87	-	75	80	87	-	75	80	87	-				
	MBh	22.6	23.4	25.6	-	22.1	22.9	25.0	-	21.5	22.3	24.4	-	21.0	21.8	23.9	-	20.0	20.7	22.7	-	18.5	19.2	21.0	-	18.5	19.2	21.0	-	18.5	19.2	21.0	-				
	S/T	0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.78	0.66	0.45	-	0.78	0.66	0.45	-	0.78	0.66	0.45	-				
	ΔT	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-	17	14	11	-	17	14	11	-				
	kW	1.64	1.67	1.72	-	1.76	1.80	1.85	-	1.87	1.90	1.96	-	1.96	2.00	2.06	-	2.04	2.08	2.15	-	2.11	2.15	2.22	-	2.11	2.15	2.22	-	2.11	2.15	2.22	-				
	Amps	5.9	6.1	6.3	-	6.4	6.6	6.8	-	7.0	7.1	7.4	-	7.5	7.6	7.9	-	7.9	8.1	8.4	-	8.4	8.6	8.9	-	8.4	8.6	8.9	-	8.4	8.6	8.9	-				
	Hi PR	136	146	154	-	152	164	173	-	173	187	197	-	198	213	224	-	222	239	253	-	246	264	279	-	246	264	279	-	246	264	279	-				
	Lo PR	59	63	69	-	63	67	73	-	65	69	76	-	68	73	80	-	72	76	83	-	74	79	86	-	74	79	86	-	74	79	86	-				
700	MBh	20.8	21.6	23.7	-	20.4	21.1	23.1	-	19.9	20.6	22.6	-	19.4	20.1	22.0	-	18.4	19.1	20.9	-	17.1	17.7	19.4	-	17.1	17.7	19.4	-	17.1	17.7	19.4	-				
	S/T	0.66	0.55	0.38	-	0.68	0.57	0.40	-	0.70	0.58	0.41	-	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.76	0.63	0.44	-	0.76	0.63	0.44	-	0.76	0.63	0.44	-				
	ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-	17	15	11	-				
	kW	1.60	1.64	1.68	-	1.72	1.75	1.81	-	1.82	1.86	1.92	-	1.91	1.95	2.01	-	1.99	2.03	2.09	-	2.05	2.10	2.16	-	2.05	2.10	2.16	-	2.05	2.10	2.16	-				
	Amps	5.8	5.9	6.1	-	6.2	6.4	6.6	-	6.8	7.0	7.2	-	7.3	7.4	7.7	-	7.7	7.9	8.2	-	8.2	8.4	8.7	-	8.2	8.4	8.7	-	8.2	8.4	8.7	-				
	Hi PR	132	142	150	-	148	159	168	-	168	181	191	-	192	206	218	-	216	232	245	-	238	256	271	-	238	256	271	-	238	256	271	-				
	Lo PR	58	61	67	-	61	65	71	-	63	67	73	-	66	71	77	-	70	74	81	-	72	77	84	-	72	77	84	-	72	77	84	-				

		Outdoor Ambient Temperature												115°F												115°F							
		65°F						75°F						85°F						95°F						105°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	59	63	67	71	59	63	67	71
900	MBh	23.7	24.4	26.4	28.3	23.1	23.8	25.7	27.6	22.6	23.2	25.1	27.0	22.0	22.7	24.5	26.3	20.9	21.5	23.3	25.0	19.4	19.9	21.6	23.2	19.4	19.9	21.6	23.2	19.4	19.9	21.6	23.2
	S/T	0.81	0.73	0.55	0.35	0.84	0.76	0.57	0.37	0.87	0.77	0.59	0.38	0.89	0.80	0.60	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41	0.94	0.84	0.63	0.40	0.94	0.84	0.63	0.41
	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	18	17	14	10	18	17	14	10
	kW	1.67	1.70	1.75	1.80	1.79	1.82	1.88	1.94	1.90	1.93	1.99	2.06	1.99	2.03	2.10	2.16	2.07	2.11	2.18	2.25	2.14	2.19	2.26	2.33	2.14	2.19	2.26	2.33	2.14	2.19	2.26	2.33
	Amps	6.0	6.2	6.4	6.6	6.5	6.7	6.9	7.2	7.1	7.3	7.5	7.8	7.6	7.8	8.0	8.4	8.1	8.3	8.6	8.9	8.6	8.8	9.1	9.4	8.6	8.8	9.1	9.4	8.6	8.8	9.1	9.4
	Hi PR	139	149	158	164	156	167	177	184	177	190	201	210	202	217	229	239	227	244	258	269	251	270	285	297	251	270	285	297	251	270	285	297
Lo PR	61	64	70	75	64	68	74	79	66	71	77	82	70	74	81	86	73	78	85	91	76	81	88	94	76	81	88	94	76	81	88	94	
800	MBh	23.0	23.6	25.6	27.5	22.4	23.1	25.0	26.8	21.9	22.5	24.4	26.2	21.4	22.0	23.8	25.5	20.3	20.9	22.6	24.3	18.8	19.4	20.9	22.5	18.8	19.4	20.9	22.5	18.8	19.4	20.9	22.5
	S/T	0.78	0.69	0.53	0.34	0.81	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.39	0.89	0.80	0.60	0.39	0.89	0.80	0.60	0.39	0.89	0.80	0.60	0.39
	ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10	19	18	15	10	19	18	15	10
	kW	1.65	1.69	1.74	1.79	1.77	1.81	1.87	1.92	1.88	1.92	1.98	2.04	1.97	2.02	2.08	2.15	2.05	2.10	2.16	2.23	2.12	2.17	2.24	2.31	2.12	2.17	2.24	2.31	2.12	2.17	2.24	2.31
	Amps	6.0	6.1	6.3	6.6	6.5	6.6	6.9	7.1	7.0	7.2	7.5	7.7	7.5	7.7	8.0	8.3	8.0	8.2	8.5	8.8	8.5	8.7	9.0	9.4	8.5	8.7	9.0	9.4	8.5	8.7	9.0	9.4
	Hi PR	137	148	156	163	154	166	175	183	175	189	199	208	200	215	227	237	224	242	255	266	248	267	282	294	248	267	282	294	248	267	282	294
Lo PR	60	64	70	74	63	67	74	78	66	70	76	81	69	74	80	86	72	77	84	90	75	80	87	93	75	80	87	93	75	80	87	93	
700	MBh	21.2	21.8	23.6	25.4	20.7	21.3	23.1	24.8	20.2	20.8	22.5	24.2	19.7	20.3	22.0	23.6	18.7	19.3	20.9	22.4	17.3	17.9	19.3	20.8	17.3	17.9	19.3	20.8	17.3	17.9	19.3	20.8
	S/T	0.75	0.67	0.51	0.33	0.78	0.69	0.53	0.34	0.80	0.71	0.54	0.35	0.82	0.73	0.56	0.36	0.85	0.76	0.58	0.37	0.86	0.77	0.58	0.37	0.86	0.77	0.58	0.37	0.86	0.77	0.58	0.37
	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	20	18	15	10	20	18	15	10
	kW	1.62	1.65	1.70	1.75	1.73	1.77	1.82	1.88	1.84	1.87	1.93	1.99	1.93	1.97	2.03	2.09	2.00	2.05	2.11	2.18	2.07	2.12	2.18	2.25	2.07	2.12	2.18	2.25	2.07	2.12	2.18	2.25
	Amps	5.8	6.0	6.2	6.4	6.3	6.5	6.7	6.9	6.8	7.0	7.2	7.5	7.3	7.5	7.8	8.0	7.8	8.0	8.3	8.6	8.3	8.5	8.8	9.1	8.3	8.5	8.8	9.1	8.3	8.5	8.8	9.1
	Hi PR	133	143	151	158	149	161	170	177	170	183	193	201	194	208	220	229	218	234	247	258	241	259	273	285	241	259	273	285	241	259	273	285
Lo PR	58	62	68	72	61	65	71	76	64	68	74	79	67	71	78	83	70	75	82	87	73	77	84	90	73	77	84	90	73	77	84	90	

EXPANDED COOLING DATA — VSC130241A*** (CONT.)

		Outdoor Ambient Temperature																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
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	59	63	67	71								
80		MBh	24.1	24.6	26.3	28.1	23.5	24.0	25.7	27.4	23.0	23.5	25.1	26.8	22.4	22.9	24.4	26.1	21.3	21.7	23.2	24.8	19.7	20.1	21.5	23.0	19.7	20.1	21.5	23.0							
		S/T	0.89	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.72	0.54	1.00	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	0.96	0.78	0.59	1.00	0.96	0.78	0.59							
		ΔT	22	21	18	15	22	21	19	15	22	21	19	15	23	21	19	15	22	21	18	15	20	20	17	14	20	20	17	14							
	900	kW	1.68	1.71	1.76	1.82	1.80	1.84	1.90	1.95	1.91	1.95	2.01	2.07	2.01	2.05	2.11	2.18	2.09	2.13	2.20	2.27	2.16	2.20	2.27	2.35	2.16	2.20	2.27	2.35							
		Amps	6.1	6.2	6.5	6.7	6.6	6.8	7.0	7.2	7.2	7.3	7.6	7.9	7.7	7.9	8.1	8.4	8.2	8.4	8.7	9.0	8.7	8.9	9.2	9.5	8.7	8.9	9.2	9.5							
		Hi PR	140	151	159	166	157	169	179	186	179	192	203	212	204	219	231	241	229	246	260	271	253	272	288	300	253	272	288	300							
		Lo PR	61	65	71	76	65	69	75	80	67	71	78	83	71	75	82	87	74	79	86	91	76	81	89	95	76	81	89	95							
		MBh	23.4	23.9	25.5	27.3	22.8	23.3	24.9	26.6	22.3	22.8	24.3	26.0	21.7	22.2	23.7	25.4	20.7	21.1	22.5	24.1	19.1	19.5	20.9	22.3	19.1	19.5	20.9	22.3							
		S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.69	0.52	0.93	0.88	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56	0.98	0.92	0.75	0.56							
		ΔT	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	16	23	22	19	15	22	21	18	14	22	21	18	14							
	kW	1.67	1.70	1.75	1.80	1.79	1.82	1.88	1.94	1.90	1.93	1.99	2.06	1.99	2.03	2.10	2.16	2.07	2.11	2.18	2.25	2.14	2.19	2.26	2.33	2.14	2.19	2.26	2.33								
	Amps	6.0	6.2	6.4	6.6	6.5	6.7	6.9	7.2	7.1	7.3	7.5	7.8	7.6	7.8	8.0	8.4	8.1	8.3	8.6	8.9	8.6	8.8	9.1	9.4	8.6	8.8	9.1	9.4								
	Hi PR	139	149	158	164	156	167	177	184	177	190	201	210	202	217	229	239	227	244	258	269	251	270	285	297	251	270	285	297								
	Lo PR	61	64	70	75	64	68	74	79	66	71	77	82	70	74	81	86	73	78	85	91	76	81	88	94	76	81	88	94								
700		MBh	21.6	22.0	23.5	25.2	21.1	21.5	23.0	24.6	20.6	21.0	22.5	24.0	20.1	20.5	21.9	23.4	19.1	19.5	20.8	22.2	17.7	18.0	19.3	20.6	17.7	18.0	19.3	20.6							
		S/T	0.82	0.77	0.63	0.47	0.85	0.80	0.65	0.49	0.87	0.82	0.67	0.50	0.90	0.85	0.69	0.51	0.94	0.88	0.71	0.53	0.94	0.88	0.72	0.54	0.94	0.88	0.72	0.54							
		ΔT	23	22	19	15	24	23	20	16	24	23	20	16	24	23	20	16	23	22	20	16	22	21	18	15	22	21	18	15							
		kW	1.63	1.66	1.71	1.76	1.75	1.78	1.84	1.89	1.85	1.89	1.95	2.01	1.94	1.98	2.05	2.11	2.02	2.06	2.13	2.20	2.09	2.13	2.20	2.27	2.09	2.13	2.20	2.27							
		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	7.8	8.1	7.9	8.1	8.3	8.7	8.3	8.5	8.8	9.2	8.3	8.5	8.8	9.2							
		Hi PR	135	145	153	159	151	162	172	179	172	185	195	203	196	210	222	232	220	237	250	261	243	262	276	288	243	262	276	288							
		Lo PR	59	62	68	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	82	88	73	78	85	91	73	78	85	91							

85	900	MBh	24.5	25.0	26.1	27.9	23.9	24.4	25.5	27.2	23.4	23.8	24.9	26.6	22.8	23.2	24.3	25.9	21.6	22.1	23.1	24.7	20.0	20.4	21.4	22.8
		S/T	0.94	0.90	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.70	1.00	0.99	0.89	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.94	0.76
		ΔT	23	23	22	19	24	23	22	19	24	23	22	19	23	24	22	19	22	23	22	19	20	21	20	18
		kW	1.69	1.73	1.78	1.83	1.82	1.85	1.91	1.97	1.92	1.97	2.03	2.09	2.02	2.06	2.13	2.20	2.10	2.15	2.22	2.29	2.17	2.22	2.29	2.37
		Amps	6.2	6.3	6.5	6.8	6.7	6.8	7.0	7.3	7.2	7.4	7.7	8.0	7.7	7.9	8.2	8.5	8.2	8.4	8.7	9.1	8.7	9.0	9.3	9.6
		Hi PR	141	152	161	168	159	171	180	188	181	194	205	214	206	221	234	244	231	249	263	274	256	275	290	303
	Lo PR	62	66	72	76	65	69	76	81	68	72	79	84	71	76	83	88	75	79	87	92	77	82	90	96	
	800	MBh	23.8	24.2	25.4	27.1	23.2	23.7	24.8	26.5	22.7	23.1	24.2	25.8	22.1	22.5	23.6	25.2	21.0	21.4	22.4	23.9	19.5	19.8	20.8	22.2
		S/T	0.89	0.86	0.78	0.63	0.93	0.89	0.81	0.65	0.95	0.92	0.83	0.67	0.98	0.95	0.85	0.69	1.00	0.98	0.89	0.72	1.00	0.99	0.89	0.72
		ΔT	24	24	23	20	25	24	23	20	25	24	23	20	25	24	23	20	24	24	23	20	22	23	21	18
		kW	1.68	1.71	1.76	1.82	1.80	1.84	1.90	1.95	1.91	1.95	2.01	2.07	2.01	2.05	2.11	2.18	2.09	2.13	2.20	2.27	2.16	2.20	2.27	2.35
Amps		6.1	6.2	6.5	6.7	6.6	6.8	7.0	7.2	7.2	7.3	7.6	7.9	7.7	7.9	8.1	8.4	8.2	8.4	8.7	9.0	8.7	8.9	9.2	9.5	
Hi PR		140	151	159	166	157	169	179	186	179	192	203	212	204	219	231	241	229	246	260	271	253	272	288	300	
700	Lo PR	61	65	71	76	65	69	75	80	67	71	78	83	71	75	82	87	74	79	86	91	76	81	89	95	
	MBh	21.9	22.4	23.4	25.0	21.4	21.9	22.9	24.4	20.9	21.3	22.3	23.8	20.4	20.8	21.8	23.3	19.4	19.8	20.7	22.1	18.0	18.3	19.2	20.5	
	S/T	0.86	0.83	0.75	0.61	0.89	0.86	0.78	0.63	0.92	0.88	0.80	0.65	0.94	0.91	0.82	0.67	0.98	0.95	0.85	0.69	0.99	0.95	0.86	0.70	
	ΔT	25	24	23	20	25	25	23	20	25	25	23	20	25	25	24	20	25	25	23	20	23	23	22	19	
	kW	1.64	1.67	1.72	1.78	1.76	1.80	1.85	1.91	1.87	1.90	1.96	2.02	1.96	2.00	2.06	2.13	2.04	2.08	2.15	2.22	2.10	2.15	2.22	2.29	
	Amps	5.9	6.1	6.3	6.5	6.4	6.6	6.8	7.0	7.0	7.1	7.4	7.7	7.5	7.6	7.9	8.2	7.9	8.1	8.4	8.7	8.4	8.6	8.9	9.3	
IDB: Entering Indoor Dry Bulb Temperature High and low pressures are measured at the liquid and suction service valves.	Hi PR	136	146	154	161	152	164	173	181	173	187	197	205	197	213	224	234	222	239	252	263	245	264	279	291	
	Lo PR	59	63	69	73	63	67	73	78	65	69	76	81	68	73	79	85	72	76	83	89	74	79	86	92	
	Shaded area reflects ARI conditions																			Amps = outdoor unit amps (comp.+fan)						
	kW = Total system power																									

EXPANDED COOLING DATA — VSC130301A***

		Outdoor Ambient Temperature																							
		65°F				75°F				85°F				95°F				105°F				115°F			
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	MBh	28.4	29.5	32.3	-	27.8	28.8	31.5	-	27.1	28.1	30.8	-	26.4	27.4	30.0	-	25.1	26.0	28.5	-	23.3	24.1	26.4	-
	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	17	14	11	-	17	14	11	-	17	14	11	-	17	15	11	-	17	14	11	-	16	13	10	-
	kW	1.99	2.03	2.08	-	2.13	2.17	2.23	-	2.25	2.29	2.36	-	2.36	2.40	2.48	-	2.45	2.50	2.57	-	2.53	2.58	2.66	-
	Amps	7.0	7.1	7.4	-	7.5	7.7	8.0	-	8.2	8.4	8.6	-	8.7	8.9	9.2	-	9.3	9.5	9.8	-	9.8	10.1	10.4	-
	Hi PR	137	148	156	-	154	166	175	-	175	188	199	-	199	215	227	-	224	241	255	-	248	267	282	-
	Lo PR	63	67	73	-	66	71	77	-	69	73	80	-	72	77	84	-	76	81	88	-	79	84	91	-
	MBh	27.6	28.6	31.3	-	26.9	27.9	30.6	-	26.3	27.3	29.9	-	25.7	26.6	29.1	-	24.4	25.3	27.7	-	22.6	23.4	25.6	-
	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	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	16	14	11	-
919	kW	1.97	2.01	2.07	-	2.11	2.15	2.21	-	2.23	2.28	2.34	-	2.34	2.39	2.46	-	2.43	2.48	2.55	-	2.51	2.56	2.64	-
	Amps	6.9	7.1	7.3	-	7.5	7.6	7.9	-	8.1	8.3	8.6	-	8.6	8.9	9.1	-	9.2	9.4	9.7	-	9.7	10.0	10.3	-
	Hi PR	136	146	154	-	152	164	173	-	173	187	197	-	197	213	224	-	222	239	252	-	245	264	279	-
	Lo PR	62	66	72	-	66	70	76	-	68	73	79	-	72	76	83	-	75	80	87	-	78	83	90	-
	MBh	25.5	26.4	28.9	-	24.9	25.8	28.2	-	24.3	25.2	27.6	-	23.7	24.6	26.9	-	22.5	23.3	25.6	-	20.8	21.6	23.7	-
	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	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-
	kW	1.93	1.97	2.02	-	2.06	2.10	2.16	-	2.18	2.22	2.29	-	2.28	2.33	2.40	-	2.37	2.42	2.49	-	2.45	2.50	2.57	-
	Amps	6.7	6.9	7.1	-	7.3	7.4	7.7	-	7.9	8.1	8.3	-	8.4	8.6	8.9	-	8.9	9.2	9.5	-	9.5	9.7	10.0	-
	Hi PR	132	142	150	-	148	159	168	-	168	181	191	-	192	206	218	-	216	232	245	-	238	256	271	-
	Lo PR	60	64	70	-	64	68	74	-	66	70	77	-	70	74	81	-	73	78	85	-	75	80	88	-

75	MBh	28.9	29.8	32.2	34.6	28.2	29.1	31.5	33.8	27.6	28.4	30.7	33.0	26.9	27.7	30.0	32.2	25.5	26.3	28.5	30.5	23.7	24.4	26.4	28.3
	S/T	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.90	0.81	0.61	0.39	0.93	0.83	0.63	0.41	0.97	0.87	0.65	0.42	0.98	0.87	0.66	0.42
	ΔT	19	18	14	10	19	18	15	10	19	18	15	10	19	18	15	10	19	18	14	10	18	17	14	9
	kW	2.00	2.04	2.10	2.16	2.14	2.18	2.25	2.32	2.26	2.31	2.38	2.45	2.37	2.42	2.50	2.57	2.47	2.52	2.59	2.68	2.55	2.60	2.68	2.76
	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	9.7	9.4	9.6	9.9	10.3	9.9	10.2	10.5	10.9
	Hi PR	139	149	158	164	156	167	177	184	177	190	201	210	201	217	229	239	227	244	258	269	250	270	285	297
	Lo PR	63	67	74	78	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	79	84	92	98
	MBh	28.1	28.9	31.3	33.6	27.4	28.2	30.5	32.8	26.8	27.5	29.8	32.0	26.1	26.9	29.1	31.2	24.8	25.5	27.6	29.7	23.0	23.6	25.6	27.5
	S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.37	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.92	0.83	0.62	0.40	0.93	0.83	0.63	0.41
	ΔT	20	18	15	10	20	19	15	10	20	19	15	11	20	19	15	11	20	18	15	10	19	17	14	10
919	kW	1.99	2.03	2.08	2.14	2.13	2.17	2.23	2.30	2.25	2.29	2.36	2.43	2.36	2.40	2.48	2.55	2.45	2.50	2.57	2.65	2.53	2.58	2.66	2.74
	Amps	7.0	7.1	7.4	7.6	7.5	7.7	8.0	8.2	8.2	8.4	8.6	9.0	8.7	8.9	9.2	9.6	9.3	9.5	9.8	10.2	9.8	10.1	10.4	10.8
	Hi PR	137	148	156	163	154	166	175	183	175	189	199	208	200	215	227	236	224	242	255	266	248	267	282	294
	Lo PR	63	67	73	78	66	71	77	82	69	73	80	85	72	77	84	90	76	81	88	94	79	84	91	97
	MBh	25.9	26.7	28.9	31.0	25.3	26.0	28.2	30.3	24.7	25.4	27.5	29.5	24.1	24.8	26.8	28.8	22.9	23.6	25.5	27.4	21.2	21.8	23.6	25.4
	S/T	0.78	0.70	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.80	0.61	0.39
	ΔT	20	19	15	11	20	19	15	11	21	19	15	11	21	19	16	11	20	19	15	11	19	18	14	10
	kW	1.95	1.98	2.04	2.10	2.08	2.12	2.18	2.25	2.20	2.24	2.31	2.38	2.30	2.35	2.42	2.49	2.39	2.44	2.51	2.59	2.47	2.52	2.60	2.68
	Amps	6.8	6.9	7.2	7.4	7.3	7.5	7.7	8.0	7.9	8.1	8.4	8.7	8.5	8.7	9.0	9.3	9.0	9.2	9.5	9.9	9.6	9.8	10.1	10.5
	Hi PR	133	143	151	158	149	161	170	177	170	183	193	201	194	208	220	229	218	234	247	258	241	259	273	285
	Lo PR	61	65	71	75	64	68	75	80	67	71	78	83	70	75	82	87	74	78	86	91	76	81	88	94

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects ACCA (TVA) conditions
 Amps = outdoor unit amps (comp. +fan)
 kW = Total system power

EXPANDED COOLING DATA — VSC130301A*** (CONT.)

IDB		Airflow		Outdoor Ambient Temperature																																															
				65°F								75°F								85°F								95°F								105°F								115°F							
				Entering Indoor Wet Bulb Temperature																																															
80	1182	MBh	29.4	30.1	32.1	34.3	28.7	29.4	31.4	33.5	28.0	28.7	30.6	32.7	27.4	28.0	29.9	31.9	26.0	26.6	28.4	30.3	24.1	24.6	26.3	28.1	20.0	20.5	22.2	24.0	18.0	18.5	20.2	21.9	15.0	15.5	17.2	18.9													
		S/T	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	1.00	0.93	0.76	0.56	1.00	0.96	0.78	0.58	1.00	1.00	0.81	0.61	1.00	1.00	0.82	0.61	0.50	0.45	0.30	0.25	0.10	0.05	0.00	0.00	0.00	0.00															
		ΔT	21	20	18	14	22	21	18	14	22	21	18	14	21	21	18	14	20	21	18	14	19	19	17	13	10	9	7	5	3	2	1	0	0	0	0														
		kW	2.02	2.06	2.11	2.18	2.16	2.20	2.27	2.33	2.28	2.33	2.40	2.47	2.39	2.44	2.52	2.59	2.49	2.54	2.61	2.70	2.57	2.62	2.70	2.79	2.00	2.05	2.20	2.35	1.80	1.85	2.00	2.15	1.50	1.55	1.70	1.85													
		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	9.8	9.4	9.7	10.0	10.4	10.0	10.3	10.6	11.0	8.0	8.2	8.5	8.8	8.0	8.2	8.5	8.8	8.0	8.2	8.5	8.8													
	Hi PR	140	151	159	166	157	169	179	186	179	192	203	212	204	219	231	241	229	246	260	271	253	272	287	300	140	151	159	166	157	169	179	186	179	192	203	212	204													
	Lo PR	64	68	74	79	68	72	79	84	70	75	82	87	74	79	86	91	77	82	90	96	80	85	93	99	64	68	74	79	68	72	79	84	70	75	82	87														
	MBh	28.6	29.2	31.2	33.3	27.9	28.5	30.5	32.6	27.2	27.8	29.7	31.8	26.6	27.1	29.0	31.0	25.2	25.8	27.6	29.5	23.4	23.9	25.5	27.3	19.0	19.5	21.2	23.0	17.0	17.5	19.2	21.0	15.0	15.5	17.2	18.9														
	S/T	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.53	0.94	0.89	0.72	0.54	0.97	0.91	0.74	0.56	1.00	0.95	0.77	0.58	1.00	0.96	0.78	0.58	0.50	0.45	0.30	0.25	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.00														
	ΔT	22	21	19	15	22	22	19	15	23	22	19	15	23	22	19	15	22	21	19	15	20	20	17	14	10	9	7	5	3	2	1	0	0	0	0	0														
1050	1182	kW	2.00	2.04	2.10	2.16	2.14	2.18	2.25	2.32	2.27	2.31	2.38	2.45	2.37	2.42	2.50	2.57	2.47	2.52	2.59	2.68	2.55	2.60	2.68	2.76	2.00	2.05	2.20	2.35	1.80	1.85	2.00	2.15	1.50	1.55	1.70	1.85													
		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	9.7	9.4	9.6	9.9	10.3	9.9	10.2	10.5	10.9	8.0	8.2	8.5	8.8	8.0	8.2	8.5	8.8	8.0	8.2	8.5	8.8													
		Hi PR	139	149	158	164	156	167	177	184	177	190	201	210	202	217	229	239	227	244	258	269	250	270	285	297	139	149	158	164	156	167	177	184	177	190	201	210	202												
		Lo PR	63	68	74	78	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	79	84	92	98	63	68	74	78	67	71	78	83	70	74	81	86													
		MBh	26.4	26.9	28.8	30.8	25.7	26.3	28.1	30.0	25.1	25.7	27.4	29.3	24.5	25.1	26.8	28.6	23.3	23.8	25.4	27.2	21.6	22.0	23.6	25.2	19.0	19.5	21.2	23.0	17.0	17.5	19.2	21.0	15.0	15.5	17.2	18.9													
	S/T	0.86	0.80	0.65	0.49	0.89	0.83	0.68	0.51	0.91	0.85	0.70	0.52	0.94	0.88	0.72	0.54	0.98	0.91	0.74	0.56	0.98	0.92	0.75	0.56	0.50	0.45	0.30	0.25	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.00														
	ΔT	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	20	18	14	10	9	7	5	3	2	1	0	0	0	0															
	kW	1.96	2.00	2.05	2.11	2.09	2.14	2.20	2.26	2.21	2.26	2.33	2.40	2.32	2.37	2.44	2.51	2.41	2.46	2.53	2.61	2.49	2.54	2.62	2.70	2.00	2.05	2.20	2.35	1.80	1.85	2.00	2.15	1.50	1.55	1.70	1.85														
	Amps	6.8	7.0	7.2	7.5	7.4	7.6	7.8	8.1	8.0	8.2	8.5	8.8	8.6	8.8	9.1	9.4	9.1	9.3	9.6	10.0	9.6	9.9	10.2	10.6	8.0	8.2	8.5	8.8	8.0	8.2	8.5	8.8	8.0	8.2	8.5	8.8														
	Hi PR	134	145	153	159	151	162	171	179	172	185	195	203	195	210	222	232	220	237	250	261	243	261	276	288	134	145	153	159	151	162	171	179	172	185	195	203	195													
Lo PR	62	65	71	76	65	69	76	80	68	72	78	84	71	76	82	88	74	79	86	92	77	82	89	95	62	65	71	76	65	69	76	80	68	72	78	84															

85	MBh	29.9	30.5	31.9	34.1	29.2	29.8	31.2	33.3	28.5	29.1	30.5	32.5	27.8	28.4	29.7	31.7	26.4	27.0	28.2	30.1	24.5	25.0	26.2	27.9	20.0	20.5	22.2	24.0	18.0	18.5	20.2	21.9	15.0	15.5	17.2	18.9
	S/T	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.79	0.50	0.45	0.30	0.25	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.00
	ΔT	23	22	21	18	23	23	21	19	22	23	21	19	22	22	22	19	21	21	21	18	19	19	20	17	10	9	7	5	3	2	1	0	0	0	0	0
	kW	2.03	2.07	2.13	2.19	2.17	2.22	2.28	2.35	2.30	2.35	2.42	2.49	2.41	2.46	2.53	2.61	2.50	2.56	2.64	2.72	2.59	2.64	2.72	2.81	2.00	2.05	2.20	2.35	1.80	1.85	2.00	2.15	1.50	1.55	1.70	1.85
	Amps	7.2	7.3	7.6	7.8	7.7	7.9	8.2	8.5	8.4	8.6	8.9	9.2	9.0	9.2	9.5	9.8	9.5	9.8	10.1	10.5	10.1	10.3	10.7	11.1	8.0	8.2	8.5	8.8	8.0	8.2	8.5	8.8	8.0	8.2	8.5	8.8
	Hi PR	141	152	161	168	159	171	180	188	180	194	205	214	206	221	234	244	231	249	263	274	256	275	290	303	141	152	161	168	159	171	180	188	180	194	205	214
	Lo PR	65	69	75	80	68	73	79	85	71	76	83	88	75	79	87	92	78	83	91	97	81	86	94	100	65	69	75	80	68	73	79	85	71	76	83	88
	MBh	29.1	29.6	31.0	33.1	28.4	28.9	30.3	32.3	27.7	28.2	29.6	31.6	27.0	27.6	28.9	30.8	25.7	26.2	27.4	29.2	23.8	24.2	25.4	27.1	20.0	20.5	22.2	24.0	18.0	18.5	20.2	21.9	15.0	15.5	17.2	18.9
	S/T	0.93	0.90	0.81	0.66	0.97	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.76	0.50	0.45	0.30	0.25	0.10	0.05	0.00	0.00	0.00	0.00	0.00	0.00
	ΔT	24	23	22	19	24	24	22	19	24	24	22	19	24	24	22	19	22	23	22	19	21	21	21	18	10	9	7	5	3	2	1	0	0	0	0	0
	kW	2.02	2.06	2.11	2.18	2.16	2.20	2.27	2.33	2.28	2.33	2.40	2.47	2.39	2.44	2.52	2.59	2.49	2.54	2.61	2.70	2.57	2.62	2.70	2.79	2.00	2.05	2.20	2.35	1.80	1.85	2.00	2.15	1.50	1.55	1.70	1.85
	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	9.8	9.4	9.7	10.0	10.4	10.0	10.3	10.6	11.0	8.0	8.2	8.5	8.8	8.0	8.2	8.5	8.8	8.0	8.2	8.5	8.8
	Hi PR	140	151	159	166	157	169	179	186	179	192	203	212	204	219	231	241	229	246	260	271	253	272	287	300	140	151	159	166	157	169	179	186	179	192	203	212
	Lo PR	64	68	74	79	68	72	79	84	70	75	82	87	74	79	86	91	77	82	90	96	80	85	93	99	64	68	74	79	68	72	79	84	70	75	82	87

EXPANDED COOLING DATA — VSC130361A***

		Outdoor Ambient Temperature																							
		65°F				75°F				85°F				95°F				105°F				115°F			
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	MBh	34.3	35.5	38.9	-	33.5	34.7	38.0	-	32.7	33.9	37.1	-	31.9	33.1	36.2	-	30.3	31.4	34.4	-	28.1	29.1	31.9	-
	S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-
	ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
	1350 kW	2.40	2.44	2.52	-	2.57	2.62	2.70	-	2.72	2.78	2.86	-	2.85	2.91	3.00	-	2.97	3.03	3.13	-	3.07	3.13	3.23	-
	Amps	8.6	8.8	9.1	-	9.3	9.5	9.9	-	10.1	10.4	10.7	-	10.8	11.1	11.5	-	11.5	11.8	12.2	-	12.2	12.5	13.0	-
	Hi PR	142	153	161	-	159	171	181	-	181	195	206	-	206	222	234	-	232	250	264	-	256	276	291	-
	Lo PR	62	66	72	-	66	70	76	-	68	73	79	-	72	76	83	-	75	80	87	-	78	83	90	-
	MBh	33.3	34.5	37.8	-	32.5	33.7	36.9	-	31.7	32.9	36.1	-	31.0	32.1	35.2	-	29.4	30.5	33.4	-	27.3	28.3	31.0	-
	S/T	0.69	0.58	0.40	-	0.71	0.60	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.79	0.66	0.45	-	0.79	0.66	0.46	-
	ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-
1050	1200 kW	2.38	2.43	2.50	-	2.55	2.60	2.68	-	2.70	2.76	2.84	-	2.83	2.89	2.98	-	2.95	3.01	3.10	-	3.04	3.11	3.21	-
	Amps	8.5	8.7	9.0	-	9.2	9.5	9.8	-	10.0	10.3	10.6	-	10.7	11.0	11.4	-	11.4	11.7	12.1	-	12.1	12.4	12.8	-
	Hi PR	141	151	160	-	158	170	179	-	179	193	204	-	204	220	232	-	230	247	261	-	254	273	289	-
	Lo PR	62	66	72	-	65	69	76	-	68	72	79	-	71	76	83	-	75	79	87	-	77	82	90	-
	MBh	30.7	31.9	34.9	-	30.0	31.1	34.1	-	29.3	30.4	33.3	-	28.6	29.6	32.5	-	27.2	28.2	30.8	-	25.2	26.1	28.6	-
	S/T	0.67	0.56	0.38	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.76	0.64	0.44	-
	ΔT	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
	1050 kW	2.33	2.37	2.44	-	2.49	2.54	2.62	-	2.64	2.69	2.77	-	2.77	2.82	2.91	-	2.88	2.94	3.03	-	2.97	3.03	3.13	-
	Amps	8.3	8.5	8.8	-	9.0	9.2	9.5	-	9.8	10.0	10.3	-	10.4	10.7	11.0	-	11.1	11.4	11.8	-	11.8	12.1	12.5	-
	Hi PR	136	147	155	-	153	165	174	-	174	187	198	-	198	213	225	-	223	240	253	-	246	265	280	-
	Lo PR	60	64	69	-	63	67	73	-	66	70	76	-	69	73	80	-	72	77	84	-	75	80	87	-

75	1350	MBh	34.9	35.9	38.9	41.7	34.1	35.1	38.0	40.7	33.3	34.2	37.1	39.8	32.4	33.4	36.2	38.8	30.8	31.7	34.4	36.9	28.6	29.4	31.8	34.2
		S/T	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.94	0.84	0.64	0.41
		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	2.41	2.46	2.54	2.61	2.59	2.64	2.72	2.80	2.74	2.80	2.88	2.98	2.88	2.94	3.03	3.13	2.99	3.06	3.15	3.25	3.09	3.16	3.26	3.36
		Amps	8.7	8.9	9.2	9.5	9.4	9.6	9.9	10.3	10.2	10.5	10.8	11.2	10.9	11.2	11.6	12.0	11.6	11.9	12.3	12.8	12.3	12.6	13.1	13.6
		Hi PR	143	154	163	170	161	173	183	191	183	197	208	217	208	224	237	247	234	252	266	278	259	279	294	307
		Lo PR	63	67	73	78	66	71	77	82	69	74	80	85	73	77	84	90	76	81	88	94	79	84	91	97
		MBh	33.9	34.9	37.7	40.5	33.1	34.1	36.9	39.6	32.3	33.2	36.0	38.6	31.5	32.4	35.1	37.7	29.9	30.8	33.3	35.8	27.7	28.5	30.9	33.2
		S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.81	0.61	0.39
		ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	20	19	15	11	19	18	14	10
1050		kW	2.40	2.44	2.52	2.59	2.57	2.62	2.70	2.78	2.72	2.78	2.86	2.95	2.85	2.91	3.01	3.10	2.97	3.03	3.13	3.23	3.07	3.13	3.23	3.34
		Amps	8.6	8.8	9.1	9.4	9.3	9.5	9.9	10.2	10.1	10.4	10.7	11.1	10.8	11.1	11.5	11.9	11.5	11.8	12.2	12.7	12.2	12.5	13.0	13.5
		Hi PR	142	153	161	168	159	171	181	189	181	195	206	215	206	222	235	245	232	250	264	275	257	276	292	304
		Lo PR	62	66	72	77	66	70	76	81	68	73	79	85	72	76	83	89	75	80	87	93	78	83	90	96
		MBh	31.3	32.2	34.8	37.4	30.5	31.4	34.0	36.5	29.8	30.7	33.2	35.6	29.1	29.9	32.4	34.8	27.6	28.4	30.8	33.0	25.6	26.3	28.5	30.6
		S/T	0.76	0.68	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.87	0.78	0.59	0.38
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10
		kW	2.34	2.39	2.46	2.53	2.51	2.56	2.64	2.72	2.66	2.71	2.79	2.88	2.79	2.85	2.93	3.03	2.90	2.96	3.05	3.15	2.99	3.06	3.15	3.25
		Amps	8.4	8.6	8.9	9.2	9.1	9.3	9.6	9.9	9.8	10.1	10.4	10.8	10.5	10.8	11.1	11.6	11.2	11.5	11.9	12.3	11.9	12.2	12.6	13.1
		Hi PR	138	148	157	163	155	166	176	183	176	189	200	208	200	215	227	237	225	242	256	267	249	268	283	295
		Lo PR	60	64	70	75	64	68	74	79	66	71	77	82	70	74	81	86	73	78	85	90	76	80	88	93

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects ACCA (TVA) conditions
 Amps = outdoor unit amps (comp.+fan)
 kW = Total system power

EXPANDED COOLING DATA — VSC130361A*** (CONT.)

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	59	63	67	71
80	1350	MBh	35.5	36.3	38.8	41.4	34.7	35.4	37.9	40.5	33.8	34.6	37.0	39.5	33.0	33.7	36.1	38.5	31.4	32.1	34.2	36.6	29.1	29.7	31.7	33.7	33.9
		S/T	0.90	0.85	0.69	0.51	0.93	0.88	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.76	0.56	1.00	0.96	0.78	0.59	1.00	1.00	0.79	0.59	
		ΔT	22	21	18	15	22	21	18	15	22	21	18	15	22	21	19	15	21	21	18	15	20	20	17	14	
		kW	2.43	2.48	2.55	2.63	2.61	2.66	2.74	2.83	2.76	2.82	2.91	3.00	2.90	2.96	3.05	3.15	3.02	3.08	3.18	3.28	3.12	3.18	3.28	3.39	
		Amps	8.8	9.0	9.3	9.6	9.5	9.7	10.0	10.4	10.3	10.6	10.9	11.3	11.0	11.3	11.7	12.1	11.7	12.0	12.4	12.9	12.5	12.8	13.2	13.7	
	1200	Hi PR	145	156	165	172	163	175	185	193	185	199	210	219	211	227	239	250	237	255	269	281	262	282	297	310	
		Lo PR	64	68	74	79	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	79	85	92	98	
		MBh	34.5	35.2	37.6	40.2	33.7	34.4	36.8	39.3	32.9	33.6	35.9	38.4	32.1	32.8	35.0	37.4	30.5	31.1	33.3	35.5	28.2	28.8	30.8	32.9	
		S/T	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.75	0.56	
		ΔT	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	20	18	14	
1050	1200	kW	2.41	2.46	2.54	2.61	2.59	2.64	2.72	2.80	2.74	2.80	2.88	2.98	2.88	2.94	3.03	3.13	2.99	3.06	3.15	3.25	3.09	3.16	3.26	3.36	
		Amps	8.7	8.9	9.2	9.5	9.4	9.6	9.9	10.3	10.2	10.5	10.8	11.2	10.9	11.2	11.6	12.0	11.6	11.9	12.3	12.8	12.3	12.6	13.1	13.6	
		Hi PR	143	154	163	170	161	173	183	191	183	197	208	217	208	224	237	247	235	252	267	278	259	279	294	307	
		Lo PR	63	67	73	78	66	71	77	82	69	74	80	85	73	77	84	90	76	81	88	94	79	84	91	97	
		MBh	31.8	32.5	34.7	37.1	31.1	31.7	33.9	36.3	30.3	31.0	33.1	35.4	29.6	30.2	32.3	34.5	28.1	28.7	30.7	32.8	26.0	26.6	28.4	30.4	
	1050	S/T	0.83	0.78	0.63	0.47	0.86	0.81	0.66	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.69	0.52	0.94	0.89	0.72	0.54	0.95	0.89	0.73	0.54	
		ΔT	23	22	19	15	23	22	19	16	23	22	20	16	24	23	20	16	23	22	19	15	22	21	18	14	
		kW	2.36	2.41	2.48	2.55	2.53	2.58	2.66	2.74	2.68	2.73	2.82	2.90	2.81	2.87	2.96	3.05	2.92	2.98	3.08	3.17	3.02	3.08	3.18	3.28	
		Amps	8.5	8.7	8.9	9.3	9.1	9.4	9.7	10.0	9.9	10.2	10.5	10.9	10.6	10.9	11.3	11.7	11.3	11.6	12.0	12.4	12.0	12.3	12.7	13.2	
		Hi PR	139	150	158	165	156	168	177	185	178	191	202	210	202	218	230	240	227	245	259	270	251	270	286	298	
Lo PR	61	65	71	76	64	69	75	80	67	71	78	83	70	75	82	87	74	78	86	91	76	81	89	94			

85	1350	MBh	36.1	36.8	38.6	41.1	35.3	36.0	37.7	40.2	34.4	35.1	36.8	39.2	33.6	34.2	35.9	38.3	31.9	32.5	34.1	36.4	29.6	30.1	31.6	33.7
		S/T	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.95	0.77
		ΔT	23	23	22	19	24	23	22	19	23	23	22	19	23	23	22	19	22	22	22	19	20	21	20	18
		kW	2.45	2.50	2.57	2.65	2.63	2.68	2.76	2.85	2.78	2.84	2.93	3.02	2.92	2.98	3.08	3.18	3.04	3.10	3.20	3.31	3.14	3.21	3.31	3.42
		Amps	8.8	9.1	9.4	9.7	9.6	9.8	10.1	10.5	10.4	10.7	11.0	11.4	11.1	11.4	11.8	12.2	11.9	12.2	12.6	13.0	12.6	12.9	13.3	13.8
		Hi PR	146	157	166	173	164	177	187	195	187	201	212	221	213	229	242	252	239	257	272	284	264	284	300	313
		Lo PR	64	68	75	79	68	72	79	84	70	75	82	87	74	79	86	92	78	83	90	96	80	85	93	99
		MBh	35.1	35.7	37.4	39.9	34.3	34.9	36.6	39.0	33.4	34.1	35.7	38.1	32.6	33.3	34.8	37.2	31.0	31.6	33.1	35.3	28.7	29.3	30.6	32.7
		S/T	0.90	0.87	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.92	0.83	0.68	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.73	1.00	1.00	0.90	0.73
		ΔT	24	24	23	19	25	24	23	20	25	24	23	20	25	24	23	20	24	24	23	20	22	22	21	18
1050	1200	kW	2.43	2.48	2.55	2.63	2.61	2.66	2.74	2.83	2.76	2.82	2.91	3.00	2.90	2.96	3.05	3.15	3.02	3.08	3.18	3.28	3.12	3.18	3.28	3.39
		Amps	8.8	9.0	9.3	9.6	9.5	9.7	10.0	10.4	10.3	10.6	10.9	11.3	11.0	11.3	11.7	12.1	11.7	12.0	12.4	12.9	12.5	12.8	13.2	13.7
		Hi PR	145	156	165	172	163	175	185	193	185	199	210	219	211	227	239	250	237	255	269	281	262	282	297	310
		Lo PR	64	68	74	79	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	79	85	92	98
		MBh	32.4	33.0	34.6	36.9	31.6	32.2	33.8	36.0	30.9	31.5	32.9	35.1	30.1	30.7	32.1	34.3	28.6	29.2	30.5	32.6	26.5	27.0	28.3	30.2
		S/T	0.87	0.84	0.76	0.61	0.90	0.87	0.78	0.64	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.99	0.96	0.86	0.70	1.00	0.96	0.87	0.71
		ΔT	25	24	23	20	25	25	23	20	25	25	23	20	25	25	23	20	25	24	23	20	23	23	22	19
		kW	2.38	2.43	2.50	2.57	2.55	2.60	2.68	2.76	2.70	2.75	2.84	2.93	2.83	2.89	2.98	3.07	2.94	3.01	3.10	3.20	3.04	3.11	3.20	3.31
		Amps	8.5	8.7	9.0	9.4	9.2	9.4	9.8	10.1	10.0	10.3	10.6	11.0	10.7	11.0	11.4	11.8	11.4	11.7	12.1	12.6	12.1	12.4	12.8	13.3
		Hi PR	141	151	160	167	158	170	179	187	179	193	204	213	204	220	232	242	230	247	261	272	254	273	288	301
		Lo PR	62	66	72	76	65	69	76	81	68	72	79	84	71	76	83	88	75	79	87	92	77	82	90	95

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects ARI conditions
 Amps = outdoor unit amps (comp. + fan)
 kW = Total system power

EXPANDED COOLING DATA — VSC130421A***

		Outdoor Ambient Temperature																							
		65°F				75°F				85°F				95°F				105°F				115°F			
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	MBh	39.7	41.1	45.1	-	38.8	40.2	44.0	-	37.8	39.2	43.0	-	36.9	38.3	41.9	-	35.1	36.4	39.8	-	32.5	33.7	36.9	-
	S/T	0.76	0.63	0.44	-	0.78	0.66	0.45	-	0.80	0.67	0.47	-	0.83	0.69	0.48	-	0.86	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	10	-
	1631																								
	kW	2.74	2.79	2.87	-	2.93	2.98	3.07	-	3.09	3.15	3.24	-	3.24	3.30	3.40	-	3.36	3.43	3.53	-	3.46	3.54	3.64	-
	Amps	9.6	9.8	10.1	-	10.4	10.6	10.9	-	11.2	11.5	11.9	-	12.0	12.3	12.6	-	12.7	13.0	13.4	-	13.4	13.8	14.2	-
	Hi PR	142	153	161	-	159	171	181	-	181	195	206	-	206	222	234	-	232	250	264	-	256	276	291	-
	Lo PR	62	66	73	-	66	70	77	-	69	73	80	-	72	77	84	-	75	80	88	-	78	83	91	-
	MBh	38.5	39.9	43.8	-	37.6	39.0	42.7	-	36.7	38.1	41.7	-	35.8	37.1	40.7	-	34.1	35.3	38.7	-	31.5	32.7	35.8	-
	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	0.69	0.48	-	0.83	0.69	0.48	-
	ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-
1450	kW	2.72	2.77	2.85	-	2.91	2.96	3.05	-	3.07	3.13	3.22	-	3.21	3.28	3.37	-	3.33	3.40	3.50	-	3.44	3.51	3.61	-
	Amps	9.5	9.7	10.1	-	10.3	10.5	10.8	-	11.1	11.4	11.7	-	11.9	12.1	12.5	-	12.6	12.9	13.3	-	13.3	13.6	14.1	-
	Hi PR	141	151	160	-	158	170	179	-	179	193	204	-	204	220	232	-	230	247	261	-	254	273	288	-
	Lo PR	62	66	72	-	65	69	76	-	68	72	79	-	71	76	83	-	75	79	87	-	77	82	90	-
	MBh	35.6	36.9	40.4	-	34.7	36.0	39.4	-	33.9	35.1	38.5	-	33.1	34.3	37.6	-	31.4	32.6	35.7	-	29.1	30.2	33.1	-
	S/T	0.70	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	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
	1269																								
	kW	2.67	2.72	2.79	-	2.85	2.90	2.98	-	3.00	3.06	3.15	-	3.14	3.20	3.30	-	3.26	3.32	3.42	-	3.36	3.43	3.53	-
	Amps	9.3	9.5	9.8	-	10.0	10.2	10.6	-	10.8	11.1	11.4	-	11.5	11.8	12.2	-	12.3	12.6	13.0	-	13.0	13.3	13.7	-
	Hi PR	136	147	155	-	153	165	174	-	174	187	198	-	198	213	225	-	223	240	253	-	246	265	280	-
	Lo PR	60	64	70	-	63	67	74	-	66	70	76	-	69	74	80	-	72	77	84	-	75	80	87	-

1631	MBh	40.4	41.6	45.0	48.3	39.4	40.6	43.9	47.2	38.5	39.6	42.9	46.0	37.5	38.7	41.8	44.9	35.7	36.7	39.7	42.7	33.0	34.0	36.8	39.5
	S/T	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.91	0.82	0.62	0.40	0.94	0.84	0.64	0.41	0.98	0.88	0.66	0.43	0.99	0.88	0.67	0.43
	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
	1631																								
	kW	2.76	2.81	2.89	2.98	2.95	3.01	3.09	3.18	3.12	3.18	3.27	3.37	3.26	3.33	3.42	3.53	3.38	3.45	3.56	3.67	3.49	3.56	3.67	3.78
	Amps	9.7	9.9	10.2	10.6	10.4	10.7	11.0	11.4	11.3	11.6	12.0	12.4	12.1	12.4	12.8	13.2	12.8	13.1	13.6	14.1	13.6	13.9	14.4	14.9
	Hi PR	143	154	163	170	161	173	183	191	183	197	208	217	208	224	237	247	234	252	266	278	259	279	294	307
	Lo PR	63	67	73	78	67	71	77	82	69	74	80	86	73	77	84	90	76	81	89	94	79	84	92	98
	MBh	39.2	40.3	43.7	46.9	38.3	39.4	42.7	45.8	37.4	38.5	41.6	44.7	36.5	37.5	40.6	43.6	34.6	35.7	38.6	41.4	32.1	33.0	35.7	38.4
	S/T	0.82	0.73	0.56	0.36	0.85	0.76	0.58	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.93	0.84	0.63	0.41	0.94	0.84	0.64	0.41
	ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	15	11	19	18	14	10
	1450																								
	kW	2.74	2.79	2.87	2.95	2.93	2.98	3.07	3.16	3.09	3.15	3.24	3.34	3.24	3.30	3.40	3.50	3.36	3.43	3.53	3.64	3.47	3.54	3.64	3.76
	Amps	9.6	9.8	10.1	10.5	10.4	10.6	10.9	11.3	11.2	11.5	11.9	12.3	12.0	12.3	12.6	13.1	12.7	13.0	13.4	13.9	13.5	13.8	14.2	14.8
	Hi PR	142	153	161	168	159	171	181	189	181	195	206	215	206	222	234	245	232	250	264	275	256	276	291	304
	Lo PR	62	66	73	77	66	70	77	82	69	73	80	85	72	77	84	89	75	80	88	93	78	83	91	97
1269	MBh	36.2	37.2	40.3	43.3	35.3	36.4	39.4	42.3	34.5	35.5	38.4	41.2	33.6	34.6	37.5	40.2	32.0	32.9	35.6	38.2	29.6	30.5	33.0	35.4
	S/T	0.79	0.71	0.54	0.34	0.82	0.73	0.56	0.36	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.81	0.62	0.40
	ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10
	1269																								
	kW	2.69	2.74	2.81	2.89	2.87	2.92	3.00	3.09	3.02	3.08	3.17	3.27	3.16	3.23	3.32	3.42	3.28	3.35	3.45	3.55	3.39	3.45	3.56	3.67
	Amps	9.4	9.6	9.9	10.2	10.1	10.3	10.6	11.0	10.9	11.2	11.5	12.0	11.6	11.9	12.3	12.8	12.4	12.7	13.1	13.6	13.1	13.4	13.8	14.4
	Hi PR	138	148	156	163	154	166	176	183	176	189	200	208	200	215	227	237	225	242	256	267	249	268	283	295
	Lo PR	61	64	70	75	64	68	74	79	67	71	77	82	70	74	81	86	73	78	85	91	76	81	88	94

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects ACCA (TVA) conditions
 Amps = outdoor unit amps (comp.+fan)
 kW = Total system power

EXPANDED COOLING DATA — VSC130421A*** (CONT.)

		Outdoor Ambient Temperature																							
		65°F				75°F				85°F				95°F				105°F				115°F			
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	MBh	41.1	42.0	44.8	47.9	40.1	41.0	43.8	46.8	39.2	40.0	42.8	45.7	38.2	39.0	41.7	44.6	36.3	37.1	39.6	42.4	33.6	34.4	36.7	39.2
	S/T	0.94	0.89	0.72	0.54	1.00	0.92	0.75	0.56	1.00	0.94	0.77	0.57	1.00	1.00	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.83	0.62
	ΔT	22	21	18	15	23	21	18	15	22	21	18	15	22	22	19	15	20	21	18	15	19	19	17	14
	kW	2.78	2.83	2.91	3.00	2.97	3.03	3.12	3.21	3.14	3.20	3.29	3.39	3.29	3.35	3.45	3.56	3.41	3.48	3.58	3.69	3.52	3.59	3.70	3.81
	Amps	9.8	10.0	10.3	10.7	10.5	10.8	11.1	11.5	11.4	11.7	12.1	12.5	12.2	12.5	12.9	13.4	12.9	13.3	13.7	14.2	13.7	14.0	14.5	15.0
	Hi PR	145	156	165	172	162	175	185	193	185	199	210	219	210	227	239	249	237	255	269	281	262	282	297	310
	Lo PR	64	68	74	79	67	72	78	83	70	74	81	87	73	78	85	91	77	82	89	95	80	85	93	99
	MBh	39.9	40.8	43.5	46.5	39.0	39.8	42.5	45.5	38.0	38.9	41.5	44.4	37.1	37.9	40.5	43.3	35.2	36.0	38.5	41.1	32.6	33.4	35.6	38.1
	S/T	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.97	0.79	0.59
	ΔT	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	20	18	14
1450	kW	2.76	2.81	2.89	2.98	2.95	3.01	3.09	3.18	3.12	3.18	3.27	3.37	3.26	3.33	3.42	3.53	3.39	3.45	3.56	3.67	3.49	3.56	3.67	3.78
	Amps	9.7	9.9	10.2	10.6	10.4	10.7	11.0	11.4	11.3	11.6	12.0	12.4	12.1	12.4	12.8	13.2	12.8	13.1	13.6	14.1	13.6	13.9	14.4	14.9
	Hi PR	143	154	163	170	161	173	183	191	183	197	208	217	208	224	237	247	234	252	266	278	259	279	294	307
	Lo PR	63	67	73	78	67	71	77	82	69	74	80	86	73	77	84	90	76	81	89	94	79	84	92	98
	MBh	36.8	37.6	40.2	43.0	36.0	36.7	39.3	42.0	35.1	35.9	38.3	41.0	34.2	35.0	37.4	40.0	32.5	33.2	35.5	38.0	30.1	30.8	32.9	35.2
	S/T	0.87	0.81	0.66	0.50	0.90	0.84	0.69	0.51	0.92	0.87	0.70	0.53	0.95	0.89	0.73	0.54	0.99	0.93	0.75	0.56	1.00	0.93	0.76	0.57
	ΔT	23	22	19	15	23	22	20	16	23	22	20	16	24	23	20	16	23	22	19	15	22	21	18	14
	kW	2.70	2.75	2.83	2.91	2.89	2.94	3.02	3.11	3.05	3.11	3.20	3.29	3.19	3.25	3.35	3.45	3.31	3.37	3.48	3.58	3.41	3.48	3.59	3.70
	Amps	9.4	9.7	10.0	10.3	10.2	10.4	10.7	11.1	11.0	11.3	11.6	12.1	11.8	12.0	12.4	12.9	12.5	12.8	13.2	13.7	13.2	13.5	14.0	14.5
	Hi PR	139	150	158	165	156	168	177	185	177	191	202	210	202	218	230	240	227	245	258	270	251	270	286	298
	Lo PR	61	65	71	76	65	69	75	80	67	71	78	83	71	75	82	87	74	79	86	91	76	81	89	95

1631	MBh	41.8	42.6	44.6	47.6	40.8	41.6	43.6	46.5	39.9	40.6	42.5	45.4	38.9	39.6	41.5	44.3	36.9	37.6	39.4	42.1	34.2	34.9	36.5	39.0
	S/T	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.98	0.80	1.00	1.00	0.99	0.80
	ΔT	23	23	22	19	23	23	22	19	22	23	22	19	22	22	22	19	21	21	19	19	19	20	20	18
	kW	2.80	2.85	2.93	3.02	2.99	3.05	3.14	3.23	3.16	3.22	3.32	3.42	3.31	3.38	3.48	3.58	3.44	3.51	3.61	3.72	3.55	3.62	3.73	3.84
	Amps	9.9	10.1	10.4	10.8	10.6	10.9	11.2	11.6	11.5	11.8	12.2	12.6	12.3	12.6	13.0	13.5	13.1	13.4	13.8	14.3	13.8	14.2	14.6	15.2
	Hi PR	146	157	166	173	164	177	186	195	187	201	212	221	213	229	242	252	239	257	272	283	264	284	300	313
	Lo PR	64	68	75	80	68	72	79	84	71	75	82	87	74	79	86	92	78	83	90	96	80	86	93	100
	MBh	40.6	41.4	43.3	46.2	39.6	40.4	42.3	45.1	38.7	39.4	41.3	44.1	37.7	38.5	40.3	43.0	35.9	36.6	38.3	40.8	33.2	33.9	35.5	37.8
	S/T	0.94	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.94	0.77
	ΔT	24	24	23	20	25	24	23	20	25	24	23	20	24	24	23	20	23	23	23	20	21	21	21	18
1450	kW	2.78	2.83	2.91	3.00	2.97	3.03	3.12	3.21	3.14	3.20	3.29	3.39	3.29	3.35	3.45	3.56	3.41	3.48	3.58	3.69	3.52	3.59	3.70	3.81
	Amps	9.8	10.0	10.3	10.7	10.5	10.8	11.1	11.5	11.4	11.7	12.1	12.5	12.2	12.5	12.9	13.4	12.9	13.3	13.7	14.2	13.7	14.0	14.5	15.0
	Hi PR	145	156	165	172	162	175	185	193	185	199	210	219	210	227	239	249	237	255	269	281	262	282	297	310
	Lo PR	64	68	74	79	67	72	78	83	70	74	81	87	73	78	85	91	77	82	89	95	80	85	93	99
	MBh	37.5	38.2	40.0	42.7	36.6	37.3	39.1	41.7	35.7	36.4	38.1	40.7	34.8	35.5	37.2	39.7	33.1	33.7	35.3	37.7	30.7	31.3	32.7	34.9
	S/T	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.67	0.97	0.93	0.84	0.68	1.00	0.96	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74
	ΔT	25	24	23	20	25	25	23	20	25	25	23	20	25	25	23	20	24	24	23	20	22	23	22	19
	kW	2.72	2.77	2.85	2.93	2.91	2.96	3.05	3.14	3.07	3.13	3.22	3.32	3.21	3.28	3.37	3.47	3.33	3.40	3.50	3.61	3.44	3.51	3.61	3.72
	Amps	9.5	9.7	10.1	10.4	10.3	10.5	10.8	11.2	11.1	11.4	11.7	12.2	11.9	12.1	12.5	13.0	12.6	12.9	13.3	13.8	13.3	13.6	14.1	14.6
	Hi PR	140	151	160	166	158	170	179	187	179	193	204	212	204	220	232	242	230	247	261	272	254	273	288	301
	Lo PR	62	66	72	76	65	69	76	81	68	72	79	84	71	76	83	88	75	79	87	92	77	82	90	96

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects ARI conditions
 Amps = outdoor unit amps (comp.+fan)
 kW = Total system power

EXPANDED COOLING DATA — VSC130481A***

IDB		Outdoor Ambient Temperature																																															
		65°F								75°F								85°F								95°F								105°F								115°F							
		Entering Indoor Wet Bulb Temperature																																															
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	59	63	67	71																					
70	1688	MBh	44.6	46.2	50.6	-	43.5	45.1	49.5	-	42.5	44.1	48.3	-	41.5	43.0	47.1	-	39.4	40.8	44.7	-	36.5	37.8	41.4	-																							
		S/T	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.45	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.85	0.71	0.49	-																							
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-																							
		kW	3.21	3.27	3.37	-	3.44	3.51	3.62	-	3.65	3.72	3.84	-	3.83	3.91	4.03	-	3.98	4.06	4.19	-	4.11	4.20	4.33	-																							
		Amps	12.5	12.8	13.2	-	13.5	13.9	14.3	-	14.7	15.1	15.6	-	15.7	16.1	16.6	-	16.7	17.1	17.7	-	17.7	18.1	18.8	-																							
	1500	Hi PR	144	155	164	-	162	174	184	-	184	198	209	-	210	226	238	-	236	254	268	-	261	281	296	-																							
		Lo PR	63	67	73	-	66	71	77	-	69	73	80	-	73	77	84	-	76	81	88	-	79	84	91	-																							
		MBh	43.3	44.9	49.2	-	42.3	43.8	48.0	-	41.3	42.8	46.9	-	40.3	41.7	45.7	-	38.3	39.6	43.4	-	35.4	36.7	40.2	-																							
		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	0.46	-	0.81	0.68	0.47	-																							
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	-																							
	1313	kW	3.19	3.25	3.35	-	3.42	3.49	3.59	-	3.62	3.69	3.81	-	3.80	3.88	4.00	-	3.95	4.03	4.16	-	4.08	4.17	4.30	-																							
Amps		12.4	12.7	13.1	-	13.4	13.7	14.2	-	14.6	14.9	15.4	-	15.6	15.9	16.5	-	16.6	17.0	17.5	-	17.5	18.0	18.6	-																								
Hi PR		143	154	162	-	160	173	182	-	182	196	207	-	208	224	236	-	234	252	266	-	258	278	293	-																								
Lo PR		62	66	72	-	66	70	76	-	68	73	79	-	72	76	83	-	75	80	87	-	78	83	90	-																								
MBh		40.0	41.4	45.4	-	39.0	40.4	44.3	-	38.1	39.5	43.3	-	37.2	38.5	42.2	-	35.3	36.6	40.1	-	32.7	33.9	37.1	-																								

1688		MBh	45.3	46.7	50.5	54.2	44.3	45.6	49.4	53.0	43.2	44.5	48.2	51.7	42.2	43.4	47.0	50.4	40.1	41.3	44.7	47.9	37.1	38.2	41.4	44.4
		S/T	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.89	0.80	0.60	0.39	0.92	0.83	0.62	0.40	0.96	0.86	0.65	0.42	0.97	0.86	0.65	0.42
		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	3.24	3.30	3.40	3.50	3.47	3.54	3.65	3.76	3.68	3.75	3.87	3.99	3.86	3.94	4.06	4.19	4.01	4.10	4.23	4.36	4.15	4.23	4.37	4.51
		Amps	12.6	12.9	13.4	13.9	13.7	14.0	14.4	15.0	14.8	15.2	15.7	16.3	15.9	16.2	16.8	17.4	16.9	17.3	17.9	18.5	17.9	18.3	18.9	19.7
		Hi PR	146	157	166	173	164	176	186	194	186	200	212	221	212	228	241	251	238	257	271	283	264	284	299	312
		Lo PR	64	68	74	79	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	79	85	92	98
		MBh	44.0	45.3	49.1	52.7	43.0	44.3	47.9	51.4	42.0	43.2	46.8	50.2	41.0	42.2	45.6	49.0	38.9	40.1	43.4	46.5	36.0	37.1	40.2	43.1
		S/T	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.82	0.62	0.40	0.92	0.82	0.62	0.40
		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	3.21	3.27	3.37	3.47	3.44	3.51	3.62	3.73	3.65	3.72	3.84	3.96	3.83	3.91	4.03	4.16	3.98	4.06	4.19	4.33	4.11	4.20	4.33	4.47
1500		Amps	12.5	12.8	13.2	13.7	13.5	13.9	14.3	14.9	14.7	15.1	15.6	16.1	15.7	16.1	16.6	17.3	16.7	17.1	17.7	18.4	17.7	18.2	18.8	19.5
		Hi PR	144	155	164	171	162	174	184	192	184	198	209	218	210	226	239	249	236	254	268	280	261	281	296	309
		Lo PR	63	67	73	78	66	71	77	82	69	74	80	85	73	77	84	90	76	81	88	94	79	84	91	97
		MBh	40.6	41.8	45.3	48.6	39.7	40.9	44.2	47.5	38.7	39.9	43.2	46.3	37.8	38.9	42.1	45.2	35.9	37.0	40.0	42.9	33.3	34.2	37.1	39.8
		S/T	0.77	0.69	0.52	0.34	0.80	0.72	0.54	0.35	0.82	0.74	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.79	0.60	0.38	0.89	0.79	0.60	0.39
		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	3.14	3.20	3.30	3.39	3.36	3.43	3.53	3.64	3.56	3.64	3.75	3.86	3.74	3.81	3.93	4.06	3.89	3.97	4.09	4.22	4.01	4.10	4.23	4.36
		Amps	12.2	12.5	12.9	13.4	13.2	13.5	13.9	14.4	14.3	14.6	15.1	15.7	15.3	15.7	16.2	16.8	16.3	16.7	17.2	17.9	17.2	17.6	18.2	18.9
		Hi PR	140	151	159	166	157	169	179	186	179	192	203	212	204	219	231	241	229	246	260	271	253	272	288	300
		Lo PR	61	65	71	76	64	69	75	80	67	71	78	83	70	75	82	87	74	78	86	91	76	81	89	94

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects ACCA (TVA) conditions
 Amps = outdoor unit amps (comp.+fan)
 kW = Total system power

EXPANDED COOLING DATA — VSC130481A*** (CONT.)

		Outdoor Ambient Temperature																							
		65°F				75°F				85°F				95°F				105°F				115°F			
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	MBh	46.1	47.2	50.4	53.9	45.1	46.1	49.2	52.6	44.0	45.0	48.0	51.4	42.9	43.9	46.9	50.1	40.8	41.7	44.5	47.6	37.8	38.6	41.2	44.1
	S/T	0.92	0.86	0.70	0.53	0.96	0.90	0.73	0.55	1.00	0.92	0.75	0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.81	0.60
	ΔT	23	22	19	15	23	22	20	16	24	23	20	16	23	23	20	16	23	23	19	16	21	21	18	15
	kW	3.26	3.32	3.42	3.53	3.50	3.57	3.68	3.79	3.70	3.78	3.90	4.02	3.89	3.97	4.09	4.22	4.04	4.13	4.26	4.40	4.18	4.27	4.40	4.55
	Amps	12.8	13.1	13.5	14.0	13.8	14.1	14.6	15.1	15.0	15.3	15.8	16.4	16.0	16.4	16.9	17.6	17.0	17.5	18.0	18.7	18.0	18.5	19.1	19.8
	Hi PR	147	159	167	175	165	178	188	196	188	202	214	223	214	230	243	254	241	259	274	286	266	286	302	315
	Lo PR	64	68	75	79	68	72	79	84	70	75	82	87	74	79	86	92	78	83	90	96	80	85	93	99
	MBh	44.8	45.8	48.9	52.3	43.8	44.7	47.8	51.1	42.7	43.7	46.6	49.9	41.7	42.6	45.5	48.6	39.6	40.5	43.2	46.2	36.7	37.5	40.0	42.8
	S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.70	0.52	0.93	0.88	0.71	0.53	0.96	0.90	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.95	0.77	0.58
	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	25	24	21	16	24	23	20	16	22	22	19	15
	kW	3.24	3.30	3.40	3.50	3.47	3.54	3.65	3.76	3.68	3.75	3.87	3.99	3.86	3.94	4.06	4.19	4.01	4.10	4.23	4.36	4.15	4.23	4.37	4.51
1313	Amps	12.6	12.9	13.4	13.9	13.7	14.0	14.5	15.0	14.8	15.2	15.7	16.3	15.9	16.2	16.8	17.4	16.9	17.3	17.9	18.5	17.9	18.3	18.9	19.7
	Hi PR	146	157	166	173	164	176	186	194	186	200	212	221	212	228	241	251	239	257	271	283	264	284	299	312
	Lo PR	64	68	74	79	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	79	85	92	98
	MBh	41.4	42.3	45.1	48.3	40.4	41.3	44.1	47.1	39.4	40.3	43.0	46.0	38.5	39.3	42.0	44.9	36.5	37.3	39.9	42.6	33.9	34.6	37.0	39.5
	S/T	0.85	0.80	0.65	0.48	0.88	0.82	0.67	0.50	0.90	0.85	0.69	0.51	0.93	0.87	0.71	0.53	0.97	0.91	0.74	0.55	0.97	0.91	0.74	0.56
	ΔT	25	24	20	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	16	23	22	19	15
	kW	3.16	3.23	3.32	3.42	3.39	3.46	3.56	3.67	3.59	3.66	3.78	3.89	3.77	3.85	3.96	4.09	3.92	4.00	4.12	4.26	4.05	4.13	4.26	4.40
	Amps	12.3	12.6	13.0	13.5	13.3	13.6	14.1	14.6	14.4	14.8	15.3	15.8	15.4	15.8	16.3	16.9	16.4	16.8	17.4	18.0	17.4	17.8	18.4	19.1
	Hi PR	141	152	161	168	159	171	180	188	181	194	205	214	206	221	234	244	231	249	263	274	256	275	290	303
	Lo PR	62	66	72	76	65	69	76	81	68	72	79	84	71	76	83	88	75	79	87	92	77	82	90	95

1688	MBh	47.0	47.9	50.1	53.5	45.9	46.7	49.0	52.2	44.8	45.6	47.8	51.0	43.7	44.5	46.6	49.7	41.5	42.3	44.3	47.3	38.4	39.2	41.0	43.8
	S/T	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.99	0.89	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.78
	ΔT	25	24	23	20	25	25	23	20	24	25	23	20	24	24	23	20	23	23	20	21	21	21	22	19
	kW	3.28	3.35	3.45	3.55	3.52	3.59	3.70	3.82	3.73	3.81	3.93	4.05	3.92	4.00	4.13	4.26	4.08	4.16	4.30	4.43	4.21	4.30	4.44	4.59
	Amps	12.9	13.2	13.6	14.1	13.9	14.2	14.7	15.3	15.1	15.5	16.0	16.6	16.2	16.5	17.1	17.7	17.2	17.6	18.2	18.9	18.2	18.7	19.3	20.0
	Hi PR	149	160	169	176	167	180	190	198	190	204	216	225	216	233	246	256	243	262	276	288	269	289	305	319
	Lo PR	65	69	75	80	69	73	80	85	71	76	83	88	75	80	87	93	78	83	91	97	81	86	94	100
	MBh	45.6	46.5	48.7	51.9	44.5	45.4	47.5	50.7	43.5	44.3	46.4	49.5	42.4	43.2	45.3	48.3	40.3	41.1	43.0	45.9	37.3	38.0	39.8	42.5
	S/T	0.92	0.89	0.80	0.65	0.96	0.92	0.83	0.68	0.98	0.95	0.85	0.69	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.75
	ΔT	26	25	24	21	26	26	24	21	26	26	24	21	26	26	24	21	25	25	24	21	23	23	23	19
	kW	3.26	3.32	3.42	3.53	3.50	3.57	3.68	3.79	3.70	3.78	3.90	4.02	3.89	3.97	4.09	4.22	4.04	4.13	4.26	4.40	4.18	4.27	4.40	4.55
1500	Amps	12.8	13.1	13.5	14.0	13.8	14.1	14.6	15.1	15.0	15.3	15.8	16.4	16.0	16.4	16.9	17.6	17.0	17.5	18.0	18.7	18.0	18.5	19.1	19.8
	Hi PR	147	159	167	175	165	178	188	196	188	202	214	223	214	230	243	254	241	259	274	286	266	286	302	315
	Lo PR	64	68	75	79	68	72	79	84	70	75	82	87	74	79	86	92	78	83	90	96	80	85	93	99
	MBh	42.1	42.9	44.9	47.9	41.1	41.9	43.9	46.8	40.1	40.9	42.8	45.7	39.1	39.9	41.8	44.6	37.2	37.9	39.7	42.4	34.4	35.1	36.8	39.2
	S/T	0.89	0.86	0.77	0.63	0.92	0.89	0.80	0.65	0.94	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	0.98	0.89	0.72
	ΔT	26	26	24	21	27	26	25	21	27	26	25	21	27	26	25	22	26	26	25	21	24	24	23	20
	kW	3.19	3.25	3.35	3.45	3.42	3.48	3.59	3.70	3.62	3.69	3.81	3.92	3.80	3.88	4.00	4.12	3.95	4.03	4.16	4.29	4.08	4.17	4.30	4.44
	Amps	12.4	12.7	13.1	13.6	13.4	13.7	14.2	14.7	14.6	14.9	15.4	16.0	15.6	15.9	16.5	17.1	16.6	17.0	17.5	18.2	17.5	18.0	18.6	19.3
	Hi PR	143	154	162	169	160	173	182	190	182	196	207	216	208	224	236	246	234	251	266	277	258	278	293	306
	Lo PR	62	66	72	77	66	70	76	81	68	73	79	85	72	76	83	89	75	80	87	93	78	83	90	96

IDB: Entering Indoor Dry Bulb Temperature
 High and low pressures are measured at the liquid and suction service valves.
 Shaded area reflects ARI conditions
 Amps = outdoor unit amps (comp.+fan)
 kW = Total system power

EXPANDED COOLING DATA — VSC130601A***

		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	59	63	67	71	59	63	67	71				
70		MBh	54.9	56.9	62.3	-	53.6	55.6	60.9	-	52.3	54.2	59.4	-	51.0	52.9	58.0	-	48.5	50.3	55.1	-	44.9	46.6	51.0	-	44.9	46.6	51.0	-	44.9	46.6	51.0	-			
		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	-	0.83	0.69	0.48	-	0.83	0.69	0.48	-			
		ΔT	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	-	18	15	12	-	18	15	12	-			
	1913	kW	3.96	4.03	4.14	-	4.23	4.31	4.43	-	4.47	4.56	4.69	-	4.68	4.77	4.92	-	4.86	4.96	5.11	-	5.01	5.12	5.27	-	5.01	5.12	5.27	-	5.01	5.12	5.27	-			
		Amps	13.6	14.0	14.4	-	14.7	15.1	15.6	-	16.0	16.4	16.9	-	17.1	17.5	18.1	-	18.2	18.6	19.3	-	19.3	19.7	20.4	-	19.3	19.7	20.4	-	19.3	19.7	20.4	-			
		Hi PR	146	157	166	-	163	176	186	-	186	200	211	-	212	228	241	-	238	256	271	-	263	283	299	-	263	283	299	-	263	283	299	-			
		Lo PR	59	63	69	-	63	67	73	-	65	69	76	-	69	73	80	-	72	76	83	-	74	79	86	-	74	79	86	-	74	79	86	-			
		MBh	53.3	55.2	60.5	-	52.0	53.9	59.1	-	50.8	52.7	57.7	-	49.6	51.4	56.3	-	47.1	48.8	53.5	-	43.6	45.2	49.5	-	43.6	45.2	49.5	-	43.6	45.2	49.5	-			
		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	-	0.79	0.66	0.46	-	0.79	0.66	0.46	-			
		ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	19	16	12	-	19	16	12	-	19	16	12	-			
	1700	kW	3.93	4.00	4.11	-	4.20	4.28	4.40	-	4.43	4.52	4.66	-	4.64	4.74	4.88	-	4.82	4.92	5.07	-	4.98	5.08	5.23	-	4.98	5.08	5.23	-	4.98	5.08	5.23	-			
		Amps	13.5	13.8	14.3	-	14.6	14.9	15.4	-	15.9	16.2	16.8	-	16.9	17.4	17.9	-	18.0	18.5	19.1	-	19.1	19.6	20.2	-	19.1	19.6	20.2	-	19.1	19.6	20.2	-			
	Hi PR	144	155	164	-	162	174	184	-	184	198	209	-	210	226	238	-	236	254	268	-	261	280	296	-	261	280	296	-	261	280	296	-				
	Lo PR	59	63	68	-	62	66	72	-	65	69	75	-	68	72	79	-	71	76	83	-	74	78	85	-	74	78	85	-	74	78	85	-				
1488		MBh	49.2	51.0	55.8	-	48.0	49.8	54.5	-	46.9	48.6	53.2	-	45.7	47.4	51.9	-	43.5	45.0	49.3	-	40.3	41.7	45.7	-	40.3	41.7	45.7	-	40.3	41.7	45.7	-			
		S/T	0.66	0.55	0.38	-	0.69	0.57	0.40	-	0.70	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.76	0.64	0.44	-	0.76	0.64	0.44	-	0.76	0.64	0.44	-			
		ΔT	20	17	13	-	20	18	13	-	20	18	13	-	21	18	13	-	20	18	13	-	19	16	12	-	19	16	12	-	19	16	12	-			
	1488	kW	3.84	3.92	4.03	-	4.11	4.18	4.30	-	4.34	4.42	4.55	-	4.54	4.63	4.77	-	4.71	4.81	4.95	-	4.86	4.96	5.11	-	4.86	4.96	5.11	-	4.86	4.96	5.11	-			
		Amps	13.1	13.5	13.9	-	14.2	14.5	15.0	-	15.4	15.8	16.3	-	16.5	16.9	17.4	-	17.5	18.0	18.6	-	18.6	19.0	19.7	-	18.6	19.0	19.7	-	18.6	19.0	19.7	-			
		Hi PR	140	151	159	-	157	169	178	-	179	192	203	-	203	219	231	-	229	246	260	-	253	272	287	-	253	272	287	-	253	272	287	-			
		Lo PR	57	61	66	-	60	64	70	-	63	67	73	-	66	70	76	-	69	73	80	-	71	76	83	-	71	76	83	-	71	76	83	-			

1913	MBh	55.8	57.5	62.2	66.7	54.5	56.1	60.7	65.2	53.2	54.8	59.3	63.6	51.9	53.4	57.9	62.1	49.3	50.8	55.0	59.0	45.7	47.0	50.9	54.6
	S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.41	0.94	0.84	0.64	0.41
	ΔT	22	20	17	11	22	20	17	12	22	20	17	12	22	21	17	12	22	20	17	12	21	19	16	11
	kW	3.98	4.06	4.18	4.30	4.26	4.34	4.47	4.60	4.50	4.59	4.73	4.87	4.72	4.81	4.95	5.11	4.90	5.00	5.15	5.31	5.05	5.16	5.32	5.48
	Amps	13.8	14.1	14.5	15.1	14.9	15.2	15.7	16.3	16.1	16.5	17.1	17.7	17.3	17.7	18.3	19.0	18.4	18.8	19.4	20.2	19.5	19.9	20.6	21.4
	Hi PR	147	158	167	174	165	178	188	196	188	202	213	223	214	230	243	254	241	259	273	285	266	286	302	315
	Lo PR	60	64	70	74	63	67	74	78	66	70	77	82	69	74	80	86	73	77	84	90	75	80	87	93
	MBh	54.2	55.8	60.4	64.8	52.9	54.5	59.0	63.3	51.7	53.2	57.6	61.8	50.4	51.9	56.2	60.3	47.9	49.3	53.4	57.3	44.4	45.7	49.4	53.0
	S/T	0.78	0.70	0.53	0.34	0.81	0.72	0.55	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.80	0.61	0.39
	ΔT	23	21	17	12	23	21	17	12	23	21	17	12	23	21	18	12	23	21	17	12	22	20	16	11
1700	kW	3.96	4.03	4.15	4.26	4.23	4.31	4.44	4.57	4.47	4.56	4.69	4.83	4.68	4.77	4.92	5.07	4.86	4.96	5.11	5.27	5.02	5.12	5.27	5.44
	Amps	13.6	14.0	14.4	14.9	14.7	15.1	15.6	16.2	16.0	16.4	16.9	17.6	17.1	17.5	18.1	18.8	18.2	18.6	19.3	20.0	19.3	19.8	20.4	21.2
	Hi PR	146	157	166	173	164	176	186	194	186	200	211	220	212	228	241	251	238	256	271	282	263	283	299	312
	Lo PR	59	63	69	74	63	67	73	78	65	69	76	81	69	73	80	85	72	76	83	89	74	79	86	92
	MBh	50.0	51.5	55.7	59.8	48.8	50.3	54.4	58.4	47.7	49.1	53.1	57.0	46.5	47.9	51.8	55.6	44.2	45.5	49.3	52.9	40.9	42.1	45.6	49.0
	S/T	0.75	0.67	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.86	0.77	0.59	0.38
	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	3.87	3.94	4.06	4.17	4.14	4.22	4.34	4.46	4.37	4.45	4.58	4.72	4.57	4.67	4.80	4.95	4.75	4.84	4.99	5.14	4.90	5.00	5.15	5.31
	Amps	13.3	13.6	14.0	14.5	14.3	14.7	15.2	15.7	15.6	15.9	16.5	17.1	16.6	17.0	17.6	18.3	17.7	18.1	18.7	19.4	18.7	19.2	19.8	20.6
	Hi PR	141	152	161	168	159	171	180	188	180	194	205	214	205	221	233	243	231	249	263	274	255	275	290	303
Lo PR	58	61	67	71	61	65	71	75	63	67	74	78	67	71	77	82	70	74	81	86	72	77	84	89	

EXPANDED COOLING DATA — VSC130601A*** (CONT.)

		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	59	63	67	71	59	63	67	71				
80		MBh	56.8	58.0	62.0	66.3	55.5	56.7	60.6	64.7	54.2	55.3	59.1	63.2	52.8	54.0	57.7	61.7	50.2	51.3	54.8	58.6	46.5	47.5	50.8	54.3	46.5	47.5	50.8	54.3	46.5	47.5	50.8	54.3			
		S/T	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.54	1.00	0.92	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.97	0.79	0.59	1.00	0.97	0.79	0.59	1.00	0.97	0.79	0.59			
		ΔT	25	23	20	16	25	24	21	17	25	24	21	17	25	24	21	17	24	24	21	16	22	22	19	15	22	22	19	15	22	22	19	15			
	1913	kW	4.01	4.09	4.21	4.33	4.29	4.37	4.50	4.64	4.54	4.63	4.76	4.91	4.75	4.85	4.99	5.15	4.93	5.04	5.19	5.35	5.09	5.20	5.36	5.53	5.09	5.20	5.36	5.53	5.09	5.20	5.36	5.53			
		Amps	13.9	14.2	14.7	15.2	15.0	15.4	15.9	16.5	16.3	16.7	17.2	17.9	17.4	17.8	18.4	19.1	18.5	19.0	19.6	20.4	19.6	20.1	20.8	21.6	19.6	20.1	20.8	21.6	19.6	20.1	20.8	21.6			
		Hi PR	149	160	169	176	167	180	190	198	190	204	216	225	216	233	246	256	243	262	276	288	269	289	305	318	269	289	305	318	269	289	305	318			
		Lo PR	61	65	70	75	64	68	74	79	67	71	77	82	70	74	81	87	73	78	85	91	76	81	88	94	76	81	88	94	76	81	88	94			
		MBh	55.1	56.3	60.2	64.4	53.9	55.0	58.8	62.9	52.6	53.7	57.4	61.4	51.3	52.4	56.0	59.9	48.7	49.8	53.2	56.9	45.1	46.1	49.3	52.7	45.1	46.1	49.3	52.7	45.1	46.1	49.3	52.7			
		S/T	0.86	0.80	0.65	0.49	0.89	0.83	0.68	0.51	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.56	0.98	0.92	0.75	0.56	0.98	0.92	0.75	0.56	0.98	0.92	0.75	0.56			
		ΔT	26	24	21	17	26	25	22	17	26	25	22	17	26	25	22	17	26	25	21	17	24	23	20	16	24	23	20	16	24	23	20	16			
1700		kW	3.98	4.06	4.18	4.30	4.26	4.34	4.47	4.60	4.50	4.59	4.73	4.87	4.72	4.81	4.96	5.11	4.90	5.00	5.15	5.31	5.05	5.16	5.32	5.48	5.05	5.16	5.32	5.48	5.05	5.16	5.32	5.48			
		Amps	13.8	14.1	14.5	15.1	14.9	15.2	15.7	16.3	16.1	16.5	17.1	17.7	17.3	17.7	18.3	19.0	18.4	18.8	19.4	20.2	19.5	19.9	20.6	21.4	19.5	19.9	20.6	21.4	19.5	19.9	20.6	21.4			
		Hi PR	147	158	167	174	165	178	188	196	188	202	213	223	214	230	243	254	241	259	273	285	266	286	302	315	266	286	302	315	266	286	302	315			
		Lo PR	60	64	70	74	63	68	74	78	66	70	77	82	69	74	80	86	73	77	84	90	75	80	87	93	75	80	87	93	75	80	87	93			
		MBh	50.9	52.0	55.6	59.4	49.7	50.8	54.3	58.0	48.5	49.6	53.0	56.6	47.3	48.4	51.7	55.3	45.0	46.0	49.1	52.5	41.7	42.6	45.5	48.6	41.7	42.6	45.5	48.6	41.7	42.6	45.5	48.6			
		S/T	0.83	0.77	0.63	0.47	0.86	0.80	0.65	0.49	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.95	0.89	0.72	0.54	0.95	0.89	0.72	0.54	0.95	0.89	0.72	0.54			
		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	25	24	21	17	24	23	20	16			
	1488		kW	3.90	3.97	4.08	4.20	4.17	4.25	4.37	4.50	4.40	4.49	4.62	4.76	4.61	4.70	4.84	4.99	4.78	4.88	5.03	5.18	4.94	5.04	5.19	5.35	4.94	5.04	5.19	5.35	4.94	5.04	5.19	5.35		
			Amps	13.4	13.7	14.1	14.7	14.5	14.8	15.3	15.9	15.7	16.1	16.6	17.2	16.8	17.2	17.8	18.4	17.9	18.3	18.9	19.6	18.9	19.4	20.0	20.8	18.9	19.4	20.0	20.8	18.9	19.4	20.0	20.8		
			Hi PR	143	154	162	169	160	172	182	190	182	196	207	216	208	223	236	246	233	251	265	277	258	278	293	306	258	278	293	306	258	278	293	306		
		Lo PR	58	62	68	72	62	65	71	76	64	68	74	79	67	71	78	83	70	75	82	87	73	77	85	90	73	77	85	90	73	77	85	90			

1913	MBh	57.8	58.9	61.7	65.8	56.4	57.5	60.3	64.3	55.1	56.2	58.8	62.8	53.8	54.8	57.4	61.2	51.1	52.1	54.5	58.2	47.3	48.2	50.5	53.9
	S/T	0.94	0.91	0.82	0.67	0.98	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76
	ΔT	26	26	24	21	26	26	25	21	26	26	25	21	26	26	25	21	25	25	24	21	23	23	20	20
	KW	4.04	4.12	4.24	4.36	4.32	4.41	4.53	4.67	4.57	4.66	4.80	4.94	4.79	4.88	5.03	5.19	4.97	5.07	5.23	5.39	5.13	5.24	5.40	5.57
	Amps	14.0	14.3	14.8	15.4	15.1	15.5	16.0	16.6	16.4	16.8	17.4	18.1	17.6	18.0	18.6	19.3	18.7	19.2	19.8	20.6	19.8	20.3	21.0	21.8
	Hi PR	150	162	171	178	168	181	191	200	192	206	218	227	218	235	248	259	246	264	279	291	271	292	308	322
	Lo PR	61	65	71	76	65	69	75	80	67	72	78	83	71	75	82	87	74	79	86	92	77	81	89	95
	1700	MBh	56.1	57.2	59.9	63.9	54.8	55.9	58.5	62.4	53.5	54.5	57.1	60.9	52.2	53.2	55.7	59.4	49.6	50.5	52.9	56.5	45.9	46.8	49.0
S/T		0.90	0.87	0.78	0.63	0.93	0.90	0.81	0.66	0.95	0.92	0.83	0.67	0.98	0.95	0.86	0.70	1.00	0.99	0.89	0.72	1.00	0.99	0.90	0.73
ΔT		27	27	25	22	28	27	26	22	28	27	26	22	28	27	26	22	27	27	25	22	25	25	24	21
KW		4.01	4.09	4.21	4.33	4.29	4.37	4.50	4.64	4.54	4.63	4.76	4.91	4.75	4.85	4.99	5.15	4.93	5.04	5.19	5.35	5.09	5.20	5.36	5.53
Amps		13.9	14.2	14.7	15.2	15.0	15.4	15.9	16.5	16.3	16.7	17.2	17.9	17.4	17.8	18.4	19.1	18.5	19.0	19.6	20.4	19.6	20.1	20.8	21.6
Hi PR		149	160	169	176	167	180	190	198	190	204	216	225	216	233	246	256	243	262	276	288	269	289	305	318
Lo PR		61	65	70	75	64	68	74	79	67	71	77	82	70	74	81	87	73	78	85	91	76	81	88	94
1488		MBh	51.8	52.8	55.3	59.0	50.6	51.6	54.0	57.6	49.4	50.3	52.7	56.2	48.2	49.1	51.4	54.9	45.8	46.7	48.9	52.1	42.4	43.2	45.3
	S/T	0.87	0.84	0.75	0.61	0.90	0.87	0.78	0.63	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	0.99	0.96	0.87	0.70
	ΔT	28	27	26	22	28	28	26	23	28	28	26	23	28	28	26	23	28	27	26	22	26	26	24	21
	KW	3.93	4.00	4.11	4.23	4.20	4.28	4.40	4.53	4.43	4.52	4.65	4.79	4.64	4.74	4.88	5.03	4.82	4.92	5.07	5.22	4.97	5.08	5.23	5.40
	Amps	13.5	13.8	14.3	14.8	14.6	14.9	15.4	16.0	15.8	16.2	16.8	17.4	16.9	17.3	17.9	18.6	18.0	18.5	19.1	19.8	19.1	19.6	20.2	21.0
	Hi PR	144	155	164	171	162	174	184	192	184	198	209	218	210	226	238	248	236	254	268	279	261	280	296	309
	Lo PR	59	63	68	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	78	85	91

ARI PERFORMANCE RATINGS

Outdoor Unit	Indoor Units		Cooling Capacity (BTU/h)				ARI #
	Coil & Blower Units	Furnace	Total	Sensible	SEER	EER	
VSC13 0181A*	ACNF18XX16A*		18,000	13,000	13.0	11.5	3314144
	ADPF182416B*		19,000	13,700	13.0	11.5	3314145
	AEPF183016C*		19,000	13,700	14.0	12.2	3314146
	AR*F182416B*		19,000	13,700	13.0	11.5	3314147
	ASPF183016B*		19,000	13,700	14.0	12.2	3314148
	AT*F182416A*		19,000	13,700	13.0	11.5	3314149
	AWUF18XX16A*		18,000	13,000	13.0	11.5	3314150
	CA*F1824*6C*	G*E80704B**	19,000	13,700	14.0	12.2	3314151
	CA*F1824*6C*	G*V80704B**	19,000	13,700	14.0	12.2	3314152
	CA*F1824*6C*	G*V90704C**	19,000	13,700	14.0	12.2	3314153
	CA*F1824*6C*	G*V950453B**	19,000	13,700	14.0	12.2	3314154
	CA*F1824*6C*	G*V950704C**	19,000	13,700	14.0	12.2	3314155
	CA*F1824*6C*+EEP		19,000	13,700	13.0	11.5	3314156
	CA*F1824*6C*	MBE1200*-1B*	19,000	13,700	14.0	12.2	3315395
	CA*F3030*6B*	G*V950704C**	19,000	13,700	14.0	12.2	3314157
	CA*F3131*6B*	G*V950453B**	19,000	13,700	14.0	12.2	3314158
	CHPF1824A6B*+EEP		19,000	13,700	13.0	11.5	3314159
	CHPF2430B6A*	G*V80704B**	19,600	14,100	14.0	12.2	3314160
	CHPF2430B6B*	G*E80704B**	19,600	14,100	14.0	12.2	3314161
	CHPF2430B6B*	G*V90704C**	19,600	14,100	14.0	12.2	3314162
	CHPF2430B6B*	G*V950453B**	19,600	14,100	14.0	12.2	3314163
	CHPF2430B6B*+EEP		19,000	13,700	13.0	11.5	3314164
	CHPF2430B6B*	MBE1200*-1B*	19,000	13,700	14.0	12.2	3315404
	CHTF1824A6A*+EEP		19,000	13,700	13.0	11.5	3314165
	CHTF2430B6A*+EEP		19,000	13,700	13.0	11.5	3314166
	CSCF1824N6A*	G*E80704B**	19,000	13,700	14.0	12.2	3314167
	CSCF1824N6B*	G*V80704B**	19,000	13,700	14.0	12.2	3314168
	CSCF1824N6B*	G*V90704C**	19,000	13,700	14.0	12.2	3314169
	CSCF1824N6B*	G*V950453B**	19,000	13,700	14.0	12.2	3314170
	CSCF1824N6B*+EEP		19,000	13,700	13.0	11.5	3314171
	CSCF3036N6B*+EEP		19,000	13,700	13.0	11.5	3314172
	CT*F1824*6A*	G*E80704B**	19,000	13,700	14.0	12.2	3314173
	CT*F1824*6A*	G*V80704B**	19,000	13,700	14.0	12.2	3314174
	CT*F1824*6A*	G*V90704C**	19,000	13,700	14.0	12.2	3314175
	CT*F1824*6A*	G*V950453B**	19,000	13,700	14.0	12.2	3314176
	CT*F1824*6A*+EEP		19,000	13,700	13.0	11.5	3314177
	CT*F1824*6A*	MBE1200*-1B*	19,000	13,700	14.0	12.2	3315410
	CT*F3030*6A*	G*V950704C**	19,000	13,700	14.0	12.2	3314178

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ARI PERFORMANCE RATINGS (CONT.)

Outdoor Unit	Indoor Units		Cooling Capacity (BTU/h)				ARI #
	Coil & Blower Units	Furnace	Total	Sensible	SEER	EER	
VSC13 0241A*	ACNF24XX16A*		23,000	17,000	13.0	11.5	3314179
	ADPF182416B*		22,800	17,000	13.0	11.5	3314180
	AEPF183016C*		23,600	17,600	14.0	12.0	3314181
	AR*F182416B*		22,800	17,000	13.0	11.5	3314182
	ASPF183016B*		23,800	17,600	14.0	12.2	3314183
	AT*F182416A*		22,800	17,000	13.0	11.5	3314184
	AWUF30XX16B*		23,200	17,200	13.0	11.5	3314185
	CA*F1824*6C*	G*E80704B**	23,000	17,000	14.0	12.2	3314186
	CA*F1824*6C*	G*V80704B**	23,000	17,000	14.0	12.2	3314187
	CA*F1824*6C*	G*V90704C**	22,800	17,000	14.0	12.0	3314188
	CA*F1824*6C*	G*V950453B**	22,800	17,000	14.0	12.0	3314189
	CA*F1824*6C*	G*V950704C**	22,800	17,000	14.0	12.0	3314190
	CA*F1824*6C*	G*V950905D**	23,000	17,000	14.0	12.2	3314191
	CA*F1824*6C*+EEP		22,800	17,000	13.0	11.5	3314192
	CA*F1824*6C*	MBE1200**-1B*	22,800	17,000	14.0	12.0	3315396
	CHPF1824A6B*+EEP		23,000	17,000	13.0	11.5	3314193
	CHPF2430B6B*	G*E80704B**	23,600	17,600	14.0	12.0	3314194
	CHPF2430B6B*	G*V90704C**	23,600	17,600	14.0	12.0	3314195
	CHPF2430B6B*	G*V950453B**	23,600	17,600	14.0	12.0	3314196
	CHPF2430B6B*+EEP		23,000	17,000	13.0	11.5	3314197
	CHPF2430B6B*	MBE1200**-1B*	24,000	17,800	14.0	12.2	3315405
	CHTF1824A6A*+EEP		23,000	17,000	13.0	11.5	3314198
	CHTF2430B6A*+EEP		23,000	17,000	13.0	11.5	3314199
	CSCF1824N6A*	G*E80704B**	23,000	17,000	14.0	12.2	3314200
	CSCF1824N6B*	G*V80704B**	23,000	17,000	14.0	12.2	3314201
	CSCF1824N6B*	G*V90704C**	22,800	17,000	14.0	12.0	3314202
	CSCF1824N6B*	G*V950453B**	22,800	17,000	14.0	12.0	3314203
	CSCF3036N6B*+EEP		23,600	17,600	13.0	12.0	3314204
	CT*F1824*6A*	G*E80704B**	22,800	17,000	14.0	12.0	3314205
	CT*F1824*6A*	G*V90704C**	22,800	17,600	14.0	12.0	3314206
	CT*F1824*6A*	G*V950453B**	22,800	17,000	14.0	12.0	3314207
	CT*F1824*6A*	G*V950704C**	22,800	17,000	14.0	12.0	3314208
	CT*F1824*6A*+EEP		22,800	17,000	13.0	11.5	3314209
	CT*F1824*6A*	MBE1200**-1B*	22,800	17,000	14.0	12.0	3315411

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ARI PERFORMANCE RATINGS (CONT.)

Outdoor Unit	Indoor Units		Cooling Capacity (BTU/h)				ARI #
	Coil & Blower Units	Furnace	Total	Sensible	SEER	EER	
VSC13 0301A*	ACNF30XX16A*		28,000	20,100	13.0	11.5	3314210
	ADPF304216B*		29,000	21,500	13.0	11.5	3314211
	AEPF183016C*		29,000	21,500	14.0	12.2	3314212
	AR*F303016B*		29,000	21,500	13.0	11.5	3314213
	AR*F363616B*		29,000	21,500	13.5	11.8	3314214
	ASPF183016B*		29,000	21,500	14.0	12.2	3314215
	AT*F182416A*		27,600	20,400	13.0	11.5	3314216
	AT*F303016A*		29,000	21,500	13.0	11.5	3314217
	AT*F363616A*		29,000	21,500	13.5	11.8	3314218
	AWUF30XX16B*		28,000	20,100	13.0	11.5	3314219
	AWUF36XX16B*		28,000	20,100	13.0	11.5	3314220
	AWUF37XX16B*		28,400	20,200	13.0	11.5	3314221
	CA*F3030*6B*	G*V80704B**	29,000	21,500	14.0	12.2	3314222
	CA*F3030*6B*	G*V90704C**	29,000	21,500	14.0	12.2	3314223
	CA*F3030*6B*	G*V950453B**	29,000	21,500	14.0	12.2	3314224
	CA*F3030*6B*	G*V950704C**	29,000	21,500	14.0	12.2	3314225
	CA*F3030*6B*	G*V950905D**	29,000	21,500	14.0	12.2	3314226
	CA*F3030*6B*+EEP		29,000	21,500	13.0	11.5	3314227
	CA*F3030*6B*	MBE1200*-1B*	29,000	21,500	14.0	12.2	3315397
	CA*F3131*6B*	G*V90704C**	29,000	21,500	14.0	12.0	3314228
	CA*F3131*6C*	G*E80704B**	29,000	21,500	14.0	12.0	3314229
	CA*F3131*6C*	G*V80905C**	29,000	21,500	14.0	12.0	3314230
	CA*F3131*6C*+EEP		29,000	21,500	13.0	11.5	3314231
	CA*F3636*6B*+EEP		29,000	21,500	13.0	11.5	3314232
	CA*F3642*6B*	G*V950704C**	30,000	22,200	14.0	12.2	3314233
	CA*F3743*6A*	G*V950704C**	30,000	22,200	14.0	12.2	3314234
	CHPF2430B6B*	G*E80704B**	29,400	21,800	14.0	12.2	3314235
	CHPF2430B6B*	G*V80704B**	29,400	21,800	14.0	12.2	3314236
	CHPF2430B6B*	G*V90704C**	29,400	21,800	14.0	12.2	3314237
	CHPF2430B6B*	G*V950453B**	29,400	21,800	14.0	12.2	3314238
	CHPF2430B6B*+EEP		29,000	21,500	13.0	11.5	3314239
	CHPF2430B6B*	MBE1200*-1B*	29,000	21,500	14.0	12.2	3315406
	CHPF3636B6B*+EEP		29,000	21,500	13.0	11.5	3314240
	CHTF2430B6A*+EEP		29,000	21,500	13.0	11.5	3314241
	CHTF3636B6A*+EEP		29,000	21,500	13.0	11.5	3314242
	CSCF3036N6B*	G*E80704B**	29,000	21,500	14.0	12.2	3314243
	CSCF3036N6B*	G*V80704B**	29,000	21,500	14.0	12.2	3314244
	CSCF3036N6B*	G*V90704C**	29,000	21,500	14.0	12.2	3314245
	CSCF3036N6B*	G*V950453B**	29,000	21,500	14.0	12.2	3314246
	CSCF3036N6B*+EEP		29,000	21,500	13.0	11.5	3314247
	CT*F3030*6A*	G*V80704B**	29,000	21,500	14.0	12.2	3314248

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ARI PERFORMANCE RATINGS (CONT.)

Outdoor Unit	Indoor Units		Cooling Capacity (BTU/h)				ARI #
	Coil & Blower Units	Furnace	Total	Sensible	SEER	EER	
VSC13 0301A* (cont.)	CT*F3030*6A*	G*V90704C**	29,000	21,500	14.0	12.2	3314249
	CT*F3030*6A*	G*V950453B**	29,000	21,500	14.0	12.2	3314250
	CT*F3030*6A*	G*V950704C**	29,000	21,500	14.0	12.2	3314251
	CT*F3030*6A*	G*V950905D**	29,000	21,500	14.0	12.2	3314252
	CT*F3030*6A*+EEP		29,000	21,500	13.0	11.5	3314253
	CT*F3030*6A*	MBE1200**-1B*	29,000	21,500	14.0	12.2	3315412
	CT*F3131*6A*	G*E80704B**	29,000	21,500	14.0	12.0	3314254
	CT*F3131*6A*	G*V80905C**	29,000	21,500	14.0	12.0	3314255
	CT*F3131*6A*+EEP		29,000	21,500	13.0	11.5	3314256
	CT*F3642*6A*	G*V950704C**	30,000	21,500	14.0	12.2	3314257
VSC13 0361A*	ADPF304216B*		35,000	25,200	13.0	11.5	3314258
	AEPF303616C*		35,000	25,200	14.0	12.2	3314259
	AR*F363616B*		35,000	25,200	13.0	11.5	3314260
	AR*F364216B*		35,000	25,200	13.0	11.5	3314261
	ASPF303616B*		35,000	25,200	14.0	12.2	3314262
	AT*F363616A*		35,000	25,200	13.0	11.5	3314263
	AT*F364216A*		35,000	25,200	13.0	11.5	3314264
	AWUF36XX16B*		33,600	24,200	13.0	11.5	3314265
	AWUF37XX16B*		33,400	24,100	13.0	11.5	3314266
	CA*F3636*6B*	G*V80704B**	35,000	25,200	14.0	12.2	3314267
	CA*F3636*6B*	G*V80905C**	35,000	25,200	14.0	12.2	3314268
	CA*F3636*6B*	G*V90905D**	35,000	25,200	14.0	12.2	3314269
	CA*F3636*6B*	G*V950704C**	35,000	25,200	14.0	12.2	3314270
	CA*F3636*6B*	G*V950905D**	35,000	25,200	14.0	12.2	3314271
	CA*F3636*6B*	G*V951155D**	35,000	25,200	14.0	12.2	3314272
	CA*F3636*6B*+EEP		35,000	25,200	13.0	11.5	3314273
	CA*F3636*6B*	MBE1600**-1B*	35,000	25,200	14.0	12.2	3315398
	CA*F3642*6B*+TXV	G*E80905C**	35,000	25,200	14.0	12.2	3314274
	CA*F3743*6A*+TXV	G*E80905C**	35,000	25,200	14.0	12.2	3315401
	CA*F4860*6B*	G*E80704B**	35,000	25,200	14.0	12.2	3314275
	CHPF3636B6B*+EEP		35,000	25,200	13.0	11.5	3314276
	CHPF3642C6B*	G*E80905C**	35,000	25,200	14.0	12.2	3314277
	CHPF3642C6B*	G*V80704B**	35,000	25,200	14.0	12.2	3314278
	CHPF3642C6B*	G*V80905C**	35,000	25,200	14.0	12.2	3314279
	CHPF3642C6B*+EEP		35,000	25,200	13.0	11.5	3314280
	CHPF3642D6B*	G*V90905D**	35,000	25,200	14.0	12.2	3314281
	CHPF3642D6B*	G*V950905D**	35,000	25,200	14.0	12.2	3314282
	CHPF3642D6B*	G*V951155D**	35,000	25,200	14.0	12.2	3314283
	CHPF3642D6B*+EEP		35,000	25,200	13.0	11.5	3314284
	CHPF4860D6C*	G*E80704B**	35,000	25,200	14.0	12.2	3314285
	CHTF3636B6A*+EEP		35,000	25,200	13.0	11.5	3314286

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ARI PERFORMANCE RATINGS (CONT.)

Outdoor Unit	Indoor Units		Cooling Capacity (BTU/h)				ARI #
	Coil & Blower Units	Furnace	Total	Sensible	SEER	EER	
VSC13 0361A* (Cont.)	CHTF3642C6A*+EEP		35,000	25,200	13.0	11.5	3314287
	CHTF3642D6A*+EEP		35,000	25,200	13.0	11.5	3314288
	CSCF3036N6B*	G*V80704B**	35,000	25,200	14.0	12.2	3314289
	CSCF3036N6B*	G*V80905C**	35,000	25,200	14.0	12.2	3314290
	CSCF3036N6B*	G*V90905D**	35,000	25,200	14.0	12.2	3314291
	CSCF3036N6B*	G*V950905D**	35,000	25,200	14.0	12.2	3314292
	CSCF3036N6B*	G*V951155D**	35,000	25,200	14.0	12.2	3314293
	CSCF3036N6B*+EEP		35,000	25,200	13.0	11.5	3314294
	CSCF3036N6B*+TXV	G*E80704B**	35,000	25,200	14.0	12.2	3314295
	CSCF3642N6C*	G*E80905C**	35,000	25,200	14.0	12.2	3314296
	CT*F3636*6A*	G*V80704B**	35,000	25,200	14.0	12.2	3314297
	CT*F3636*6A*	G*V80905C**	35,000	25,200	14.0	12.2	3314298
	CT*F3636*6A*	G*V90905D**	35,000	25,200	14.0	12.2	3314299
	CT*F3636*6A*	G*V950704C**	35,000	25,200	14.0	12.2	3314300
	CT*F3636*6A*	G*V950905D**	35,000	25,200	14.0	12.2	3314301
	CT*F3636*6A*	G*V951155D**	35,000	25,200	14.0	12.2	3314302
	CT*F3636*6A*+EEP		35,000	25,200	13.0	11.5	3314303
	CT*F3642*6A*+TXV	G*E80905C**	35,000	25,200	14.0	12.2	3314304
	CT*F4860*6A*	G*E80704B**	35,000	25,200	14.0	12.2	3314305
VSC13 0421A*	ADPF304216B*		40,500	30,400	13.0	11.5	3314306
	AEPF426016C*		41,000	30,800	14.0	12.2	3314307
	AR*F364216B*		40,500	30,400	13.0	11.5	3314308
	AR*F486016B*		41,500	31,100	13.0	11.5	3314309
	ASPF426016B*		41,000	30,800	14.0	12.2	3314310
	AT*F364216A*		40,500	30,400	13.0	11.5	3314311
	AT*F486016A*		41,500	31,100	13.0	11.5	3314312
	CA*F3642*6B*+EEP		40,500	30,400	13.0	11.5	3314313
	CA*F3642*6B*	MBE1600**-1B*	40,500	30,400	14.0	12.2	3315399
	CA*F3743*6A*+EEP		40,500	30,400	13.0	11.5	3314314
	CA*F3743*6A*	MBE1600**-1B*	40,500	30,400	14.0	12.2	3315400
	CA*F4860*6B*	G*E81155C**	41,500	31,100	14.0	12.2	3314315
	CA*F4860*6B*	G*V80905C**	41,500	31,100	14.0	12.2	3314316
	CA*F4860*6B*	G*V81155C**	41,500	31,100	14.0	12.2	3314317
	CA*F4860*6B*	G*V90905D**	41,500	31,100	13.5	11.8	3314318
	CA*F4860*6B*	G*V950704C**	41,000	30,800	13.5	11.8	3314319
	CA*F4860*6B*	G*V950905D**	41,500	31,100	13.5	11.8	3314320
	CA*F4860*6B*	G*V951155D**	41,500	31,100	13.5	11.8	3314321
	CA*F4860*6B*+EEP		41,000	30,800	13.0	11.5	3314322
	CHPF3642C6B*+EEP		40,500	30,400	13.0	11.5	3314323
	CHPF3642C6B*	MBE1600**-1B*	39,000	29,300	14.0	12.2	3315407
	CHPF3642D6B*+EEP		40,500	30,400	13.0	11.5	3314324

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ARI PERFORMANCE RATINGS (CONT.)

Outdoor Unit	Indoor Units		Cooling Capacity (BTU/h)				ARI #
	Coil & Blower Units	Furnace	Total	Sensible	SEER	EER	
VSC13 0421A* (cont.)	CHPF4860D6C*	G*E80905C**	41,500	31,100	14.0	12.2	3314325
	CHPF4860D6C*	G*E81155C**	41,500	31,100	14.0	12.2	3314326
	CHPF4860D6C*	G*V90905D**	41,500	31,100	13.5	11.8	3314327
	CHPF4860D6C*	G*V951155D**	41,500	31,100	13.5	11.8	3314328
	CHPF4860D6C*+EEP		41,000	30,800	13.0	11.5	3314329
	CHTF3642C6A*+EEP		40,500	30,400	13.0	11.5	3314330
	CHTF3642D6A*+EEP		40,500	30,400	13.0	11.5	3314331
	CHTF4860D6A*+EEP		41,000	30,800	13.0	11.5	3314332
	CSCF3642N6C*+EEP		40,500	30,400	13.0	11.5	3314333
	CSCF4860N6A*	G*E81155C**	41,500	31,100	14.0	12.2	3314334
	CSCF4860N6C*	G*E80905C**	41,500	31,100	14.0	12.2	3314335
	CSCF4860N6C*	G*V81155C**	41,500	31,100	14.0	12.2	3314336
	CSCF4860N6C*	G*V90905D**	41,500	31,100	13.5	11.8	3314337
	CSCF4860N6C*	G*V951155D**	41,500	31,100	13.5	11.8	3314338
	CT*F3642*6A*+EEP		40,500	30,400	13.0	11.5	3314339
	CT*F3642*6A*	MBE1600**-1B*	40,500	30,400	14.0	12.2	3315413
	CT*F4860*6A*	G*E80905C**	41,500	31,100	14.0	12.2	3314340
	CT*F4860*6A*	G*E81155C**	41,500	31,100	14.0	12.2	3314341
	CT*F4860*6A*	G*V80905C**	41,500	31,100	14.0	12.2	3314342
	CT*F4860*6A*	G*V81155C**	41,500	31,100	14.0	12.2	3314343
	CT*F4860*6A*	G*V90905D**	41,500	31,100	13.5	11.8	3314344
	CT*F4860*6A*	G*V950704C**	41,000	30,800	13.5	11.8	3314345
	CT*F4860*6A*	G*V950905D**	41,500	31,100	13.5	11.8	3314346
VSC13 0481A*	ADPF486016B*		46,000	34,000	13.0	11.5	3314347
	AEPF426016C*		46,000	34,000	14.0	12.2	3314348
	AR*F486016B*		46,000	34,000	13.0	11.5	3314349
	AR*F496116A*		46,000	34,000	13.0	11.5	3314350
	ASPF426016B*		46,000	34,000	14.0	12.2	3314351
	AT*F486016A*		46,000	34,000	13.0	11.5	3314352
	CA*F4860*6B*	G*V81155C**	45,500	33,700	13.5	11.8	3314353
	CA*F4860*6B*	G*V90905D**	45,500	33,700	13.5	11.8	3314354
	CA*F4860*6B*	G*V950905D**	45,500	33,700	13.5	11.8	3314355
	CA*F4860*6B*	G*V951155D**	45,500	33,700	13.5	11.8	3314356
	CA*F4860*6B*+EEP		45,500	33,700	13.0	11.5	3314357
	CA*F4860*6B*	MBE2000**-1B*	45,500	33,700	14.0	12.2	3315402
	CA*F4860*6B*+TXV	G*E81155C**	45,500	33,700	13.5	11.8	3314358
	CHPF4860D6A*	G*V80905C**	45,500	33,700	13.5	11.8	3314359
	CHPF4860D6C*	G*V81155C**	45,500	33,700	13.5	11.8	3314360
	CHPF4860D6C*	G*V90905D**	45,500	33,700	13.5	11.8	3314361
	CHPF4860D6C*	G*V950905D**	45,500	33,700	13.5	11.8	3314362
	CHPF4860D6C*	G*V951155D**	45,500	33,700	13.5	11.8	3314363

See Notes on Page 25.

ARI PERFORMANCE RATINGS (CONT.)

Outdoor Unit	Indoor Units		Cooling Capacity (BTU/h)				ARI #
	Coil & Blower Units	Furnace	Total	Sensible	SEER	EER	
VSC13 0481A* (cont.)	CHPF4860D6C*+EEP		45,500	33,700	13.0	11.5	3314364
	CHPF4860D6C*	MBE2000**-1B*	45,000	33,300	14.0	12.2	3315408
	CHPF4860D6C*+TXV	G*E80905C**	45,500	33,700	13.5	11.8	3314365
	CHPF4860D6C*+TXV	G*E81155C**	45,500	33,700	13.5	11.8	3314366
	CHTF4860D6A*+EEP		45,500	33,700	13.0	11.5	3314367
	CSCF4860N6C*	G*V81155C**	45,500	33,700	13.5	11.8	3314368
	CSCF4860N6C*	G*V90905D**	45,500	33,700	13.5	11.8	3314369
	CSCF4860N6C*	G*V950905D**	45,500	33,700	13.5	11.8	3314370
	CSCF4860N6C*	G*V951155D**	45,500	33,700	13.5	11.8	3314371
	CSCF4860N6C*+EEP		45,500	33,700	13.0	11.5	3314372
	CSCF4860N6C*+TXV	G*E81155C**	45,500	33,700	13.5	11.8	3314373
	CT*F4860*6A*	G*V80905C**	45,500	33,700	13.5	11.8	3314374
	CT*F4860*6A*	G*V81155C**	45,500	33,700	13.5	11.8	3314375
	CT*F4860*6A*	G*V90905D**	45,500	33,700	13.5	11.8	3314376
	CT*F4860*6A*	G*V950905D**	45,500	33,700	13.5	11.8	3314377
	CT*F4860*6A*	G*V951155D**	45,500	33,700	13.5	11.8	3314378
	CT*F4860*6A*+EEP		45,500	33,700	13.0	11.5	3314379
	CT*F4860*6A*	MBE2000**-1B*	45,500	33,700	14.0	12.2	3315414
	CT*F4860*6A*+TXV	G*E80905C**	45,500	33,700	13.5	11.8	3314380
	CT*F4860*6A*+TXV	G*E81155C**	45,500	33,700	13.5	11.8	3314381
VSC13 0601A*	ADPF486016B*		57,000	41,000	13.0	11.5	3314382
	AEPF426016C*		57,000	41,000	13.5	11.9	3314383
	AR*F486016B*		57,000	41,000	13.0	11.5	3314384
	AR*F496116A*		57,000	41,000	13.0	11.5	3314385
	ASPF426016B*		57,000	41,000	13.5	11.9	3314386
	ASPF426016B*+TXV		57,000	41,000	14.0	12.2	3315394
	AT*F486016A*		57,000	41,000	13.0	11.5	3314387
	CA*F4860*6B*	G*V81155C**	57,000	41,000	13.3	11.7	3314388
	CA*F4860*6B*	G*V90905D**	57,000	41,000	13.3	11.7	3314389
	CA*F4860*6B*+EEP		57,000	41,000	13.0	11.5	3314390
	CA*F4860*6B*	MBE2000**-1B*	57,000	41,000	13.5	11.8	3315403
	CHPF4860D6C*	G*V81155C**	57,000	41,000	13.3	11.7	3314391
	CHPF4860D6C*	G*V90905D**	57,000	41,000	13.3	11.7	3314392

See Notes on Page 25.

ARI PERFORMANCE RATINGS (CONT.)

Outdoor Unit	Indoor Units		Cooling Capacity (BTU/h)				ARI #
	Coil & Blower Units	Furnace	Total	Sensible	SEER	EER	
VSC13 0601A* (cont.)	CHPF4860D6C*+EEP		57,000	41,000	13.0	11.5	3314393
	CHPF4860D6C*	MBE2000**-1B*	57,000	41,000	13.5	11.7	3315409
	CHTF4860D6A*+EEP		57,000	41,000	13.0	11.5	3314394
	CSCF4860N6C*	G*V81155C**	56,000	40,300	13.3	11.7	3314395
	CSCF4860N6C*	G*V90905D**	56,000	40,300	13.3	11.7	3314396
	CSCF4860N6C*+EEP		56,000	40,300	13.0	11.5	3314397
	CT*F4860*6A*	G*V80905C**	57,000	41,000	13.3	11.7	3314398
	CT*F4860*6A*	G*V81155C**	57,000	41,000	13.3	11.7	3314399
	CT*F4860*6A*	G*V90905D**	57,000	41,000	13.3	11.7	3314400
	CT*F4860*6A*+EEP		57,000	41,000	13.0	11.5	3314401
	CT*F4860*6A*	MBE2000**-1B*	57,000	41,000	13.5	11.8	3315415

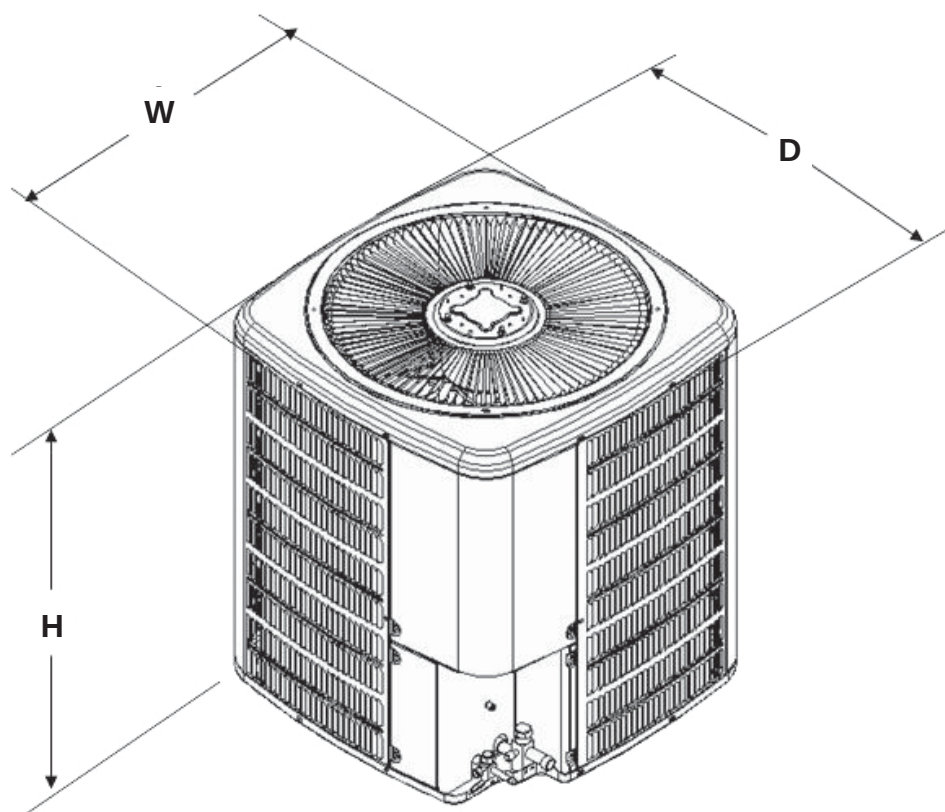
¹ Seasonal Energy Efficiency Ratio; Certified per ARI 210/240 @ 80°F/ 67°F/ 95°F

² Energy Efficiency Ratio @ 80 °F/67 °F Inside - 95 °F

Notes:

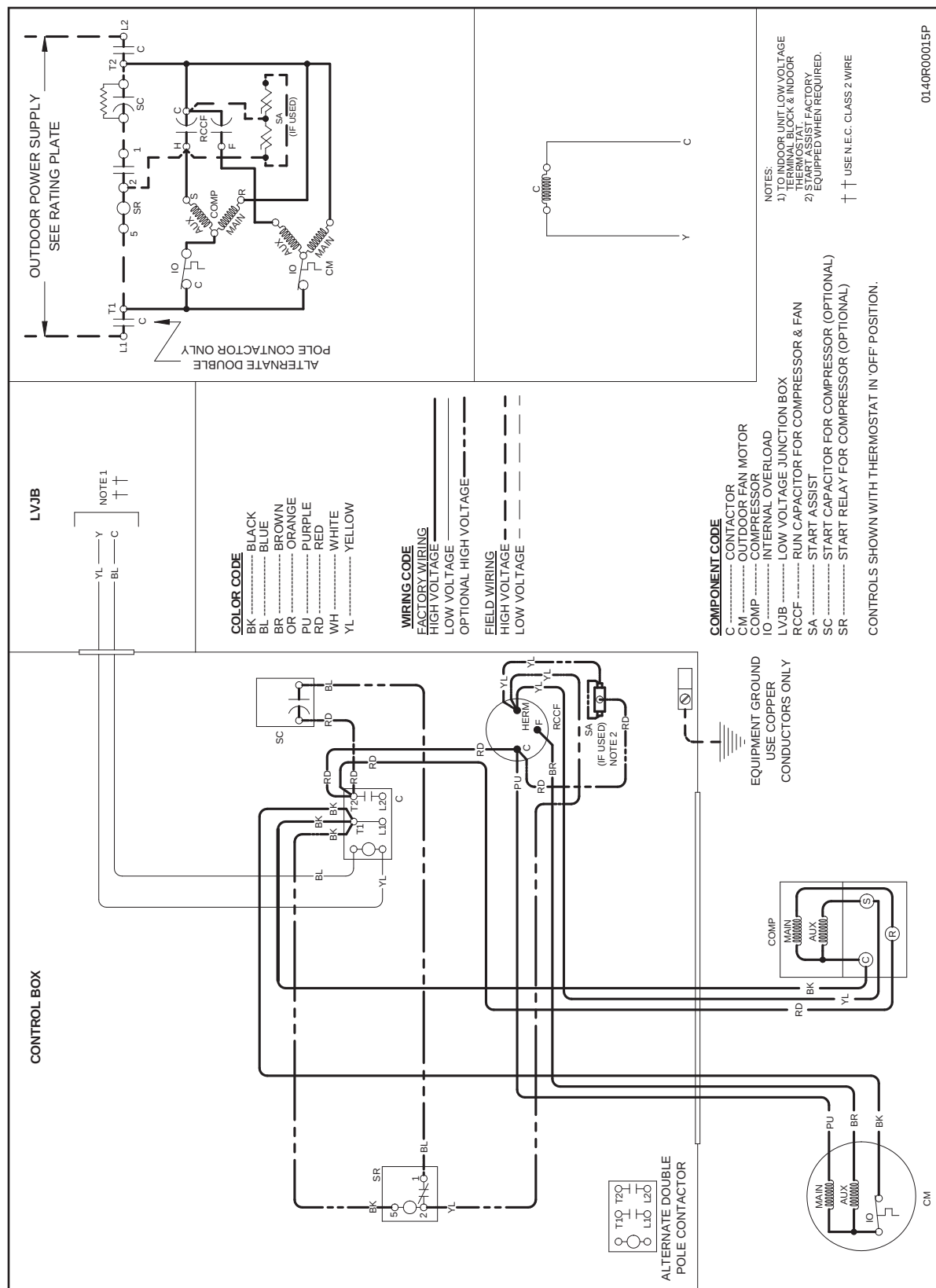
- Always check the S&R plate for electrical data on the unit being installed.
- When matching the outdoor unit to the indoor unit, use the piston supplied with the outdoor unit or that specified on the piston kit chart supplied with the indoor unit.
- EEP: Order from Service Dept. Part No. B13707-38 or new Solid State Board B13707-35S. Part No. B13707-38 is not interchangeable with B13707-35S. The Goodman Gas Furnace contains the EEP cooling time delay.

DIMENSIONS



Model	Dimensions		
	W"	D"	H"
VSC130181A*	26	26	29¾
VSC130241A*	26	26	27½
VSC130301A*	26	26	34¾
VSC130361A*	29	29	34¾
VSC130421A*	29	29	34¾
VSC130481A*	29	29	38¾
VSC130601A*	35½	35½	38¾

WIRING DIAGRAM



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

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

ACCESSORIES

Model	Description	VSC13 018	VSC13 024	VSC13 030	VSC13 036	VSC13 042	VSC13 048	VSC13 060
ABK-20	Anchor Bracket Kit ▼	X	X	X	X	X	X	X
ASC-01	Anti-Short Cycle Kit	X	X	X	X	X	X	X
TBA	Hard-start Kit	X	X	X	X			
TBA	Hard-start Kit				X	X	X	X
TBA	Hard-start Kit						X	X
FSK01A	Freeze Protection Kit ¹	X	X	X	X	X	X	X
LSK01A	Liquid Line Solenoid Kit ²	X	X	X	X	X	X	X
OT18-60A	Outdoor Thermostat	X	X	X	X	X	X	X
TX3N2 ²	TXV Kit	X	X	X	X			
TX5N2 ²	TXV Kit					X	X	X

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

¹ Installed on indoor coil

² Field-installed, non-bleed, expansion valve kit — Condensing units and heat pumps with reciprocating compressors require the use of start-assist components when used in conjunction with an indoor coil using a non-bleed thermal expansion valve refrigerant metering device or liquid line solenoid kit.

