



Air Conditioning & Heating

## PRODUCT SPECIFICATIONS



**10 EER**

**7½ TO 10 Ton**



# GSC COMMERCIAL

## SPLIT SYSTEM AIR CONDITIONER

The GSC Commercial split system air conditioner features the unique Goodman® sound control top design for quiet operation and is designed for ground-level or rooftop mount application.

### Standard Features

- Single-scroll compressor with crankcase heater
- Quiet operating top discharge
- Permanently lubricated condenser motor
- High-efficiency copper tube/aluminum fin coil
- Brass suction ball valve and liquid front-seating shut-off valve with sweat connections and service ports
- High-capacity, steel-cased filter dryer
- High- and low-pressure switches
- Contactor with lug connections
- Ground lug connection
- Complies with ASHRAE Standard 90.1
- ARI Certified; ETL Listed

### Air Handler and Coil Compatibilities

- AR Commercial versatile up or horizontal (left only) air handler

### Cabinet Features

- Unique Goodman® sound control top design
- Steel louver coil guard protects the coil from damage and adds strength to unit
- Bottom pan rails elevate unit above slab
- 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

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# PRODUCT SPECIFICATIONS

## NOMENCLATURE

	G	S	C	10	090	3	A	A	
	1	2	3	4,5	6,7,8	9	10	11	
<b>Brand</b>	G Goodman®								<b>Engineering *</b> Minor Revision
<b>Product Category</b>	S Split System								<b>Engineering *</b> Major Revision
<b>Unit Type</b>	C Condenser R-22 H Heat Pump R-22						3 208/230 V, 3 Phase, 60 Hz 4 460 V, 3 Phase, 60 Hz		<b>Electrical</b>
<b>Efficiency</b>	10 10 SEER 13 13 SEER								<b>Nominal Capacity</b> 090 7½ tons 120 10 Tons

\* Neither used for order entry or inventory management.

## SPECIFICATIONS

	GSC10 0903AA	GSC10 0904AA	GSC10 1203AA	GSC10 1204AA
<b>Cooling Capacities</b>				
Nominal Cooling (BTU/h)	87,000	87,000	109,000	109,000
<b>Compressor</b>				
RLA	25.6	12.8	30.1	15.5
LRA	196	100	225	114
<b>Condenser Fan Motor</b>				
Horsepower	1	1	1	1
FLA	5.6	2.7	5.6	2.7
<b>Refrigeration System</b>				
Liquid Valve Size ("O.D.) <sup>1</sup>	5/8"	5/8"	5/8"	5/8"
Suction Valve Size ("O.D.) <sup>1</sup>	1 1/8"	1 1/8"	1 1/8"	1 1/8"
Valve Type	Sweat	Sweat	Sweat	Sweat
Refrigerant Charge	R-22	R-22	R-22	R-22
<b>Electrical Data</b>				
AC Volts	208/ 230	460	208/ 230	460
Hz / Phase	60 Hz/ 3	60 Hz/ 3	60 Hz/ 3	60 Hz/ 3
Min. Circuit Ampacity <sup>2</sup>	37.6	18.7	43.2	22.1
Max. Overcurrent Protection <sup>3</sup>	60	30	70	30
Min / Max Volts	197/ 253	414/ 506	197/ 253	414/ 506
Electrical Conduit Size	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"	1/2" or 3/4"
<b>Ship Weight (lbs)</b>	315	315	334	334

<sup>1</sup> Up to 35' in equivalent line length

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

<sup>3</sup> Must use time-delay fuses or HACR-type circuit breakers of the same size as noted

## PERFORMANCE RATINGS

Condenser	Indoor Model	Cooling Capacity (BTU/h)			dBs
		Total	Sensible	EER <sup>2</sup>	
GSC10090*	AR090	88,000	63,400	10.3	84
GSC10090*	(2) CA*F3642*	90,000	64,800	10.3	84
GSC10120*	AR120	114,000	82,200	10.3	84
GSC10120*	(2) CA*F4860*	112,000	80,800	10.3	84

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

# PRODUCT SPECIFICATIONS

## EXPANDED PERFORMANCE RATINGS

### OUTDOOR UNIT GSC090-3/-4AA

### INDOOR UNIT AR090

Indoor Air		Condenser Air Temperature														
		75 °F			85 °F			95 °F			105 °F			115 °F		
SCFM	WB	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts
2493	72	102.1	47.6	8.03	97.7	45.6	8.46	92.4	43.7	8.8	87.1	41.8	9.23	81.8	39.9	9.65
	67	93.3	59	7.52	88.9	57.1	7.86	84.5	55.2	8.29	79.2	53.3	8.71	73.9	53.3	9.14
	62	86.2	69.7	7.01	81.8	67.8	7.43	79.6	65.9	7.86	77.4	64	8.29	73	61.5	8.63
	57	82.7	75.4	6.83	79.2	72.3	7.26	75.7	69.1	7.69	71.3	65.3	8.2	67.8	61.5	8.54
2933	72	106.5	52.6	8.29	101.2	50.7	8.63	95.9	48.8	9.06	90.6	47.6	9.48	84.5	45	9.91
	67	97.7	67.2	7.77	93.3	65.3	8.12	88	63.4	8.54	82.7	61.5	8.97	77.4	59.6	9.4
	62	90.6	80.5	7.35	86.2	78	7.69	81.8	74.8	8.12	78.3	71	8.54	73.9	67.2	9.06
	57	89.8	81.8	7.26	85.4	78.6	7.69	81.8	74.8	8.12	78.3	71	8.54	73.9	67.2	9.06
3373	72	109.1	57.1	8.46	103.8	55.2	8.8	98.6	53.3	9.23	92.4	51.4	9.65	87.1	50.1	10.08
	67	101.2	74.2	7.95	95.9	72.9	8.29	90.6	71	8.71	85.4	68.5	9.14	80.1	66.6	9.57
	62	95	86.9	7.6	91.5	83.1	8.03	86.2	79.3	8.46	82.7	75.4	8.89	77.4	71	9.4
	57	95	86.9	7.6	91.5	83.1	8.03	86.2	79.3	8.46	82.7	75.4	8.89	77.4	71	9.4

**Notes:**

- Total & Sensible ratings are MBTU/h; Watts ratings are in kW/h
- Sensible heat capacities shown are based on 80°F DB entering air at the evaporator coil. For sensible heat capacities at other than 80°F DB, deduct 84
- BTU/h per 100 CFM of evaporator coil air for each degree below 80°F, or add 84 BTU/h per 100 CFM of evaporator coil air per degree above 80°F.
- CAPACITIES AT 95°F OUTDOOR, 75°F DB and 63°F WB INDOOR

TOTAL MBTU/h 83.1 SENSIBLE MBTU/h 60.2 LATENT MBTU/h 22.9

### OUTDOOR UNIT GSC090-3/-4AA

### INDOOR UNITS (2) CA\*F3642

Indoor Air		Condenser Air Temperature														
		75 °F			85 °F			95 °F			105 °F			115 °F		
SCFM	WB	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts
2550	72	104.4	48.6	8.21	99.9	46.7	8.65	94.5	44.7	9	89.1	42.8	9.44	83.7	40.8	9.87
	67	95.4	60.3	7.69	90.9	58.3	8.04	86.4	56.4	8.48	81	54.4	8.91	75.6	54.4	9.35
	62	88.2	71.3	7.17	83.7	69.3	7.6	81.5	67.4	8.04	79.2	65.4	8.48	74.7	62.9	8.83
	57	84.6	77.1	6.99	81	73.9	7.43	77.4	70.6	7.86	72.9	66.7	8.39	69.3	62.9	8.74
3000	72	108.9	53.8	8.48	103.5	51.8	8.83	98.1	49.9	9.26	92.7	48.6	9.7	86.4	46	10.14
	67	99.9	68.7	7.95	95.4	66.7	8.3	90	64.8	8.74	84.6	62.9	9.17	79.2	60.9	9.61
	62	92.7	82.3	7.51	88.2	79.7	7.86	83.7	76.5	8.3	80.1	72.6	8.74	75.6	68.7	9.26
	57	91.8	83.6	7.43	87.3	80.4	7.86	83.7	76.5	8.3	80.1	72.6	8.74	75.6	68.7	9.26
3450	72	111.6	58.3	8.65	106.2	56.4	9	100.8	54.4	9.44	94.5	52.5	9.87	89.1	51.2	10.31
	67	103.5	75.8	8.13	98.1	74.5	8.48	92.7	72.6	8.91	87.3	70	9.35	81.9	68	9.79
	62	97.2	88.8	7.78	93.6	84.9	8.21	88.2	81	8.65	84.6	77.1	9.09	79.2	72.6	9.61
	57	97.2	88.8	7.78	93.6	84.9	8.21	88.2	81	8.65	84.6	77.1	9.09	79.2	72.6	9.61

**Notes:**

- Total & Sensible ratings are MBTU/h; Watts ratings are in kW/h
- Sensible heat capacities shown are based on 80°F DB entering air at the evaporator coil. For sensible heat capacities at other than 80°F DB, deduct 84
- BTU/h per 100 CFM of evaporator coil air for each degree below 80°F, or add 84 BTU/h per 100 CFM of evaporator coil air per degree above 80°F.
- CAPACITIES AT 95°F OUTDOOR, 75°F DB and 63°F WB INDOOR

TOTAL MBTU/h 85.0 SENSIBLE MBTU/h 61.5 LATENT MBTU/h 23.4

## EXPANDED PERFORMANCE RATINGS (CONT.)

### OUTDOOR UNIT GSC120-3/-4AA

### INDOOR UNIT AR120

Indoor Air		Condenser Air Temperature														
		75 °F			85 °F			95 °F			105 °F			115 °F		
SCFM	WB	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts
3230	72	132.2	61.7	10.4	126.5	59.2	10.96	119.7	56.7	11.4	112.9	54.3	11.95	106	51.8	12.51
	67	120.8	76.4	9.74	115.1	74	10.18	109.4	71.5	10.74	102.6	69	11.29	95.8	69	11.84
	62	111.7	90.4	9.08	106	88	9.63	103.2	85.5	10.18	100.3	83	10.74	94.6	79.7	11.18
	57	107.2	97.8	8.85	102.6	93.7	9.41	98	89.6	9.96	92.3	84.7	10.63	87.8	79.7	11.07
3800	72	137.9	68.2	10.74	131.1	65.8	11.18	124.3	63.3	11.73	117.4	61.7	12.29	109.4	58.4	12.84
	67	126.5	87.1	10.07	120.8	84.7	10.51	114	82.2	11.07	107.2	79.7	11.62	100.3	77.3	12.17
	62	117.4	104.4	9.52	111.7	101.1	9.96	106	97	10.51	101.5	92.1	11.07	95.8	87.1	11.73
	57	116.3	106	9.41	110.6	101.9	9.96	106	97	10.51	101.5	92.1	11.07	95.8	87.1	11.73
4370	72	141.4	74	10.96	134.5	71.5	11.4	127.7	69	11.95	119.7	66.6	12.51	112.9	64.9	13.06
	67	131.1	96.2	10.29	124.3	94.5	10.74	117.4	92.1	11.29	110.6	88.8	11.84	103.7	86.3	12.4
	62	123.1	112.6	9.85	118.6	107.7	10.4	111.7	102.8	10.96	107.2	97.8	11.51	100.3	92.1	12.17
	57	123.1	112.6	9.85	118.6	107.7	10.4	111.7	102.8	10.96	107.2	97.8	11.51	100.3	92.1	12.17

**Notes:**

- Total & Sensible ratings are MBTU/h; Watts ratings are in kW/h
- Sensible heat capacities shown are based on 80°F DB entering air at the evaporator coil. For sensible heat capacities at other than 80°F DB, deduct 84
- BTU/h per 100 CFM of evaporator coil air for each degree below 80°F, or add 84 BTU/h per 100 CFM of evaporator coil air per degree above 80°F.
- CAPACITIES AT 95°F OUTDOOR, 75°F DB and 63°F WB INDOOR  
TOTAL MBTU/h 107.6 SENSIBLE MBTU/h 78.1 LATENT MBTU/h 29.5

### OUTDOOR UNIT GSC120-3/-4AA

### INDOOR UNITS (2) CA\*F4860

Indoor Air		Condenser Air Temperature														
		75 °F			85 °F			95 °F			105 °F			115 °F		
SCFM	WB	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts	Total	Sens	Watts
3173	72	129.9	60.6	10.22	124.3	58.2	10.77	117.6	55.8	11.2	110.9	53.3	11.74	104.2	50.9	12.29
	67	118.7	75.1	9.57	113.1	72.7	10	107.5	70.3	10.55	100.8	67.9	11.09	94.1	67.9	11.63
	62	109.8	88.9	8.92	104.2	86.5	9.46	101.4	84	10	98.6	81.6	10.55	93	78.4	10.98
	57	105.3	96.2	8.7	100.8	92.1	9.24	96.3	88.1	9.79	90.7	83.2	10.44	86.2	78.4	10.87
3733	72	135.5	67.1	10.55	128.8	64.6	10.98	122.1	62.2	11.53	115.4	60.6	12.07	107.5	57.4	12.61
	67	124.3	85.6	9.9	118.7	83.2	10.33	112	80.8	10.87	105.3	78.4	11.42	98.6	76	11.96
	62	115.4	102.6	9.35	109.8	99.4	9.79	104.2	95.3	10.33	99.7	90.5	10.87	94.1	85.6	11.53
	57	114.2	104.2	9.24	108.6	100.2	9.79	104.2	95.3	10.33	99.7	90.5	10.87	94.1	85.6	11.53
4293	72	138.9	72.7	10.77	132.2	70.3	11.2	125.4	67.9	11.74	117.6	65.4	12.29	110.9	63.8	12.83
	67	128.8	94.5	10.11	122.1	92.9	10.55	115.4	90.5	11.09	108.6	87.3	11.63	101.9	84.8	12.18
	62	121	110.7	9.68	116.5	105.8	10.22	109.8	101	10.77	105.3	96.2	11.31	98.6	90.5	11.96
	57	121	110.7	9.68	116.5	105.8	10.22	109.8	101	10.77	105.3	96.2	11.31	98.6	90.5	11.96

**Notes:**

- Total & Sensible ratings are MBTU/h; Watts ratings are in kW/h
- Sensible heat capacities shown are based on 80°F DB entering air at the evaporator coil. For sensible heat capacities at other than 80°F DB, deduct 84
- BTU/h per 100 CFM of evaporator coil air for each degree below 80°F, or add 84 BTU/h per 100 CFM of evaporator coil air per degree above 80°F.
- CAPACITIES AT 95°F OUTDOOR, 75°F DB and 63°F WB INDOOR  
TOTAL MBTU/h 105.7 SENSIBLE MBTU/h 76.8 LATENT MBTU/h 29.0

EXPANDED COOLING DATA — GSC100903AA / AR090

IDB	Airflow	Outdoor Ambient Temperature																								
		65°F				75°F				85°F				95°F				105°F				115°F				
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	
		Entering Indoor Wet Bulb Temperature																								
		MBh	86.2	89.4	97.9	-	84.2	87.3	95.6	-	82.2	85.2	93.4	-	80.2	83.1	91.1	-	76.2	79.0	86.5	-	70.6	73.2	80.2	-
		S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-
		ΔT	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	16	12	-	18	15	12	-
	<b>3038</b>	kW	6.80	6.93	7.13	-	7.28	7.42	7.64	-	7.70	7.85	8.09	-	8.07	8.23	8.48	-	8.38	8.55	8.82	-	8.65	8.83	9.11	-
		Amps	18.3	18.6	19.2	-	19.6	20.0	20.5	-	21.0	21.5	22.1	-	22.3	22.8	23.5	-	23.6	24.1	24.9	-	24.9	25.4	26.2	-
		Hi PR	149	160	169	-	167	179	190	-	190	204	216	-	216	232	245	-	243	262	276	-	269	289	305	-
		Lo PR	59	63	69	-	62	66	73	-	65	69	75	-	68	73	79	-	71	76	83	-	74	79	86	-
		MBh	83.7	86.8	95.1	-	81.8	84.8	92.9	-	79.8	82.7	90.7	-	77.9	80.7	88.4	-	74.0	76.7	84.0	-	68.5	71.0	77.8	-
		S/T	0.69	0.58	0.40	-	0.71	0.60	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.79	0.66	0.45	-	0.79	0.66	0.46	-
		ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
	<b>70</b>	kW	6.75	6.88	7.08	-	7.22	7.37	7.58	-	7.64	7.79	8.03	-	8.01	8.17	8.42	-	8.32	8.49	8.75	-	8.59	8.76	9.04	-
		Amps	18.1	18.5	19.0	-	19.4	19.8	20.4	-	20.9	21.3	21.9	-	22.1	22.6	23.3	-	23.4	23.9	24.6	-	24.7	25.2	26.0	-
		Hi PR	147	158	167	-	165	178	188	-	188	202	213	-	214	230	243	-	241	259	273	-	266	286	302	-
		Lo PR	59	62	68	-	62	66	72	-	64	68	75	-	68	72	78	-	71	75	82	-	73	78	85	-
		MBh	77.3	80.1	87.8	-	75.5	78.2	85.7	-	73.7	76.4	83.7	-	71.9	74.5	81.6	-	68.3	70.8	77.5	-	63.3	65.6	71.8	-
		S/T	0.67	0.56	0.38	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.76	0.64	0.44	-
		ΔT	20	17	13	-	20	18	13	-	20	18	13	-	20	18	13	-	20	17	13	-	19	16	12	-
	<b>2363</b>	kW	6.61	6.73	6.93	-	7.07	7.20	7.41	-	7.47	7.62	7.84	-	7.82	7.98	8.22	-	8.13	8.29	8.54	-	8.39	8.56	8.82	-
		Amps	17.7	18.1	18.6	-	18.9	19.3	19.9	-	20.4	20.8	21.4	-	21.6	22.1	22.7	-	22.8	23.3	24.0	-	24.0	24.6	25.3	-
		Hi PR	143	154	162	-	160	172	182	-	182	196	207	-	207	223	236	-	233	251	265	-	258	278	293	-
		Lo PR	57	60	66	-	60	64	70	-	62	66	72	-	65	70	76	-	69	73	80	-	71	76	82	-

		MBh	87.7	90.3	97.7	104.9	85.7	88.2	95.5	102.5	83.6	86.1	93.2	100.0	81.6	84.0	90.9	97.6	77.5	79.8	86.4	92.7	71.8	73.9	80.0	85.9
		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	22	20	16	11	22	20	17	12	22	20	17	12	22	21	17	12	22	20	17	11	21	19	15	11
	<b>3038</b>	kW	6.85	6.99	7.19	7.40	7.33	7.48	7.70	7.93	7.76	7.91	8.15	8.40	8.13	8.30	8.55	8.82	8.45	8.62	8.89	9.17	8.72	8.90	9.18	9.47
		Amps	18.4	18.8	19.3	20.0	19.7	20.1	20.7	21.4	21.2	21.7	22.3	23.1	22.5	23.0	23.7	24.5	23.8	24.3	25.1	25.9	25.1	25.6	26.4	27.3
		Hi PR	150	162	171	178	168	181	191	200	192	206	218	227	218	235	248	259	245	264	279	291	271	292	308	321
		Lo PR	60	64	69	74	63	67	73	78	66	70	76	81	69	73	80	85	72	77	84	89	75	79	87	92
		MBh	85.1	87.7	94.9	101.8	83.2	85.6	92.7	99.5	81.2	83.6	90.5	97.1	79.2	81.5	88.3	94.7	75.2	77.5	83.9	90.0	69.7	71.8	77.7	83.4
		S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.81	0.61	0.39
		ΔT	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	20	16	11
	<b>2700</b>	kW	6.80	6.93	7.13	7.34	7.28	7.42	7.64	7.87	7.70	7.85	8.09	8.34	8.07	8.23	8.48	8.75	8.38	8.56	8.82	9.10	8.65	8.83	9.11	9.40
		Amps	18.3	18.7	19.2	19.8	19.6	20.0	20.5	21.2	21.0	21.5	22.1	22.9	22.3	22.8	23.5	24.3	23.6	24.1	24.9	25.7	24.9	25.4	26.2	27.1
		Hi PR	149	160	169	176	167	179	190	198	190	204	216	225	216	233	246	256	243	262	276	288	269	289	305	318
		Lo PR	59	63	69	73	62	66	73	77	65	69	75	80	68	73	79	84	71	76	83	88	74	79	86	91
		MBh	78.6	80.9	87.6	94.0	76.8	79.0	85.5	91.8	74.9	77.1	83.5	89.6	73.1	75.3	81.5	87.4	69.4	71.5	77.4	83.1	64.3	66.2	71.7	76.9
		S/T	0.76	0.68	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.87	0.78	0.59	0.38
		ΔT	23	21	17	12	23	22	18	12	23	22	18	12	24	22	18	12	23	21	18	12	22	20	16	11
	<b>2363</b>	kW	6.66	6.78	6.98	7.18	7.12	7.26	7.47	7.69	7.52	7.67	7.90	8.14	7.88	8.04	8.29	8.54	8.19	8.36	8.61	8.88	8.45	8.63	8.89	9.17
		Amps	17.8	18.2	18.7	19.3	19.1	19.5	20.1	20.7	20.5	21.0	21.6	22.3	21.8	22.2	22.9	23.7	23.0	23.5	24.2	25.1	24.2	24.8	25.5	26.4
		Hi PR	144	155	164	171	162	174	184	192	184	198	209	218	210	226	238	248	236	254	268	279	261	280	296	309
		Lo PR	57	61	67	71	61	64	70	75	63	67	73	78	66	70	77	82	69	74	81	86	72	76	83	89

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

EXPANDED COOLING DATA — GSC100903AA / AR090 (CONT.)

IDB		Outdoor Ambient Temperature																											
		65°F				75°F				85°F				95°F				105°F				115°F							
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
		Entering Indoor Wet Bulb Temperature																											
80	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
	MBh	89.3	91.2	97.4	104.2	87.2	89.1	95.2	101.7	85.1	87.0	92.9	99.3	83.0	84.8	90.6	96.9	80.6	82.4	88.0	94.1	76.6	78.2	83.6	89.4	70.9	72.5	77.4	82.8
	S/T	0.90	0.85	0.69	0.51	0.93	0.88	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.75	0.56	1.00	0.96	0.78	0.59	1.00	0.96	0.78	0.59	1.00	0.97	0.79	0.59
	ΔT	24	23	20	16	25	24	21	16	25	24	21	16	25	24	21	17	24	23	20	16	22	22	20	16	22	22	19	15
	kW	6.90	7.04	7.24	7.45	7.39	7.53	7.76	7.99	7.82	7.97	8.21	8.47	8.19	8.36	8.62	8.89	8.51	8.69	8.96	9.24	8.79	8.98	9.25	9.55	8.53	8.72	9.00	9.30
	Amps	18.6	18.9	19.5	20.1	19.9	20.3	20.9	21.6	21.4	21.8	22.5	23.3	22.7	23.2	23.9	24.7	24.0	24.5	25.3	26.2	25.3	25.9	26.7	27.6	25.1	25.6	26.4	27.3
	Hi-PR	152	163	172	180	170	183	193	202	194	208	220	229	220	237	250	261	248	267	282	294	274	295	311	325	271	292	308	322
	Lo-PR	60	64	70	75	64	68	74	79	66	70	77	82	70	74	81	86	73	78	85	90	75	80	88	93	75	79	87	92
	MBh	86.7	88.5	94.6	101.1	84.6	86.5	92.4	98.8	82.6	84.4	90.2	96.4	80.6	82.4	88.0	94.1	80.6	82.4	88.0	94.1	76.6	78.2	83.6	89.4	70.9	72.5	77.4	82.8
	S/T	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.75	0.56	0.99	0.93	0.75	0.56
ΔT	25	24	21	17	26	25	21	17	26	25	21	17	26	25	22	17	26	24	21	17	24	23	20	16	24	23	20	16	
kW	6.85	6.99	7.19	7.40	7.33	7.48	7.70	7.93	7.76	7.91	8.15	8.40	8.13	8.30	8.55	8.82	8.45	8.62	8.89	9.17	8.72	8.91	9.18	9.47	8.52	8.69	8.96	9.25	
Amps	18.4	18.8	19.3	20.0	19.7	20.1	20.7	21.4	21.2	21.7	22.3	23.1	22.5	23.0	23.7	24.5	23.8	24.3	25.1	25.9	25.1	25.6	26.4	27.3	24.4	25.0	25.8	26.6	
Hi-PR	150	162	171	178	168	181	191	200	192	206	218	227	218	235	248	259	246	264	279	291	271	292	308	322	271	292	308	322	
Lo-PR	60	64	69	74	63	67	73	78	66	70	76	81	69	73	80	85	72	77	84	89	75	79	87	92	75	79	87	92	
MBh	80.0	81.7	87.3	93.3	78.1	79.8	85.3	91.2	76.3	77.9	83.3	89.0	74.4	76.0	81.2	86.8	70.7	72.2	77.2	82.5	65.5	66.9	71.5	76.4	65.5	66.9	71.5	76.4	
S/T	0.83	0.78	0.63	0.47	0.86	0.81	0.66	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.69	0.52	0.94	0.89	0.72	0.54	0.95	0.89	0.73	0.54	0.95	0.89	0.73	0.54	
ΔT	26	25	22	17	26	25	22	17	26	25	22	17	26	25	22	18	26	25	22	17	24	23	20	16	24	23	20	16	
kW	6.71	6.83	7.03	7.23	7.17	7.31	7.52	7.75	7.58	7.73	7.96	8.21	7.94	8.11	8.35	8.61	8.25	8.42	8.68	8.95	8.52	8.69	8.96	9.25	8.32	8.49	8.76	9.05	
Amps	18.0	18.4	18.9	19.5	19.2	19.6	20.2	20.9	20.7	21.1	21.8	22.5	22.0	22.4	23.1	23.9	23.2	23.7	24.4	25.3	24.4	25.0	25.8	26.6	24.4	25.0	25.8	26.6	
Hi-PR	146	157	166	173	163	176	186	194	186	200	211	220	212	228	241	251	238	256	271	282	263	283	299	312	263	283	299	312	
Lo-PR	58	62	67	72	61	65	71	76	64	68	74	79	67	71	78	83	70	74	81	87	72	77	84	90	72	77	84	90	

85	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
	MBh	90.8	92.6	97.0	103.4	88.7	90.4	94.7	101.0	86.6	88.3	92.4	98.6	84.5	86.1	90.2	96.2	80.3	81.8	85.7	91.4	74.3	75.8	79.4	84.7	74.3	75.8	79.4	84.7
	S/T	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.94	0.76	1.00	1.00	0.94	0.77
	ΔT	26	26	24	21	26	26	24	21	26	26	24	21	26	26	25	21	24	25	24	21	23	23	23	20	23	23	23	20
	kW	6.95	7.09	7.29	7.51	7.44	7.59	7.82	8.05	7.87	8.03	8.28	8.53	8.26	8.43	8.68	8.96	8.58	8.76	9.03	9.31	8.86	9.05	9.33	9.63	8.86	9.05	9.33	9.63
	Amps	18.7	19.1	19.6	20.3	20.0	20.5	21.1	21.8	21.6	22.0	22.7	23.4	22.9	23.4	24.1	24.9	24.2	24.7	25.5	26.4	25.5	26.1	26.9	27.8	25.5	26.1	26.9	27.8
	Hi-PR	153	165	174	182	172	185	195	204	195	210	222	232	223	240	253	264	250	270	285	297	277	298	314	328	277	298	314	328
	Lo-PR	61	65	71	75	64	68	75	80	67	71	78	83	70	75	82	87	74	78	86	91	76	81	88	94	76	81	88	94
	MBh	88.2	89.9	94.1	100.4	86.1	87.8	91.9	98.1	84.1	85.7	89.7	95.7	82.0	83.6	87.6	93.4	77.9	79.4	83.2	88.7	72.2	73.6	77.1	82.2	72.2	73.6	77.1	82.2
	S/T	0.90	0.87	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.92	0.83	0.68	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.73	1.00	1.00	0.90	0.73	1.00	1.00	0.90	0.73
ΔT	27	27	25	22	27	27	25	22	27	27	25	22	28	27	26	22	27	27	25	22	25	25	24	20	25	25	24	20	
kW	6.90	7.04	7.24	7.45	7.39	7.53	7.76	7.99	7.82	7.97	8.21	8.47	8.19	8.36	8.62	8.89	8.51	8.69	8.96	9.24	8.79	8.98	9.25	9.55	8.79	8.98	9.25	9.55	
Amps	18.6	18.9	19.5	20.1	19.9	20.3	20.9	21.6	21.4	21.8	22.5	23.3	22.7	23.2	23.9	24.7	24.0	24.5	25.3	26.2	25.3	25.9	26.7	27.6	25.3	25.9	26.7	27.6	
Hi-PR	152	163	172	180	170	183	193	202	194	208	220	229	220	237	250	261	248	267	282	294	274	295	311	325	274	295	311	325	
Lo-PR	60	64	70	75	64	68	74	79	66	70	77	82	70	74	81	86	73	78	85	90	75	80	88	93	75	80	88	93	
MBh	81.4	83.0	86.9	92.7	79.5	81.0	84.9	90.5	77.6	79.1	82.8	88.4	75.7	77.2	80.8	86.2	71.9	73.3	76.8	81.9	66.6	67.9	71.1	75.9	66.6	67.9	71.1	75.9	
S/T	0.87	0.84	0.76	0.61	0.90	0.87	0.78	0.64	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.96	0.87	0.71	1.00	0.96	0.87	0.71	
ΔT	28	27	26	22	28	27	26	22	28	27	26	22	28	28	26	23	28	27	26	22	26	25	24	21	26	25	24	21	
kW	6.75	6.88	7.08	7.29	7.22	7.37	7.58	7.81	7.64	7.79	8.02	8.27	8.00	8.17	8.42	8.68	8.32	8.49	8.75	9.02	8.58	8.76	9.03	9.32	8.58	8.76	9.03	9.32	
Amps	18.1	18.5	19.0	19.6	19.4	19.8	20.4	21.0	20.9	21.3	21.9	22.7	22.1	22.6	23.3	24.1	23.4	23.9	24.6	25.5	24.7	25.2	26.0	26.9	24.7	25.2	26.0	26.9	
Hi-PR	147	158	167	174	165	178	188	196	188	202	213	222	214	230	243	253	241	259	273	285	266	286	302	315	266	286	302	315	
Lo-PR	59	62	68	72	62	66	72	76	64	68	75	79	67	72	78	83	71	75	82	87	73	78	85	90	73	78	85	90	

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

EXPANDED COOLING DATA — GSC101203AA / AR120

IDB	Airflow	Outdoor Ambient Temperature																							
		65°F				75°F				85°F				95°F				105°F				115°F			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	MBh	111.7	115.8	126.9	-	109.1	113.1	123.9	-	106.5	110.4	121.0	-	103.9	107.7	118.0	-	98.7	102.3	112.1	-	91.4	94.8	103.8	-
	S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-
	ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
	kW	8.78	8.95	9.21	-	9.40	9.59	9.88	-	9.95	10.15	10.46	-	10.44	10.65	10.98	-	10.85	11.07	11.42	-	11.20	11.44	11.80	-
	Amps	21.7	22.2	22.9	-	23.3	23.9	24.6	-	25.2	25.8	26.6	-	26.8	27.4	28.2	-	28.4	29.0	29.9	-	30.0	30.7	31.6	-
	Hi PR	135	146	154	-	152	164	173	-	173	186	196	-	197	212	224	-	221	238	252	-	245	263	278	-
	Lo PR	58	62	68	-	62	66	72	-	64	68	74	-	67	72	78	-	71	75	82	-	73	78	85	-
	MBh	108.5	112.4	123.2	-	105.9	109.8	120.3	-	103.4	107.2	117.4	-	100.9	104.6	114.6	-	95.8	99.3	108.8	-	88.8	92.0	100.8	-
	S/T	0.69	0.58	0.40	-	0.71	0.60	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.79	0.66	0.45	-	0.79	0.66	0.46	-
	ΔT	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-
kW	8.72	8.89	9.15	-	9.33	9.52	9.80	-	9.88	10.08	10.38	-	10.36	10.57	10.89	-	10.76	10.99	11.33	-	11.12	11.35	11.70	-	
Amps	21.6	22.0	22.7	-	23.2	23.7	24.4	-	25.0	25.5	26.3	-	26.6	27.2	28.0	-	28.1	28.8	29.7	-	29.7	30.4	31.4	-	
Hi PR	134	144	152	-	150	162	171	-	171	184	194	-	195	210	221	-	219	236	249	-	242	261	275	-	
Lo PR	58	61	67	-	61	65	71	-	63	68	74	-	67	71	77	-	70	74	81	-	72	77	84	-	
MBh	100.1	103.8	113.7	-	97.8	101.3	111.0	-	95.4	98.9	108.4	-	93.1	96.5	105.7	-	88.5	91.7	100.5	-	81.9	84.9	93.1	-	
S/T	0.67	0.56	0.38	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.76	0.64	0.44	-	
ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-	
kW	8.53	8.69	8.94	-	9.13	9.31	9.58	-	9.65	9.85	10.14	-	10.12	10.32	10.64	-	10.51	10.73	11.06	-	10.85	11.08	11.42	-	
Amps	21.0	21.5	22.1	-	22.6	23.1	23.8	-	24.4	24.9	25.7	-	25.9	26.5	27.3	-	27.4	28.0	28.9	-	28.9	29.6	30.5	-	
Hi PR	130	140	148	-	146	157	166	-	166	179	189	-	189	203	215	-	213	229	242	-	235	253	267	-	
Lo PR	56	60	65	-	59	63	69	-	62	65	71	-	65	69	75	-	68	72	79	-	70	75	81	-	

75	MBh	113.6	117.0	126.6	135.9	111.0	114.2	123.7	132.7	108.3	111.5	120.7	129.6	105.7	108.8	117.8	126.4	100.4	103.4	111.9	120.1	93.0	95.7	103.6	111.2
	S/T	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.94	0.84	0.64	0.41
	ΔT	21	20	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
	kW	8.85	9.02	9.28	9.56	9.48	9.67	9.95	10.26	10.03	10.23	10.55	10.87	10.52	10.74	11.07	11.42	10.93	11.16	11.51	11.88	11.29	11.53	11.89	12.27
	Amps	21.9	22.4	23.1	23.9	23.5	24.1	24.8	25.6	25.4	26.0	26.8	27.7	27.0	27.6	28.5	29.5	28.6	29.3	30.2	31.3	30.2	30.9	31.9	33.1
	Hi PR	137	147	155	162	154	165	174	182	175	188	198	207	199	214	226	236	224	241	254	265	247	266	281	293
	Lo PR	59	63	68	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	78	86	91
	MBh	110.3	113.6	122.9	131.9	107.7	110.9	120.1	128.9	105.2	108.3	117.2	125.8	102.6	105.6	114.3	122.7	97.5	100.4	108.6	116.6	90.3	93.0	100.6	108.0
	S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.81	0.61	0.39
	ΔT	22	20	17	12	22	21	17	12	22	21	17	12	23	21	17	12	22	20	17	12	21	19	16	11
kW	8.78	8.96	9.22	9.49	9.41	9.59	9.88	10.18	9.95	10.16	10.46	10.79	10.44	10.65	10.98	11.33	10.85	11.08	11.42	11.78	11.21	11.44	11.80	12.18	
Amps	21.8	22.2	22.9	23.7	23.4	23.9	24.6	25.4	25.2	25.8	26.6	27.5	26.8	27.4	28.3	29.3	28.4	29.0	30.0	31.0	30.0	30.7	31.6	32.8	
Hi PR	135	146	154	161	152	164	173	180	173	186	196	205	197	212	224	233	222	238	252	263	245	263	278	290	
Lo PR	58	62	68	72	62	66	72	76	64	68	74	79	67	72	78	83	71	75	82	87	73	78	85	90	
MBh	101.8	104.8	113.5	121.8	99.4	102.4	110.8	118.9	97.1	99.9	108.2	116.1	94.7	97.5	105.5	113.3	90.0	92.6	100.3	107.6	83.3	85.8	92.9	99.7	
S/T	0.76	0.68	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.87	0.78	0.59	0.38	
ΔT	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	19	16	11	
kW	8.59	8.76	9.01	9.28	9.19	9.38	9.65	9.94	9.73	9.92	10.22	10.54	10.20	10.41	10.72	11.06	10.60	10.82	11.15	11.50	10.94	11.17	11.52	11.88	
Amps	21.2	21.7	22.3	23.1	22.8	23.3	24.0	24.8	24.6	25.1	25.9	26.8	26.1	26.7	27.5	28.5	27.7	28.3	29.2	30.2	29.2	29.9	30.8	31.9	
Hi PR	131	141	149	156	147	159	168	175	168	180	191	199	191	206	217	226	215	231	244	255	237	255	270	281	
Lo PR	57	60	66	70	60	64	69	74	62	66	72	77	65	69	76	81	68	73	80	85	71	75	82	88	

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

EXPANDED COOLING DATA — GSC101203AA / AR120 (CONT.)

IDB	Airflow	Outdoor Ambient Temperature																							
		65°F				75°F				85°F				95°F				105°F				115°F			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	MBh	115.6	118.1	126.2	134.9	112.9	115.4	123.3	131.8	110.2	112.7	120.4	128.7	107.6	109.9	117.4	125.5	102.2	104.4	111.5	119.2	94.6	96.7	103.3	110.5
	S/T	0.90	0.85	0.69	0.51	0.93	0.88	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.75	0.56	1.00	0.96	0.78	0.59	1.00	0.97	0.79	0.59
	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	23	23	20	16	21	21	19	15
	kW	8.91	9.09	9.35	9.63	9.55	9.74	10.03	10.34	10.11	10.31	10.63	10.96	10.60	10.82	11.16	11.51	11.02	11.25	11.60	11.97	11.38	11.62	11.99	12.37
	Amps	22.1	22.6	23.3	24.1	23.7	24.3	25.0	25.9	25.6	26.2	27.0	28.0	27.3	27.9	28.7	29.8	28.6	29.6	30.5	31.6	30.5	31.2	32.2	33.3
	Hi PR	138	149	157	164	155	167	176	184	176	190	200	209	201	216	228	238	226	243	257	268	250	269	284	296
	Lo PR	60	63	69	74	63	67	73	78	65	70	76	81	69	73	80	85	72	77	84	89	74	79	86	92
	MBh	112.3	114.7	122.6	131.0	109.6	112.0	119.7	128.0	107.0	109.4	116.9	124.9	104.4	106.7	114.0	121.9	99.2	101.4	108.3	115.8	91.9	93.9	100.3	107.2
	S/T	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.75	0.56
	ΔT	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	19	15
kW	8.85	9.02	9.28	9.56	9.48	9.67	9.95	10.26	10.03	10.24	10.55	10.87	10.52	10.74	11.07	11.42	10.94	11.16	11.51	11.88	11.29	11.53	11.89	12.28	
Amps	21.9	22.4	23.1	23.9	23.5	24.1	24.8	25.6	25.4	26.0	26.8	27.7	27.0	27.6	28.5	29.5	28.6	29.3	30.2	31.3	30.2	30.9	31.9	33.1	
Hi PR	137	147	155	162	154	165	174	182	175	188	198	207	199	214	226	236	224	241	254	265	247	266	281	293	
Lo PR	59	63	68	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	78	86	91	
MBh	103.6	105.9	113.1	120.9	101.2	103.4	110.5	118.1	98.8	100.9	107.9	115.3	96.4	98.5	105.2	112.5	91.6	93.6	100.0	106.9	84.8	86.7	92.6	99.0	
S/T	0.83	0.78	0.63	0.47	0.86	0.81	0.66	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.69	0.52	0.94	0.89	0.72	0.54	0.95	0.89	0.73	0.54	
ΔT	25	24	21	17	25	24	21	17	25	24	21	17	26	25	21	17	25	24	21	17	24	23	20	16	
kW	8.65	8.82	9.08	9.35	9.26	9.45	9.73	10.02	9.80	10.00	10.30	10.62	10.28	10.49	10.81	11.14	10.68	10.90	11.24	11.59	11.03	11.26	11.61	11.98	
Amps	21.4	21.9	22.5	23.3	23.0	23.5	24.2	25.0	24.8	25.3	26.1	27.0	26.3	26.9	27.8	28.7	27.9	28.5	29.4	30.5	29.4	30.1	31.1	32.2	
Hi PR	133	143	151	157	149	160	169	177	169	182	192	201	193	208	219	229	217	234	247	257	240	258	272	284	
Lo PR	57	61	66	71	60	64	70	75	63	67	73	78	66	70	77	82	69	74	80	86	72	76	83	88	

85	MBh	117.6	119.9	125.6	134.0	114.9	117.1	122.7	130.9	112.2	114.3	119.8	127.8	109.4	111.6	116.8	124.6	104.0	106.0	111.0	118.4	96.3	98.2	102.8	109.7
	S/T	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.94	0.77
	ΔT	25	25	23	20	26	25	24	21	25	25	24	21	25	25	24	21	24	24	24	20	22	22	22	19
	kW	8.98	9.16	9.42	9.71	9.62	9.81	10.11	10.42	10.18	10.39	10.71	11.04	10.68	10.91	11.24	11.60	11.11	11.34	11.70	12.07	11.47	11.72	12.09	12.47
	Amps	22.3	22.8	23.5	24.3	23.9	24.5	25.2	26.1	25.8	26.4	27.2	28.2	27.5	28.1	29.0	30.0	29.1	29.8	30.7	31.8	30.8	31.5	32.5	33.6
	Hi PR	140	150	159	165	157	169	178	186	178	192	202	211	203	218	231	240	228	246	259	271	252	271	287	299
	Lo PR	60	64	70	74	64	68	74	79	66	70	77	82	69	74	81	86	73	77	84	90	75	80	87	93
	MBh	114.2	116.4	121.9	130.1	111.6	113.7	119.1	127.1	108.9	111.0	116.3	124.0	106.2	108.3	113.4	121.0	100.9	102.9	107.8	115.0	93.5	95.3	99.8	106.5
	S/T	0.90	0.87	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.92	0.83	0.68	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.73	1.00	1.00	0.90	0.73
	ΔT	26	26	24	21	27	26	25	21	27	26	25	21	27	26	25	22	26	26	25	21	24	24	23	20
kW	8.91	9.09	9.35	9.63	9.55	9.74	10.03	10.34	10.11	10.31	10.63	10.96	10.60	10.82	11.16	11.51	11.02	11.25	11.60	11.97	11.38	11.62	11.99	12.37	
Amps	22.1	22.6	23.3	24.1	23.7	24.3	25.0	25.9	25.6	26.2	27.0	28.0	27.3	27.9	28.7	29.8	28.9	29.6	30.5	31.6	30.5	31.2	32.2	33.3	
Hi PR	138	149	157	164	155	167	176	184	176	190	200	209	201	216	228	238	226	243	257	268	250	269	284	296	
Lo PR	60	63	69	74	63	67	73	78	65	70	76	81	69	73	80	85	72	77	84	89	74	79	86	92	
MBh	105.4	107.5	112.5	120.1	103.0	105.0	109.9	117.3	100.5	102.5	107.3	114.5	98.1	100.0	104.7	111.7	93.2	95.0	99.5	106.1	86.3	88.0	92.1	98.3	
S/T	0.87	0.84	0.76	0.61	0.90	0.87	0.78	0.64	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.96	0.87	0.71	
ΔT	27	26	25	22	27	27	25	22	27	27	25	22	27	27	25	22	27	26	25	22	25	25	23	20	
kW	8.72	8.89	9.14	9.42	9.33	9.52	9.80	10.10	9.88	10.08	10.38	10.70	10.35	10.57	10.89	11.23	10.76	10.99	11.33	11.68	11.11	11.35	11.70	12.07	
Amps	21.6	22.0	22.7	23.5	23.1	23.7	24.4	25.2	25.0	25.5	26.3	27.2	26.6	27.2	28.0	29.0	28.1	28.8	29.7	30.7	29.7	30.4	31.3	32.5	
Hi PR	134	144	152	159	150	162	171	178	171	184	194	203	195	210	221	231	219	236	249	260	242	261	275	287	
Lo PR	58	61	67	71	61	65	71	76	63	67	74	78	67	71	77	82	70	74	81	86	72	77	84	89	

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

EXPANDED COOLING DATA — GSC100904AA / AR090

IDB	Airflow	Outdoor Ambient Temperature																							
		65°F				75°F				85°F				95°F				105°F				115°F			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
70	MBh	86.2	89.4	97.9	-	84.2	87.3	95.6	-	82.2	85.2	93.4	-	80.2	83.1	91.1	-	76.2	79.0	86.5	-	70.6	73.2	80.2	-
	S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-
	ΔT	19	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	16	12	-	18	15	12	-
	kW	6.84	6.96	7.16	-	7.30	7.44	7.65	-	7.71	7.86	8.09	-	8.07	8.23	8.48	-	8.38	8.55	8.80	-	8.64	8.82	9.09	-
	Amps	9.1	9.3	9.5	-	9.7	9.9	10.2	-	10.5	10.7	11.0	-	11.1	11.4	11.7	-	11.7	12.0	12.4	-	12.4	12.7	13.0	-
	Hi PR	149	160	169	-	167	179	190	-	190	204	216	-	216	232	245	-	243	262	276	-	269	289	305	-
	Lo PR	59	63	69	-	62	66	73	-	65	69	75	-	68	73	79	-	71	76	83	-	74	79	86	-
	MBh	83.7	86.8	95.1	-	81.8	84.8	92.9	-	79.8	82.7	90.7	-	77.9	80.7	88.4	-	74.0	76.7	84.0	-	68.5	71.0	77.8	-
	S/T	0.69	0.58	0.40	-	0.71	0.60	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.79	0.66	0.45	-	0.79	0.66	0.46	-
	ΔT	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
kW	6.79	6.91	7.11	-	7.25	7.39	7.60	-	7.65	7.80	8.03	-	8.01	8.17	8.41	-	8.32	8.48	8.74	-	8.58	8.75	9.02	-	
Amps	9.0	9.2	9.5	-	9.7	9.9	10.1	-	10.4	10.6	10.9	-	11.0	11.3	11.6	-	11.6	11.9	12.3	-	12.3	12.5	12.9	-	
Hi PR	147	158	167	-	165	178	188	-	188	202	213	-	214	230	243	-	241	259	273	-	266	286	302	-	
Lo PR	59	62	68	-	62	66	72	-	64	68	75	-	68	72	78	-	71	75	82	-	73	78	85	-	
MBh	77.3	80.1	87.8	-	75.5	78.2	85.7	-	73.7	76.4	83.7	-	71.9	74.5	81.6	-	68.3	70.8	77.5	-	63.3	65.6	71.8	-	
S/T	0.67	0.56	0.38	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.76	0.64	0.44	-	
ΔT	20	17	13	-	20	18	13	-	20	18	13	-	20	18	13	-	20	17	13	-	19	16	12	-	
kW	6.65	6.77	6.96	-	7.09	7.23	7.43	-	7.49	7.63	7.85	-	7.83	7.99	8.22	-	8.13	8.29	8.54	-	8.38	8.55	8.81	-	
Amps	8.8	9.0	9.2	-	9.4	9.6	9.9	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-	11.4	11.6	12.0	-	12.0	12.2	12.6	-	
Hi PR	143	154	162	-	160	172	182	-	182	196	207	-	207	223	236	-	233	251	265	-	258	278	293	-	
Lo PR	57	60	66	-	60	64	70	-	62	66	72	-	65	70	76	-	69	73	80	-	71	76	82	-	

75	MBh	87.7	90.3	97.7	104.9	85.7	88.2	95.5	102.5	83.6	86.1	93.2	100.0	81.6	84.0	90.9	97.6	77.5	79.8	86.4	92.7	71.8	73.9	80.0	85.9
	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	22	20	16	11	22	20	17	12	22	20	17	12	22	21	17	12	22	20	17	11	21	19	15	11
	kW	6.88	7.01	7.21	7.42	7.35	7.50	7.71	7.94	7.77	7.92	8.15	8.40	8.13	8.30	8.54	8.80	8.44	8.61	8.87	9.15	8.71	8.89	9.16	9.44
	Amps	9.2	9.4	9.6	9.9	9.8	10.0	10.3	10.7	10.6	10.8	11.1	11.5	11.2	11.4	11.8	12.2	11.8	12.1	12.5	12.9	12.5	12.8	13.2	13.6
	Hi PR	150	162	171	178	168	181	191	200	192	206	218	227	218	235	248	259	245	264	279	291	271	292	308	321
	Lo PR	60	64	69	74	63	67	73	78	66	70	76	81	69	73	80	85	72	77	84	89	75	79	87	92
	MBh	85.1	87.7	94.9	101.8	83.2	85.6	92.7	99.5	81.2	83.6	90.5	97.1	79.2	81.5	88.3	94.7	75.2	77.5	83.9	90.0	69.7	71.8	77.7	83.4
	S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.81	0.61	0.39
	ΔT	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	20	16	11
kW	6.84	6.96	7.16	7.36	7.30	7.44	7.65	7.88	7.71	7.86	8.09	8.33	8.07	8.23	8.48	8.74	8.38	8.55	8.81	9.08	8.65	8.82	9.09	9.37	
Amps	9.1	9.3	9.5	9.9	9.7	9.9	10.2	10.6	10.5	10.7	11.0	11.4	11.1	11.4	11.7	12.1	11.7	12.0	12.4	12.8	12.4	12.7	13.0	13.5	
Hi PR	149	160	169	176	167	179	190	198	190	204	216	225	216	233	246	256	243	262	276	288	269	289	305	318	
Lo PR	59	63	69	73	62	66	73	77	65	69	75	80	68	73	79	84	71	76	83	88	74	79	86	91	
MBh	78.6	80.9	87.6	94.0	76.8	79.0	85.5	91.8	74.9	77.1	83.5	89.6	73.1	75.3	81.5	87.4	69.4	71.5	77.4	83.1	64.3	66.2	71.7	76.9	
S/T	0.76	0.68	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.87	0.78	0.59	0.38	
ΔT	23	21	17	12	23	22	18	12	23	22	18	12	24	22	18	12	24	22	18	12	22	20	16	11	
kW	6.69	6.82	7.01	7.20	7.14	7.28	7.49	7.70	7.54	7.69	7.91	8.15	7.89	8.05	8.28	8.53	8.19	8.35	8.60	8.87	8.45	8.62	8.88	9.15	
Amps	8.9	9.1	9.3	9.6	9.5	9.7	10.0	10.3	10.2	10.4	10.7	11.1	10.8	11.1	11.4	11.8	11.5	11.7	12.1	12.5	12.1	12.3	12.7	13.1	
Hi PR	144	155	164	171	162	174	184	192	184	198	209	218	210	226	238	248	236	254	268	279	261	280	296	309	
Lo PR	57	61	67	71	61	64	70	75	63	67	73	78	66	70	77	82	69	74	81	86	72	76	83	89	

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

EXPANDED COOLING DATA — GSC100904AA / AR090 (CONT.)

IDB		Outdoor Ambient Temperature																							
		65°F				75°F				85°F				95°F				105°F				115°F			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
<b>80</b>	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
	MBh	89.3	91.2	97.4	104.2	87.2	89.1	95.2	101.7	85.1	87.0	92.9	99.3	83.0	84.8	90.6	96.9	78.9	80.6	86.1	92.0	73.1	74.7	79.8	85.3
	S/T	0.90	0.85	0.69	0.51	0.93	0.88	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.75	0.56	1.00	0.96	0.78	0.59	1.00	0.97	0.79	0.59
	ΔT	24	23	20	16	25	24	21	16	25	24	21	16	25	24	21	17	24	23	20	16	22	22	19	15
	kW	6.93	7.06	7.26	7.47	7.41	7.55	7.77	8.00	7.83	7.98	8.21	8.46	8.19	8.36	8.61	8.87	8.51	8.68	8.94	9.22	8.78	8.96	9.23	9.52
	Amps	9.2	9.4	9.7	10.0	9.9	10.1	10.4	10.7	10.6	10.9	11.2	11.6	11.3	11.5	11.9	12.3	11.9	12.2	12.6	13.0	12.6	12.9	13.3	13.7
	Hi-PR	152	163	172	180	170	183	193	202	194	208	212	229	220	237	250	261	248	267	282	294	274	295	311	325
	Lo-PR	60	64	70	75	64	68	74	79	66	70	77	82	70	74	81	86	73	78	85	90	75	80	88	93
	MBh	86.7	88.5	94.6	101.1	84.6	86.5	92.4	98.8	82.6	84.4	90.2	96.4	80.6	82.4	88.0	94.1	76.6	78.2	83.6	89.4	70.9	72.5	77.4	82.8
	S/T	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.75	0.56
ΔT	25	24	21	17	26	25	21	17	26	25	21	17	26	25	22	17	26	24	21	17	24	23	20	16	
kW	6.88	7.01	7.21	7.42	7.35	7.50	7.71	7.94	7.77	7.92	8.15	8.40	8.13	8.30	8.54	8.80	8.44	8.61	8.87	9.15	8.71	8.89	9.16	9.45	
Amps	9.2	9.4	9.6	9.9	9.8	10.0	10.3	10.7	10.6	10.8	11.1	11.5	11.2	11.4	11.8	12.2	11.8	12.1	12.5	12.9	12.5	12.8	13.2	13.6	
Hi-PR	150	162	171	178	168	181	191	200	192	206	218	227	218	235	248	259	246	264	279	291	271	292	308	322	
Lo-PR	60	64	69	74	63	67	73	78	66	70	76	81	69	73	80	85	72	77	84	89	75	79	87	92	
MBh	80.0	81.7	87.3	93.3	78.1	79.8	85.3	91.2	76.3	77.9	83.3	89.0	74.4	76.0	81.2	86.8	70.7	72.2	77.2	82.5	65.5	66.9	71.5	76.4	
S/T	0.83	0.78	0.63	0.47	0.86	0.81	0.66	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.69	0.52	0.94	0.89	0.72	0.54	0.95	0.89	0.73	0.54	
ΔT	26	25	22	17	26	25	22	17	26	25	22	17	26	25	22	18	26	25	22	17	24	23	20	16	
kW	6.74	6.87	7.06	7.26	7.19	7.33	7.54	7.76	7.60	7.74	7.97	8.21	7.95	8.11	8.35	8.60	8.25	8.42	8.67	8.93	8.51	8.68	8.95	9.22	
Amps	9.0	9.1	9.4	9.7	9.6	9.8	10.1	10.4	10.3	10.5	10.8	11.2	10.9	11.2	11.5	11.9	11.6	11.8	12.2	12.6	12.2	12.4	12.8	13.3	
Hi-PR	146	157	166	173	163	176	186	194	186	200	211	220	212	228	241	251	238	256	271	282	263	283	299	312	
Lo-PR	58	62	67	72	61	65	71	76	64	68	74	79	67	71	78	83	70	74	81	87	72	77	84	90	

<b>85</b>	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
	MBh	90.8	92.6	97.0	103.4	88.7	90.4	94.7	101.0	86.6	88.3	92.4	98.6	84.5	86.1	90.2	96.2	80.3	81.8	85.7	91.4	74.3	75.8	79.4	84.7
	S/T	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.94	0.77
	ΔT	26	26	24	21	26	26	24	21	26	26	24	21	26	26	25	21	24	25	24	21	23	23	23	20
	kW	6.98	7.11	7.31	7.53	7.46	7.61	7.82	8.06	7.88	8.04	8.28	8.53	8.26	8.42	8.67	8.94	8.57	8.75	9.01	9.29	8.85	9.03	9.30	9.59
	Amps	9.3	9.5	9.8	10.1	10.0	10.2	10.5	10.8	10.7	11.0	11.3	11.7	11.4	11.6	12.0	12.4	12.0	12.3	12.7	13.1	12.7	13.0	13.4	13.8
	Hi-PR	153	165	174	182	172	185	195	204	195	210	222	232	223	240	253	264	250	270	285	297	277	298	314	328
	Lo-PR	61	65	71	75	64	68	75	80	67	71	78	83	70	75	82	87	74	78	86	91	76	81	88	94
	MBh	88.2	89.9	94.1	100.4	86.1	87.8	91.9	98.1	84.1	85.7	89.7	95.7	82.0	83.6	87.6	93.4	77.9	79.4	83.2	88.7	72.2	73.6	77.1	82.2
	S/T	0.90	0.87	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.92	0.83	0.68	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.73	1.00	1.00	0.90	0.73
ΔT	27	27	25	22	27	27	25	22	27	27	25	22	28	27	26	22	27	27	25	22	25	25	24	20	
kW	6.93	7.06	7.26	7.47	7.41	7.55	7.77	8.00	7.83	7.98	8.21	8.46	8.19	8.36	8.61	8.87	8.51	8.68	8.94	9.22	8.78	8.96	9.23	9.52	
Amps	9.2	9.4	9.7	10.0	9.9	10.1	10.4	10.7	10.6	10.9	11.2	11.6	11.3	11.5	11.9	12.3	11.9	12.2	12.6	13.0	12.6	12.9	13.3	13.7	
Hi-PR	152	163	172	180	170	183	193	202	194	208	220	229	220	237	250	261	248	267	282	294	274	295	311	325	
Lo-PR	60	64	70	75	64	68	74	79	66	70	77	82	70	74	81	86	73	78	85	90	75	80	88	93	
MBh	81.4	83.0	86.9	92.7	79.5	81.0	84.9	90.5	77.6	79.1	82.8	88.4	75.7	77.2	80.8	86.2	71.9	73.3	76.8	81.9	66.6	67.9	71.1	75.9	
S/T	0.87	0.84	0.76	0.61	0.90	0.87	0.78	0.64	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.96	0.87	0.71	
ΔT	28	27	26	22	28	27	26	22	28	27	26	22	28	28	26	23	28	27	26	22	26	25	24	21	
kW	6.79	6.91	7.11	7.31	7.25	7.38	7.60	7.82	7.65	7.80	8.03	8.27	8.01	8.17	8.41	8.67	8.31	8.48	8.74	9.00	8.58	8.75	9.02	9.29	
Amps	9.0	9.2	9.5	9.8	9.7	9.9	10.1	10.5	10.4	10.6	10.9	11.3	11.0	11.3	11.6	12.0	11.6	11.9	12.3	12.7	12.3	12.5	12.9	13.4	
Hi-PR	147	158	167	174	165	178	188	196	188	202	213	222	214	230	243	253	241	259	273	285	266	286	302	315	
Lo-PR	59	62	68	72	62	66	72	76	64	68	75	79	67	72	78	83	71	75	82	87	73	78	85	90	

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

EXPANDED COOLING DATA — GSC101204AA / AR120

IDB	Airflow	Outdoor Ambient Temperature																							
		65°F				75°F				85°F				95°F				105°F				115°F			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
4050	MBh	111.7	115.8	126.9	-	109.1	113.1	123.9	-	106.5	110.4	121.0	-	103.9	107.7	118.0	-	98.7	102.3	112.1	-	91.4	94.8	103.8	-
	S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-
	ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
	kW	8.78	8.95	9.21	-	9.39	9.58	9.87	-	9.94	10.14	10.45	-	10.42	10.64	10.96	-	10.83	11.06	11.40	-	11.18	11.42	11.78	-
	Amps	10.8	11.1	11.4	-	11.6	11.9	12.2	-	12.4	12.7	13.1	-	13.3	13.6	14.1	-	14.1	14.5	14.9	-	14.9	15.3	15.7	-
	Hi PR	137	147	155	-	153	165	174	-	174	188	198	-	199	214	226	-	223	240	254	-	247	266	281	-
	Lo PR	58	62	68	-	62	66	72	-	64	68	74	-	67	72	78	-	71	75	82	-	73	78	85	-
	MBh	108.5	112.4	123.2	-	105.9	109.8	120.3	-	103.4	107.2	117.4	-	100.9	104.6	114.6	-	95.8	99.3	108.8	-	88.8	92.0	100.8	-
	S/T	0.69	0.58	0.40	-	0.71	0.60	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.79	0.66	0.45	-	0.79	0.66	0.46	-
	ΔT	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	19	17	13	-	18	16	12	-
70	kW	8.71	8.88	9.14	-	9.33	9.51	9.79	-	9.87	10.07	10.37	-	10.34	10.55	10.88	-	10.75	10.97	11.31	-	11.10	11.33	11.68	-
	Amps	10.7	11.0	11.3	-	11.5	11.8	12.1	-	12.4	12.7	13.1	-	13.2	13.5	13.9	-	14.0	14.3	14.8	-	14.8	15.1	15.6	-
	Hi PR	135	146	154	-	152	163	172	-	173	186	196	-	197	212	223	-	221	238	251	-	244	263	278	-
	Lo PR	58	61	67	-	61	65	71	-	63	68	74	-	67	71	77	-	70	74	81	-	72	77	84	-
	MBh	100.1	103.8	113.7	-	97.8	101.3	111.0	-	95.4	98.9	108.4	-	93.1	96.5	105.7	-	88.5	91.7	100.5	-	81.9	84.9	93.1	-
	S/T	0.67	0.56	0.38	-	0.69	0.58	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.76	0.64	0.44	-
	ΔT	19	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	20	17	13	-	18	16	12	-
	kW	8.52	8.69	8.94	-	9.12	9.30	9.57	-	9.64	9.83	10.13	-	10.10	10.31	10.62	-	10.50	10.71	11.04	-	10.84	11.06	11.40	-
	Amps	10.5	10.7	11.0	-	11.2	11.5	11.8	-	12.1	12.4	12.8	-	12.9	13.2	13.6	-	13.7	14.0	14.4	-	14.4	14.7	15.2	-
	Hi PR	131	141	149	-	147	158	167	-	167	180	190	-	191	205	217	-	215	231	244	-	237	255	269	-
Lo PR	56	60	65	-	59	63	69	-	62	65	71	-	65	69	75	-	68	72	79	-	70	75	81	-	

4050	MBh	113.6	117.0	126.6	135.9	111.0	114.2	123.7	132.7	108.3	111.5	120.7	129.6	105.7	108.8	117.8	126.4	100.4	103.4	111.9	120.1	93.0	95.7	103.6	111.2
	S/T	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.94	0.84	0.64	0.41
	ΔT	21	20	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
	kW	8.84	9.01	9.28	9.55	9.47	9.65	9.94	10.24	10.02	10.22	10.53	10.86	10.50	10.72	11.05	11.40	10.92	11.14	11.49	11.85	11.27	11.51	11.87	12.25
	Amps	10.9	11.2	11.5	11.9	11.7	12.0	12.3	12.8	12.7	12.9	13.3	13.8	13.5	13.8	14.2	14.7	14.3	14.6	15.0	15.6	15.1	15.4	15.9	16.5
	Hi PR	138	149	157	164	155	167	176	184	176	190	200	209	201	216	228	238	226	243	256	268	249	268	283	296
	Lo PR	59	63	68	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	78	86	91
	MBh	110.3	113.6	122.9	131.9	107.7	110.9	120.1	128.9	105.2	108.3	117.2	125.8	102.6	105.6	114.3	122.7	97.5	100.4	108.6	116.6	90.3	93.0	100.6	108.0
	S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.81	0.61	0.39
	ΔT	22	20	17	12	22	21	17	12	22	21	17	12	23	21	17	12	22	20	17	12	21	19	16	11
75	kW	8.78	8.95	9.21	9.48	9.40	9.58	9.87	10.17	9.94	10.14	10.45	10.77	10.42	10.64	10.96	11.31	10.83	11.06	11.40	11.76	11.19	11.42	11.78	12.15
	Amps	10.8	11.1	11.4	11.8	11.6	11.9	12.2	12.7	12.5	12.8	13.2	13.7	13.3	13.6	14.1	14.6	14.1	14.5	14.9	15.4	14.9	15.3	15.7	16.3
	Hi PR	137	147	155	162	153	165	174	182	174	188	198	207	199	214	226	235	223	240	254	265	247	266	281	293
	Lo PR	58	62	68	72	62	66	72	76	64	68	74	79	67	72	78	83	71	75	82	87	73	78	85	90
	MBh	101.8	104.8	113.5	121.8	99.4	102.4	110.8	118.9	97.1	99.9	108.2	116.1	94.7	97.5	105.5	113.3	90.0	92.6	100.3	107.6	83.3	85.8	92.9	99.7
	S/T	0.76	0.68	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.87	0.78	0.59	0.38
	ΔT	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	21	19	16	11
	kW	8.59	8.75	9.00	9.27	9.19	9.37	9.64	9.93	9.72	9.91	10.21	10.52	10.18	10.39	10.71	11.04	10.58	10.80	11.13	11.48	10.92	11.15	11.50	11.86
	Amps	10.6	10.8	11.1	11.5	11.3	11.6	11.9	12.3	12.2	12.5	12.9	13.3	13.0	13.3	13.7	14.2	13.8	14.1	14.5	15.0	14.5	14.9	15.3	15.9
	Hi PR	133	143	151	157	149	160	169	176	169	182	192	201	193	207	219	228	217	233	246	257	239	258	272	284
Lo PR	57	60	66	70	60	64	69	74	62	66	72	77	65	69	76	81	68	73	80	85	71	75	82	88	

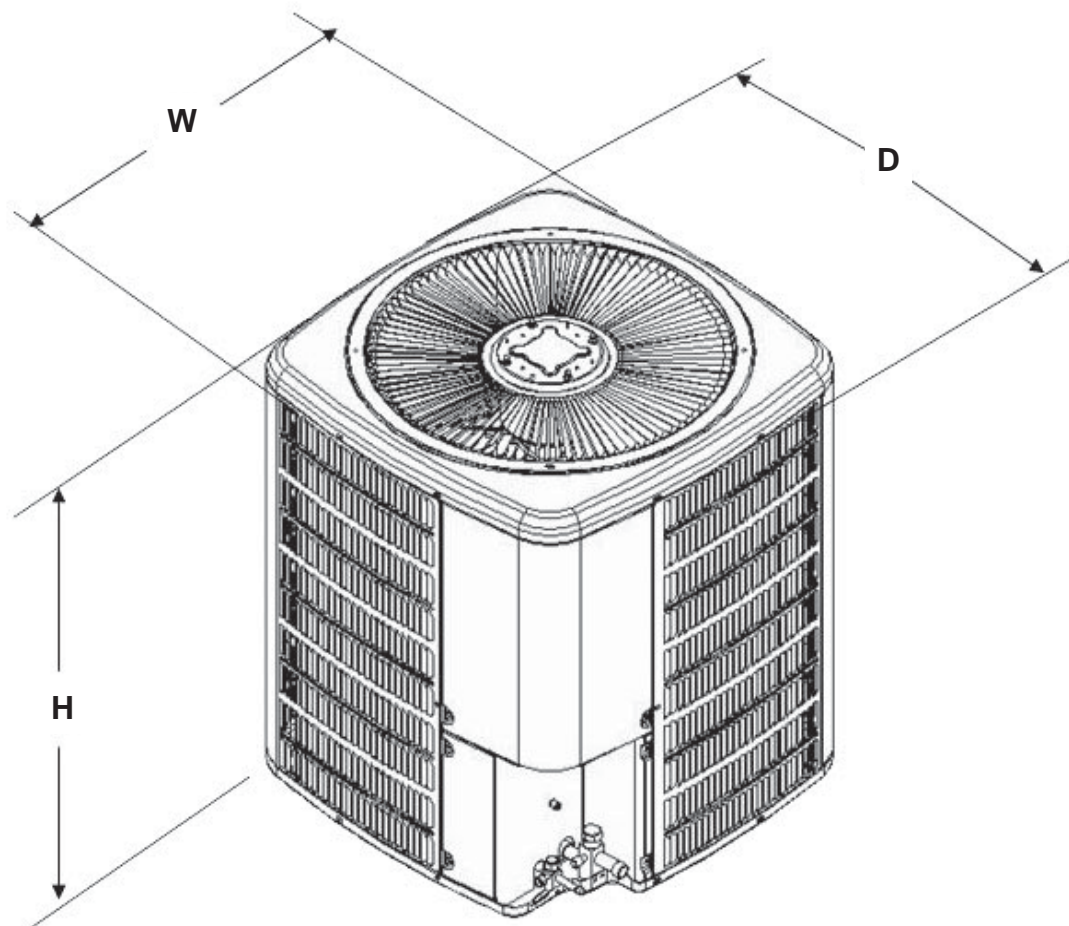
Shaded area is ACCA (TVA) conditions IDB: Entering Indoor Dry Bulb Temperature kW = Total system power Amps = outdoor unit amps (comp.+fan)  
 High and low pressures are measured at the liquid and suction service valves.

EXPANDED COOLING DATA — GSC101204AA / AR120 (CONT.)

IDB	Airflow	Outdoor Ambient Temperature												115°F													
		65°F				75°F				85°F					105°F												
		59	63	67	71	59	63	67	71	59	63	67	71		59	63	67	71									
80	4050	MBh	115.6	118.1	126.2	134.9	112.9	115.4	123.3	131.8	110.2	112.7	120.4	128.7	107.6	109.9	117.4	125.5	102.2	104.4	111.5	119.2	94.6	96.7	103.3	110.5	
		S/T	0.90	0.85	0.69	0.51	0.93	0.88	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.93	0.75	0.56	1.00	0.96	0.78	0.59	1.00	0.97	0.79	0.59	
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	23	23	20	16	21	21	19	15	
	3600	KW	8.91	9.08	9.34	9.62	9.54	9.73	10.02	10.32	10.09	10.30	10.61	10.94	10.59	10.80	11.14	11.49	11.00	11.23	11.58	11.95	11.36	11.60	11.97	12.35	
		Amps	11.0	11.3	11.6	12.0	11.8	12.1	12.5	12.9	12.8	13.0	13.4	13.9	13.6	13.9	14.3	14.8	14.4	14.7	15.2	15.7	15.2	15.5	16.0	16.6	
		Hi/PR	139	150	158	165	156	168	178	185	178	191	202	211	203	218	230	240	228	245	259	270	252	271	286	299	
	85	4050	Lo PR	60	63	69	74	63	67	73	78	65	70	76	81	69	73	80	85	72	77	84	89	74	79	86	92
			MBh	112.3	114.7	122.6	131.0	109.6	112.0	119.7	128.0	107.0	109.4	116.9	124.9	104.4	106.7	114.0	121.9	99.2	101.4	108.3	115.8	91.9	93.9	100.3	107.2
			S/T	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.75	0.56
		3600	ΔT	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	19	15
			KW	8.84	9.01	9.28	9.55	9.47	9.66	9.94	10.24	10.02	10.22	10.53	10.86	10.50	10.72	11.05	11.40	10.92	11.15	11.49	11.86	11.28	11.51	11.87	12.25
			Amps	10.9	11.2	11.5	11.9	11.7	12.0	12.3	12.8	12.7	12.9	13.3	13.8	13.5	13.8	14.2	14.7	14.3	14.6	15.0	15.6	15.1	15.4	15.9	16.5
3150		Hi/PR	138	149	157	164	155	167	176	184	176	190	200	209	201	216	228	238	228	243	257	268	249	268	283	296	
		Lo PR	59	63	68	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	78	86	91	
		MBh	103.6	105.9	113.1	120.9	101.2	103.4	110.5	118.1	98.8	100.9	107.9	115.3	96.4	98.5	105.2	112.5	91.6	93.6	100.0	106.9	84.8	86.7	92.6	99.0	
85		4050	S/T	0.83	0.78	0.63	0.47	0.86	0.81	0.66	0.49	0.88	0.83	0.67	0.50	0.91	0.85	0.69	0.52	0.94	0.89	0.72	0.54	0.95	0.89	0.73	0.54
			ΔT	25	24	21	17	25	24	21	17	25	24	21	17	26	25	21	17	25	24	21	17	24	23	20	16
			KW	8.65	8.82	9.07	9.34	9.25	9.44	9.72	10.01	9.79	9.99	10.29	10.60	10.26	10.47	10.79	11.13	10.66	10.88	11.22	11.57	11.01	11.24	11.59	11.96
	3600	Amps	10.7	10.9	11.2	11.6	11.4	11.7	12.0	12.4	12.3	12.6	13.0	13.4	13.1	13.4	13.8	14.3	13.9	14.2	14.7	15.2	14.7	15.0	15.5	16.0	
		Hi/PR	134	144	152	159	150	162	171	178	171	184	194	203	195	209	221	231	219	236	249	260	242	260	275	287	
		Lo PR	57	61	66	71	60	64	70	75	63	67	73	78	66	70	77	82	69	74	80	86	72	76	83	88	
	85	4050	MBh	117.6	119.9	125.6	134.0	114.9	117.1	122.7	130.9	112.2	114.3	119.8	127.8	109.4	111.6	116.8	124.6	104.0	106.0	111.0	118.4	96.3	98.2	102.8	109.7
			S/T	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.94	0.77
			ΔT	25	25	23	20	26	25	24	21	25	25	24	21	25	25	24	21	24	24	24	20	22	22	22	19
		3600	KW	8.97	9.15	9.41	9.69	9.61	9.80	10.09	10.40	10.17	10.38	10.69	11.03	10.67	10.89	11.22	11.58	11.09	11.32	11.67	12.05	11.45	11.70	12.06	12.45
			Amps	11.1	11.3	11.7	12.1	11.9	12.2	12.6	13.0	12.9	13.2	13.6	14.0	13.7	14.0	14.4	14.9	14.5	14.8	15.3	15.9	15.3	15.7	16.2	16.7
			Hi/PR	141	152	160	167	158	170	180	187	180	193	204	213	205	220	233	243	230	248	262	273	254	274	289	302
85		4050	Lo PR	60	64	70	74	64	68	74	79	66	70	77	82	69	74	81	86	73	77	84	90	75	80	87	93
			MBh	114.2	116.4	121.9	130.1	111.6	113.7	119.1	127.1	108.9	111.0	116.3	124.0	106.2	108.3	113.4	121.0	100.9	102.9	107.8	115.0	93.5	95.3	99.8	106.5
			S/T	0.90	0.87	0.79	0.64	0.93	0.90	0.81	0.66	0.96	0.92	0.83	0.68	0.99	0.95	0.86	0.70	1.00	0.99	0.89	0.73	1.00	1.00	0.90	0.73
		3600	ΔT	26	26	24	21	27	26	25	21	27	26	25	21	27	26	25	22	26	26	25	21	24	24	23	20
			KW	8.91	9.08	9.34	9.62	9.54	9.73	10.02	10.32	10.09	10.30	10.61	10.94	10.59	10.80	11.14	11.49	11.00	11.23	11.58	11.95	11.36	11.60	11.97	12.35
			Amps	11.0	11.3	11.6	12.0	11.8	12.1	12.5	12.9	12.8	13.0	13.4	13.9	13.6	13.9	14.3	14.8	14.4	14.7	15.2	15.7	15.2	15.5	16.0	16.6
	3150	Hi/PR	139	150	158	165	156	168	178	185	178	191	202	211	203	218	230	240	228	245	259	270	252	271	286	299	
		Lo PR	60	63	69	74	63	67	73	78	65	70	76	81	69	73	80	85	72	77	84	89	74	79	86	92	
		MBh	105.4	107.5	112.5	120.1	103.0	105.0	109.9	117.3	100.5	102.5	107.3	114.5	98.1	100.0	104.7	111.7	93.2	95.0	99.5	106.1	86.3	88.0	92.1	98.3	
	3150	S/T	0.87	0.84	0.76	0.61	0.90	0.87	0.78	0.64	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.96	0.87	0.71	
		ΔT	27	26	25	22	27	27	25	22	27	27	25	22	27	27	25	22	27	26	25	22	25	25	23	20	
		KW	8.71	8.88	9.14	9.41	9.32	9.51	9.79	10.08	9.86	10.06	10.37	10.68	10.34	10.55	10.87	11.21	10.75	10.97	11.31	11.66	11.09	11.33	11.68	12.05	
3150	Amps	10.7	11.0	11.3	11.7	11.5	11.8	12.1	12.6	12.4	12.7	13.1	13.6	13.2	13.5	13.9	14.4	14.0	14.3	14.8	15.3	14.8	15.1	15.6	16.2		
	Hi/PR	135	146	154	160	152	163	172	180	173	186	196	205	197	212	223	233	221	238	251	262	244	263	278	290		
	Lo PR	58	61	67	71	61	65	71	76	63	67	74	78	67	71	77	82	70	74	81	86	72	77	84	89		

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

DIMENSIONS



Model	Dimensions W x D x H
GSC10090*	35½ x 35½ x 37½
GSC10090*	35½ x 35½ x 37½
GSC10120*	35½ x 35½ x 41½
GSC10120*	35½ x 35½ x 41½



## PRODUCT SPECIFICATIONS

### ACCESSORIES

Model	Description
ABK-20	Anchor Bracket Kit ▼
CHTD18-60	Digital room thermostat with 1-stage cool/1-stage heat
CHT18-60	Standard room thermostat with 1-stage cool/1-stage heat
FSK01A	Freeze Protection Kit <sup>1</sup>
LA-01	Low Ambient Kit
LSK01A	Liquid Line Solenoid Kit

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

<sup>1</sup> Installed on indoor coil

