



Air Conditioning & Heating

COOLING CAPACITY: 35,000 TO 57,000 BTU/H

HEATING CAPACITY: 34,000 TO 58,000 BTU/H

GSZ13 COMMERCIAL

SPLIT SYSTEM HEAT PUMP

3 TO 5 TONS / 13 SEER

Contents

Nomenclature	2
Product Specifications	3
Expanded Cooling Data	4
Expanded Heating Data	14
AHRI Ratings	16
Dimensions	18
Wiring Diagram	19
Accessories	20



Standard Features

- R-410A chlorine-free refrigerant
- Energy-efficient scroll compressor
- Low-pressure switch
- Liquid refrigerant return protection
- Factory-installed, bi-flow liquid-line filter drier
- Service valves with sweat connections and easy-access gauge ports
- Copper tube/enhanced aluminum fin coil
- Reliable time-initiated, temperature-terminated defrost control
- Contactor with lug connection
- Ground lug connection
- Complies with ASHRAE Standard 90.1
- AHRI Certified; ETL Listed

Cabinet Features

- Innovative sound control top design
- Steel louver coil guard
- Heavy-gauge galvanized-steel cabinet
- Attractive Architectural Gray powder-paint finish with 500-hour salt-spray approval
- Top and side maintenance access
- Service ports and controls are accessible while unit is operating
- When properly anchored, meets the 2001 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)



* Complete warranty details available from your local dealer or at www.goodmanmfg.com.



SS-GSZ13C

SPECIFICATIONS

	GSZ13 0363A*	GSZ13 0483A*	GSZ13 0484A*	GSZ13 0603A*	GSZ13 0604A*
NOMINAL CAPACITIES					
Cooling (BTU/h)	35,000	46,000	46,000	57,000	57,000
Heating (BTU/h)	34,000	44,000	44,000	58,000	58,000
Decibels	74	76	76	75	75
COMPRESSOR					
RLA	10.4	13.1	6.1	16.0	7.8
LRA	73.0	83.1	41.0	110.0	52.0
Type	Scroll	Scroll	Scroll	Scroll	Scroll
CONDENSER FAN MOTOR					
Horsepower	¼	¼	¼	¼	¼
FLA	1.50	1.50	0.80	1.50	0.80
REFRIGERATION SYSTEM					
Refrigerant Line Size ¹					
Liquid Line Size ("O.D.)	⅜"	⅜"	⅜"	⅜"	⅜"
Suction Line Size ("O.D.)	⅞"	1⅞"	1⅞"	1⅞"	1⅞"
Refrigerant Connection Size					
Liquid Valve Size ("O.D.)	⅜"	⅜"	⅜"	⅜"	⅜"
Suction Valve Size ("O.D.)	¾"	⅞"	⅞"	⅞"	⅞"
Valve Connection Type	Sweat	Sweat	Sweat	Sweat	Sweat
Refrigerant Charge	171	222	222	245	245
Shipped with Orifice Size	0.068	0.078	0.078	0.088	0.088
ELECTRICAL DATA					
Volts / Hz / Phase	208/230-60-3	208/230-60-3	460-60-3	208/230-60-3	460-60-3
Minimum Circuit Ampacity ²	14.5	17.9	8.4	21.5	10.6
Max. Overcurrent Protection ³	20	30	15	35	15
Min / Max Volts	197/253	197/253	414/506	197/253	414/506
Electrical Conduit Size	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"
SHIP WEIGHT (LBS)	232	235	234	262	261

¹ Tested and rated in accordance with ARI Standard 210/240

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

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

NOTES

- Always check the S&R plate for electrical data on the unit being installed.
- Installer will need to supply ⅞" to 1⅞" adapters for suction line connections.
- Unit is charged with refrigerant for 15' of ⅜" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.
- Installation of these units requires the specified TXV Kit to be installed on the indoor coil. THE SPECIFIED TXV IS DETERMINED BY THE OUTDOOR UNIT NOT THE INDOOR COIL.

EXPANDED COOLING DATA — GSZ130363A* / AR*F364216**

IDB		OUTDOOR AMBIENT TEMPERATURE																								
		65				75				85				95				105				115				
		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		
70	1425	MBh	33.8	35.0	38.4	-	33.0	34.2	37.5	-	32.2	33.4	36.6	-	31.4	32.6	35.7	-	29.9	31.0	33.9	-	27.7	28.7	31.4	-
		S/T	0.76	0.63	0.44	-	0.79	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	14	11	-	17	14	11	-	17	14	11	-	17	15	11	-	17	14	11	-	16	13	10	-
		kW	2.52	2.57	2.65	-	2.70	2.76	2.84	-	2.86	2.92	3.01	-	3.01	3.07	3.17	-	3.13	3.19	3.30	-	3.23	3.30	3.41	-
		Amps	6.6	6.8	7.0	-	7.1	7.3	7.5	-	7.7	7.9	8.1	-	8.2	8.4	8.6	-	8.7	8.9	9.2	-	9.2	9.4	9.7	-
	1275	Hi PR	238	256	270	-	267	287	303	-	303	327	345	-	346	372	393	-	389	418	442	-	430	462	488	-
		LO PR	107	114	124	-	113	120	131	-	117	125	136	-	123	131	143	-	129	137	150	-	134	142	155	-
		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	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.45	-	0.80	0.66	0.46	-	0.83	0.69	0.48	-	0.83	0.70	0.48	-
		ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-
1125	kW	2.51	2.56	2.63	-	2.69	2.74	2.83	-	2.85	2.91	3.00	-	2.99	3.05	3.15	-	3.11	3.18	3.28	-	3.21	3.28	3.39	-	
	Amps	6.6	6.8	7.0	-	7.1	7.3	7.5	-	7.7	7.8	8.1	-	8.1	8.3	8.6	-	8.6	8.8	9.1	-	9.1	9.3	9.6	-	
	Hi PR	236	254	268	-	265	285	301	-	301	324	342	-	343	369	390	-	386	416	439	-	427	459	485	-	
	LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-	
	MBh	31.6	32.8	35.9	-	30.9	32.0	35.1	-	30.2	31.3	34.3	-	29.4	30.5	33.4	-	28.0	29.0	31.7	-	25.9	26.8	29.4	-	
75	1425	S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
		kW	2.47	2.52	2.59	-	2.65	2.70	2.78	-	2.81	2.86	2.95	-	2.94	3.01	3.10	-	3.06	3.13	3.22	-	3.16	3.23	3.33	-
		Amps	6.5	6.6	6.8	-	7.0	7.1	7.3	-	7.5	7.7	7.9	-	8.0	8.2	8.4	-	8.5	8.7	8.9	-	9.0	9.2	9.4	-
		Hi PR	231	249	263	-	260	279	295	-	295	318	336	-	336	362	382	-	378	407	430	-	418	450	475	-
	1275	LO PR	104	111	121	-	110	117	128	-	114	121	133	-	120	128	139	-	126	134	146	-	130	138	151	-
		MBh	34.37	35.39	38.30	41.11	33.57	34.56	37.41	40.15	32.77	33.74	36.52	39.20	31.97	32.92	35.63	38.24	30.37	31.27	33.85	36.33	28.14	28.97	31.36	33.65
		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	19	18	14	10	19	18	15	10	19	18	15	10	19	18	15	10	19	18	14	10	18	17	14	9.3
		kW	2.54	2.59	2.67	2.7	2.72	2.78	2.87	3.0	2.89	2.95	3.04	3.1	3.03	3.10	3.19	3.3	3.15	3.22	3.32	3.4	3.26	3.33	3.43	3.5
1125	Amps	6.7	6.9	7.1	7.3	7.2	7.4	7.6	7.8	7.8	7.9	8.2	8.5	8.3	8.5	8.7	9.0	8.8	9.0	9.2	9.6	9.2	9.5	9.8	10.1	
	Hi PR	240	259	273	284.7	270	290	306	319.5	307	330	348	363.4	349	376	397	413.8	393	423	446	465.6	434	467	493	514.4	
	LO PR	108	115	125	133.5	114	121	132	141.0	118	126	138	146.6	124	132	145	154.0	130	139	151	161.3	135	144	157	166.9	
	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	0.82	0.74	0.56	0.4	0.85	0.76	0.58	0.4	0.88	0.78	0.59	0.4	0.90	0.81	0.61	0.4	0.94	0.84	0.64	0.4	0.95	0.85	0.64	0.4	
75	1275	ΔT	20	19	15	10	20	19	15	11	20	19	15	11	21	19	15	11	20	19	15	11	19	17	14	9.9
		kW	2.53	2.58	2.65	2.7	2.71	2.77	2.85	2.9	2.87	2.93	3.02	3.1	3.01	3.08	3.17	3.3	3.14	3.20	3.30	3.4	3.24	3.31	3.42	3.5
		Amps	6.7	6.8	7.0	7.3	7.2	7.3	7.5	7.8	7.7	7.9	8.1	8.4	8.2	8.4	8.7	9.0	8.7	8.9	9.2	9.5	9.2	9.4	9.7	10.1
		Hi PR	239	257	271	282.7	268	288	304	317.3	304	328	346	360.8	347	373	394	411.0	390	420	443	462.3	431	464	490	510.8
		LO PR	107	114	124	132.5	113	120	131	140.0	118	125	137	145.5	124	131	144	152.9	130	138	150	160.2	134	143	156	165.7
	1125	MBh	32.2	33.1	35.9	38.5	31.4	32.4	35.0	37.6	30.7	31.6	34.2	36.7	29.9	30.8	33.3	35.8	28.4	29.3	31.7	34.0	26.3	27.1	29.3	31.5
		S/T	0.79	0.71	0.53	0.3	0.82	0.73	0.55	0.4	0.84	0.75	0.57	0.4	0.87	0.77	0.59	0.4	0.90	0.80	0.61	0.4	0.91	0.81	0.61	0.4
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10.2
		kW	2.49	2.54	2.61	2.7	2.67	2.72	2.81	2.9	2.83	2.89	2.97	3.1	2.97	3.03	3.12	3.2	3.09	3.15	3.25	3.4	3.19	3.26	3.36	3.5
		Amps	6.6	6.7	6.9	7.1	7.0	7.2	7.4	7.7	7.6	7.8	8.0	8.3	8.1	8.3	8.5	8.8	8.6	8.8	9.0	9.3	9.0	9.2	9.5	9.9
1125	Hi PR	234	252	266	277.1	262	282	298	310.9	298	321	339	353.6	340	366	386	402.7	382	411	434	453.1	422	455	480	500.6	
	LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162	

EXPANDED COOLING DATA — GSZ130363A* / AR*F364216** (CONT.)

IDB		OUTDOOR AMBIENT TEMPERATURE																													
		65						75						95						105						115					
		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			
1425	MBh	34.98	35.75	38.19	40.82	34.17	34.91	37.30	39.88	33.35	34.08	36.41	38.93	32.54	33.25	35.53	37.98	30.91	31.59	33.75	36.08	28.64	29.26	31.26	33.42	28.64	29.26	31.26	33.42		
	S/T	0.94	0.89	0.72	0.54	0.98	0.92	0.75	0.56	1.00	0.94	0.77	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62		
	ΔT	21	20	18	14	22	21	18	14	22	21	18	14	21	21	18	14	20	20	18	14	18	19	17	13.3	18	19	17	13.3		
	kW	2.56	2.61	2.69	2.8	2.75	2.80	2.89	3.0	2.91	2.97	3.06	3.2	3.06	3.12	3.22	3.3	3.18	3.25	3.35	3.5	3.29	3.36	3.46	3.6	3.29	3.36	3.46	3.6		
	Amps	6.8	6.9	7.1	7.4	7.3	7.4	7.6	7.9	7.8	8.0	8.3	8.6	8.3	8.5	8.8	9.1	8.8	9.0	9.3	9.7	9.3	9.5	9.8	10.2	9.3	9.5	9.8	10.2		
	HI PR	243	261	276	287.6	272	293	309	322.7	310	333	352	367.0	353	380	401	418.0	397	427	451	470.3	438	472	498	519.6	438	472	498	519.6		
80	LO PR	109	116	127	134.8	115	123	134	142.4	120	127	139	148.0	126	134	146	155.5	132	140	153	163.0	136	145	158	168.6	136	145	158	168.6		
	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	28.2	28.8	30.8	32.9		
	S/T	0.90	0.85	0.69	0.5	0.94	0.88	0.72	0.5	0.96	0.90	0.73	0.5	0.99	0.93	0.76	0.6	1.00	0.97	0.79	0.6	1.00	0.97	0.79	0.6	1.00	0.97	0.79	0.6		
	ΔT	22	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	22	19	15	20	20	18	14.1	20	20	18	14.1		
	kW	2.55	2.60	2.67	2.8	2.73	2.79	2.87	3.0	2.89	2.95	3.05	3.1	3.04	3.10	3.20	3.3	3.16	3.23	3.33	3.4	3.27	3.34	3.44	3.6	3.27	3.34	3.44	3.6		
	Amps	6.7	6.9	7.1	7.3	7.2	7.4	7.6	7.9	7.8	8.0	8.2	8.5	8.3	8.5	8.7	9.0	8.8	9.0	9.3	9.6	9.3	9.5	9.8	10.1	9.3	9.5	9.8	10.1		
1125	HI PR	241	259	274	285.6	270	291	307	320.5	308	331	349	364.5	350	377	398	415.1	394	424	448	467.0	435	468	495	516.0	435	468	495	516.0		
	LO PR	108	115	126	133.9	114	122	133	141.5	119	126	138	147.0	125	133	145	154.4	131	139	152	161.8	135	144	157	167.4	135	144	157	167.4		
	MBh	32.7	33.5	35.7	38.2	32.0	32.7	34.9	37.3	31.2	31.9	34.1	36.4	30.5	31.1	33.3	35.5	28.9	29.6	31.6	33.8	26.8	27.4	29.3	31.3	26.8	27.4	29.3	31.3		
	S/T	0.87	0.81	0.66	0.5	0.90	0.84	0.69	0.5	0.92	0.86	0.70	0.5	0.95	0.89	0.73	0.5	0.99	0.92	0.75	0.6	0.99	0.93	0.76	0.6	0.99	0.93	0.76	0.6		
	ΔT	23	22	19	15	23	22	20	16	23	23	20	16	24	23	20	16	23	22	19	16	22	21	18	14.5	22	21	18	14.5		
	kW	2.51	2.56	2.63	2.7	2.69	2.74	2.83	2.9	2.85	2.91	3.00	3.1	2.99	3.05	3.15	3.2	3.11	3.18	3.28	3.4	3.21	3.28	3.39	3.5	3.21	3.28	3.39	3.5		
1125	Amps	6.6	6.8	7.0	7.2	7.1	7.3	7.5	7.7	7.8	8.1	8.4	8.1	8.3	8.6	8.9	8.6	8.8	9.1	9.4	9.1	9.3	9.6	10.0	9.1	9.3	9.6	10.0			
	HI PR	236	254	268	279.9	265	285	301	314.1	301	324	342	357.2	343	369	390	406.8	386	416	439	457.7	427	459	485	505.7	427	459	485	505.7		
	LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164	133	141	154	164		

85	1425	MBh	35.59	36.28	38.00	40.54	34.76	35.44	37.11	39.60	33.94	34.59	36.23	38.65	33.11	33.75	35.35	37.71	31.45	32.06	33.58	35.82	29.14	29.70	31.11	33.19
		S/T	0.99	0.96	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	22	21	18	22	23	21	19	22	22	21	19	21	21	22	22	19	20	21	21	18	19	20	17.2
		kW	2.58	2.63	2.71	2.8	2.77	2.82	2.91	3.0	2.93	2.99	3.09	3.2	3.08	3.14	3.24	3.3	3.20	3.27	3.38	3.5	3.31	3.38	3.49	3.6
		Amps	6.8	7.0	7.2	7.4	7.3	7.5	7.7	8.0	7.9	8.1	8.3	8.6	8.4	8.6	8.8	9.2	8.9	9.1	9.4	9.7	9.4	9.6	9.9	10.3
	HI PR	245	264	278	290.5	275	296	313	325.9	313	337	355	370.7	356	383	405	422.2	401	431	455	475.0	443	476	503	524.8	
	LO PR	110	117	128	136.2	116	124	135	143.9	121	129	140	149.5	127	135	147	157.1	133	142	155	164.6	138	146	160	170.3	
	1275	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	0.95	0.91	0.83	0.7	0.98	0.95	0.86	0.7	1.00	0.97	0.88	0.7	1.00	1.00	0.91	0.7	1.00	1.00	0.94	0.8	1.00	1.00	0.95	0.8
		ΔT	24	24	22	19	24	24	23	20	24	24	23	20	24	24	23	20	22	23	22	19	21	21	21	18.1
kW		2.57	2.62	2.70	2.8	2.75	2.81	2.89	3.0	2.92	2.98	3.07	3.2	3.06	3.13	3.23	3.3	3.19	3.25	3.36	3.5	3.29	3.36	3.47	3.6	
Amps		6.8	6.9	7.1	7.4	7.3	7.4	7.7	7.9	7.9	8.0	8.3	8.6	8.4	8.5	8.8	9.1	8.9	9.1	9.3	9.7	9.4	9.6	9.9	10.2	
1125	HI PR	243	262	277	288.5	273	294	310	323.7	311	334	353	368.1	354	381	402	419.3	398	428	452	471.7	440	473	500	521.1	
	LO PR	109	116	127	135.2	116	123	134	142.9	120	128	139	148.5	126	134	146	156.0	132	141	153	163.5	137	145	159	169.1	
	MBh	33.3	34.0	35.6	37.9	32.5	33.2	34.7	37.1	31.8	32.4	33.9	36.2	31.0	31.6	33.1	35.3	29.4	30.0	31.4	33.5	27.3	27.8	29.1	31.1	
	S/T	0.91	0.88	0.79	0.6	0.94	0.91	0.82	0.7	0.96	0.93	0.84	0.7	1.00	0.96	0.87	0.7	1.00	1.00	0.90	0.7	1.00	1.00	0.91	0.7	
	ΔT	25	24	23	20	25	25	23	20	25	25	23	20	25	25	23	20	24	24	23	20	22	23	22	18.7	
1125	kW	2.53	2.58	2.65	2.7	2.71	2.77	2.85	2.9	2.87	2.93	3.02	3.1	3.01	3.08	3.17	3.3	3.14	3.20	3.30	3.4	3.24	3.31	3.41	3.5	
	Amps	6.7	6.8	7.0	7.3	7.2	7.3	7.5	7.8	7.7	7.9	8.1	8.4	8.2	8.4	8.7	9.0	8.7	8.9	9.2	9.5	9.2	9.4	9.7	10.0	
	HI PR	239	257	271	282.7	268	288	304	317.2	304	328	346	360.8	347	373	394	410.9	390	420	443	462.2	431	464	490	510.7	
	LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	131	144	153	130	138	150	160	134	143	156	166	
	LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	131	144	153	130	138	150	160	134	143	156	166	

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

EXPANDED COOLING DATA — GSZ130483A* / AR*F486016**

		OUTDOOR AMBIENT TEMPERATURE																																			
		65						75						85						95						105						115					
		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				
ENTERING INDOOR WET BULB TEMPERATURE																																					
70	1800	MBh	45.1	46.7	51.2	-	44.0	45.6	50.0	-	43.0	44.5	48.8	-	41.9	43.5	47.6	-	39.8	41.3	45.2	-	36.9	38.2	41.9	-	36.9	38.2	41.9	-	36.9	38.2	41.9	-			
		S/T	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.81	0.67	0.47	-	0.83	0.70	0.48	-	0.86	0.72	0.50	-	0.87	0.73	0.50	-	0.87	0.73	0.50	-	0.87	0.73	0.50	-			
		ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-	16	14	11	-	16	14	11	-			
		kW	3.26	3.32	3.42	-	3.49	3.55	3.66	-	3.69	3.76	3.88	-	3.87	3.95	4.07	-	4.02	4.10	4.23	-	4.15	4.24	4.37	-	4.15	4.24	4.37	-	4.15	4.24	4.37	-			
		Amps	7.5	7.7	7.9	-	8.1	8.3	8.5	-	8.7	8.9	9.2	-	9.3	9.5	9.8	-	9.9	10.1	10.4	-	10.4	10.7	11.0	-	10.4	10.7	11.0	-	10.4	10.7	11.0	-			
		HI PR	239	257	271	-	268	288	304	-	304	328	346	-	347	373	394	-	390	420	443	-	431	464	490	-	431	464	490	-	431	464	490	-			
70	1600	LO PR	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-	134	143	156	-	134	143	156	-			
		MBh	43.8	45.4	49.7	-	42.7	44.3	48.5	-	41.7	43.2	47.4	-	40.7	42.2	46.2	-	38.7	40.1	43.9	-	35.8	37.1	40.7	-	35.8	37.1	40.7	-	35.8	37.1	40.7	-			
		S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-	0.83	0.69	0.48	-	0.83	0.69	0.48	-			
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-	17	15	11	-			
		kW	3.23	3.29	3.39	-	3.46	3.53	3.63	-	3.66	3.73	3.85	-	3.84	3.92	4.04	-	3.99	4.07	4.20	-	4.12	4.20	4.33	-	4.12	4.20	4.33	-	4.12	4.20	4.33	-			
		Amps	7.4	7.6	7.8	-	8.0	8.2	8.4	-	8.7	8.9	9.1	-	9.2	9.4	9.7	-	9.8	10.0	10.3	-	10.3	10.6	10.9	-	10.3	10.6	10.9	-	10.3	10.6	10.9	-			
70	1400	HI PR	236	254	268	-	265	285	301	-	301	324	342	-	343	369	390	-	386	416	439	-	427	459	485	-	427	459	485	-	427	459	485	-			
		LO PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-	133	141	154	-	133	141	154	-			
		MBh	40.4	41.9	45.9	-	39.5	40.9	44.8	-	38.5	39.9	43.7	-	37.6	38.9	42.7	-	35.7	37.0	40.5	-	33.1	34.3	37.5	-	33.1	34.3	37.5	-	33.1	34.3	37.5	-			
		S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-	0.80	0.67	0.46	-	0.80	0.67	0.46	-			
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-	17	15	11	-	17	15	11	-			
		kW	3.16	3.22	3.31	-	3.38	3.45	3.55	-	3.58	3.65	3.76	-	3.75	3.83	3.94	-	3.89	3.98	4.10	-	4.02	4.10	4.23	-	4.02	4.10	4.23	-	4.02	4.10	4.23	-			
75	1800	Amps	7.3	7.4	7.6	-	7.8	8.0	8.2	-	8.4	8.6	8.9	-	9.0	9.2	9.5	-	9.5	9.7	10.0	-	10.1	10.3	10.6	-	10.1	10.3	10.6	-	10.1	10.3	10.6	-			
		HI PR	229	247	260	-	257	277	292	-	292	315	332	-	333	358	378	-	375	403	426	-	414	445	470	-	414	445	470	-	414	445	470	-			
		LO PR	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-	129	137	149	-	129	137	149	-			
		MBh	45.84	47.20	51.09	54.83	44.77	46.10	49.90	53.55	43.71	45.00	48.71	52.28	42.64	43.90	47.52	51.00	40.51	41.71	45.15	48.45	37.52	38.64	41.82	44.88	37.52	38.64	41.82	44.88	37.52	38.64	41.82	44.88			
		S/T	0.86	0.77	0.58	0.38	0.89	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.98	0.88	0.66	0.43	0.99	0.89	0.67	0.43	0.99	0.89	0.67	0.43	0.99	0.89	0.67	0.43			
		ΔT	20	19	15	11	20	19	15	11	20	19	15	11	21	19	16	11	21	19	15	11	20	19	14	10	20	19	14	10	20	19	14	10			
75	1600	kW	3.28	3.34	3.44	3.54	3.51	3.58	3.69	3.80	3.72	3.79	3.91	4.03	3.90	3.98	4.10	4.23	4.05	4.14	4.26	4.40	4.18	4.27	4.40	4.55	4.18	4.27	4.40	4.55	4.18	4.27	4.40	4.55			
		Amps	7.6	7.7	8.0	8.3	8.1	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.4	9.6	9.9	10.3	9.9	10.2	10.5	10.9	10.5	10.8	11.1	11.5	10.5	10.8	11.1	11.5	10.5	10.8	11.1	11.5			
		HI PR	241	259	274	286	270	291	307	320	307	331	349	364	350	377	398	415	394	424	448	467	435	468	495	516	435	468	495	516	435	468	495	516			
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167	135	144	157	167	135	144	157	167			
		MBh	44.5	45.8	49.6	53.2	43.5	44.8	48.4	52.0	42.4	43.7	47.3	50.8	41.4	42.6	46.1	49.5	39.3	40.5	43.8	47.0	36.4	37.5	40.6	43.6	36.4	37.5	40.6	43.6	36.4	37.5	40.6	43.6			
		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	0.94	0.84	0.64	0.41	0.94	0.84	0.64	0.41			
75	1400	ΔT	21	19	16	11	21	20	16	11	21	20	16	11	21	20	16	11	21	19	16	11	20	18	15	10	20	18	15	10	20	18	15	10			
		kW	3.26	3.32	3.42	3.52	3.49	3.56	3.66	3.77	3.69	3.76	3.88	4.00	3.87	3.95	4.07	4.20	4.02	4.10	4.23	4.36	4.15	4.24	4.37	4.51	4.15	4.24	4.37	4.51	4.15	4.24	4.37	4.51			
		Amps	7.5	7.7	7.9	8.2	8.1	8.3	8.5	8.8	8.7	8.9	9.2	9.5	9.3	9.5	9.8	10.2	9.9	10.1	10.4	10.8	10.4	10.7	11.0	11.4	10.4	10.7	11.0	11.4	10.4	10.7	11.0	11.4			
		HI PR	239	257	271	283	268	288	304	317	304	328	346	361	347	373	394	411	390	420	443	462	431	464	490	511	431	464	490	511	431	464	490	511			
		LO PR	107	114	124	133	113	120	131	140	118	125	137	146	124	131	144	153	130	138	150	160	134	143	156	166	134	143	156	166	134	143	156	166			
		MBh	41.1	42.3	45.8	49.1	40.1	41.3	44.7	48.0	39.2	40.3	43.7	46.8	38.2	39.34	42.6	45.7	36.3	37.4	40.5	43.4	33.6	34.6	37.5	40.2	33.6	34.6	37.5	40.2	33.6	34.6	37.5	40.2			
75	1800	S/T	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.63	0.41	0.91	0.81	0.62	0.40	0.91	0.81	0.62	0.40	0.91	0.81	0.62	0.40			
		ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	20	19	15	10	20	19	15	10	20	19	15	10			
		kW	3.19	3.25	3.34	3.44	3.41	3.48	3.58	3.68	3.60	3.68	3.79	3.90	3.78	3.86	3.97	4.10	3.93	4.01	4.13	4.26	4.05	4.14	4.27	4.40	4.05	4.14	4.27	4.40							

EXPANDED COOLING DATA — GSZ130483A* / AR*F486016** (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																																					
		65						75						85						95						105						115							
IDB	AIRFLOW	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	59	63	67	71	59	63	67	71		
80	1800	MBh	46.66	47.67	50.93	54.45	45.57	46.57	49.75	53.18	44.49	45.46	48.56	51.92	43.40	44.35	47.38	50.65	41.23	42.13	45.01	48.12	38.19	39.03	41.69	44.57													
	S/T	0.95	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	23	22	19	15	23	22	19	15	23	22	19	15	22	23	19	15	21	22	19	15	20	20	18	14														
	kW	3.30	3.37	3.47	3.57	3.54	3.61	3.72	3.83	3.75	3.82	3.94	4.06	3.93	4.01	4.13	4.26	4.08	4.17	4.30	4.43	4.22	4.31	4.44	4.58														
	Amps	7.6	7.8	8.0	8.3	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.7	9.5	9.7	10.0	10.3	10.0	10.3	10.6	11.0	10.6	10.9	11.2	11.6														
	HI PR	243	262	277	288	273	294	310	324	311	334	353	368	354	381	402	419	398	428	452	472	440	473	500	521														
	LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169														
	1600	MBh	45.3	46.3	49.5	52.9	44.2	45.2	48.3	51.6	43.2	44.1	47.2	50.4	42.1	43.1	46.0	49.2	40.0	40.9	43.7	46.7	37.1	37.9	40.5	43.3													
	S/T	0.90	0.85	0.69	0.51	0.94	0.88	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.56	1.00	0.96	0.78	0.59	1.00	0.97	0.79	0.59														
	ΔT	23	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	23	23	20	16	21	21	18	15														
	kW	3.28	3.34	3.44	3.54	3.51	3.58	3.69	3.80	3.72	3.79	3.91	4.03	3.90	3.98	4.10	4.23	4.05	4.14	4.26	4.40	4.18	4.27	4.41	4.55														
	Amps	7.6	7.7	8.0	8.3	8.1	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.4	9.6	9.9	10.3	10.0	10.2	10.5	10.9	10.5	10.8	11.1	11.5														
	HI PR	241	259	274	286	270	291	307	320	308	331	349	364	350	377	398	415	394	424	448	467	435	468	495	516														
	LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167														
	1400	MBh	41.8	42.7	45.6	48.8	40.8	41.7	44.6	47.7	39.9	40.7	43.5	46.5	38.9	39.7	42.5	45.4	36.9	37.8	40.3	43.1	34.2	35.0	37.4	39.9													
	S/T	0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.51	0.92	0.87	0.71	0.53	0.95	0.90	0.73	0.54	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57														
	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	22	19	15														
	kW	3.21	3.27	3.36	3.46	3.43	3.50	3.60	3.71	3.63	3.71	3.82	3.93	3.81	3.89	4.00	4.13	3.96	4.04	4.16	4.29	4.08	4.17	4.30	4.44														
	Amps	7.4	7.5	7.8	8.0	7.9	8.1	8.4	8.7	8.6	8.8	9.0	9.4	9.1	9.3	9.6	10.0	9.7	9.9	10.2	10.6	10.2	10.5	10.8	11.2														
	HI PR	234	252	266	277	262	282	298	311	298	321	339	354	340	366	386	403	382	411	434	453	422	454	480	501														
	LO PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	147	157	131	140	152	162														
	1800	MBh	47.47	48.39	50.68	54.07	46.37	47.26	49.50	52.81	45.26	46.14	48.32	51.55	44.16	45.01	47.14	50.29	41.95	42.76	44.79	47.78	38.86	39.61	41.49	44.26													
	S/T	0.99	0.96	0.86	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.92	0.74	1.00	1.00	0.90	0.73	1.00	1.00	0.98	0.80	1.00	1.00	0.99	0.80														
	ΔT	24	24	22	19	24	24	23	20	23	24	23	20	23	23	23	20	21	22	22	19	20	20	21	18														
	kW	3.33	3.39	3.49	3.60	3.56	3.64	3.74	3.86	3.77	3.85	3.97	4.09	3.96	4.04	4.16	4.30	4.11	4.20	4.33	4.47	4.25	4.34	4.48	4.62														
	Amps	7.7	7.9	8.1	8.4	8.3	8.5	8.7	9.0	9.0	9.2	9.5	9.8	9.5	9.8	10.1	10.4	10.1	10.4	10.7	11.1	10.7	11.0	11.3	11.7														
	HI PR	246	265	279	291	276	297	313	327	314	338	356	372	357	384	406	423	402	433	457	476	444	478	505	526														
	LO PR	110	117	128	137	117	124	135	144	121	129	141	150	127	135	148	158	133	142	155	165	138	147	160	171														
	1600	MBh	46.1	47.0	49.2	52.5	45.0	45.9	48.1	51.3	43.9	44.8	46.9	50.1	42.9	43.7	45.8	48.8	40.7	41.5	43.5	46.4	37.7	38.5	40.3	43.0													
	S/T	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.88	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	25	25	23	20	25	25	24	20	25	25	24	20	25	25	24	21	23	24	23	20	22	22	22	19														
	kW	3.30	3.37	3.47	3.57	3.54	3.61	3.72	3.83	3.75	3.82	3.94	4.06	3.93	4.01	4.13	4.26	4.08	4.17	4.30	4.43	4.22	4.31	4.44	4.58														
	Amps	7.6	7.8	8.0	8.3	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.7	9.5	9.7	10.0	10.3	10.0	10.3	10.6	11.0	10.6	10.9	11.2	11.6														
	HI PR	243	262	277	288	273	294	310	324	311	334	353	368	354	381	402	419	398	428	452	472	440	473	500	521														
	LO PR	109	116	127	135	116	123	134	143	120	128	139	148	126	134	146	156	132	141	153	163	137	145	159	169														
	1400	MBh	42.5	43.4	45.4	48.5	41.5	42.4	44.4	47.3	40.6	41.3	43.3	46.2	39.6	40.3	42.2	45.1	37.6	38.3	40.1	42.8	34.8	35.5	37.2	39.7													
	S/T	0.91	0.88	0.79	0.64	0.95	0.91	0.82	0.67	0.97	0.94	0.84	0.68	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74														
	ΔT	25	25	24	21	26	25	24	21	26	25	24	21	26	26	24	21	25	25	24	21	23	23	22	19														
	kW	3.23	3.29	3.39	3.49	3.46	3.53	3.63	3.74	3.66	3.73	3.85	3.96	3.84	3.92	4.03	4.16	3.99	4.07	4.20	4.33	4.12	4.20	4.33	4.47														
	Amps	7.4	7.6	7.8	8.1	8.0	8.2	8.4	8.7	8.7	8.9	9.1	9.5	9.2	9.4	9.7	10.1	9.8	10.0	10.3	10.7	10.3	10.6	10.9	11.3														
	HI PR	236	254	268	280	265	285	301	314	301	324	342	357	343	369	390	407	386	415	439	458	427	459	485	506														
	LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	159	133	141	154	164														

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

Shaded area is AHRI (TVA) conditions

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

EXPANDED COOLING DATA — GSZ130484A* / AR*F486016**

		OUTDOOR AMBIENT TEMPERATURE																													
		65					75					85					95					105					115				
		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	1800	MBh	45.1	46.7	51.2	-	44.0	45.6	50.0	-	43.0	44.5	48.8	-	41.9	43.5	47.6	-	39.8	41.3	45.2	-	36.9	38.2	41.9	-					
		S/T	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.81	0.67	0.47	-	0.83	0.70	0.48	-	0.86	0.72	0.50	-	0.87	0.73	0.50	-					
		ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-					
		kW	3.25	3.31	3.41	-	3.48	3.54	3.65	-	3.68	3.75	3.87	-	3.86	3.94	4.06	-	4.01	4.09	4.22	-	4.14	4.23	4.36	-					
		Amps	4.4	4.5	4.7	-	4.7	4.9	5.0	-	5.1	5.2	5.4	-	5.5	5.6	5.7	-	5.8	5.9	6.1	-	6.1	6.2	6.4	-					
	1600	Hi PR	243	261	276	-	272	293	309	-	310	333	352	-	353	380	401	-	397	427	451	-	438	472	498	-					
		Lo PR	107	114	124	-	113	120	131	-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	-					
		MBh	43.8	45.4	49.7	-	42.7	44.3	48.5	-	41.7	43.2	47.4	-	40.7	42.2	46.2	-	38.7	40.1	43.9	-	35.8	37.1	40.7	-					
		S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-					
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-					
1400	kW	3.22	3.28	3.38	-	3.45	3.52	3.62	-	3.65	3.72	3.84	-	3.83	3.91	4.03	-	3.98	4.06	4.19	-	4.11	4.19	4.32	-						
	Amps	4.4	4.5	4.6	-	4.7	4.8	5.0	-	5.1	5.2	5.4	-	5.4	5.5	5.7	-	5.7	5.9	6.0	-	6.0	6.2	6.4	-						
	Hi PR	240	259	273	-	270	290	306	-	307	330	348	-	349	376	397	-	393	423	447	-	434	467	493	-						
	Lo PR	106	113	123	-	112	119	130	-	116	124	135	-	122	130	142	-	128	136	149	-	133	141	154	-						
	MBh	40.4	41.9	45.9	-	39.5	40.9	44.8	-	38.5	39.9	43.7	-	37.6	38.9	42.7	-	35.7	37.0	40.5	-	33.1	34.3	37.5	-						
75	1800	S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-					
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-					
		kW	3.15	3.21	3.30	-	3.37	3.44	3.54	-	3.57	3.64	3.75	-	3.74	3.82	3.93	-	3.88	3.97	4.09	-	4.01	4.09	4.22	-					
		Amps	4.3	4.4	4.5	-	4.6	4.7	4.8	-	5.0	5.1	5.2	-	5.3	5.4	5.6	-	5.6	5.7	5.9	-	5.9	6.0	6.2	-					
		Hi PR	233	251	265	-	262	281	297	-	297	320	338	-	339	365	385	-	381	410	433	-	421	453	479	-					
	1600	Lo PR	103	109	120	-	109	116	126	-	113	120	131	-	119	126	138	-	124	132	144	-	129	137	149	-					
		MBh	45.84	47.20	51.09	54.83	44.77	46.10	49.90	53.55	43.71	45.00	48.71	52.28	42.64	43.90	47.52	51.00	40.51	41.71	45.15	48.45	37.52	38.64	41.82	44.88					
		S/T	0.86	0.77	0.58	0.38	0.89	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.98	0.88	0.66	0.43	0.99	0.89	0.67	0.43					
		ΔT	20	19	15	11	20	19	15	11	20	19	15	11	21	19	16	11	20	19	15	11	19	17	14	10					
		kW	3.27	3.33	3.43	3.53	3.50	3.57	3.68	3.79	3.71	3.78	3.90	4.02	3.89	3.97	4.09	4.22	4.04	4.13	4.25	4.39	4.17	4.26	4.39	4.54					
1400	Amps	4.5	4.6	4.7	4.9	4.78	4.9	5.0	5.2	5.2	5.3	5.4	5.6	5.5	5.6	5.8	6.0	5.8	6.0	6.1	6.4	6.2	6.3	6.5	6.7						
	Hi PR	245	264	279	291	275	296	313	326	313	337	356	371	356	383	405	422	401	431	456	475	443	477	503	525						
	Lo PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167						
	MBh	44.5	45.8	49.6	53.2	43.5	44.8	48.4	52.0	42.4	43.7	47.3	50.8	41.4	42.6	46.1	49.5	39.3	40.5	43.8	47.0	36.4	37.5	40.6	43.6						
	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						
1200	ΔT	21	19	16	11	21	20	16	11	21	20	16	11	21	20	16	11	21	19	16	11	20	18	15	10						
	kW	3.25	3.31	3.41	3.51	3.48	3.55	3.65	3.76	3.68	3.75	3.87	3.99	3.86	3.94	4.06	4.19	4.01	4.09	4.22	4.35	4.14	4.23	4.36	4.50						
	Amps	4.4	4.5	4.7	4.8	4.8	4.9	5.0	5.2	5.1	5.2	5.4	5.6	5.5	5.6	5.8	6.0	5.8	5.9	6.1	6.3	6.1	6.2	6.4	6.7						
	Hi PR	243	261	276	288	272	293	310	323	310	333	352	367	353	380	401	418	397	427	451	470	439	472	498	520						
	Lo PR	107	114	124	133	113	120	131	140	118	125	137	146	124	131	144	153	130	138	150	160	134	143	156	166						
900	MBh	41.1	42.3	45.8	49.1	40.1	41.3	44.7	48.0	39.2	40.3	43.7	46.8	38.2	39.34	42.6	45.7	36.3	37.4	40.5	43.4	33.6	34.6	37.5	40.2						
	S/T	0.79	0.71	0.54	0.35	0.82	0.74	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	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	20	19	15	10						
	kW	3.18	3.24	3.33	3.43	3.40	3.47	3.57	3.67	3.59	3.67	3.78	3.89	3.77	3.85	3.96	4.09	3.92	4.00	4.12	4.25	4.04	4.13	4.26	4.39						
	Amps	4.3	4.4	4.5	4.7	4.6	4.7	4.9	5.0	5.0	5.1	5.3	5.4	5.3	5.4	5.6	5.8	5.6	5.8	5.9	6.1	5.9	6.1	6.3	6.5						
600	Hi PR	235	253	268	279	264	284	300	313	300	323	341	356	342	368	389	406	385	414	438	456	425	458	483	504						
	Lo PR	104	111	121	129	110	117	128	136	114	121	133	141	120	128	139	148	126	134	146	155	130	138	151	161						
	MBh	37.5	38.8	42.7	46.5	35.8	37.1	40.7	44.5	33.1	34.3	37.5	41.3	30.6	31.8	35.0	38.2	28.7	30.0	33.2	36.4	27.0	28.3	31.5	34.7						
	S/T	0.66	0.56	0.40	0.26	0.68	0.59	0.43	0.28	0.70	0.60	0.44	0.29	0.72	0.62	0.46	0.30	0.73	0.62	0.46	0.30	0.75	0.64	0.48	0.31						
	ΔT	16	14	10	7	16	14	10	7	16	14	10	7	16	14	10	7	16	14	10	7	16	14	10	7						
		Shaded area is ACCA (TVA) conditions															kW= Total system power Amps = outdoor unit amps (comp.+fan)														

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

Shaded area is ACCA (TVA) conditions

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

EXPANDED COOLING DATA — GSZ130484A* / AR*F486016** (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																																				
		65						75						85						95						105						115						
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	1800	46.66	47.67	50.93	54.45	45.57	46.57	49.75	53.18	44.49	45.46	48.56	51.92	43.40	44.35	47.38	50.65	41.23	42.13	45.01	48.12	38.19	39.03	41.69	44.57	1.00	0.95	0.89	0.82	0.75	0.69	0.63	0.57	0.51	0.45	0.39	0.33	0.27
	S/T	0.95	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	1.00	0.95	0.89	0.82	0.75	0.69	0.63	0.57	0.51	0.45	0.39	0.33	0.27
	ΔT	23	22	19	15	23	22	19	15	23	22	19	15	22	23	19	15	21	22	19	15	20	20	18	14	20	19	17	15	13	11	9	7	5	3	1	0	
	kW	3.29	3.36	3.46	3.56	3.53	3.60	3.71	3.82	3.74	3.81	3.93	4.05	3.92	4.00	4.12	4.25	4.07	4.16	4.29	4.42	4.21	4.30	4.43	4.57	2.1	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4	0.2	0.1	0.0
	Amps	4.5	4.6	4.7	4.9	4.8	4.9	5.1	5.3	5.2	5.3	5.5	5.7	5.5	5.7	5.9	6.1	5.9	6.0	6.2	6.4	6.2	6.4	6.6	6.8	5.0	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.8	
1600	1800	46.66	47.67	50.93	54.45	45.57	46.57	49.75	53.18	44.49	45.46	48.56	51.92	43.40	44.35	47.38	50.65	41.23	42.13	45.01	48.12	38.19	39.03	41.69	44.57	1.00	0.95	0.89	0.82	0.75	0.69	0.63	0.57	0.51	0.45	0.39	0.33	0.27
	S/T	0.90	0.85	0.69	0.51	0.94	0.88	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.56	1.00	0.96	0.78	0.59	1.00	0.97	0.79	0.59	1.00	0.95	0.89	0.82	0.75	0.69	0.63	0.57	0.51	0.45	0.39	0.33	0.27
	ΔT	23	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	23	23	20	16	21	21	18	15	20	19	17	15	13	11	9	7	5	3	1	0	
	kW	3.27	3.33	3.43	3.53	3.50	3.57	3.68	3.79	3.71	3.78	3.90	4.02	3.89	3.97	4.09	4.22	4.04	4.13	4.25	4.39	4.17	4.26	4.40	4.54	2.1	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4	0.2	0.1	0.0
	Amps	4.5	4.6	4.7	4.9	4.8	4.9	5.0	5.2	5.2	5.3	5.5	5.6	5.5	5.6	5.8	6.0	5.8	6.0	6.2	6.4	6.2	6.3	6.5	6.7	5.0	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.8	
1400	1800	46.66	47.67	50.93	54.45	45.57	46.57	49.75	53.18	44.49	45.46	48.56	51.92	43.40	44.35	47.38	50.65	41.23	42.13	45.01	48.12	38.19	39.03	41.69	44.57	1.00	0.95	0.89	0.82	0.75	0.69	0.63	0.57	0.51	0.45	0.39	0.33	0.27
	S/T	0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.51	0.92	0.87	0.71	0.53	0.95	0.90	0.73	0.54	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57	1.00	0.95	0.89	0.82	0.75	0.69	0.63	0.57	0.51	0.45	0.39	0.33	0.27
	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	22	19	15	20	19	17	15	13	11	9	7	5	3	1	0	
	kW	3.20	3.26	3.35	3.45	3.42	3.49	3.59	3.70	3.62	3.70	3.81	3.92	3.80	3.88	3.99	4.12	3.95	4.03	4.15	4.28	4.07	4.16	4.29	4.43	2.1	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4	0.2	0.1	0.0
	Amps	4.4	4.4	4.6	4.7	4.7	4.8	4.9	5.1	5.0	5.2	5.3	5.5	5.4	5.5	5.7	5.8	5.7	5.8	6.0	6.2	6.0	6.1	6.3	6.6	5.0	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.8	
85	1800	47.47	48.39	50.68	54.07	46.37	47.26	49.50	52.81	45.26	46.14	48.32	51.55	44.16	45.01	47.14	50.29	41.95	42.76	44.79	47.78	38.86	39.61	41.49	44.26	1.00	0.96	0.90	0.83	0.76	0.69	0.63	0.57	0.51	0.45	0.39	0.33	0.27
	S/T	0.99	0.96	0.86	0.70	1.00	0.99	0.90	0.73	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	1.00	0.96	0.90	0.83	0.76	0.69	0.63	0.57	0.51	0.45	0.39	0.33	0.27
	ΔT	24	24	22	19	24	24	23	20	23	24	23	20	23	23	23	20	21	22	22	19	20	20	21	18	20	19	17	15	13	11	9	7	5	3	1	0	
	kW	3.32	3.38	3.48	3.59	3.55	3.63	3.73	3.85	3.76	3.84	3.96	4.08	3.95	4.03	4.15	4.29	4.10	4.19	4.32	4.46	4.24	4.33	4.47	4.61	2.1	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4	0.2	0.1	0.0
	Amps	4.5	4.6	4.8	4.9	4.9	5.0	5.1	5.3	5.3	5.4	5.5	5.7	5.6	5.7	5.9	6.1	5.9	6.1	6.3	6.5	6.3	6.4	6.6	6.8	5.0	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.8	
1600	1800	47.47	48.39	50.68	54.07	46.37	47.26	49.50	52.81	45.26	46.14	48.32	51.55	44.16	45.01	47.14	50.29	41.95	42.76	44.79	47.78	38.86	39.61	41.49	44.26	1.00	0.96	0.90	0.83	0.76	0.69	0.63	0.57	0.51	0.45	0.39	0.33	0.27
	S/T	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.88	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	1.00	0.96	0.90	0.83	0.76	0.69	0.63	0.57	0.51	0.45	0.39	0.33	0.27
	ΔT	25	25	23	20	25	25	24	20	25	25	24	20	25	25	24	21	23	24	23	20	22	22	22	19	20	19	17	15	13	11	9	7	5	3	1	0	
	kW	3.29	3.36	3.46	3.56	3.53	3.60	3.71	3.82	3.74	3.81	3.93	4.05	3.92	4.00	4.12	4.25	4.07	4.16	4.29	4.42	4.21	4.30	4.43	4.57	2.1	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4	0.2	0.1	0.0
	Amps	4.5	4.6	4.7	4.9	4.8	4.9	5.1	5.3	5.2	5.3	5.5	5.7	5.5	5.7	5.9	6.1	5.9	6.0	6.2	6.4	6.2	6.4	6.6	6.8	5.0	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.8	
1400	1800	47.47	48.39	50.68	54.07	46.37	47.26	49.50	52.81	45.26	46.14	48.32	51.55	44.16	45.01	47.14	50.29	41.95	42.76	44.79	47.78	38.86	39.61	41.49	44.26	1.00	0.96	0.90	0.83	0.76	0.69	0.63	0.57	0.51	0.45	0.39	0.33	0.27
	S/T	0.91	0.88	0.79	0.64	0.95	0.91	0.82	0.67	0.97	0.94	0.84	0.68	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.95	0.77	1.00	0.96	0.90	0.83	0.76	0.69	0.63	0.57	0.51	0.45	0.39	0.33	0.27
	ΔT	25	25	24	21	26	25	24	21	26	25	24	21	26	26	24	21	25	25	24	21	23	23	23	20	20	19	17	15	13	11	9	7	5	3	1	0	
	kW	3.22	3.28	3.38	3.48	3.45	3.52	3.62	3.73	3.65	3.72	3.84	3.95	3.83	3.91	4.02	4.15	3.98	4.06	4.19	4.32	4.11	4.19	4.32	4.46	2.1	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4	0.2	0.1	0.0
	Amps	4.4	4.5	4.6	4.8	4.7	4.8	5.0	5.1	5.1	5.2	5.4	5.5	5.4	5.5	5.7	5.9	5.7	5.9	6.0	6.3	6.0	6.2	6.4	6.6	5.0	4.8	4.6	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.8	

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

Shaded area is AHRI (TVA) conditions

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

EXPANDED COOLING DATA — GSZ130603A* /AR*F486016**

		OUTDOOR AMBIENT TEMPERATURE																													
		65				75				85				95				105				115									
		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	55.9	57.9	63.4	-	54.6	56.5	62.0	-	53.3	55.2	60.5	-	52.0	53.9	59.0	-	49.4	51.2	56.1	-	45.7	47.4	51.9	-	45.7	47.4	51.9	-	
		S/T	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-	
		ΔT	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-	18	16	12	-	
	2025	kW	4.06	4.14	4.26	-	4.35	4.44	4.57	-	4.61	4.70	4.85	-	4.84	4.94	5.09	-	5.03	5.14	5.30	-	5.20	5.31	5.48	-	5.20	5.31	5.48	-	
		Amps	8.4	8.6	8.8	-	9.0	9.2	9.6	-	9.8	10.1	10.4	-	10.5	10.8	11.1	-	11.2	11.4	11.8	-	11.8	12.1	12.5	-	11.8	12.1	12.5	-	
		Hi PR	225	242	255	-	252	271	287	-	287	309	326	-	327	352	371	-	367	395	418	-	406	437	461	-	406	437	461	-	
		Lo PR	102	108	118	-	108	115	125	-	112	119	130	-	118	125	137	-	123	131	143	-	127	136	148	-	127	136	148	-	
		MBh	54.2	56.2	61.6	-	53.0	54.9	60.1	-	51.7	53.6	58.7	-	50.4	52.3	57.3	-	47.9	49.7	54.4	-	44.4	46.0	50.4	-	44.4	46.0	50.4	-	
		S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.68	0.47	-	0.82	0.68	0.47	-	
		ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	18	13	-	20	17	13	-	19	16	12	-	19	16	12	-	
1800	kW	4.03	4.11	4.23	-	4.32	4.41	4.54	-	4.57	4.67	4.81	-	4.80	4.90	5.05	-	4.99	5.10	5.26	-	5.16	5.27	5.43	-	5.16	5.27	5.43	-		
	Amps	8.3	8.5	8.8	-	8.9	9.2	9.5	-	9.7	10.0	10.3	-	10.4	10.7	11.0	-	11.1	11.3	11.7	-	11.7	12.0	12.4	-	11.7	12.0	12.4	-		
	Hi PR	222	239	253	-	250	269	284	-	284	306	323	-	323	348	368	-	364	392	413	-	402	433	457	-	402	433	457	-		
	Lo PR	101	107	117	-	107	113	124	-	111	118	129	-	116	124	135	-	122	130	142	-	126	134	147	-	126	134	147	-		
1575		MBh	50.1	51.9	56.8	-	48.9	50.7	55.5	-	47.7	49.5	54.2	-	46.6	48.3	52.9	-	44.2	45.8	50.2	-	41.0	42.5	46.5	-	41.0	42.5	46.5	-	
		S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-	0.80	0.66	0.46	-	
		ΔT	20	18	13	-	20	18	13	-	21	18	13	-	21	18	14	-	20	18	13	-	19	16	12	-	19	16	12	-	
	2025	kW	3.94	4.02	4.13	-	4.22	4.30	4.43	-	4.27	4.36	4.50	-	4.26	4.35	4.49	-	4.47	4.56	4.70	-	4.69	4.78	4.93	-	4.69	4.78	4.93	-	
		Amps	8.1	8.2	8.5	-	8.7	8.9	9.2	-	9.5	9.7	10.0	-	10.1	10.4	10.7	-	10.8	11.0	11.4	-	11.4	11.7	12.1	-	11.4	11.7	12.1	-	
		Hi PR	216	232	245	-	242	261	275	-	275	296	313	-	314	338	356	-	353	380	401	-	390	420	443	-	390	420	443	-	
		Lo PR	98	104	114	-	103	110	120	-	108	114	125	-	113	120	131	-	118	126	137	-	122	130	142	-	122	130	142	-	
	75		MBh	56.80	58.48	63.30	67.94	55.48	57.12	61.83	66.36	54.16	55.76	60.36	64.78	52.84	54.40	58.89	63.20	50.20	51.68	55.94	60.04	46.50	47.87	51.82	55.62	46.50	47.87	51.82	55.62
			S/T	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.67	0.43	0.98	0.88	0.67	0.43
			ΔT	22	20	17	12	22	21	17	12	22	21	17	12	23	21	17	12	22	20	17	12	21	19	16	11	21	19	16	11
2025		kW	4.09	4.17	4.29	4.42	4.38	4.47	4.61	4.75	4.65	4.74	4.89	5.04	4.88	4.98	5.13	5.30	5.07	5.18	5.34	5.52	5.24	5.35	5.52	5.70	5.24	5.35	5.52	5.70	
		Amps	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.9	10.2	10.5	10.9	10.6	10.9	11.2	11.6	11.3	11.6	11.9	12.4	12.0	12.3	12.7	13.2	12.0	12.3	12.7	13.2	
		Hi PR	227	244	258	269	255	274	289	302	290	312	329	343	330	355	375	391	371	399	422	440	410	441	466	486	410	441	466	486	
		Lo PR	103	110	120	127	109	116	126	135	113	120	131	140	119	126	138	147	125	132	145	154	129	137	150	159	129	137	150	159	
		MBh	55.1	56.8	61.5	66.0	53.9	55.5	60.0	64.4	52.6	54.1	58.6	62.9	51.3	52.8	57.2	61.4	48.7	50.2	54.3	58.3	45.1	46.5	50.3	54.0	45.1	46.5	50.3	54.0	
		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	0.40	0.94	0.84	0.63	0.41	0.94	0.84	0.63	0.41	
		ΔT	23	21	17	12	23	21	18	12	23	21	18	12	23	22	18	12	23	21	17	12	22	20	16	11	22	20	16	11	
1800	kW	4.06	4.14	4.26	4.39	4.35	4.44	4.57	4.72	4.61	4.71	4.85	5.00	4.84	4.94	5.09	5.26	5.03	5.14	5.30	5.47	5.20	5.31	5.48	5.66	5.20	5.31	5.48	5.66		
	Amps	8.4	8.6	8.8	9.2	9.0	9.3	9.6	9.9	9.8	10.1	10.4	10.8	10.5	10.8	11.1	11.5	11.2	11.5	11.8	12.3	11.8	12.1	12.5	13.0	11.8	12.1	12.5	13.0		
	Hi PR	225	242	255	266	252	271	287	299	287	309	326	340	327	352	371	387	368	396	418	436	406	437	461	481	406	437	461	481		
	Lo PR	102	108	118	126	108	115	125	133	112	119	130	139	118	125	137	146	123	131	143	152	128	136	148	158	128	136	148	158		
1575		MBh	50.9	52.4	56.7	60.9	49.7	51.2	55.4	59.5	48.5	50.0	54.1	58.1	47.3	48.75	52.8	56.6	45.0	46.3	50.1	53.8	41.7	42.9	46.4	49.8	41.7	42.9	46.4	49.8	
		S/T	0.79	0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39	0.90	0.81	0.61	0.39	
		ΔT	23	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	22	20	17	11	22	20	17	11	
	2025	kW	3.97	4.05	4.17	4.29	4.25	4.34	4.47	4.61	4.50	4.60	4.74	4.88	4.72	4.82	4.97	5.13	4.91	5.02	5.17	5.34	5.07	5.18	5.35	5.52	5.07	5.18	5.35	5.52	
		Amps	8.1	8.3	8.6	8.9	8.8	9.0	9.3	9.6	9.5	9.8	10.1	10.5	10.2	10.5	10.8	11.2	10.9	11.1	11.5	11.9	11.5	11.8	12.2	12.7	11.5	11.8	12.2	12.7	
		Hi PR	218	235	248	258	245	263	278	290	278	299	316	330	317	341	360	376	357	384	405	423	394	424	448	467	394	424	448	467	

DB: Entering Indoor Dry Bulb Temperature

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

Shaded area is ACCA (TVA) conditions

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

EXPANDED COOLING DATA — GSZ130603A* /AR*F486016** (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																																			
		65						75						85						95						105						115					
		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								
80	2025	MBh	57.81	59.07	63.11	67.47	56.47	57.70	61.65	65.90	55.12	56.33	60.18	64.33	53.78	54.95	58.71	62.76	51.09	52.20	55.77	59.62	47.32	48.36	51.66	55.23	57.81	59.07	63.11	67.47							
		S/T	0.94	0.88	0.72	0.54	1.00	0.91	0.74	0.56	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.82	0.62	1.00	1.00	0.82	0.61							
		ΔT	25	24	21	16	26	24	21	17	25	24	21	17	24	24	21	17	23	24	21	17	21	22	19	15	21	22	19	15							
		kW	4.12	4.20	4.33	4.46	4.42	4.51	4.65	4.79	4.68	4.78	4.93	5.08	4.92	5.02	5.18	5.34	5.11	5.22	5.39	5.56	5.28	5.40	5.57	5.75	5.48	5.60	5.77	5.94							
		Amps	8.5	8.7	9.0	9.3	9.2	9.4	9.7	10.1	10.0	10.2	10.6	11.0	10.7	11.0	11.3	11.8	11.4	11.7	12.1	12.5	12.1	12.4	12.8	13.3	12.8	13.1	13.4	13.7							
		Hi PR	229	247	261	272	257	277	292	305	293	315	333	347	333	359	379	395	375	404	426	444	414	446	471	491	464	486	508	530							
		Lo PR	104	111	121	129	110	117	128	136	114	122	133	141	120	128	139	148	126	134	146	156	130	138	151	161	144	152	164	176							
		MBh	56.1	57.4	61.3	65.5	54.8	56.0	59.9	64.0	53.5	54.7	58.4	62.5	52.2	53.4	57.0	60.9	49.6	50.7	54.2	57.9	45.9	46.9	50.2	53.6	48.4	49.4	52.7	56.1							
		S/T	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.59	1.00	0.96	0.78	0.59							
		ΔT	26	25	21	17	26	25	22	17	26	25	22	17	26	25	22	17	25	25	22	17	23	23	20	16	26	25	22	17	23						
	1800	kW	4.09	4.17	4.29	4.42	4.38	4.47	4.61	4.75	4.65	4.74	4.89	5.04	4.88	4.98	5.14	5.30	5.07	5.18	5.34	5.52	5.24	5.35	5.52	5.70	5.43	5.54	5.70	5.86							
		Amps	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.9	10.2	10.5	10.9	10.6	10.9	11.2	11.6	11.3	11.6	11.9	12.4	12.0	12.3	12.7	13.2	12.7	13.0	13.3	13.6							
		Hi PR	227	244	258	269	255	274	290	302	290	312	329	343	330	355	375	391	371	400	422	440	410	441	466	486	459	481	503	525							
		Lo PR	103	110	120	127	109	116	126	135	113	120	131	140	119	126	138	147	125	132	145	154	129	137	150	159	142	150	162	174							
	1575	MBh	51.8	52.9	56.6	60.5	50.6	51.7	55.2	59.1	49.4	50.5	53.9	57.6	48.2	49.2	52.6	56.2	45.8	46.8	50.0	53.4	42.4	43.3	46.3	49.5	46.7	47.7	50.9	54.1							
		S/T	0.86	0.81	0.66	0.49	0.90	0.84	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.76	0.57	0.99	0.93	0.76	0.57							
		ΔT	26	25	22	17	26	25	22	18	26	25	22	18	27	26	22	18	26	25	22	17	25	24	20	16	26	25	22	17	23						
		kW	4.00	4.08	4.20	4.32	4.28	4.37	4.50	4.64	4.54	4.63	4.77	4.92	4.76	4.86	5.01	5.17	4.95	5.06	5.21	5.38	5.12	5.22	5.39	5.56	5.12	5.22	5.39	5.56							
		Amps	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.7	9.6	9.9	10.2	10.6	10.3	10.6	10.9	11.3	11.0	11.2	11.6	12.1	11.6	11.9	12.3	12.8	11.6	11.9	12.3	12.8							
		Hi PR	220	237	250	261	247	266	281	293	281	302	319	333	320	344	364	379	360	388	409	427	398	428	452	472	431	453	476	499							
		Lo PR	100	106	116	124	106	112	123	131	110	117	127	136	115	123	134	143	121	129	140	149	125	133	145	155	142	150	162	174							
85	2025	MBh	58.82	59.96	62.80	67.00	57.45	58.57	61.34	65.44	56.09	57.17	59.88	63.88	54.72	55.78	58.42	62.32	51.98	52.99	55.50	59.21	48.15	49.08	51.41	54.84	58.82	59.96	62.80	67.00							
		S/T	0.98	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	0.96	0.91	0.74	1.00	0.99	0.90	0.73	1.00	1.00	0.98	0.79	1.00	1.00	0.98	0.80	1.00	0.98	0.79	1.00							
		ΔT	26	26	24	21	26	26	25	21	25	26	25	21	25	25	25	22	24	24	25	21	22	22	23	20	26	26	24	21							
		kW	4.15	4.23	4.36	4.49	4.45	4.54	4.68	4.83	4.72	4.82	4.97	5.12	4.95	5.06	5.22	5.38	5.15	5.26	5.43	5.61	5.33	5.44	5.61	5.80	5.53	5.64	5.80	5.96							
		Amps	8.6	8.8	9.1	9.4	9.3	9.5	9.8	10.2	10.1	10.3	10.7	11.1	10.8	11.1	11.4	11.9	11.5	11.8	12.2	12.6	12.2	12.5	12.9	13.4	12.7	13.0	13.3	13.6							
		Hi PR	232	249	263	275	260	280	295	308	296	318	336	350	337	362	383	399	379	408	430	449	418	450	475	496	469	491	513	535							
		Lo PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	148	157	131	140	153	163	146	154	166	178							
		MBh	57.1	58.2	61.0	65.0	55.8	56.9	59.6	63.5	54.5	55.5	58.1	62.0	53.1	54.2	56.7	60.5	50.5	51.4	53.9	57.5	46.7	47.7	49.9	53.2	58.2	59.3	62.1	65.4							
		S/T	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.71	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76	1.00	0.93	0.76	1.00							
		ΔT	27	27	25	22	28	27	26	22	28	27	26	22	27	27	26	22	26	26	26	22	24	24	24	21	28	28	26	23	25						
	1800	kW	4.12	4.20	4.33	4.46	4.42	4.51	4.65	4.79	4.68	4.78	4.93	5.08	4.92	5.02	5.18	5.34	5.11	5.22	5.39	5.56	5.28	5.40	5.57	5.75	5.43	5.54	5.70	5.86							
		Amps	8.5	8.7	9.0	9.3	9.2	9.4	9.7	10.1	10.0	10.2	10.6	11.0	10.7	11.0	11.3	11.8	11.4	11.7	12.1	12.5	12.1	12.4	12.8	13.3	12.8	13.1	13.4	13.7							
		Hi PR	229	247	261	272	257	277	292	305	293	315	333	347	333	359	379	395	375	404	426	444	414	446	471	491	464	486	508	530							
		Lo PR	104	111	121	129	110	117	128	136	114	122	133	141	120	128	139	148	126	134	146	156	130	138	151	161	144	152	164	176							
	1575	MBh	52.7	53.7	56.3	60.0	51.5	52.5	55.0	58.6	50.3	51.2	53.7	57.2	49.0	50.0	52.3	55.8	46.6	47.5	49.7	53.1	43.1	44.0	46.1	49.1	54.1	55.1	57.2	60.6							
		S/T	0.91	0.87	0.79	0.64	0.94	0.91	0.82	0.66	0.96	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.91	0.73	1.00	0.91	0.73	1.00							
		ΔT	28	27	26	22	28	28	26	23	28	28	26	23	28	28	26	23	27	28	26	23	25	26	24	21	28	28	26	23	25						
		kW	4.03	4.11	4.23	4.36	4.32	4.40	4.54	4.68	4.57	4.67	4.81	4.96	4.80	4.90	5.05	5.21	4.99	5.10	5.26	5.43	5.16	5.27	5.43	5.61	5.34	5.45	5.61	5.77							
		Amps	8.3	8.5	8.8	9.1	8.9	9.2	9.5	9.8	9.7	10.0	10.3	10.7	10.4	10.7	11.0	11.4	11.1	11.3	11.7	12.2	11.7	12.0	12.4	12.9	11.7	12.0	12.4	12.9							
		Hi PR	222	239	253	264	250	269	284	296	284	305	323	336	323	348	367	383	364	391	413	431	402	432	457	476	431	453	476	499							
		Lo PR	101	107	117	125	107	113	124	132	111	118	129	137	116	124	135	144	122	130	142	151	126	134	147	156	142	150	162	174							

EXPANDED COOLING DATA — GSZ130604A* /AR*F486016**

		OUTDOOR AMBIENT TEMPERATURE																																			
		65						75						85						95						105						115					
		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	2025	MBh	55.9	57.9	63.4	-	54.6	56.5	62.0	-	53.3	55.2	60.5	-	52.0	53.9	59.0	-	49.4	51.2	56.1	-	45.7	47.4	51.9	-	45.7	47.4	51.9	-							
		S/T	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-							
		ΔT	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-							
		kW	4.06	4.14	4.26	-	4.35	4.44	4.57	-	4.61	4.70	4.85	-	4.84	4.94	5.09	-	5.03	5.14	5.30	-	5.20	5.31	5.48	-	5.20	5.31	5.48	-							
		Amps	4.6	4.7	4.9	-	5.0	5.1	5.2	-	5.4	5.5	5.7	-	5.7	5.8	6.0	-	6.1	6.2	6.4	-	6.4	6.5	6.8	-	6.4	6.5	6.8	-							
70	1800	Hi PR	225	242	255	-	252	271	287	-	287	309	326	-	327	352	371	-	367	395	418	-	406	437	461	-	406	437	461	-							
		LO PR	102	108	118	-	108	115	125	-	112	119	130	-	118	125	137	-	123	131	143	-	127	136	148	-	127	136	148	-							
		MBh	54.2	56.2	61.6	-	53.0	54.9	60.1	-	51.7	53.6	58.7	-	50.4	52.3	57.3	-	47.9	49.7	54.4	-	44.4	46.0	50.4	-	44.4	46.0	50.4	-							
		S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.68	0.47	-	0.82	0.68	0.47	-							
		ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	18	13	-	20	17	13	-	19	16	12	-	19	16	12	-							
1575	1575	kW	4.03	4.11	4.23	-	4.32	4.41	4.54	-	4.57	4.67	4.81	-	4.80	4.90	5.05	-	4.99	5.10	5.26	-	5.16	5.27	5.43	-	5.16	5.27	5.43	-							
		Amps	4.6	4.7	4.8	-	4.9	5.0	5.2	-	5.3	5.4	5.6	-	5.7	5.8	6.0	-	6.0	6.1	6.3	-	6.3	6.5	6.7	-	6.3	6.5	6.7	-							
		Hi PR	222	239	253	-	250	269	284	-	284	306	323	-	323	348	368	-	364	392	413	-	402	433	457	-	402	433	457	-							
		LO PR	101	107	117	-	107	113	124	-	111	118	129	-	116	124	135	-	122	130	142	-	126	134	147	-	126	134	147	-							
		MBh	50.1	51.9	56.8	-	48.9	50.7	55.5	-	47.7	49.5	54.2	-	46.6	48.3	52.9	-	44.2	45.8	50.2	-	41.0	42.5	46.5	-	41.0	42.5	46.5	-							
		S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-	0.80	0.66	0.46	-							
		ΔT	20	18	13	-	20	18	13	-	21	18	13	-	21	18	14	-	20	18	13	-	19	16	12	-	19	16	12	-							
		kW	3.94	4.02	4.13	-	4.22	4.30	4.43	-	4.47	4.56	4.70	-	4.69	4.78	4.93	-	4.87	4.98	5.13	-	5.03	5.14	5.30	-	5.03	5.14	5.30	-							
		Amps	4.5	4.6	4.7	-	4.8	4.9	5.1	-	5.2	5.3	5.5	-	5.5	5.6	5.8	-	5.8	6.0	6.2	-	6.2	6.3	6.5	-	6.2	6.3	6.5	-							
		Hi PR	216	232	245	-	242	261	275	-	275	296	313	-	314	338	356	-	353	380	401	-	390	420	443	-	390	420	443	-							
		LO PR	98	104	114	-	103	110	120	-	108	114	125	-	113	120	131	-	118	126	137	-	122	130	142	-	122	130	142	-							
		75	2025	MBh	56.80	58.48	63.30	67.94	55.48	57.12	61.83	66.36	54.16	55.76	60.36	64.78	52.84	54.40	58.89	63.20	50.20	51.68	55.94	60.04	46.50	47.87	51.82	55.62	46.50	47.87	51.82	55.62					
				S/T	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.67	0.43	0.98	0.88	0.67	0.43					
				ΔT	22	20	17	12	22	21	17	12	22	21	17	12	23	21	17	12	22	20	17	12	21	19	16	11	21	19	16	11					
				kW	4.09	4.17	4.29	4.42	4.38	4.47	4.61	4.75	4.65	4.74	4.89	5.04	4.88	4.98	5.13	5.30	5.07	5.18	5.34	5.52	5.24	5.35	5.52	5.70	5.24	5.35	5.52	5.70					
Amps	4.7			4.8	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	6.4	6.7	6.5	6.6	6.8	7.1	6.5	6.6	6.8	7.1							
	1800	Hi PR	227	244	258	269	255	274	289	302	290	312	329	343	330	355	375	391	371	399	422	440	410	441	466	486	410	441	466	486							
		LO PR	103	110	120	127	109	116	126	135	113	120	131	140	119	126	138	147	125	132	145	154	129	137	150	159	129	137	150	159							
		MBh	55.1	56.8	61.5	66.0	53.9	55.5	60.0	64.4	52.6	54.1	58.6	62.9	51.3	52.8	57.2	61.4	48.7	50.2	54.3	58.3	45.1	46.5	50.3	54.0	45.1	46.5	50.3	54.0							
		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	0.40	0.94	0.84	0.63	0.41	0.94	0.84	0.63	0.41							
		ΔT	23	21	17	12	23	21	18	12	23	21	18	12	23	22	18	12	23	21	17	12	22	20	16	11	22	20	16	11							
	1575	kW	4.06	4.14	4.26	4.39	4.35	4.44	4.57	4.72	4.61	4.71	4.85	5.00	4.84	4.94	5.09	5.26	5.03	5.14	5.30	5.47	5.20	5.31	5.48	5.66	5.20	5.31	5.48	5.66							
		Amps	4.6	4.7	4.9	5.0	5.0	5.1	5.2	5.4	5.4	5.5	5.7	5.9	5.7	5.8	6.0	6.2	6.1	6.2	6.4	6.6	6.4	6.5	6.8	7.0	6.4	6.5	6.8	7.0							
		Hi PR	225	242	255	266	252	271	287	299	287	309	326	340	327	352	371	387	368	396	418	436	406	437	461	481	406	437	461	481							
		LO PR	102	108	118	126	108	115	125	133	112	119	130	139	118	125	137	146	123	131	143	152	128	136	148	158	128	136	148	158							
		MBh	50.9	52.4	56.7	60.9	49.7	51.2	55.4	59.5	48.5	50.0	54.1	58.1	47.3	48.75	52.8	56.6	45.0	46.3	50.1	53.8	41.7	42.9	46.4	49.8	41.7	42.9	46.4	49.8							
		S/T	0.79	0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39	0.90	0.81	0.61	0.39							
		ΔT	23	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	24	22	18	12	22	20	17	11	22	20	17	11							
		kW	3.97	4.05	4.17	4.29	4.25	4.34	4.47	4.61	4.50	4.60	4.74	4.88	4.72	4.82	4.97	5.13	4.91	5.02	5.17	5.34	5.07	5.18	5.35	5.52	5.07	5.18	5.35	5.52							
		Amps	4.5	4.6	4.7	4.9	4.8	5.0	5.1	5.3	5.2	5.4	5.5	5.7	5.6	5.7	5.9	6.1	5.9	6.0	6.2	6.4	6.2	6.3	6.6	6.8	6.2	6.3	6.6	6.8							
		Hi PR	218	235	248	258	245	263	278	290	278	299	316	330	317	341	360	376	357	384	405	423	394	424	448	467	394	424	448	467							
		LO PR	99	105	115	122	105	111	121	129	109	116	126	134	114	121	133	141	120	127	139	148	124	132	144	153	124	132	144	153							
		kW= Total system power Amps = outdoor unit amps (comp.+fan)																																			

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

Shaded area is ACCA (TVA) conditions

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

EXPANDED COOLING DATA — GSZ130604A* /AR*F486016** (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																															
		65				75				85				95				105				115											
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	57.81	59.07	63.11	67.47	56.47	57.70	61.65	65.90	55.12	56.33	60.18	64.33	53.78	54.95	58.71	62.76	51.09	52.20	55.77	59.62	47.32	48.36	51.66	55.23	47.32	48.36	51.66	55.23				
	S/T	0.94	0.88	0.72	0.54	1.00	0.91	0.74	0.56	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.82	0.61	1.00	1.00	0.82	0.62				
	ΔT	25	24	21	16	26	24	21	17	25	24	21	17	24	24	21	17	23	24	21	17	21	22	19	15	21	22	19	15				
	kW	4.12	4.20	4.33	4.46	4.42	4.51	4.65	4.79	4.68	4.78	4.93	5.08	4.92	5.02	5.18	5.34	5.11	5.22	5.39	5.56	5.28	5.40	5.57	5.75	5.28	5.40	5.57	5.75				
	Amps	4.7	4.8	5.0	5.1	5.1	5.2	5.3	5.5	5.5	5.6	5.8	6.0	5.8	5.9	6.1	6.4	6.2	6.3	6.5	6.7	6.5	6.7	6.9	7.1	6.5	6.7	6.9	7.1				
	HI PR	229	247	261	272	257	277	292	305	293	315	333	347	333	359	379	395	375	404	426	444	414	446	471	491	375	404	426	444	414	446	471	491
	LO PR	104	111	121	129	110	117	128	136	114	122	133	141	120	128	139	148	126	134	146	156	130	138	151	161	126	134	146	156	130	138	151	161
	MBh	56.1	57.4	61.3	65.5	54.8	56.0	59.9	64.0	53.5	54.7	58.4	62.5	52.2	53.4	57.0	60.9	49.6	50.7	54.2	57.9	45.9	46.9	50.2	53.6	45.9	46.9	50.2	53.6				
	S/T	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.59				
	ΔT	26	25	21	17	26	25	22	17	26	25	22	17	26	25	22	17	25	25	22	17	23	23	20	16	23	23	20	16				
kW	4.09	4.17	4.29	4.42	4.38	4.47	4.61	4.75	4.65	4.74	4.89	5.04	4.88	4.98	5.14	5.30	5.07	5.18	5.34	5.52	5.24	5.35	5.52	5.70	5.24	5.35	5.52	5.70					
Amps	4.7	4.8	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	6.4	6.7	6.5	6.6	6.8	7.1	6.5	6.6	6.8	7.1					
HI PR	227	244	258	269	255	274	290	302	290	312	329	343	330	355	375	391	371	400	422	440	410	441	466	486	371	400	422	440	410	441	466	486	
LO PR	103	110	120	127	109	116	126	135	113	120	131	140	119	126	138	147	125	132	145	154	129	137	150	159	125	132	145	154	129	137	150	159	
1575	MBh	51.8	52.9	56.6	60.5	50.6	51.7	55.2	59.1	49.4	50.5	53.9	57.6	48.2	49.2	52.6	56.2	45.8	46.8	50.0	53.4	42.4	43.3	46.3	49.5	42.4	43.3	46.3	49.5				
	S/T	0.86	0.81	0.66	0.49	0.90	0.84	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.76	0.57	0.99	0.93	0.76	0.57				
	ΔT	26	25	22	17	26	25	22	18	26	25	22	18	27	26	22	18	26	25	22	17	25	24	20	16	25	24	20	16				
	kW	4.00	4.08	4.20	4.32	4.28	4.37	4.50	4.64	4.54	4.63	4.77	4.92	4.76	4.86	5.01	5.17	4.95	5.06	5.21	5.38	5.12	5.22	5.39	5.56	5.12	5.22	5.39	5.56				
	Amps	4.6	4.7	4.8	5.0	4.9	5.0	5.1	5.3	5.3	5.4	5.6	5.8	5.6	5.7	5.9	6.1	6.0	6.1	6.3	6.5	6.3	6.4	6.6	6.9	6.3	6.4	6.6	6.9				
	HI PR	220	237	250	261	247	266	281	293	281	302	319	333	320	344	364	379	360	388	409	427	398	428	452	472	398	428	452	472				
	LO PR	100	106	116	124	106	112	123	131	110	117	127	136	115	123	134	143	121	129	140	149	125	133	145	155	125	133	145	155				

85	2025	MBh	58.82	59.96	62.80	67.00	57.45	58.57	61.34	65.44	56.09	57.17	59.88	63.88	54.72	55.78	58.42	62.32	51.98	52.99	55.50	59.21	48.15	49.08	51.41	54.84
		S/T	0.98	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.98	0.79	1.00	1.00	0.98	0.80
		ΔT	26	26	24	21	26	26	25	21	25	26	25	21	25	25	25	22	24	24	25	21	22	22	23	20
		kW	4.15	4.23	4.36	4.49	4.45	4.54	4.68	4.83	4.72	4.82	4.97	5.12	4.95	5.06	5.22	5.38	5.15	5.26	5.43	5.61	5.33	5.44	5.61	5.80
		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	6.7	6.9	7.2
		Hi PR	232	249	263	275	260	280	295	308	296	318	336	350	337	362	383	399	379	408	430	449	418	450	475	496
		Lo PR	105	112	122	130	111	118	129	137	115	123	134	143	121	129	141	150	127	135	148	157	131	140	153	163
		1800	MBh	57.1	58.2	61.0	65.0	55.8	56.9	59.6	63.5	54.5	55.5	58.1	62.0	53.1	54.2	56.7	60.5	50.5	51.4	53.9	57.5	46.7	47.7	49.9
	S/T		0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.71	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76
	ΔT		27	27	25	22	28	27	26	22	28	27	26	22	27	27	26	22	26	26	26	22	24	24	24	21
	kW		4.12	4.20	4.33	4.46	4.42	4.51	4.65	4.79	4.68	4.78	4.93	5.08	4.92	5.02	5.18	5.34	5.11	5.22	5.39	5.56	5.28	5.40	5.57	5.75
	Amps		4.7	4.8	5.0	5.1	5.1	5.2	5.3	5.5	5.5	5.6	5.8	6.0	5.8	5.9	6.1	6.4	6.2	6.3	6.5	6.7	6.5	6.7	6.9	7.1
	Hi PR		229	247	261	272	257	277	292	305	293	315	333	347	333	359	379	395	375	404	426	444	414	446	471	491
	Lo PR		104	111	121	129	110	117	128	136	114	122	133	141	120	128	139	148	126	134	146	156	130	138	151	161
	1575		MBh	52.7	53.7	56.3	60.0	51.5	52.5	55.0	58.6	50.3	51.2	53.7	57.2	49.0	50.0	52.3	55.8	46.6	47.5	49.7	53.1	43.1	44.0	46.1
S/T		0.91	0.87	0.79	0.64	0.94	0.91	0.82	0.66	0.96	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.91	0.73	
ΔT		28	27	26	22	28	28	26	23	28	28	26	23	28	28	26	23	27	28	26	23	25	26	24	21	
kW		4.03	4.11	4.23	4.36	4.32	4.40	4.54	4.68	4.57	4.67	4.81	4.96	4.80	4.90	5.05	5.21	4.99	5.10	5.26	5.43	5.16	5.27	5.43	5.61	
Amps		4.6	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	6.1	6.3	6.6	6.3	6.5	6.7	6.9	
Hi PR		222	239	253	264	250	269	284	296	284	305	323	336	323	348	367	383	364	391	413	431	402	432	457	476	
Lo PR		101	107	117	125	107	113	124	132	111	118	129	137	116	124	135	144	122	130	142	151	126	134	147	156	

EXPANDED HEATING DATA

GSZ130363A* / AR*F364216**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	42.7	40.5	38.1	35.6	34.0	32.9	30.6	28.2	19.9	18.4	16.9	16.0	15.4	13.8	12.3	10.7	9.1	7.5
ΔT	31.0	29.4	27.7	25.9	24.7	23.9	22.2	20.5	14.5	13.4	12.3	11.6	11.2	10.0	8.9	7.8	6.6	5.4
kW	2.90	2.84	2.79	2.73	2.70	2.68	2.63	2.58	2.42	2.37	2.32	2.29	2.27	2.22	2.17	2.12	2.07	2.02
Amps	9.9	9.2	8.7	8.2	7.9	7.8	7.4	7.0	6.7	6.5	6.2	6.0	6.0	5.7	5.3	5.1	4.7	4.3
COP	4.32	4.17	4.00	3.81	3.68	3.60	3.41	3.21	2.41	2.27	2.14	2.05	1.99	1.82	1.65	1.48	1.29	1.08
EER	14.8	14.2	13.7	13.0	12.6	12.3	11.6	11.0	8.2	7.8	7.3	7.0	6.8	6.2	5.7	5.0	4.4	3.7

GSZ130483A* / AR*F486016**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	55.3	52.4	49.3	46.1	44.0	42.6	39.6	36.5	33.6	31.1	28.6	27.0	26.0	23.3	20.7	18.0	15.4	12.6
ΔT	32.0	30.3	28.5	26.7	25.5	24.7	22.9	21.1	19.5	18.0	16.5	15.6	15.0	13.5	12.0	10.4	8.9	7.3
kW	3.94	3.87	3.80	3.72	3.68	3.65	3.58	3.51	3.49	3.42	3.34	3.30	3.27	3.20	3.12	3.05	2.98	2.90
Amps	11.1	10.3	9.7	9.1	8.8	8.6	8.2	7.8	7.5	7.2	6.8	6.7	6.6	6.3	5.9	5.6	5.2	4.7
COP	4.10	3.96	3.80	3.62	3.50	3.42	3.24	3.05	2.82	2.66	2.50	2.39	2.33	2.14	1.94	1.73	1.51	1.27
EER	14.0	13.5	13.0	12.4	11.9	11.7	11.1	10.4	9.6	9.1	8.6	8.2	7.9	7.3	6.6	5.9	5.2	4.3

GSZ130484A* / AR*F486016**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	55.3	52.4	49.3	46.1	44.0	42.6	39.6	36.5	33.6	31.1	28.6	27.0	26.0	23.3	20.7	18.0	15.4	12.6
ΔT	32.0	30.3	28.5	26.7	25.5	24.7	22.9	21.1	19.5	18.0	16.5	15.6	15.0	13.5	12.0	10.4	8.9	7.3
kW	3.94	3.87	3.80	3.73	3.68	3.65	3.58	3.51	3.49	3.42	3.34	3.30	3.27	3.20	3.12	3.05	2.98	2.90
Amps	6.1	5.7	5.4	5.1	4.9	4.8	4.6	4.4	4.2	4.0	3.8	3.8	3.7	3.5	3.3	3.2	3.0	2.7
COP	4.10	3.96	3.80	3.62	3.50	3.42	3.24	3.05	2.82	2.66	2.50	2.39	2.33	2.14	1.94	1.73	1.51	1.27
EER	14.0	13.5	13.0	12.4	11.9	11.7	11.1	10.4	9.6	9.1	8.6	8.2	7.9	7.3	6.6	5.9	5.2	4.3

GSZ130603A* / AR*F486016**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	72.9	69.0	65.0	60.7	58.0	56.2	52.2	48.1	44.9	41.4	38.1	36.0	34.7	31.1	27.6	24.0	20.5	16.8
ΔT	37.5	35.5	33.4	31.2	29.8	28.9	26.9	24.8	23.1	21.3	19.6	18.5	17.8	16.0	14.2	12.4	10.6	8.6
kW	5.21	5.11	5.01	4.91	4.86	4.81	4.72	4.62	4.65	4.55	4.45	4.39	4.34	4.24	4.14	4.04	3.94	3.84
Amps	13.1	12.2	11.4	10.7	10.3	10.1	9.5	9.0	8.6	8.2	7.8	7.7	7.6	7.2	6.7	6.3	5.8	5.2
COP	4.10	3.95	3.79	3.62	3.50	3.42	3.24	3.05	2.82	2.67	2.51	2.40	2.34	2.15	1.95	1.74	1.53	1.28
EER	14.0	13.5	13.0	12.4	11.9	11.7	11.1	10.4	9.6	9.1	8.6	8.2	8.0	7.3	6.7	6.0	5.2	4.4

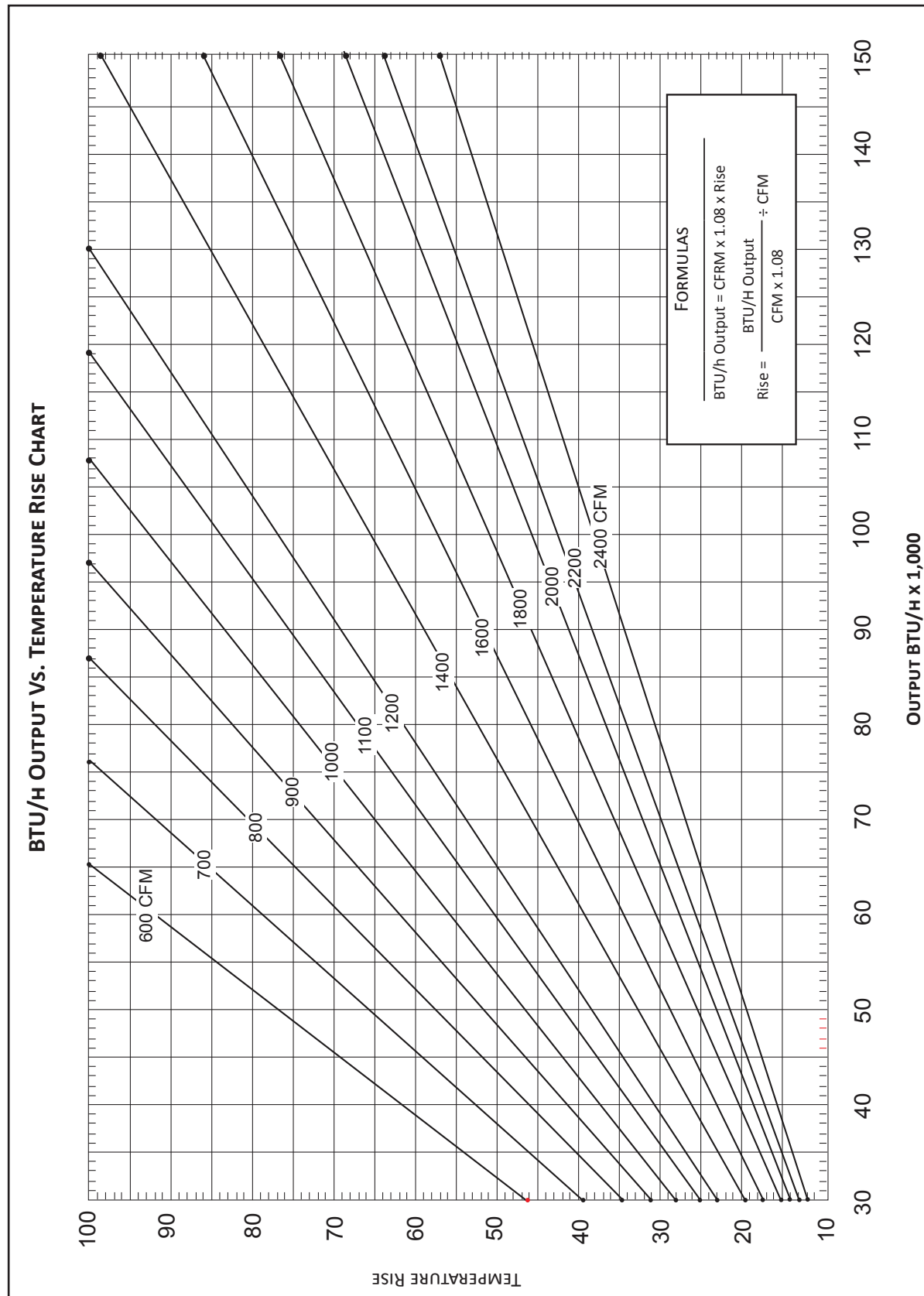
GSZ130604A* / AR*F486016**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	72.9	69.0	65.0	60.7	58.0	56.2	52.2	48.1	44.9	41.4	38.1	36.0	34.7	31.1	27.6	24.0	20.5	16.8
ΔT	37.5	35.5	33.4	31.2	29.8	28.9	26.9	24.8	23.1	21.3	19.6	18.5	17.8	16.0	14.2	12.4	10.6	8.6
kW	5.21	5.11	5.01	4.91	4.86	4.81	4.72	4.62	4.65	4.55	4.45	4.39	4.34	4.24	4.14	4.04	3.94	3.84
Amps	6.5	6.1	5.7	5.4	5.2	5.1	4.8	4.6	4.4	4.2	4.1	4.0	3.9	3.7	3.5	3.3	3.1	2.8
COP	4.10	3.95	3.79	3.62	3.50	3.42	3.24	3.05	2.82	2.67	2.51	2.40	2.34	2.15	1.95	1.74	1.53	1.28
EER	14.0	13.5	13.0	12.4	11.9	11.7	11.1	10.4	9.6	9.1	8.6	8.2	8.0	7.3	6.7	6.0	5.2	4.4

High pressure measured at suction service valve the larger valve); Low pressure measured at gauge port connection
 Calculations based on nominal CFM and 70°F indoor dry bulb

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

TEMPERATURE RISE RANGE CHART



AHRI RATINGS

OUTDOOR UNIT	INDOOR COILS & AIR HANDLERS	COOLING CAPACITY (BTU/H)				TVA RATINGS ³		HEATING (BTU/H)			CFM	AHRI #
		TOTAL	SENS.	SEER ¹	EER ²	TOTAL	SENS.	HI	HSPF ⁴	LOW		
GSZ13 0363A*	ARUF36C14B*+TXV	33,000	25,000	13.00	11.00	30,600	24,400	33,000	8.00	20,800	1,000	5647198
	ARUF42C14A*	33,600	25,600	13.00	11.00	31,200	24,800	34,000	8.00	20,800	1,000	5598662
	ARUF42C14A*+TXV	33,600	25,600	13.00	11.00	31,200	24,800	34,000	8.00	20,800	1,000	5439794
	AWUF37XX16B*	34,000	25,800	13.00	11.00	31,400	25,200	34,000	8.00	17,000	1,150	3784238
	CA*F3642*6D*+EEP	35,000	26,600	13.00	11.00	32,400	26,000	34,000	7.80	20,000	1,275	3880682
	CA*F3642*6D*+MBVC1600**-1A*	35,000	26,600	14.00	11.30	32,400	26,000	34,000	8.20	20,000	1,275	3880694
	CA*F3743*6D*+EEP	35,000	26,600	13.00	11.00	32,400	26,000	34,000	7.80	20,000	1,275	4415216
	CA*F3743*6D*+MBVC1600**-1A*	35,000	26,600	14.00	11.30	32,400	26,000	34,000	8.20	20,000	1,200	4415217
	CHPF3636B6C*+EEP	34,000	26,600	13.00	11.00	32,400	26,000	34,000	7.80	20,000	1,000	3784207
	CHPF3642C6C*+EEP	34,000	26,600	13.00	11.00	32,400	26,000	34,000	7.80	20,000	1,000	3784208
	CHPF3642C6C*+MBVC1600**-1A*	35,000	26,600	14.00	11.30	32,400	26,000	34,000	8.00	20,000	1,275	3784244
	CHPF3642D6C*+EEP	35,000	26,600	13.00	11.00	32,400	26,000	34,000	7.80	20,000	1,275	3784209
	CSCF3642N6D*+EEP	35,000	26,600	13.00	11.00	32,400	26,000	34,000	7.80	20,000	1,200	4767612
GSZ13 0483A*	ARPT48D14A*	46,000	36,000	13.00	11.00	42,500	34,600	45,000	8.20	27,200	1,500	5438679
	ARPT60D14A*	46,000	36,000	13.50	11.50	42,500	34,600	44,500	8.20	27,000	1,495	5438680
	ARUF48D14A*	45,000	35,200	13.00	11.00	41,500	33,800	44,000	8.00	27,000	1,450	5358276
	ARUF60D14A*	45,000	35,200	13.00	11.00	41,500	33,800	44,000	8.00	27,600	1,515	5438681
	ASUF49C14A*	42,000	33,000	13.00	11.00	39,000	31,600	44,000	8.00	26,000	1,570	5620391
	ASUF49C14A*+TXV	42,000	33,000	13.30	11.00	39,000	31,600	44,000	8.00	26,200	1,570	5620392
	CA*F4860*6D*+EEP	46,000	36,000	13.00	11.00	42,500	34,600	44,000	8.20	27,000	1,600	3880741
	CA*F4860*6D*+MBVC2000**-1A*+TXV	46,000	36,000	14.00	11.30	42,500	34,600	44,000	8.20	27,000	1,600	3880763
	CHPF4860D6D*+EEP	46,000	36,000	13.00	11.30	42,500	34,600	44,000	8.20	27,000	1,600	3784213
	CHPF4860D6D*+MBVC2000**-1A*+TXV	46,000	36,000	14.00	11.30	42,500	34,600	44,000	8.20	27,000	1,600	3784256
GSZ13 0484A*	CSCF4860N6D*+EEP	46,000	36,000	13.00	11.30	42,500	34,600	44,000	8.20	27,000	1,600	4767624
	ARPT48D14A*	46,000	36,000	13.00	11.00	42,500	34,600	45,000	8.20	27,200	1,500	5438683
	ARPT60D14A*	46,000	36,000	13.50	11.50	42,500	34,600	44,500	8.20	27,000	1,495	5438684
	ARUF48D14A*	45,000	35,200	13.00	11.00	41,500	33,800	44,000	8.00	27,000	1,450	5624666
	ARUF60D14A*	45,000	35,200	13.00	11.00	41,500	33,800	44,000	8.00	27,600	1,515	5438685
	ASUF49C14A*	42,000	33,000	13.00	11.00	39,000	31,600	44,000	8.00	26,000	1,570	5620393
	ASUF49C14A*+TXV	42,000	33,000	13.30	11.00	39,000	31,600	44,000	8.00	26,200	1,570	5620394
	CA*F4860*6D*+EEP	46,000	36,000	13.00	11.00	42,500	34,600	44,000	8.20	27,000	1,600	3880743
	CA*F4860*6D*+MBVC2000**-1A*+TXV	46,000	36,000	14.00	11.30	42,500	34,600	44,000	8.20	27,000	1,600	3880765
	CHPF4860D6D*+EEP	46,000	36,000	13.00	11.30	42,500	34,600	44,000	8.20	27,000	1,600	3784222
	CHPF4860D6D*+MBVC2000**-1A*+TXV	46,000	36,000	14.00	11.30	42,500	34,600	44,000	8.20	27,000	1,600	3784280
	CSCF4860N6D*+EEP	46,000	36,000	13.00	11.30	42,500	34,600	44,000	8.20	27,000	1,600	4767625

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

³ TVA Rating: BTU/h @ 75°F/ 63°F - 95°F

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

⁴ HSPF = Heating Seasonal Performance Factor

NOTES

- Always check the S&R plate for electrical data on the unit being installed. When matching outdoor unit to 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

AHRI RATINGS (CONT.)

OUTDOOR UNIT	INDOOR UNITS: COILS/AIR HANDLERS	COOLING CAPACITY (BTU/H)				TVA RATINGS ³		HEATING (BTU/H)			CFM	AHRI #
		TOTAL	SENS.	SEER ¹	EER ²	TOTAL	SENS.	HI	HSPF ⁴	LOW		
GSZ13 0603A*	ARPT60D14A*	56,000	42,500	13.00	11.00	52,000	41,500	59,000	8.00	37,400	1,850	5438688
	ARUF60D14A*+TXV	55,500	42,500	13.00	10.80	51,500	41,000	59,000	8.20	37,800	1,800	5439796
	ASUF59D14A*	57,000	43,500	13.50	11.50	52,500	42,000	59,500	8.20	35,000	1,580	5600185
	CA*F4860*6D*+EEP	57,000	43,500	13.00	11.10	52,500	42,000	58,000	8.20	36,000	1,800	3880742
	CA*F4860*6D*+MBVC2000**-1A*+TXV	57,000	43,500	13.50	11.30	52,500	42,000	58,000	8.50	36,000	1,800	3880764
	CA*F4961*6D*+EEP	57,500	44,000	13.00	11.00	53,000	42,500	58,000	8.20	36,000	1,800	4431854
	CHPF4860D6D*+EEP	55,500	42,500	13.00	11.10	51,500	41,000	58,000	8.20	36,000	1,800	3784218
	CHPF4860D6D*+MBVC2000**-1A*+TXV	57,000	43,500	13.50	11.30	52,500	42,000	58,000	8.50	36,000	1,800	3784268
	CSCF4860N6D*+EEP	57,000	43,500	13.00	11.00	52,500	42,000	58,000	8.20	36,000	1,800	4767631
GSZ13 0604A*	ARPT60D14A*	56,000	42,500	13.00	11.00	52,000	41,500	59,000	8.00	37,400	1,850	5438690
	ARUF60D14A*+TXV	55,500	42,500	13.00	10.80	51,500	41,000	59,000	8.20	37,800	1,800	5439797
	ASUF59D14A*	57,000	43,500	13.50	11.50	52,500	42,000	59,500	8.20	35,000	1,580	5600186
	CA*F4860*6D*+EEP	57,000	43,500	13.00	11.10	52,500	42,000	58,000	8.20	36,000	1,800	3880744
	CA*F4860*6D*+MBVC2000**-1A*+TXV	57,000	43,500	13.50	11.30	52,500	42,000	58,000	8.50	36,000	1,800	3880766
	CA*F4961*6D*+EEP	57,500	44,000	13.00	11.00	53,000	42,500	58,000	8.20	36,000	1,800	4431855
	CHPF4860D6D*+EEP	55,500	42,500	13.00	11.10	51,500	41,000	58,000	8.20	36,000	1,800	3784227
	CHPF4860D6D*+MBVC2000**-1A*+TXV	57,000	43,500	13.50	11.30	52,500	42,000	58,000	8.50	36,000	1,800	3784292
	CSCF4860N6D*+EEP	57,000	43,500	13.00	11.00	52,500	42,000	58,000	8.20	36,000	1,800	4767632

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

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

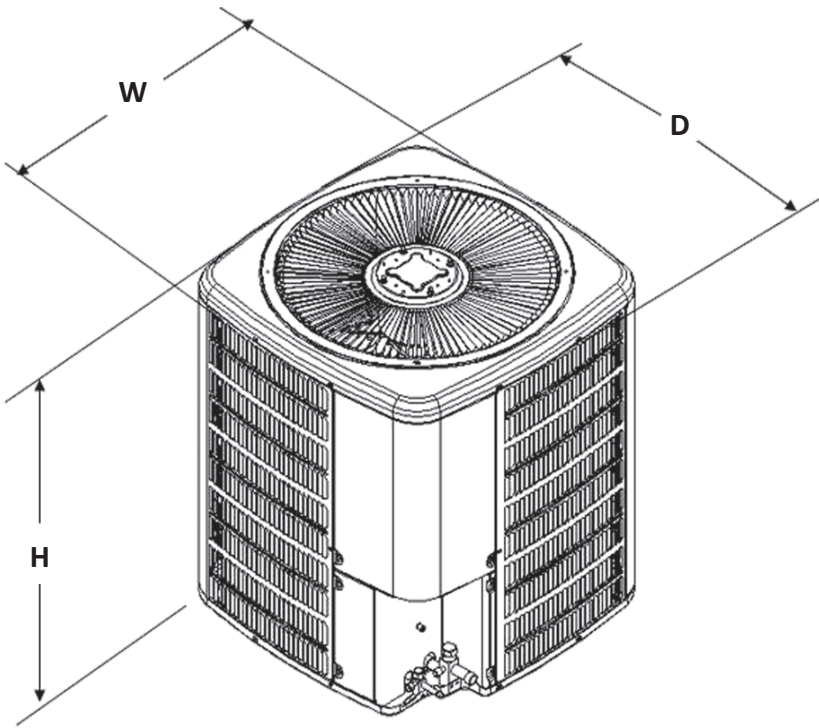
³ TVA Rating: BTU/h @ 75°F/ 63°F - 95°F

⁴ HSPF = Heating Seasonal Performance Factor

NOTES

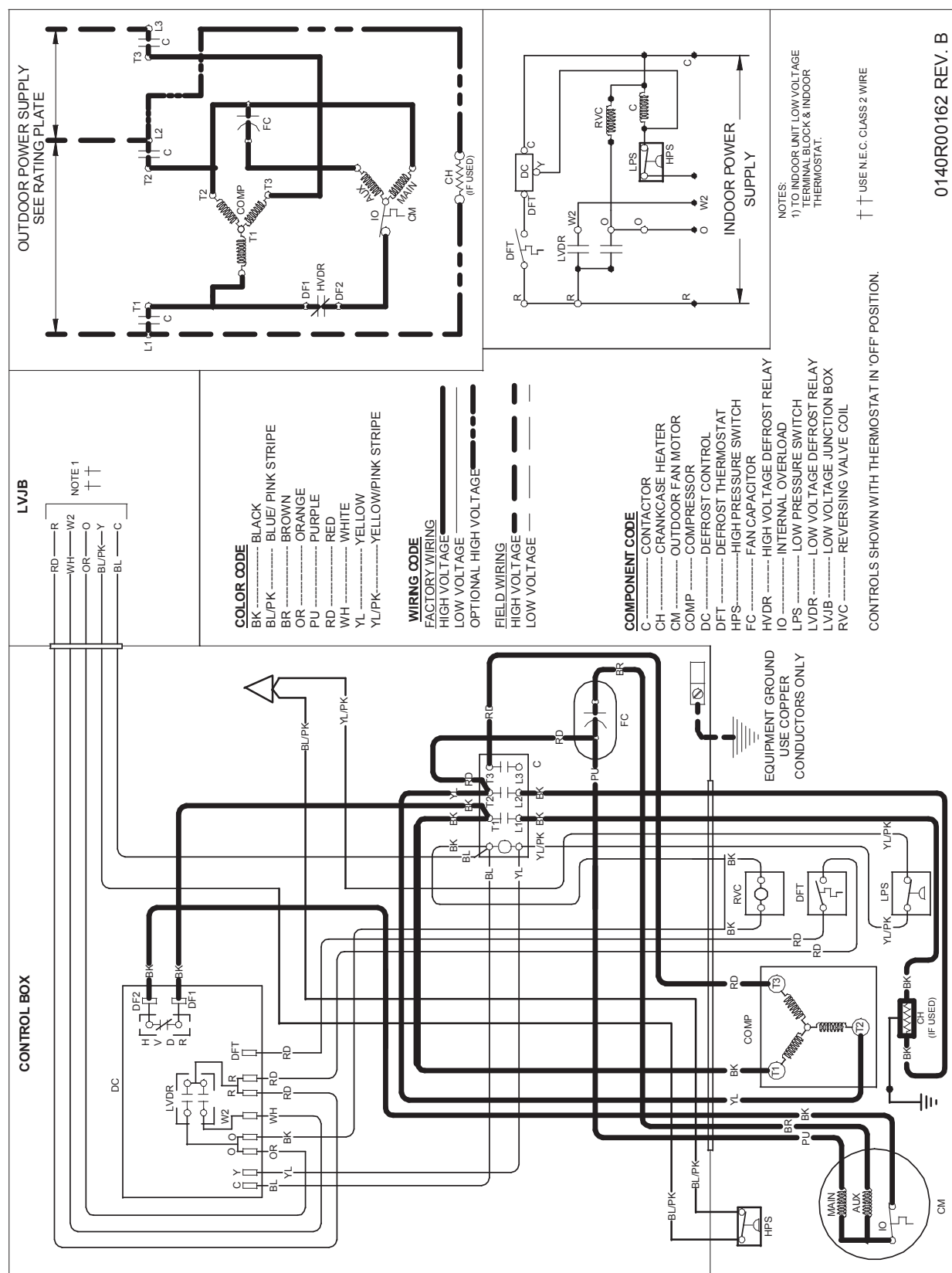
- Always check the S&R plate for electrical data on the unit being installed. When matching outdoor unit to indoor unit, use the piston supplied with the outdoor unit or that specified on the piston kit chart supplied with the indoor unit.
- EEP - Order from Service Dept. Part No. B13707-38 or new Solid 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"
GSZ130363A*	29	29	38¼
GSZ130483A*	29	29	34¼
GSZ130484A*	29	29	34¼
GSZ130603A*	35½	35½	34¼
GSZ130604A*	35½	35½	34¼

WIRING DIAGRAM



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



WARNING

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

ACCESSORIES

MODEL #	DESCRIPTION	GSZ13 0363A*	GSZ13 0483A*	GSZ13 0484A*	GSZ13 0603A*	GSZ13 0604A*
0130R00000S	Low-pressure Switch Kit	X	X	X	X	X
ABK-20	Anchor Bracket Kit ^	X	X	X	X	X
ASC-01	Anti-Short Cycle Kit	X	X	X	X	X
AFE18-60A	All-fuel Kit	X	X	X	X	X
CSR-U-1	Hard-start Kit	X				
CSR-U-2	Hard-start Kit		X	X	X	X
CSR-U-3	Hard-start Kit		X	X	X	X
LAKT-01	Low-ambient Kit	X	X	X	X	X
FSK01A ¹	Freeze Protection Kit	X	X	X	X	X
OT18-60A ²	Outdoor Thermostat	X	X	X	X	X
OT/EHR18-60	Emergency Heat Relay kit	X	X	X	X	X
TX3N4 ²	TXV Kit	X				
TX5N4 ²	TXV Kit		X	X	X	X

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

¹ Installed on indoor coil

² Required for heat pump applications where ambient temperatures fall below 0°F with 50% or higher relative humidity.

³ 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.