



Air Conditioning & Heating

GSZ11 COMMERCIAL

SPLIT SYSTEM HEAT PUMP

7½ TO 10 TONS

11 EER / 3.3 COP

Standard Features

- Energy-efficient compressor with internal pressure relief valve
- High-capacity, steel-cased, bi-flow heat pump filter drier
- Liquid refrigerant return protection
- Check flowrate heating mode expansion device
- Reliable, time-initiated, temperature-terminated defrost control
- Low-pressure switch
- Discharge line muffler
- Brass liquid and suction line service valves mounted at a 90° angle with sweat connections and service ports
- High-efficiency copper tube/aluminum fin coil
- Complies with ASHRAE 90.1-2007
- AHRI Certified; ETL Listed

Cabinet Features

- Goodman® brand sound control top design
- Steel louver coil guard protects coil from damage and adds strength to the unit
- Heavy-gauge, galvanized-steel cabinet
- Attractive Architectural Gray 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 (Anchor bracket kits available.)



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



NOMENCLATURE

	G	S	Z	11	120	3	A	A	
	1	2	3	4,5	6,7,8	9	10	11	
Brand	G Goodman® brand								Engineering *
									Minor Revision
Product Category	S Split System								Engineering *
									Major Revision
Unit Type	X Condenser R-410A Z Heat Pump R-410A								Electrical
									3 = 208/230 V, 3 Phase, 60 Hz 4 = 460 V, 3 Phase, 60 Hz
Efficiency	11 11 EER								Nominal Capacity
									090 7½ Tons 120 10 Tons

* Neither used for order entry or inventory management.

SPECIFICATIONS

	GSZ11 0903AA	GSZ11 0904AA	GSZ11 1203AA	GSZ11 1204AA
COOLING CAPACITIES				
Nominal Cooling (BTU/h) ¹	87,000	87,000	110,000	110,000
Nominal Heating (BTU/h) ¹	82,000	82,000	100,000	100,000
EER	11	11	11	11
Decibels	84	84	84	84
COMPRESSOR				
RLA	25.0	12.2	30.1	16.7
LRA	164	100	225	114
CONDENSER FAN MOTOR				
Horsepower	1	1	1	1
FLA	5.6	3.5	5.6	3.5
REFRIGERATION SYSTEM				
Liquid Connection Valve Size ("O.D.)	¾"	⅝"	⅝"	⅝"
Suction Connection Valve Size ("O.D.)	1⅜"	1⅜"	1⅜"	1⅜"
Valve Type	Sweat	Sweat	Sweat	Sweat
Refrigerant Charge (oz.)	35	35	35	35
ELECTRICAL DATA				
AC Volts	208/230	460	208/230	460
Hz / Phase	60 Hz/3	60 Hz/3	60 Hz/3	60 Hz/3
Minimum Circuit Ampacity ²	36.9	18.8	43.2	24.4
Max. Overcurrent Protection ³	60	30	70	40
Min / Max Volts	197/253	414/506	197/253	414/506
Electrical Conduit Size	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"
SHIP WEIGHT (LBS)	334	334	383	383

¹ Tested and rated in accordance with ARI Standard 208/230

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 rating plate for electrical data on the unit being installed.
- Installer will need to supply ⅝" to 1⅜" adapters for suction line connections.
- Unit is charged with refrigerant for 15' of ⅝" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.

EXPANDED COOLING DATA — GSZ110903A* / AR0904*

		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								
70	2800	MBh	76.4	79.2	86.8	-	74.6	77.3	84.7	-	72.8	75.5	82.7	-	71.1	73.7	80.7	-	67.5	70.0	76.7	-	67.5	70.0	76.7	-	62.5	64.8	71.0	-							
		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	0.65	0.45	-	0.79	0.66	0.45	-							
		ΔT	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	17	15	11	-	16	14	11	-							
		kW	6.14	6.26	6.44	-	6.57	6.70	6.90	-	6.95	7.09	7.31	-	7.29	7.44	7.66	-	7.57	7.73	7.97	-	7.57	7.73	7.97	-	7.82	7.98	8.23	-							
		Amps	27.8	28.2	28.7	-	29.1	29.5	30.0	-	30.5	31.0	31.6	-	31.8	32.2	32.9	-	33.0	33.5	34.2	-	33.0	33.5	34.2	-	34.2	34.8	35.5	-							
		HI PR	212	228	241	-	238	256	270	-	270	291	307	-	308	331	350	-	346	373	393	-	346	373	393	-	383	412	435	-							
		LO PR	101	108	118	-	107	114	125	-	111	119	129	-	117	125	136	-	123	130	142	-	123	130	142	-	127	135	147	-							
70	3192	MBh	82.8	85.8	94.0	-	80.8	83.8	91.8	-	78.9	81.8	89.6	-	77.0	79.8	87.4	-	73.1	75.8	83.1	-	73.1	75.8	83.1	-	67.8	70.2	76.9	-							
		S/T	0.71	0.59	0.41	-	0.74	0.61	0.43	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-							
		ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-							
		kW	6.28	6.40	6.58	-	6.72	6.86	7.06	-	7.11	7.26	7.48	-	7.46	7.61	7.85	-	7.76	7.92	8.16	-	7.76	7.92	8.16	-	8.01	8.18	8.44	-							
		Amps	28.3	28.6	29.2	-	29.5	30.0	30.5	-	31.0	31.5	32.1	-	32.3	32.8	33.5	-	33.6	34.1	34.9	-	33.6	34.1	34.9	-	34.9	35.4	36.2	-							
		HI PR	218	235	248	-	245	264	278	-	279	300	317	-	317	341	361	-	357	384	406	-	357	384	406	-	394	424	448	-							
		LO PR	105	111	122	-	111	118	128	-	115	122	133	-	121	128	140	-	126	135	147	-	126	135	147	-	131	139	152	-							
3600		MBh	85.3	88.4	96.8	-	83.3	86.3	94.6	-	81.3	84.3	92.3	-	79.3	82.2	90.1	-	75.3	78.1	85.6	-	75.3	78.1	85.6	-	69.8	72.3	79.3	-							
		S/T	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-							
		ΔT	16	14	11	-	16	14	11	-	16	14	11	-	17	14	11	-	16	14	11	-	16	14	11	-	15	13	10	-							
		kW	6.32	6.45	6.63	-	6.77	6.91	7.11	-	7.17	7.31	7.54	-	7.52	7.67	7.91	-	7.82	7.98	8.23	-	7.82	7.98	8.23	-	8.07	8.24	8.50	-							
		Amps	28.4	28.8	29.3	-	29.7	30.1	30.7	-	31.2	31.7	32.3	-	32.5	33.0	33.7	-	33.8	34.3	35.1	-	33.8	34.3	35.1	-	35.1	35.6	36.4	-							
		HI PR	220	237	251	-	247	266	281	-	281	303	320	-	320	345	364	-	361	388	410	-	361	388	410	-	398	429	453	-							
		LO PR	106	112	123	-	112	119	130	-	116	123	135	-	122	130	142	-	128	136	148	-	128	136	148	-	132	141	153	-							

75	MBh	77.7	80.0	86.6	92.9	75.9	78.1	84.6	90.8	74.1	76.3	82.6	88.6	72.3	74.4	80.5	86.4	68.7	70.7	76.5	82.1	63.6	65.5	70.9	76.1
	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	0.85	0.76	0.58	0.37	0.89	0.79	0.60	0.39	0.89	0.80	0.60	0.39
	ΔT	20	18	15	10	20	19	15	10	20	19	15	10	20	19	15	11	20	18	15	10	19	17	14	10
	kW	6.18	6.30	6.49	6.68	6.62	6.75	6.95	7.16	7.00	7.15	7.36	7.59	7.34	7.50	7.73	7.97	7.63	7.79	8.03	8.29	7.88	8.05	8.30	8.56
	Amps	28.0	28.3	28.9	29.5	29.2	29.6	30.2	30.9	30.7	31.1	31.8	32.5	31.9	32.4	33.1	33.9	33.2	33.7	34.4	35.3	34.5	35.0	35.8	36.7
	HI PR	214	230	243	254	240	258	273	284	273	294	310	324	311	335	353	368	350	376	397	415	386	416	439	458
	LO PR	103	109	119	127	108	115	126	134	113	120	131	139	118	126	137	146	124	132	144	153	128	136	149	159
	MBh	84.2	86.7	93.8	100.7	82.2	84.6	91.6	98.3	80.3	82.6	89.4	96.0	78.3	80.6	87.3	93.7	74.4	76.6	82.9	89.0	68.9	70.9	76.8	82.4
	S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40
	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
3192	kW	6.32	6.45	6.63	6.83	6.77	6.91	7.11	7.33	7.17	7.32	7.54	7.77	7.52	7.68	7.91	8.16	7.82	7.98	8.23	8.49	8.07	8.24	8.50	8.78
	Amps	28.4	28.8	29.3	30.0	29.7	30.1	30.7	31.4	31.2	31.7	32.3	33.1	32.5	33.0	33.7	34.5	33.8	34.3	35.1	35.9	35.1	35.7	36.4	37.4
	HI PR	221	237	251	261	247	266	281	293	281	303	320	334	321	345	364	380	361	388	410	427	398	429	453	472
	LO PR	106	112	123	131	112	119	130	138	116	123	135	144	122	130	142	151	128	136	148	158	132	141	153	163
	MBh	86.7	89.3	96.6	103.7	84.7	87.2	94.4	101.3	82.7	85.1	92.1	98.9	80.6	83.0	89.9	96.5	76.6	78.9	85.4	91.6	71.0	73.1	79.1	84.9
	S/T	0.85	0.76	0.57	0.37	0.88	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.96	0.86	0.65	0.42	0.97	0.87	0.66	0.42
	ΔT	19	17	14	10	19	17	14	10	19	17	14	10	19	18	14	10	19	17	14	10	18	16	13	9
	kW	6.37	6.49	6.68	6.88	6.82	6.96	7.17	7.39	7.22	7.37	7.60	7.83	7.58	7.74	7.97	8.23	7.88	8.04	8.30	8.56	8.14	8.31	8.57	8.85
	Amps	28.5	28.9	29.5	30.1	29.9	30.3	30.9	31.6	31.4	31.8	32.5	33.3	32.7	33.2	33.9	34.7	34.0	34.5	35.3	36.2	35.3	35.9	36.7	37.6
	HI PR	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	384	364	392	414	432	402	433	457	477
	LO PR	107	114	124	132	113	120	131	139	117	125	136	145	123	131	143	152	129	137	150	160	133	142	155	165

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

EXPANDED COOLING DATA — GSZ110903A* / AR0904* (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
IDB	AIRFLOW	59	63	67	71	75	79	83	87	91	95	99	103	107	111	115	119	123	127	131	135	139	143	147	151	155	159	163	167	171	175	179	183	187	191	195	
		ENTERING INDOOR WET BULB TEMPERATURE																																			
2800	MBh	79.1	80.8	86.3	92.3	97.2	102.1	107.0	111.9	116.8	121.7	126.6	131.5	136.4	141.3	146.2	151.1	156.0	160.9	165.8	170.7	175.6	180.5	185.4	190.3	195.2	200.1	205.0	210.0	214.9	219.8	224.7	229.6	234.5	239.4	244.3	
	S/T	0.85	0.80	0.65	0.49	0.33	0.17	0.01	-0.15	-0.31	-0.47	-0.63	-0.79	-0.95	-1.11	-1.27	-1.43	-1.59	-1.75	-1.91	-2.07	-2.23	-2.39	-2.55	-2.71	-2.87	-3.03	-3.19	-3.35	-3.51	-3.67	-3.83	-3.99	-4.15	-4.31	-4.47	
	ΔT	22	21	18	15	12	9	6	3	0	-3	-6	-9	-12	-15	-18	-21	-24	-27	-30	-33	-36	-39	-42	-45	-48	-51	-54	-57	-60	-63	-66	-69	-72	-75		
	kW	6.23	6.35	6.53	6.73	6.93	7.13	7.33	7.53	7.73	7.93	8.13	8.33	8.53	8.73	8.93	9.13	9.33	9.53	9.73	9.93	10.13	10.33	10.53	10.73	10.93	11.13	11.33	11.53	11.73	11.93	12.13	12.33	12.53	12.73	12.93	
	Amps	28.1	28.5	29.0	29.6	30.1	30.6	31.1	31.6	32.1	32.6	33.1	33.6	34.1	34.6	35.1	35.6	36.1	36.6	37.1	37.6	38.1	38.6	39.1	39.6	40.1	40.6	41.1	41.6	42.1	42.6	43.1	43.6	44.1	44.6	45.1	
	HI PR	216	233	246	256	266	276	286	296	306	316	326	336	346	356	366	376	386	396	406	416	426	436	446	456	466	476	486	496	506	516	526	536	546	556	566	
	LO PR	104	110	120	128	136	144	152	160	168	176	184	192	200	208	216	224	232	240	248	256	264	272	280	288	296	304	312	320	328	336	344	352	360	368	376	
3192	MBh	85.7	87.5	93.5	100.0	106.5	113.0	119.5	126.0	132.5	139.0	145.5	152.0	158.5	165.0	171.5	178.0	184.5	191.0	197.5	204.0	210.5	217.0	223.5	230.0	236.5	243.0	249.5	256.0	262.5	269.0	275.5	282.0	288.5	295.0	301.5	
	S/T	0.88	0.83	0.68	0.50	0.32	0.14	-0.04	-0.22	-0.40	-0.58	-0.76	-0.94	-1.12	-1.30	-1.48	-1.66	-1.84	-2.02	-2.20	-2.38	-2.56	-2.74	-2.92	-3.10	-3.28	-3.46	-3.64	-3.82	-4.00	-4.18	-4.36	-4.54	-4.72	-4.90		
	ΔT	22	21	18	15	12	9	6	3	0	-3	-6	-9	-12	-15	-18	-21	-24	-27	-30	-33	-36	-39	-42	-45	-48	-51	-54	-57	-60	-63	-66	-69	-72	-75		
	kW	6.37	6.49	6.68	6.88	7.08	7.28	7.48	7.68	7.88	8.08	8.28	8.48	8.68	8.88	9.08	9.28	9.48	9.68	9.88	10.08	10.28	10.48	10.68	10.88	11.08	11.28	11.48	11.68	11.88	12.08	12.28	12.48	12.68	12.88		
	Amps	28.5	28.9	29.5	30.1	30.7	31.3	31.9	32.5	33.1	33.7	34.3	34.9	35.5	36.1	36.7	37.3	37.9	38.5	39.1	39.7	40.3	40.9	41.5	42.1	42.7	43.3	43.9	44.5	45.1	45.7	46.3	46.9	47.5	48.1	48.7	
	HI PR	223	240	253	264	275	286	296	306	316	326	336	346	356	366	376	386	396	406	416	426	436	446	456	466	476	486	496	506	516	526	536	546	556	566	572	
	LO PR	107	114	124	132	140	148	156	164	172	180	188	196	204	212	220	228	236	244	252	260	268	276	284	292	300	308	316	324	332	340	348	356	364	372	380	
3600	MBh	88.2	90.2	96.3	103.0	109.7	116.4	123.1	129.8	136.5	143.2	149.9	156.6	163.3	170.0	176.7	183.4	190.1	196.8	203.5	210.2	216.9	223.6	230.3	237.0	243.7	250.4	257.1	263.8	270.5	277.2	283.9	290.6	297.3	304.0		
	S/T	0.93	0.87	0.71	0.53	0.35	0.17	-0.01	-0.19	-0.37	-0.55	-0.73	-0.91	-1.09	-1.27	-1.45	-1.63	-1.81	-1.99	-2.17	-2.35	-2.53	-2.71	-2.89	-3.07	-3.25	-3.43	-3.61	-3.79	-3.97	-4.15	-4.33	-4.51	-4.69			
	ΔT	21	20	17	14	11	8	5	2	-1	-4	-7	-10	-13	-16	-19	-22	-25	-28	-31	-34	-37	-40	-43	-46	-49	-52	-55	-58	-61	-64	-67	-70	-73	-76		
	kW	6.42	6.54	6.73	6.94	7.15	7.36	7.57	7.78	7.99	8.20	8.41	8.62	8.83	9.04	9.25	9.46	9.67	9.88	10.09	10.30	10.51	10.72	10.93	11.14	11.35	11.56	11.77	11.98	12.19	12.40	12.61	12.82	13.03	13.24		
	Amps	28.7	29.1	29.6	30.3	30.9	31.5	32.1	32.7	33.3	33.9	34.5	35.1	35.7	36.3	36.9	37.5	38.1	38.7	39.3	39.9	40.5	41.1	41.7	42.3	42.9	43.5	44.1	44.7	45.3	45.9	46.5	47.1	47.7	48.3		
	HI PR	225	242	256	267	278	289	299	309	319	329	339	349	359	369	379	389	399	409	419	429	439	449	459	469	479	489	499	509	519	529	539	549	559	569		
	LO PR	108	115	125	133	141	148	156	164	172	180	188	196	204	212	220	228	236	244	252	260	268	276	284	292	300	308	316	324	332	340	348	356	364	372	380	

85	2800	MBh	80.5	82.0	85.9	91.6	78.6	80.1	83.9	89.5	76.7	78.2	81.9	87.4	74.8	76.3	79.9	85.2	71.1	72.5	75.9	81.0	65.9	67.1	70.3	75.0
		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	0.73
		ΔT	24	23	22	19	24	24	22	19	24	24	22	19	24	24	22	19	23	23	22	19	22	22	21	18
		kW	6.27	6.40	6.58	6.78	6.72	6.85	7.06	7.27	7.11	7.26	7.48	7.71	7.46	7.61	7.85	8.09	7.75	7.92	8.16	8.42	8.01	8.18	8.43	8.70
		Amps	28.2	28.6	29.2	29.8	29.5	29.9	30.5	31.2	31.0	31.5	32.1	32.9	32.3	32.8	33.5	34.3	33.6	34.1	34.9	35.7	34.9	35.4	36.2	37.1
		Hi PR	218	235	248	259	245	264	278	290	278	300	316	330	317	341	360	376	357	384	405	423	394	424	448	467
		LO PR	105	111	121	129	110	118	128	137	115	122	133	142	121	128	140	149	126	134	147	156	131	139	152	162
		MBh	87.2	88.9	93.1	99.3	85.1	86.8	90.9	97.0	83.1	84.7	88.7	94.7	81.1	82.7	86.6	92.4	77.0	78.5	82.2	87.7	71.4	72.7	76.2	81.3
	3192	S/T	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.99	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.75	1.00	1.00	0.93	0.75
		ΔT	23	23	22	19	24	23	22	19	24	23	22	19	23	23	22	19	22	22	23	19	21	21	20	18
		kW	6.42	6.54	6.73	6.94	6.88	7.01	7.22	7.45	7.28	7.43	7.66	7.90	7.64	7.80	8.04	8.29	7.94	8.11	8.36	8.63	8.20	8.38	8.64	8.92
		Amps	28.7	29.1	29.6	30.3	30.0	30.4	31.0	31.7	31.6	32.0	32.7	33.4	32.9	33.4	34.1	34.9	34.2	34.7	35.5	36.4	35.5	36.1	36.9	37.8
		Hi PR	225	242	256	267	252	272	287	299	287	309	326	340	327	352	372	388	368	396	418	436	406	437	462	482
		LO PR	108	115	125	133	114	121	132	141	118	126	137	146	124	132	144	154	130	139	151	161	135	143	157	167
MBh		89.8	91.5	95.8	102.3	87.7	89.4	93.6	99.9	85.6	87.3	91.4	97.5	83.5	85.1	89.2	95.1	79.3	80.9	84.7	90.4	73.5	74.9	78.5	83.7	
S/T		0.97	0.94	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79	
3600	ΔT	22	22	21	18	22	22	21	18	22	22	21	18	21	22	21	18	20	21	21	18	19	19	19	17	
	kW	6.46	6.59	6.79	6.99	6.93	7.07	7.28	7.50	7.34	7.49	7.72	7.96	7.70	7.86	8.10	8.36	8.00	8.17	8.43	8.70	8.27	8.44	8.71	8.99	
	Amps	28.8	29.2	29.8	30.4	30.2	30.6	31.2	31.9	31.7	32.2	32.9	33.6	33.1	33.6	34.3	35.1	34.4	35.0	35.7	36.6	35.7	36.3	37.1	38.1	
	Hi PR	227	245	258	269	255	274	290	302	290	312	330	344	330	355	375	391	372	400	422	440	411	442	466	487	
	LO PR	109	116	126	135	115	122	134	142	120	127	139	148	126	134	146	155	132	140	153	163	136	145	158	168	

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

Shaded area reflects AHRl (TVA) conditions

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

EXPANDED COOLING DATA — GSZ110904A* / AR0904*

		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								
70	2800	MBh	76.4	79.2	86.8	-	74.6	77.3	84.7	-	72.8	75.5	82.7	-	71.1	73.7	80.7	-	67.5	70.0	76.7	-	62.5	64.8	71.0	-	62.5	64.8	71.0	-							
		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	-	0.79	0.66	0.45	-	0.79	0.66	0.45	-							
		ΔT	17	15	11	-	17	15	11	-	17	15	11	-	18	15	12	-	17	15	11	-	16	14	11	-	16	14	11	-							
		kW	6.14	6.26	6.44	-	6.57	6.70	6.90	-	6.95	7.09	7.31	-	7.29	7.44	7.66	-	7.57	7.73	7.97	-	7.82	7.98	8.23	-	7.82	7.98	8.23	-							
		Amps	55.7	56.0	56.6	-	56.9	57.3	57.9	-	58.4	58.8	59.4	-	59.6	60.1	60.8	-	60.9	61.4	62.1	-	62.1	62.6	63.4	-	62.1	62.6	63.4	-							
		HI PR	212	228	241	-	238	256	270	-	270	291	307	-	308	331	350	-	346	373	393	-	383	412	435	-	383	412	435	-							
		LO PR	101	108	118	-	107	114	125	-	111	119	129	-	117	125	136	-	123	130	142	-	127	135	147	-	127	135	147	-							
70	3275	MBh	82.8	85.8	94.0	-	80.8	83.8	91.8	-	78.9	81.8	89.6	-	77.0	79.8	87.4	-	73.1	75.8	83.1	-	67.8	70.2	76.9	-	67.8	70.2	76.9	-							
		S/T	0.71	0.59	0.41	-	0.74	0.61	0.43	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-	0.81	0.68	0.47	-							
		ΔT	16	14	11	-	17	14	11	-	17	14	11	-	17	15	11	-	17	14	11	-	16	13	10	-	16	13	10	-							
		kW	6.28	6.40	6.58	-	6.72	6.86	7.06	-	7.11	7.26	7.48	-	7.46	7.61	7.85	-	7.76	7.92	8.16	-	8.01	8.18	8.44	-	8.01	8.18	8.44	-							
		Amps	56.1	56.5	57.0	-	57.4	57.8	58.4	-	58.9	59.3	60.0	-	60.2	60.7	61.3	-	61.5	62.0	62.7	-	62.7	63.3	64.1	-	62.7	63.3	64.1	-							
		HI PR	218	235	248	-	245	264	278	-	279	300	317	-	317	341	361	-	357	384	406	-	394	424	448	-	394	424	448	-							
		LO PR	105	111	122	-	111	118	128	-	115	122	133	-	121	128	140	-	126	135	147	-	131	139	152	-	131	139	152	-							
3600	3600	MBh	83.6	86.6	94.9	-	81.7	84.6	92.7	-	79.7	82.6	90.5	-	77.8	80.6	88.3	-	73.9	76.6	83.9	-	68.4	70.9	77.7	-	68.4	70.9	77.7	-							
		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	-							
		ΔT	15	13	10	-	16	14	10	-	16	14	10	-	16	14	10	-	16	13	10	-	15	13	10	-	15	13	10	-							
		kW	6.29	6.41	6.60	-	6.74	6.87	7.08	-	7.13	7.28	7.50	-	7.48	7.63	7.87	-	7.77	7.94	8.18	-	8.03	8.20	8.46	-	8.03	8.20	8.46	-							
		Amps	56.1	56.5	57.1	-	57.4	57.9	58.4	-	58.9	59.4	60.0	-	60.2	60.7	61.4	-	61.5	62.0	62.8	-	62.8	63.3	64.1	-	62.8	63.3	64.1	-							
		HI PR	219	236	249	-	246	264	279	-	279	301	318	-	318	342	362	-	358	385	407	-	396	426	449	-	396	426	449	-							
		LO PR	105	112	122	-	111	118	129	-	115	123	134	-	121	129	141	-	127	135	147	-	131	140	152	-	131	140	152	-							

75	2800	MBh	77.7	80.0	86.6	92.9	75.9	78.1	84.6	90.8	74.1	76.3	82.6	88.6	72.3	74.4	80.5	86.4	68.7	70.7	76.5	82.1	63.6	65.5	70.9	76.1
		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	0.85	0.76	0.58	0.37	0.89	0.79	0.60	0.39	0.89	0.80	0.60	0.39
		ΔT	20	18	15	10	20	19	15	10	20	19	15	10	20	19	15	11	20	18	15	10	19	17	14	10
		kW	6.18	6.30	6.49	6.68	6.62	6.75	6.95	7.16	7.00	7.15	7.36	7.59	7.34	7.50	7.73	7.97	7.63	7.79	8.03	8.29	7.88	8.05	8.30	8.56
		Amps	55.8	56.2	56.7	57.3	57.1	57.5	58.1	58.7	58.5	59.0	59.6	60.3	59.8	60.3	60.9	61.7	61.1	61.6	62.3	63.1	62.3	62.8	63.6	64.5
		Hi PR	214	230	243	254	240	258	273	284	273	294	310	324	311	335	353	368	350	376	397	415	386	416	439	458
		LO PR	103	109	119	127	108	115	126	134	113	120	131	139	118	126	137	146	124	132	144	153	128	136	149	159
		MBh	84.2	86.7	93.8	100.7	82.2	84.6	91.6	98.3	80.3	82.6	89.4	96.0	78.3	80.6	87.3	93.7	74.4	76.6	82.9	89.0	68.9	70.9	76.8	82.4
	3275	S/T	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.37	0.89	0.79	0.60	0.39	0.92	0.82	0.62	0.40	0.93	0.83	0.63	0.40
		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	6.32	6.45	6.63	6.83	6.77	6.91	7.11	7.33	7.17	7.32	7.54	7.77	7.52	7.68	7.91	8.16	7.82	7.98	8.23	8.49	8.07	8.24	8.50	8.78
		Amps	56.2	56.6	57.2	57.8	57.5	58.0	58.6	59.2	59.1	59.5	60.2	60.9	60.4	60.8	61.5	62.4	61.7	62.2	62.9	63.8	62.9	63.5	64.3	65.2
		Hi PR	221	237	251	261	247	266	281	293	281	303	320	334	321	345	364	380	361	388	410	427	398	429	453	472
		LO PR	106	112	123	131	112	119	130	138	116	123	135	144	122	130	142	151	128	136	148	158	132	141	153	163
		MBh	85.0	87.5	94.7	101.7	83.0	85.5	92.5	99.3	81.1	83.5	90.3	97.0	79.1	81.4	88.1	94.6	75.1	77.4	83.7	89.9	69.6	71.7	77.6	83.2
3600	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	18	16	13	9	18	17	14	9	18	17	14	9	18	17	14	9	18	17	14	9	17	15	13	9	
	kW	6.34	6.46	6.65	6.85	6.79	6.92	7.13	7.35	7.19	7.33	7.56	7.79	7.54	7.69	7.93	8.18	7.84	8.00	8.25	8.51	8.09	8.26	8.52	8.80	
	Amps	56.3	56.7	57.2	57.9	57.6	58.0	58.6	59.3	59.1	59.6	60.2	61.0	60.4	60.9	61.6	62.4	61.7	62.2	63.0	63.9	63.0	63.6	64.4	65.3	
	Hi PR	221	238	251	262	248	267	282	294	282	304	321	335	321	346	365	381	362	389	411	429	400	430	454	474	
	LO PR	106	113	123	131	112	119	130	139	116	124	135	144	122	130	142	151	128	136	149	158	133	141	154	164	

EXPANDED COOLING DATA — GSZ110904A* / AR0904* (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																																							
		65°F						75°F						85°F						95°F						105°F						115°F									
IDB	AIRFLOW	59	63	67	71	75	79	83	87	91	95	99	103	107	111	115	119	123	127	131	135	139	143	147	151	155	159	163	167	171	175	179	183	187	191	195	199	203			
80	2800	MBh	79.1	80.8	86.3	92.3	77.2	78.9	84.3	90.1	75.4	77.0	82.3	88.0	73.6	75.2	80.3	85.8	69.9	71.4	76.3	81.5	64.7	66.1	70.7	75.5	64.7	66.1	70.7	75.5	64.7	66.1	70.7	75.5	64.7	66.1	70.7	75.5	64.7	66.1	
		S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.68	0.50	0.91	0.85	0.69	0.52	0.94	0.88	0.71	0.53	0.97	0.91	0.74	0.55	1.00	0.95	0.78	0.58	1.00	0.95	0.78	0.58	1.00	0.95	0.78	0.58	1.00	0.95	0.78	0.58	1.00	0.95	
		ΔT	22	21	18	15	22	21	19	15	22	22	19	15	23	22	19	15	22	21	18	14	20	19	17	13	21	20	19	17	13	21	20	19	17	13	21	20	19	17	13
		kW	6.23	6.35	6.53	6.73	6.67	6.80	7.00	7.22	7.06	7.20	7.42	7.65	7.40	7.55	7.79	8.03	7.69	7.85	8.10	8.35	7.95	8.11	8.37	8.63	7.95	8.11	8.37	8.63	7.95	8.11	8.37	8.63	7.95	8.11	8.37	8.63	7.95	8.11	
		Amps	56.0	56.3	56.9	57.5	57.2	57.6	58.2	58.9	58.7	59.2	59.8	60.5	60.0	60.5	61.1	61.9	61.3	61.8	62.5	63.3	62.5	63.1	63.8	64.7	62.5	63.1	63.8	64.7	62.5	63.1	63.8	64.7	62.5	63.1	63.8	64.7	62.5	63.1	
		HI PR	216	233	246	256	242	261	275	287	276	297	313	327	314	338	357	372	353	380	401	419	390	420	444	463	390	420	444	463	390	420	444	463	390	420	444	463	390	420	
80	3275	LO PR	104	110	120	128	109	116	127	135	114	121	132	141	119	127	139	148	125	133	145	155	129	138	150	160	129	138	150	160	129	138	150	160	129	138	150	160	129	138	
		MBh	85.7	87.5	93.5	100.0	83.7	85.5	91.4	97.7	81.7	83.5	89.2	95.3	79.7	81.4	87.0	93.0	75.7	77.4	82.7	88.4	70.1	71.7	76.6	81.8	70.1	71.7	76.6	81.8	70.1	71.7	76.6	81.8	70.1	71.7	76.6	81.8	70.1	71.7	
		S/T	0.88	0.83	0.68	0.50	0.92	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.95	0.78	0.58	1.00	0.95	0.78	0.58	1.00	0.95	0.78	0.58	1.00	0.95	0.78	0.58	1.00	0.95	
		ΔT	21	20	18	14	22	21	18	14	22	22	19	15	23	22	19	15	22	21	18	14	20	19	17	13	21	20	19	17	13	21	20	19	17	13	21	20	19	17	13
		kW	6.37	6.49	6.68	6.88	6.82	6.96	7.17	7.39	7.22	7.37	7.60	7.83	7.58	7.74	7.98	8.23	7.88	8.04	8.30	8.56	8.14	8.31	8.57	8.85	8.14	8.31	8.57	8.85	8.14	8.31	8.57	8.85	8.14	8.31	8.57	8.85	8.14	8.31	
		Amps	56.4	56.8	57.3	58.0	57.7	58.1	58.7	59.4	59.2	59.7	60.3	61.1	60.5	61.0	61.7	62.6	61.9	62.4	63.1	64.0	63.2	63.7	64.5	65.4	63.2	63.7	64.5	65.4	63.2	63.7	64.5	65.4	63.2	63.7	64.5	65.4	63.2	63.7	
85	3600	HI PR	223	240	253	264	250	269	284	296	284	306	323	337	324	348	368	384	364	392	414	432	402	433	457	477	402	433	457	477	402	433	457	477	402	433	457	477	402	433	
		LO PR	107	114	124	132	113	120	131	140	117	125	136	145	123	131	143	152	129	137	150	160	133	142	155	165	133	142	155	165	133	142	155	165	133	142	155	165	133	142	
		MBh	86.5	88.4	94.5	101.0	84.5	86.4	92.3	98.6	82.5	84.3	90.1	96.3	80.5	82.2	87.9	93.9	76.5	78.1	83.5	89.2	70.8	72.4	77.3	82.7	70.8	72.4	77.3	82.7	70.8	72.4	77.3	82.7	70.8	72.4	77.3	82.7	70.8	72.4	
		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	0.97	0.79	0.59	1.00	0.97	0.79	0.59	1.00	0.97	0.79	0.59	1.00	0.97	
		ΔT	20	19	17	13	20	19	17	13	20	19	17	13	20	20	17	14	20	19	17	13	18	18	16	12	18	18	16	12	18	18	16	12	18	18	16	12	18	18	
		kW	6.38	6.51	6.70	6.90	6.84	6.98	7.19	7.41	7.24	7.39	7.62	7.85	7.60	7.75	7.99	8.25	7.90	8.06	8.32	8.58	8.16	8.33	8.59	8.87	8.16	8.33	8.59	8.87	8.16	8.33	8.59	8.87	8.16	8.33	8.59	8.87	8.16	8.33	
85	3275	Amps	56.4	56.8	57.4	58.0	57.8	58.2	58.8	59.5	59.3	59.7	60.4	61.2	60.6	61.1	61.8	62.6	61.9	62.5	63.2	64.1	63.2	63.8	64.6	65.5	63.2	63.8	64.6	65.5	63.2	63.8	64.6	65.5	63.2	63.8	64.6	65.5	63.2	63.8	
		HI PR	223	240	254	265	251	270	285	297	285	307	324	338	325	349	369	385	365	393	415	433	404	434	459	478	404	434	459	478	404	434	459	478	404	434	459	478	404	434	
		LO PR	107	114	124	132	113	120	131	140	118	125	137	145	123	131	143	153	129	138	150	160	134	142	155	166	134	142	155	166	134	142	155	166	134	142	155	166	134	142	
		MBh	87.2	88.9	93.1	99.3	85.1	86.8	90.9	97.0	83.1	84.7	88.7	94.7	81.1	82.7	86.6	92.4	77.0	78.5	82.2	87.7	71.4	72.7	76.2	81.3	71.4	72.7	76.2	81.3	71.4	72.7	76.2	81.3	71.4	72.7	76.2	81.3	71.4	72.7	
		S/T	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.99	0.95	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.94	0.76	1.00	1.00	0.95	0.77	1.00	1.00	0.95	0.77	1.00	1.00	0.95	0.77	1.00	1.00	0.95	0.77	1.00	1.00	
		ΔT	23	22	21	18	23	23	21	18	23	23	21	19	23	23	22	19	22	22	21	18	20	20	20	17	20	20	20	17	20	20	20	17	20	20	17	20	20	17	20
3600	kW	6.43	6.56	6.75	6.95	6.89	7.03	7.24	7.46	7.30	7.45	7.67	7.91	7.66	7.81	8.06	8.31	7.96	8.13	8.38	8.65	8.22	8.40	8.66	8.94	8.22	8.40	8.66	8.94	8.22	8.40	8.66	8.94	8.22	8.40	8.66	8.94	8.2			

EXPANDED COOLING DATA — GSZ111203A* / AR1204*

		OUTDOOR AMBIENT TEMPERATURE																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
IDB	AIRFLOW	ENTERING INDOOR WET BULB TEMPERATURE																																			
70	MBh	96.6	100.1	109.7	-	94.3	97.8	107.1	-	92.1	95.5	104.6	-	89.9	93.1	102.0	-	85.4	88.5	96.9	-	79.1	82.0	89.8	-	79.1	82.0	89.8	-	79.1	82.0	89.8	-	79.1	82.0	89.8	-
	S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.71	0.60	0.41	-	0.74	0.61	0.43	-	0.76	0.64	0.44	-	0.77	0.64	0.45	-	0.77	0.64	0.45	-	0.77	0.64	0.45	-	0.77	0.64	0.45	-
	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	-	17	15	11	-
	kW	8.06	8.21	8.45	-	8.62	8.79	9.05	-	9.12	9.30	9.58	-	9.56	9.75	10.05	-	9.93	10.13	10.44	-	10.25	10.46	10.79	-	10.25	10.46	10.79	-	10.25	10.46	10.79	-	10.25	10.46	10.79	-
	Amps	39.5	40.0	40.6	-	41.1	41.6	42.4	-	43.0	43.6	44.4	-	44.6	45.3	46.1	-	46.3	46.9	47.9	-	47.9	48.6	49.6	-	47.9	48.6	49.6	-	47.9	48.6	49.6	-	47.9	48.6	49.6	-
	HI PR	215	232	245	-	242	260	275	-	275	296	312	-	313	337	356	-	352	379	400	-	389	419	442	-	389	419	442	-	389	419	442	-	389	419	442	-
	LO PR	101	108	117	-	107	114	124	-	111	118	129	-	117	124	135	-	122	130	142	-	126	134	147	-	126	134	147	-	126	134	147	-	126	134	147	-
70	MBh	104.7	108.5	118.8	-	102.2	105.9	116.1	-	99.8	103.4	113.3	-	97.4	100.9	110.6	-	92.5	95.9	105.0	-	85.7	88.8	97.3	-	85.7	88.8	97.3	-	85.7	88.8	97.3	-	85.7	88.8	97.3	-
	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	-	0.80	0.67	0.46	-	0.80	0.67	0.46	-	0.80	0.67	0.46	-
	ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-	17	14	11	-	17	14	11	-	17	14	11	-
	kW	8.24	8.40	8.64	-	8.82	8.99	9.26	-	9.33	9.52	9.80	-	9.78	9.98	10.29	-	10.16	10.38	10.70	-	10.50	10.72	11.05	-	10.50	10.72	11.05	-	10.50	10.72	11.05	-	10.50	10.72	11.05	-
	Amps	40.0	40.5	41.2	-	41.7	42.3	43.0	-	43.7	44.3	45.1	-	45.4	46.0	46.9	-	47.0	47.7	48.7	-	48.7	49.4	50.4	-	48.7	49.4	50.4	-	48.7	49.4	50.4	-	48.7	49.4	50.4	-
	HI PR	222	239	252	-	249	268	283	-	283	305	322	-	323	347	367	-	363	391	413	-	401	432	456	-	401	432	456	-	401	432	456	-	401	432	456	-
	LO PR	104	111	121	-	110	117	128	-	114	122	133	-	120	128	140	-	126	134	146	-	130	139	151	-	130	139	151	-	130	139	151	-	130	139	151	-
4275	MBh	107.8	111.7	122.4	-	105.3	109.1	119.6	-	102.8	106.5	116.7	-	100.3	103.9	113.9	-	95.3	98.7	108.2	-	88.2	91.5	100.2	-	88.2	91.5	100.2	-	88.2	91.5	100.2	-	88.2	91.5	100.2	-
	S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-	0.84	0.70	0.48	-	0.84	0.70	0.48	-	0.84	0.70	0.48	-
	ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-	16	14	10	-	16	14	10	-	16	14	10	-
	kW	8.30	8.46	8.70	-	8.88	9.06	9.33	-	9.40	9.59	9.88	-	9.86	10.06	10.37	-	10.24	10.46	10.78	-	10.58	10.80	11.14	-	10.58	10.80	11.14	-	10.58	10.80	11.14	-	10.58	10.80	11.14	-
	Amps	40.2	40.7	41.4	-	41.9	42.5	43.2	-	43.9	44.5	45.3	-	45.6	46.2	47.1	-	47.3	48.0	49.0	-	49.0	49.7	50.7	-	49.0	49.7	50.7	-	49.0	49.7	50.7	-	49.0	49.7	50.7	-
	HI PR	224	241	255	-	252	271	286	-	286	308	325	-	326	351	370	-	367	395	417	-	405	436	461	-	405	436	461	-	405	436	461	-	405	436	461	-
	LO PR	105	112	122	-	111	118	129	-	116	123	134	-	121	129	141	-	127	135	148	-	132	140	153	-	132	140	153	-	132	140	153	-	132	140	153	-

3325	MBh	98.2	101.1	109.5	117.5	95.9	98.8	106.9	114.8	93.7	96.4	104.4	112.0	91.4	94.1	101.8	109.3	86.8	89.4	96.7	103.8	80.4	82.8	89.6	96.2
	S/T	0.76	0.68	0.52	0.33	0.79	0.71	0.53	0.34	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.87	0.78	0.59	0.38	0.88	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	8.12	8.27	8.51	8.76	8.69	8.86	9.12	9.39	9.19	9.37	9.65	9.95	9.63	9.83	10.13	10.44	10.01	10.21	10.53	10.86	10.33	10.55	10.87	11.22
	Amps	39.7	40.1	40.8	41.6	41.3	41.8	42.6	43.5	43.2	43.8	44.6	45.6	44.9	45.5	46.4	47.4	46.5	47.2	48.1	49.2	48.1	48.9	49.9	51.0
	Hi PR	218	234	247	258	244	263	277	289	278	299	316	329	316	340	359	375	356	383	404	422	393	423	447	466
	Lo PR	102	109	119	126	108	115	125	133	112	119	130	139	118	125	137	146	123	131	143	153	128	136	148	158
	MBh	106.4	109.6	118.6	127.3	104.0	107.0	115.8	124.3	101.5	104.5	113.1	121.4	99.0	101.9	110.3	118.4	94.1	96.8	104.8	112.5	87.1	89.7	97.1	104.2
	S/T	0.79	0.71	0.54	0.34	0.82	0.73	0.55	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	0.61	0.40
	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
3797	kW	8.30	8.46	8.71	8.96	8.88	9.06	9.33	9.61	9.40	9.59	9.88	10.19	9.86	10.06	10.37	10.69	10.25	10.46	10.78	11.12	10.58	10.80	11.14	11.50
	Amps	40.2	40.7	41.4	42.3	41.9	42.5	43.2	44.1	43.9	44.5	45.3	46.3	45.6	46.2	47.1	48.2	47.3	48.0	49.0	50.1	49.0	49.7	50.7	51.9
	Hi PR	224	241	255	266	252	271	286	298	286	308	325	339	326	351	371	386	367	395	417	435	405	436	461	480
	Lo PR	105	112	122	130	111	118	129	138	116	123	134	143	121	129	141	150	127	135	148	157	132	140	153	163
	MBh	109.6	112.9	122.2	131.1	107.1	110.2	119.3	128.1	104.5	107.6	116.5	125.0	102.0	105.0	113.6	122.0	96.9	99.7	108.0	115.9	89.7	92.4	100.0	107.3
	S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.95	0.85	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	8.36	8.52	8.77	9.03	8.95	9.13	9.40	9.69	9.47	9.67	9.96	10.27	9.93	10.14	10.45	10.78	10.33	10.54	10.87	11.21	10.66	10.89	11.23	11.59
	Amps	40.4	40.9	41.6	42.5	42.1	42.7	43.5	44.4	44.1	44.7	45.6	46.6	45.8	46.5	47.4	48.5	47.6	48.3	49.2	50.4	49.3	50.0	51.0	52.3
	Hi PR	227	244	257	269	254	274	289	301	289	311	329	343	329	354	374	390	371	399	421	439	409	441	465	485
Lo PR	106	113	123	131	112	119	130	139	117	124	136	144	123	130	142	152	128	137	149	159	133	141	154	164	

EXPANDED COOLING DATA — GSZ111203A* / AR1204* (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																											
		65°F				75°F				85°F				95°F				105°F				115°F							
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
80	MBh	100.0	102.2	109.1	116.7	97.7	99.8	106.6	114.0	95.3	97.4	104.1	111.2	93.0	95.0	101.5	108.5	88.4	90.3	96.5	103.1	81.8	83.6	89.3	95.5	81.8	83.6	89.3	95.5
	S/T	0.84	0.78	0.64	0.48	0.87	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.96	0.90	0.73	0.55	0.96	0.90	0.73	0.55
	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	22	21	18	14
	kW	8.18	8.33	8.57	8.83	8.75	8.92	9.19	9.46	9.26	9.44	9.73	10.03	9.70	9.90	10.21	10.52	10.08	10.29	10.61	10.94	10.41	10.63	10.96	11.31	10.41	10.63	10.96	11.31
	Amps	39.8	40.3	41.0	41.8	41.5	42.0	42.8	43.7	43.4	44.0	44.9	45.8	45.1	45.7	46.6	47.7	46.8	47.5	48.4	49.5	48.4	49.1	50.1	51.3	48.4	49.1	50.1	51.3
	HI PR	220	237	250	261	247	265	280	292	281	302	319	332	320	344	363	379	359	387	408	426	397	427	451	471	397	427	451	471
	LO PR	103	110	120	128	109	116	127	135	113	120	131	140	119	127	138	147	125	133	145	154	129	137	150	159	129	137	150	159
	MBh	108.3	110.7	118.3	126.4	105.8	108.1	115.5	123.5	103.3	105.5	112.8	120.5	100.8	103.0	110.0	117.6	95.7	97.8	104.5	111.7	88.7	90.6	96.8	103.5	88.7	90.6	96.8	103.5
S/T	0.87	0.81	0.66	0.49	0.90	0.84	0.69	0.51	0.92	0.86	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	1.00	0.93	0.76	0.57	
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	21	20	18	14	
kW	8.36	8.52	8.77	9.03	8.95	9.13	9.40	9.69	9.47	9.67	9.96	10.27	9.93	10.14	10.45	10.78	10.33	10.54	10.87	11.21	10.66	10.89	11.23	11.59	10.66	10.89	11.23	11.59	
Amps	40.4	40.9	41.6	42.5	42.1	42.7	43.5	44.4	44.1	44.7	45.6	46.6	45.8	46.5	47.4	48.5	47.6	48.3	49.2	50.4	49.3	50.0	51.0	52.3	49.3	50.0	51.0	52.3	
HI PR	227	244	258	269	254	274	289	301	289	311	329	343	329	354	374	390	371	399	421	439	409	441	465	485	409	441	465	485	
LO PR	106	113	123	131	112	119	130	139	117	124	136	144	123	130	142	152	128	137	149	159	133	141	154	164	133	141	154	164	
4275	MBh	111.6	114.0	121.8	130.2	109.0	111.4	119.0	127.2	106.4	108.7	116.1	124.1	103.8	106.0	113.3	121.1	98.6	100.7	107.6	115.1	91.3	93.3	99.7	106.6	91.3	93.3	99.7	106.6
	S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.80	0.60	1.00	1.00	0.80	0.60
	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	20	20	17	14
	kW	8.42	8.59	8.84	9.10	9.02	9.20	9.47	9.76	9.55	9.74	10.04	10.35	10.01	10.22	10.53	10.86	10.41	10.62	10.96	11.30	10.75	10.98	11.32	11.68	10.75	10.98	11.32	11.68
	Amps	40.6	41.1	41.8	42.7	42.3	42.9	43.7	44.6	44.4	45.0	45.8	46.8	46.1	46.7	47.7	48.8	47.8	48.5	49.5	50.7	49.5	50.3	51.3	52.6	49.5	50.3	51.3	52.6
	HI PR	229	246	260	271	257	276	292	304	292	314	332	346	333	358	378	394	374	403	425	444	414	445	470	490	414	445	470	490
	LO PR	107	114	125	133	113	121	132	140	118	125	137	146	124	132	144	153	130	138	151	161	134	143	156	166	134	143	156	166

85	3325	MBh	101.7	103.7	108.6	115.9	99.4	101.3	106.1	113.2	97.0	98.9	103.5	110.5	94.6	96.5	101.0	107.8	89.9	91.6	96.0	102.4	83.3	84.9	88.9	94.8
		S/T	0.88	0.85	0.76	0.62	0.91	0.88	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.97	0.88	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	8.24	8.40	8.64	8.89	8.82	8.99	9.26	9.54	9.33	9.52	9.80	10.10	9.78	9.98	10.28	10.61	10.16	10.37	10.69	11.03	10.49	10.71	11.05	11.40
		Amps	40.0	40.5	41.2	42.0	41.7	42.3	43.0	43.9	43.7	44.3	45.1	46.1	45.3	46.0	46.9	47.9	47.0	47.7	48.7	49.8	48.7	49.4	50.4	51.6
		HI PR	222	239	252	263	249	268	283	295	283	305	322	336	323	347	367	382	363	391	413	430	401	432	456	475
		LO PR	104	111	121	129	110	117	128	136	114	122	133	141	120	128	140	149	126	134	146	156	130	139	151	161
	3797	MBh	110.2	112.3	117.7	125.5	107.6	109.7	114.9	122.6	105.1	107.1	112.2	119.7	102.5	104.5	109.5	116.8	97.4	99.3	104.0	110.9	90.2	92.0	96.3	102.8
		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	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74
		ΔT	24	24	23	20	25	24	23	20	25	24	23	20	25	24	23	20	24	24	23	20	22	22	21	18
		kW	8.42	8.59	8.84	9.10	9.02	9.20	9.47	9.76	9.55	9.74	10.04	10.35	10.01	10.22	10.53	10.86	10.41	10.62	10.96	11.30	10.75	10.98	11.32	11.68
		Amps	40.6	41.1	41.8	42.7	42.3	42.9	43.7	44.6	44.4	45.0	45.8	46.8	46.1	46.7	47.7	48.8	47.8	48.5	49.5	50.7	49.5	50.3	51.3	52.6
		HI PR	229	246	260	271	257	276	292	304	292	314	332	346	333	358	378	394	374	403	425	444	414	445	470	490
LO PR		107	114	125	133	113	121	132	140	118	125	137	146	124	132	144	153	130	138	151	161	134	143	156	166	
4275	MBh	113.5	115.7	121.2	129.3	110.9	113.0	118.4	126.3	108.2	110.3	115.6	123.3	105.6	107.6	112.7	120.3	100.3	102.3	107.1	114.3	92.9	94.7	99.2	105.8	
	S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	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	20	20	18	
	kW	8.48	8.65	8.90	9.17	9.09	9.27	9.55	9.84	9.62	9.82	10.11	10.43	10.09	10.30	10.62	10.95	10.49	10.71	11.04	11.39	10.83	11.06	11.41	11.78	
	Amps	40.8	41.3	42.0	42.9	42.6	43.1	43.9	44.8	44.6	45.2	46.1	47.1	46.3	47.0	47.9	49.0	48.1	48.8	49.8	51.0	49.8	50.6	51.6	52.9	
	HI PR	231	249	263	274	259	279	295	307	295	317	335	350	336	362	382	398	378	407	430	448	418	449	475	495	
	LO PR	108	115	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	139	152	162	136	144	157	168	

EXPANDED COOLING DATA — GSZ111204A* / AR1204*

		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	96.6	100.1	109.7	-	94.3	97.8	107.1	-	92.1	95.5	104.6	-	89.9	93.1	102.0	-	85.4	88.5	96.9	-	79.1	82.0	89.8	-
	S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.71	0.60	0.41	-	0.74	0.61	0.43	-	0.76	0.64	0.44	-	0.77	0.64	0.45	-
	ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
	3325 kW	8.06	8.21	8.45	-	8.62	8.79	9.05	-	9.12	9.30	9.58	-	9.56	9.75	10.05	-	9.93	10.13	10.44	-	10.25	10.46	10.79	-
	Amps	60.8	61.2	61.9	-	62.4	62.9	63.7	-	64.3	64.9	65.7	-	65.9	66.5	67.4	-	67.6	68.2	69.1	-	69.2	69.9	70.9	-
	HI PR	215	232	245	-	242	260	275	-	275	296	312	-	313	337	356	-	352	379	400	-	389	419	442	-
	LO PR	101	108	117	-	107	114	124	-	111	118	129	-	117	124	135	-	122	130	142	-	126	134	147	-
	MBh	104.7	108.5	118.8	-	102.2	105.9	116.1	-	99.8	103.4	113.3	-	97.4	100.9	110.6	-	92.5	95.9	105.0	-	85.7	88.8	97.3	-
	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	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-
4275	3797 kW	8.24	8.40	8.64	-	8.82	8.99	9.26	-	9.33	9.52	9.80	-	9.78	9.98	10.29	-	10.16	10.38	10.70	-	10.50	10.72	11.05	-
	Amps	61.3	61.8	62.5	-	63.0	63.6	64.3	-	65.0	65.6	66.4	-	66.6	67.3	68.2	-	68.3	69.0	70.0	-	70.0	70.7	71.7	-
	HI PR	222	239	252	-	249	268	283	-	283	305	322	-	323	347	367	-	363	391	413	-	401	432	456	-
	LO PR	104	111	121	-	110	117	128	-	114	122	133	-	120	128	140	-	126	134	146	-	130	139	151	-
	MBh	107.8	111.7	122.4	-	105.3	109.1	119.6	-	102.8	106.5	116.7	-	100.3	103.9	113.9	-	95.3	98.7	108.2	-	88.2	91.5	100.2	-
	S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.48	-
	ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
	4275 kW	8.30	8.46	8.70	-	8.88	9.06	9.33	-	9.40	9.59	9.88	-	9.86	10.06	10.37	-	10.24	10.46	10.78	-	10.58	10.80	11.14	-
	Amps	61.5	62.0	62.7	-	63.2	63.8	64.5	-	65.2	65.8	66.6	-	66.9	67.5	68.4	-	68.6	69.3	70.2	-	70.3	71.0	72.0	-
	HI PR	224	241	255	-	252	271	286	-	286	308	325	-	326	351	370	-	367	395	417	-	405	436	461	-
	LO PR	105	112	122	-	111	118	129	-	116	123	134	-	121	129	141	-	127	135	148	-	132	140	153	-

75	3325 MBh	98.2	101.1	109.5	117.5	95.9	98.8	106.9	114.8	93.7	96.4	104.4	112.0	91.4	94.1	101.8	109.3	86.8	89.4	96.7	103.8	80.4	82.8	89.6	96.2
	S/T	0.76	0.68	0.52	0.33	0.79	0.71	0.53	0.34	0.81	0.72	0.55	0.35	0.84	0.75	0.57	0.36	0.87	0.78	0.59	0.38	0.88	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
	3325 kW	8.12	8.27	8.51	8.76	8.69	8.86	9.12	9.39	9.19	9.37	9.65	9.95	9.63	9.83	10.13	10.44	10.01	10.21	10.53	10.86	10.33	10.55	10.87	11.22
	Amps	61.0	61.4	62.1	62.9	62.6	63.1	63.9	64.8	64.5	65.1	65.9	66.9	66.2	66.8	67.7	68.7	67.8	68.5	69.4	70.5	69.4	70.1	71.1	72.3
	HI PR	218	234	247	258	244	263	277	289	278	299	316	329	316	340	359	375	356	383	404	422	393	423	447	466
	LO PR	102	109	119	126	108	115	125	133	112	119	130	139	118	125	137	146	123	131	143	153	128	136	148	158
	MBh	106.4	109.6	118.6	127.3	104.0	107.0	115.8	124.3	101.5	104.5	113.1	121.4	99.0	101.9	110.3	118.4	94.1	96.8	104.8	112.5	87.1	89.7	97.1	104.2
	S/T	0.79	0.71	0.54	0.34	0.82	0.73	0.55	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	0.61	0.40
	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
4275	3797 kW	8.30	8.46	8.71	8.96	8.88	9.06	9.33	9.61	9.40	9.59	9.88	10.19	9.86	10.06	10.37	10.69	10.25	10.46	10.78	11.12	10.58	10.80	11.14	11.50
	Amps	61.5	62.0	62.7	63.6	63.2	63.8	64.5	65.4	65.2	65.8	66.6	67.6	66.9	67.5	68.4	69.5	68.6	69.3	70.2	71.4	70.3	71.0	72.0	73.2
	HI PR	224	241	255	266	252	271	286	298	286	308	325	339	326	351	371	386	367	395	417	435	405	436	461	480
	LO PR	105	112	122	130	111	118	129	138	116	123	134	143	121	129	141	150	127	135	148	157	132	140	153	163
	MBh	109.6	112.9	122.2	131.1	107.1	110.2	119.3	128.1	104.5	107.6	116.5	125.0	102.0	105.0	113.6	122.0	96.9	99.7	108.0	115.9	89.7	92.4	100.0	107.3
	S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.62	0.40	0.94	0.84	0.64	0.41	0.95	0.85	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
	4275 kW	8.36	8.52	8.77	9.03	8.95	9.13	9.40	9.69	9.47	9.67	9.96	10.27	9.93	10.14	10.45	10.78	10.33	10.54	10.87	11.21	10.66	10.89	11.23	11.59
	Amps	61.7	62.2	62.9	63.8	63.4	64.0	64.8	65.7	65.4	66.0	66.9	67.9	67.1	67.8	68.7	69.8	68.8	69.5	70.5	71.7	70.5	71.3	72.3	73.5
	HI PR	227	244	257	269	254	274	289	301	289	311	329	343	329	354	374	390	371	399	421	439	409	441	465	485
	LO PR	106	113	123	131	112	119	130	139	117	124	136	144	123	130	142	152	128	137	149	159	133	141	154	164

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

EXPANDED COOLING DATA — GSZ111204A* / AR1204* (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	100.0	102.2	109.1	116.7	97.7	99.8	106.6	114.0	95.3	97.4	104.1	111.2	93.0	95.0	101.5	108.5	88.4	90.3	96.5	103.1	81.8	83.6	89.3	95.5
	S/T	0.84	0.78	0.64	0.48	0.87	0.81	0.66	0.49	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.73	0.54	0.96	0.90	0.73	0.55
	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	8.18	8.33	8.57	8.83	8.75	8.92	9.19	9.46	9.26	9.44	9.73	10.03	9.70	9.90	10.21	10.52	10.08	10.29	10.61	10.94	10.41	10.63	10.96	11.31
	Amps	61.1	61.6	62.3	63.1	62.8	63.3	64.1	65.0	64.7	65.3	66.1	67.1	66.4	67.0	67.9	69.0	68.1	68.7	69.7	70.8	69.7	70.4	71.4	72.6
	HI PR	220	237	250	261	247	265	280	292	281	302	319	332	320	344	363	379	359	387	408	426	397	427	451	471
	LO PR	103	110	120	128	109	116	127	135	113	120	131	140	119	127	138	147	125	133	145	154	129	137	150	159
	MBh	108.3	110.7	118.3	126.4	105.8	108.1	115.5	123.5	103.3	105.5	112.8	120.5	100.8	103.0	110.0	117.6	95.7	97.8	104.5	111.7	88.7	90.6	96.8	103.5
	S/T	0.87	0.81	0.66	0.49	0.90	0.84	0.69	0.51	0.92	0.86	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	19	15	23	22	20	15	23	22	19	15	23	22	19	15	21	20	18	14
4275	kW	8.36	8.52	8.77	9.03	8.95	9.13	9.40	9.69	9.47	9.67	9.96	10.27	9.93	10.14	10.45	10.78	10.33	10.54	10.87	11.21	10.66	10.89	11.23	11.59
	Amps	61.7	62.2	62.9	63.8	63.4	64.0	64.8	65.7	65.4	66.0	66.9	67.9	67.1	67.8	68.7	69.8	68.9	69.5	70.5	71.7	70.5	71.3	72.3	73.5
	HI PR	227	244	258	269	254	274	289	301	289	311	329	343	329	354	374	390	371	399	421	439	409	441	465	485
	LO PR	106	113	123	131	112	119	130	139	117	124	136	144	123	130	142	152	128	137	149	159	133	141	154	164
	MBh	111.6	114.0	121.8	130.2	109.0	111.4	119.0	127.2	106.4	108.7	116.1	124.1	103.8	106.0	113.3	121.1	98.6	100.7	107.6	115.1	91.3	93.3	99.7	106.6
	S/T	0.91	0.85	0.69	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.80	0.60
	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	8.42	8.59	8.84	9.10	9.02	9.20	9.47	9.76	9.55	9.74	10.04	10.35	10.01	10.22	10.53	10.86	10.41	10.62	10.96	11.30	10.75	10.98	11.32	11.68
	Amps	61.9	62.4	63.1	64.0	63.6	64.2	65.0	65.9	65.6	66.3	67.1	68.1	67.4	68.0	69.0	70.0	69.1	69.8	70.8	72.0	70.8	71.6	72.6	73.9
	HI PR	229	246	260	271	257	276	292	304	292	314	332	346	333	358	378	394	374	403	425	444	414	445	470	490
	LO PR	107	114	125	133	113	121	132	140	118	125	137	146	124	132	144	153	130	138	151	161	134	143	156	166

85	MBh	101.7	103.7	108.6	115.9	99.4	101.3	106.1	113.2	97.0	98.9	103.5	110.5	94.6	96.5	101.0	107.8	89.9	91.6	96.0	102.4	83.3	84.9	88.9	94.8
	S/T	0.88	0.85	0.76	0.62	0.91	0.88	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	0.97	0.88	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	8.24	8.40	8.64	8.89	8.82	8.99	9.26	9.54	9.33	9.52	9.80	10.10	9.78	9.98	10.28	10.61	10.16	10.37	10.69	11.03	10.49	10.71	11.05	11.40
	Amps	61.3	61.8	62.5	63.3	63.0	63.5	64.3	65.2	65.0	65.5	66.4	67.4	66.6	67.3	68.2	69.2	68.3	69.0	70.0	71.1	70.0	70.7	71.7	72.9
	HI PR	222	239	252	263	249	268	283	295	283	305	322	336	323	347	367	382	363	391	413	430	401	432	456	475
	LO PR	104	111	121	129	110	117	128	136	114	122	133	141	120	128	140	149	126	134	146	156	130	139	151	161
	MBh	110.2	112.3	117.7	125.5	107.6	109.7	114.9	122.6	105.1	107.1	112.2	119.7	102.5	104.5	109.5	116.8	97.4	99.3	104.0	110.9	90.2	92.0	96.3	102.8
	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	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74
	ΔT	24	24	23	20	25	24	23	20	25	24	23	20	25	24	23	20	24	24	23	20	22	22	21	18
4275	kW	8.42	8.59	8.84	9.10	9.02	9.20	9.47	9.76	9.55	9.74	10.04	10.35	10.01	10.22	10.53	10.86	10.41	10.62	10.96	11.30	10.75	10.98	11.32	11.68
	Amps	61.9	62.4	63.1	64.0	63.6	64.2	65.0	65.9	65.6	66.3	67.1	68.1	67.4	68.0	69.0	70.0	69.1	69.8	70.8	72.0	70.8	71.6	72.6	73.9
	HI PR	229	246	260	271	257	276	292	304	292	314	332	346	333	358	378	394	374	403	425	444	414	445	470	490
	LO PR	107	114	125	133	113	121	132	140	118	125	137	146	124	132	144	153	130	138	151	161	134	143	156	166
	MBh	113.5	115.7	121.2	129.3	110.9	113.0	118.4	126.3	108.2	110.3	115.6	123.3	105.6	107.6	112.7	120.3	100.3	102.3	107.1	114.3	92.9	94.7	99.2	105.8
	S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.77	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	20	20	18
	kW	8.48	8.65	8.90	9.17	9.09	9.27	9.55	9.84	9.62	9.82	10.11	10.43	10.09	10.30	10.62	10.95	10.49	10.71	11.04	11.39	10.83	11.06	11.41	11.78
	Amps	62.1	62.6	63.3	64.2	63.8	64.4	65.2	66.1	65.9	66.5	67.4	68.4	67.6	68.3	69.2	70.3	69.4	70.1	71.1	72.3	71.1	71.9	72.9	74.2
	HI PR	231	249	263	274	259	279	295	307	295	317	335	350	336	362	382	398	378	407	430	448	418	449	475	495
	LO PR	108	115	126	134	115	122	133	142	119	127	138	147	125	133	145	155	131	139	152	162	136	144	157	168

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

EXPANDED HEATING DATA

GSZ110903* / AR0904*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	103.1	97.6	91.8	85.9	82.0	79.5	73.8	68.1	74.8	69.0	63.5	60.0	57.8	51.8	46.0	40.1	34.2	28.0
T/R	29.9	28.3	26.6	24.9	23.8	23.0	21.4	19.7	21.7	20.0	18.4	17.4	16.8	15.0	13.3	11.6	9.9	8.1
kW	7.91	7.76	7.61	7.46	7.38	7.31	7.17	7.02	7.83	7.65	7.48	7.38	7.31	7.13	6.96	6.79	6.61	6.44
Amps	19.1	18.7	18.4	18.1	17.9	17.8	17.6	17.4	17.2	17.1	16.9	16.8	16.8	16.6	16.4	16.2	16.0	15.8
COP	3.82	3.68	3.53	3.37	3.25	3.18	3.01	2.84	2.80	2.64	2.49	2.38	2.31	2.13	1.93	1.73	1.51	1.27
EER	13.0	12.6	12.1	11.5	11.1	10.9	10.3	9.7	9.6	9.0	8.5	8.1	7.9	7.3	6.6	5.9	5.2	4.3
HI PR	383	368	353	338	330	324	311	299	286	273	262	256	251	242	233	223	215	208
LO PR	132	123	115	105	100	96	88	79	71	63	56	52	50	42	36	31	27	21

GSZ110904* / AR0904*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	103.1	97.6	91.8	85.9	82.0	79.5	73.8	68.1	74.8	69.0	63.5	60.0	57.8	51.8	46.0	40.1	34.2	28.0
T/R	29.9	28.3	26.6	24.9	23.8	23.0	21.4	19.7	21.7	20.0	18.4	17.4	16.8	15.0	13.3	11.6	9.9	8.1
kW	7.91	7.76	7.61	7.46	7.38	7.31	7.17	7.02	7.83	7.65	7.48	7.38	7.31	7.13	6.96	6.79	6.61	6.44
Amps	34.0	34.6	35.1	35.6	35.8	35.9	36.3	36.6	36.8	37.1	37.3	37.5	37.5	37.8	38.1	38.3	38.6	39.0
COP	3.82	3.68	3.53	3.37	3.25	3.18	3.01	2.84	2.80	2.64	2.49	2.38	2.31	2.13	1.93	1.73	1.51	1.27
EER	13.0	12.6	12.1	11.5	11.1	10.9	10.3	9.7	9.6	9.0	8.5	8.1	7.9	7.3	6.6	5.9	5.2	4.3
HI PR	383	368	353	338	330	324	311	299	286	273	262	256	251	242	233	223	215	208
LO PR	132	123	115	105	100	96	88	79	71	63	56	52	50	42	36	31	27	21

GSZ111203* / AR1204*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	125.7	119.0	112.0	104.7	100.0	96.9	90.0	83.0	74.8	69.0	63.5	60.0	57.8	51.8	46.0	40.1	34.2	28.0
T/R	30.7	29.0	27.3	25.5	24.4	23.6	21.9	20.2	18.2	16.8	15.5	14.6	14.1	12.6	11.2	9.8	8.3	6.8
kW	9.57	9.39	9.22	9.04	8.94	8.87	8.70	8.53	9.47	9.26	9.06	8.94	8.86	8.66	8.45	8.25	8.05	7.85
Amps	46.0	44.1	42.5	41.1	40.3	39.9	38.8	37.8	37.0	36.2	35.4	35.0	34.8	34.1	33.1	32.3	31.3	30.1
COP	3.85	3.71	3.56	3.39	3.27	3.20	3.03	2.85	2.31	2.18	2.05	1.96	1.91	1.75	1.59	1.42	1.24	1.05
EER	13.1	12.7	12.2	11.6	11.2	10.9	10.3	9.7	7.9	7.4	7.0	6.7	6.5	6.0	5.4	4.9	4.3	3.6
HI PR	374	358	344	329	322	315	303	291	279	266	256	249	245	236	227	217	210	202
LO PR	125	116	108	99	94	90	83	74	67	60	52	49	47	40	34	29	25	20

GSZ111204* / AR1204*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	125.7	119.0	112.0	104.7	100.0	96.9	90.0	83.0	74.8	69.0	63.5	60.0	57.8	51.8	46.0	40.1	34.2	28.0
T/R	30.7	29.0	27.3	25.5	24.4	23.6	21.9	20.2	18.2	16.8	15.5	14.6	14.1	12.6	11.2	9.8	8.3	6.8
kW	9.57	9.39	9.22	9.04	8.94	8.87	8.70	8.53	9.47	9.26	9.06	8.94	8.86	8.66	8.45	8.25	8.05	7.85
Amps	91.2	87.3	84.2	81.5	80.0	79.2	76.9	75.0	73.5	71.9	70.3	69.6	69.2	67.7	65.7	64.2	62.3	59.9
COP	3.85	3.71	3.56	3.39	3.27	3.20	3.03	2.85	2.31	2.18	2.05	1.96	1.91	1.75	1.59	1.42	1.24	1.05
EER	13.1	12.7	12.2	11.6	11.2	10.9	10.3	9.7	7.9	7.4	7.0	6.7	6.5	6.0	5.4	4.9	4.3	3.6
HI PR	374	358	344	329	322	315	303	291	279	266	256	249	245	236	227	217	210	202
LO PR	125	116	108	99	94	90	83	74	67	60	52	49	47	40	34	29	25	20

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

Low pressure is measured at the gauge port connection.

Calculations are based on nominal CFM and 70 °F indoor dry bulb.

Amps = Outdoor unit amps (comp.+fan)

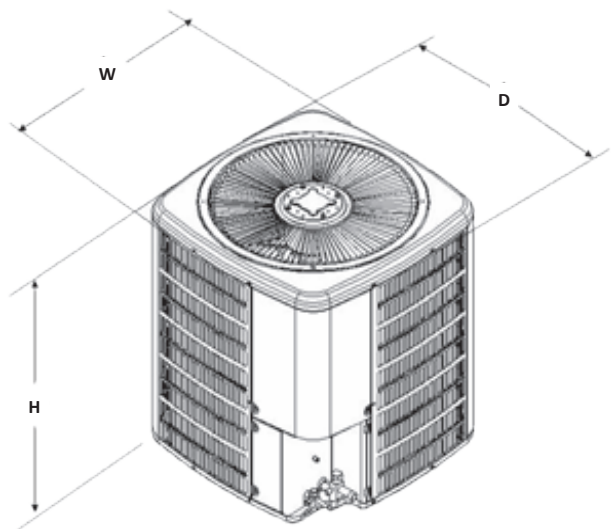
kW = Total system power

AHRI PERFORMANCE RATINGS

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (BTU/H)		EER ¹	AHRI #
		TOTAL	SENSIBLE		
GSZ110903A*	AR0904A*	82,000 / 87,000	60,800 / 64,500	11.0	4238291
GSZ110904A*	AR0904A*	87,000	64,500	11.0	4238292
GSZ111203A*	AR1204A*	10,000 / 11,000	72,600 / 79,860	11.0	4245605
GSZ111204A*	AR1204A*	100,000	72,600	11.0	4245606

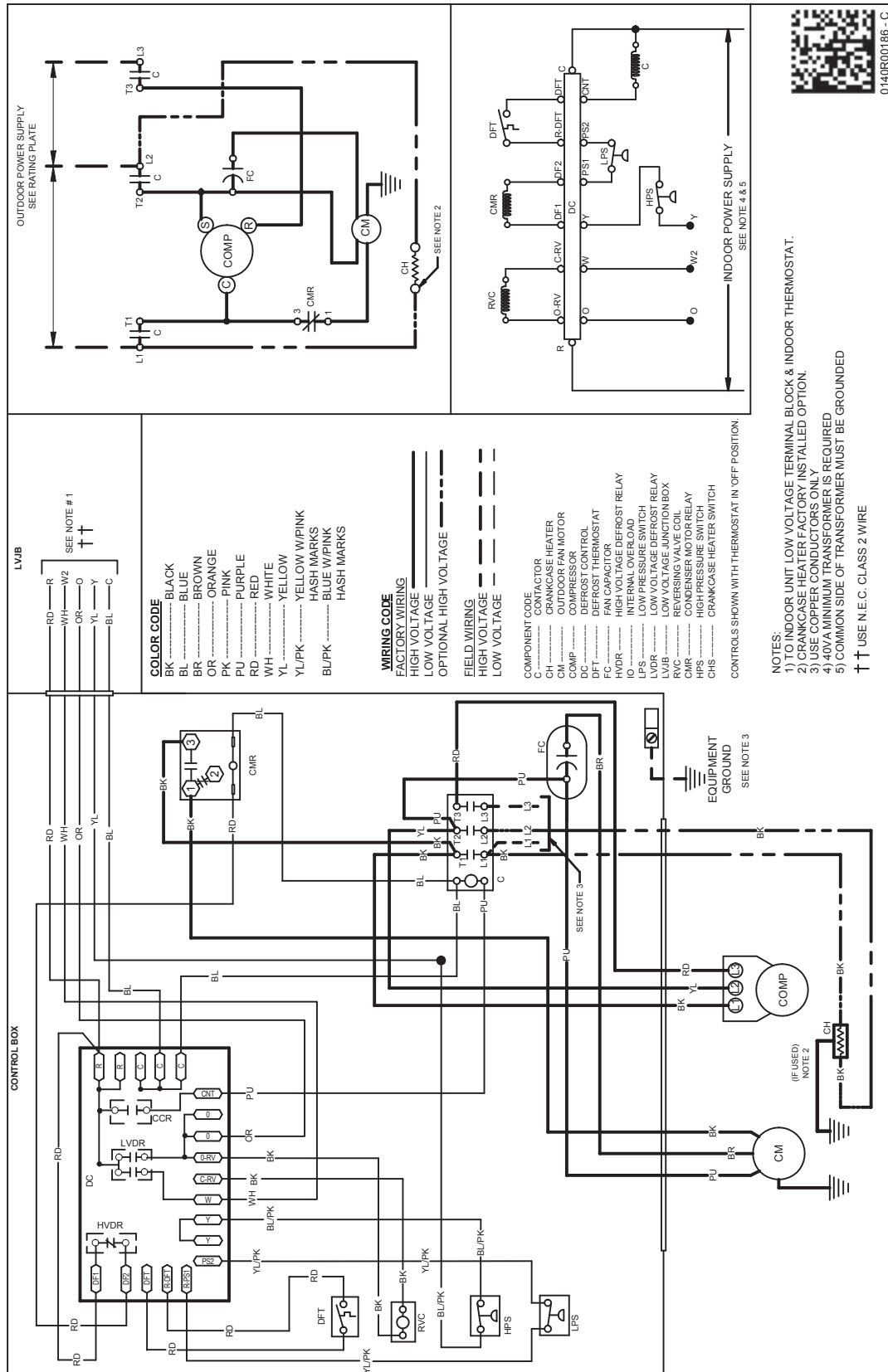
¹ Energy Efficiency Ratio @ 80 °F/67 °F Inside - 95 °F

DIMENSIONS



MODEL	DIMENSIONS		
	W"	D"	H"
GSZ110903AA	35½	35½	37½
GSZ110904AA	35½	35½	37½
GSZ111203AA	35½	35½	41½
GSZ111204AA	35½	35½	41½

WIRING DIAGRAM



0140R00186 - C

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	GSZ11 0903/4*	GSZ11 1203/4*
ABK-20	Anchor Bracket Kit [◊]	X	X
AFE18-60A	All-fuel Kit	X	X
FSK01A ¹	Freeze Protection Kit	X	X
LAKT01	Low-Ambient Kit	X	X
OT18-60A ²	Outdoor Thermostat with Lockout Stat	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.