

GSH13: 13 SEER, 3-5 TONS
GSH10: 11 EER, 7½ & 10 TONS

Standard Features

- Energy-efficient compressor with internal pressure relief valve
- High-capacity, steel-cased, bi-flow heat pump filter drier
- Factory-installed suction line accumulator
- 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 Standard 90.1
- 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	H	10	120	3	A	A	
	1	2	3	4,5	6,7,8	9	10	11	
Brand									Engineering *
G Goodman® brand									Minor Revision
Product Category									Engineering *
S Split System									Major Revision
Unit Type									Electrical
C Condenser R-22									3 = 208/230 V, 3 Phase, 60 Hz
H Heat Pump R-22									4 = 460 V, 3 Phase, 60 Hz
Efficiency									Nominal Capacity
13 13 EER							036 3 Tons	090 7½ Tons	
10 11 EER							048 4 Tons	120 10 Tons	
							060 5 Tons		

* Neither used for order entry
or inventory management.



GSH13 SPECIFICATIONS

	GSH13 0363A*	GSH13 0483A*	GSH13 0484A*	GSH13 0603A*	GSH13 0604A*
NOMINAL CAPACITIES					
Cooling (BTU/h)	35,000	45,000	45,000	55,500	55,500
Heating (BTU/h)	32,000	43,000	43,000	55,500	55,500
SEER (GSH13)	13	13	13	13	13
Decibels	80	76	76	77	77
COMPRESSOR					
RLA	9.0	12.4	5.8	17.3	6.7
LRA	65.5	88.0	44.0	123.0	49.5
CONDENSER FAN MOTOR					
Horsepower	¼	¼	¼	1/6	1/6
FLA	1.5	1.5	0.8	1.1	0.6
REFRIGERATION SYSTEM					
Liquid Valve Size ("O.D.)	⅝"	⅝"	⅝"	⅝"	⅝"
Suction Valve Size ("O.D.)	1⅝"	1⅝"	⅞"	1⅝"	⅞"
Valve Type	Sweat	Sweat	Sweat	Sweat	Sweat
Refrigerant Charge	188	223	223	233	233
ELECTRICAL DATA					
Voltage-Phase-Frequency	208/230-3-60	208/230-3-60	460-3-60	208/230-3-60	460-3-60
Minimum Circuit Ampacity ¹	12.7	17.1	8.0	22.7	9.0
Max. Overcurrent Protection ²	20	20	15	40	15
Min / Max Volts	197/253	197/253	414/506	197/253	414/506
Electrical Conduit Size	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"
SHIP WEIGHT (LBS)	207	225	225	266	266

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

² May use fuses or HACR type Circuit Breakers of the same size as noted

NOTES

- Always check the S&R plate for electrical data on the unit being installed.
- Installer will need to supply 1⅝" to 1⅞" or 1⅞" to 1⅞" as appropriate.
- Unit charge with dry nitrogen/helium; must safely dispel holding charge from unit. Evacuate and charge with R-22 per Installation Manual.
- Installation of these units requires the specified TXV Kit to be installed on the indoor coil. THE SPECIFIED TXV IS DETERMINED BY THE OUTDOOR UNIT NOT THE INDOOR COIL.

GSH10 SPECIFICATIONS

	GSH10 0903A*/B*	GSH10 0904BA	GSH10 1203A*	GSH10 1204AC
NOMINAL CAPACITIES				
Cooling (BTU/h)	87,000	90,000	110,000	110,000
Heating (BTU/h)	84,000	84,000	100,000	100,000
EER/IEER	11/11	11/11	11/11.5	11/11.5
Decibels	76	76	77	77
COMPRESSOR				
RLA	25.6	12.8	30.1	15.5
LRA	196	100	225	114
CONDENSER FAN MOTOR				
Horsepower	1	1	1	1
FLA	5.6	3.5	5.6	3.5
REFRIGERATION SYSTEM				
Liquid Valve Size ("O.D.)	⅝"	⅝"	⅝"	⅝"
Suction Valve Size ("O.D.) (7½ tons)	1⅜"	1⅜"	---	---
Suction Valve Size ("O.D.) (10 tons)	---	---	1⅝"	1⅝"
Valve Type	Sweat	Sweat	Sweat	Sweat
Refrigerant Charge	30	30	30	30
ELECTRICAL DATA				
Voltage-Phase-Frequency	208-230/3	460-3	208-230/3	460-3
Minimum Circuit Ampacity ¹	37.6	19.5	43.2	22.9
Max. Overcurrent Protection ²	60	30	70	35
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)	254	254	315	296

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

² May use fuses or HACR type Circuit Breakers of the same size as noted

NOTES

- Always check the S&R plate for electrical data on the unit being installed.
- Installer will need to supply 1½" to 1⅝" or 1⅝" to 1¾" as appropriate.
- Unit charge with dry nitrogen/helium; must safely dispel holding charge from unit. Evacuate and charge with R-22 per Installation Manual.
- Installation of these units requires the specified TXV Kit to be installed on the indoor coil. THE SPECIFIED TXV IS DETERMINED BY THE OUTDOOR UNIT NOT THE INDOOR COIL.

EXPANDED COOLING DATA — GSH130363A* / ARUF49-00*-1* / ARUF36421A*

		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	1434	MBh	34.3	35.5	38.9	-	33.5	34.7	38.0	-	32.7	33.9	37.1	-	31.9	33.1	36.2	-	30.3	31.4	34.4	-	28.1	29.1	31.9	-
		S/T	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.67	0.47	-	0.83	0.70	0.48	-	0.87	0.72	0.50	-	0.87	0.73	0.51	-
		ΔT	17	14	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
		kW	2.38	2.43	2.50	-	2.56	2.61	2.69	-	2.71	2.77	2.86	-	2.85	2.91	3.00	-	2.96	3.03	3.12	-	3.06	3.13	3.23	-
		Amps	7.7	7.8	8.1	-	8.2	8.4	8.7	-	8.9	9.1	9.4	-	9.5	9.7	10.0	-	10.1	10.3	10.7	-	10.7	10.9	11.3	-
	1275	Hi PR	140	151	160	-	158	170	179	-	179	193	204	-	204	220	232	-	230	247	261	-	254	273	288	-
		Lo PR	63	67	73	-	67	71	77	-	69	74	81	-	73	77	85	-	76	81	89	-	79	84	92	-
		MBh	33.3	34.5	37.8	-	32.5	33.7	36.9	-	31.7	32.9	36.1	-	31.0	32.1	35.2	-	29.4	30.5	33.4	-	27.3	28.3	31.0	-
		S/T	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.45	-	0.80	0.66	0.46	-	0.83	0.69	0.48	-	0.83	0.70	0.48	-
		ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-
1116	1275	kW	2.36	2.41	2.49	-	2.54	2.59	2.67	-	2.69	2.75	2.83	-	2.83	2.89	2.98	-	2.94	3.00	3.10	-	3.04	3.11	3.21	-
		Amps	7.6	7.8	8.0	-	8.2	8.4	8.6	-	8.8	9.0	9.3	-	9.4	9.6	9.9	-	10.0	10.2	10.6	-	10.6	10.8	11.2	-
		Hi PR	139	150	158	-	156	168	177	-	177	191	202	-	202	217	230	-	227	245	258	-	251	270	285	-
		Lo PR	63	66	73	-	66	70	77	-	69	73	80	-	72	77	84	-	76	80	88	-	78	83	91	-
		MBh	30.7	31.9	34.9	-	30.0	31.1	34.1	-	29.3	30.4	33.3	-	28.6	29.6	32.5	-	27.2	28.2	30.8	-	25.2	26.1	28.6	-
	1116	S/T	0.70	0.58	0.40	-	0.72	0.61	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-
		ΔT	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-
		kW	2.31	2.36	2.43	-	2.48	2.53	2.61	-	2.63	2.68	2.77	-	2.76	2.82	2.91	-	2.87	2.93	3.02	-	2.97	3.03	3.13	-
		Amps	7.4	7.6	7.8	-	8.0	8.1	8.4	-	8.6	8.8	9.1	-	9.2	9.4	9.7	-	9.7	10.0	10.3	-	10.3	10.5	10.9	-
		Hi PR	135	145	153	-	151	163	172	-	172	185	196	-	196	211	223	-	220	237	251	-	244	262	277	-
Lo PR	61	65	70	-	64	68	74	-	67	71	77	-	70	74	81	-	73	78	85	-	76	81	88	-		

75	1434	MBh	34.9	35.9	38.9	41.7	34.1	35.1	38.0	40.7	33.3	34.2	37.1	39.8	32.4	33.4	36.2	38.8	30.8	31.7	34.4	36.9	28.6	29.4	31.8	34.2
		S/T	0.86	0.77	0.59	0.38	0.90	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.98	0.88	0.67	0.43	0.99	0.89	0.67	0.43
		ΔT	19	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	19	18	15	10	18	17	14	9
		kW	2.40	2.45	2.52	2.60	2.58	2.63	2.71	2.80	2.73	2.79	2.88	2.97	2.87	2.93	3.03	3.12	2.99	3.05	3.15	3.25	3.09	3.16	3.26	3.37
		Amps	7.7	7.9	8.1	8.4	8.3	8.5	8.8	9.1	9.0	9.2	9.5	9.8	9.6	9.8	10.1	10.5	10.2	10.4	10.8	11.2	10.8	11.0	11.4	11.8
		Hi PR	142	153	161	168	159	171	181	189	181	195	206	214	206	222	234	244	232	250	263	275	256	276	291	304
		Lo PR	64	68	74	79	67	72	78	83	70	74	81	87	74	78	85	91	77	82	90	95	80	85	93	99
		MBh	33.9	34.9	37.7	40.5	33.1	34.1	36.9	39.6	32.3	33.2	36.0	38.6	31.5	32.4	35.1	37.7	29.9	30.8	33.3	35.8	27.7	28.5	30.9	33.2
		S/T	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.94	0.84	0.64	0.41	0.95	0.85	0.64	0.41
		ΔT	20	19	15	10	20	19	15	11	20	19	15	11	21	19	15	11	20	19	15	11	19	17	14	10
		kW	2.38	2.43	2.50	2.58	2.56	2.61	2.69	2.78	2.71	2.77	2.86	2.95	2.85	2.91	3.00	3.10	2.96	3.03	3.13	3.23	3.06	3.13	3.23	3.34
	1275	Amps	7.7	7.8	8.1	8.4	8.2	8.4	8.7	9.0	8.9	9.1	9.4	9.8	9.5	9.7	10.0	10.4	10.1	10.3	10.7	11.1	10.7	10.9	11.3	11.7
		Hi PR	140	151	160	166	158	170	179	187	179	193	204	212	204	220	232	242	230	247	261	272	254	273	288	301
		Lo PR	63	67	73	78	67	71	77	83	69	74	81	86	73	77	85	90	76	81	89	94	79	84	92	98
75		MBh	31.3	32.2	34.8	37.4	30.5	31.4	34.0	36.5	29.8	30.7	33.2	35.6	29.1	29.9	32.4	34.8	27.6	28.4	30.8	33.0	25.6	26.3	28.5	30.6
		S/T	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.91	0.81	0.61	0.39	0.91	0.82	0.62	0.40
		ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10
		kW	2.33	2.38	2.45	2.52	2.50	2.55	2.63	2.71	2.65	2.70	2.79	2.88	2.78	2.84	2.93	3.02	2.89	2.95	3.05	3.15	2.99	3.05	3.15	3.26
	1116	Amps	7.5	7.6	7.9	8.1	8.0	8.2	8.5	8.8	8.7	8.9	9.2	9.5	9.3	9.5	9.8	10.1	9.8	10.1	10.4	10.8	10.4	10.6	11.0	11.4
		Hi PR	136	147	155	161	153	164	174	181	174	187	197	206	198	213	225	235	223	240	253	264	246	265	280	292
		Lo PR	61	65	71	76	65	69	75	80	67	72	78	83	71	75	82	87	74	79	86	92	77	81	89	95

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 — GSH130363A* / ARUF49-00*-1* / ARUF36421A* (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71								
80	MBh	35.5	36.3	38.8	41.4	34.7	35.4	37.9	40.5	33.8	34.6	37.0	39.5	33.0	33.7	36.1	38.5	31.4	32.1	34.2	36.6	29.1	29.7	31.7	33.9	29.1	29.7	31.7	33.9								
	S/T	0.95	0.89	0.72	0.54	1.00	0.92	0.75	0.56	1.00	0.94	0.77	0.57	1.00	1.00	0.79	0.59	1.00	1.00	0.82	0.62	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62								
	ΔT	22	21	18	14	22	21	18	15	22	21	18	15	21	22	18	15	20	21	18	14	19	19	17	13	19	19	17	13								
	kW	2.42	2.47	2.54	2.62	2.60	2.65	2.73	2.82	2.76	2.81	2.90	3.00	2.89	2.96	3.05	3.15	3.01	3.08	3.18	3.28	3.12	3.18	3.29	3.39	3.12	3.18	3.29	3.39								
	Amps	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.2	9.1	9.3	9.6	9.9	9.7	9.9	10.2	10.6	10.3	10.5	10.9	11.3	10.9	11.1	11.5	11.9	10.9	11.1	11.5	11.9								
	Hi PR	143	154	163	170	161	173	183	190	183	197	208	217	208	224	237	247	234	252	266	278	259	278	294	307	259	278	294	307								
	Lo PR	64	69	75	80	68	72	79	84	71	75	82	87	74	79	86	92	78	83	90	96	81	86	94	100	81	86	94	100								
	MBh	34.5	35.2	37.6	40.2	33.7	34.4	36.8	39.3	32.9	33.6	35.9	38.4	32.1	32.8	35.0	37.4	30.5	31.1	33.3	35.5	28.2	28.8	30.8	32.9	28.2	28.8	30.8	32.9								
	S/T	0.90	0.85	0.69	0.52	0.94	0.88	0.72	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.97	0.79	0.59	1.00	0.97	0.79	0.59								
	ΔT	22	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	22	19	15	20	20	18	14	20	20	18	14								
kW	2.40	2.45	2.52	2.60	2.58	2.63	2.71	2.80	2.73	2.79	2.88	2.97	2.87	2.93	3.03	3.12	2.99	3.05	3.15	3.25	3.09	3.16	3.26	3.37	3.09	3.16	3.26	3.37									
1116	Amps	7.7	7.9	8.1	8.4	8.3	8.5	8.8	9.1	9.0	9.2	9.5	9.8	9.6	9.8	10.1	10.5	10.2	10.4	10.8	11.2	10.8	11.0	11.4	11.8	10.8	11.0	11.4	11.8								
	Hi PR	142	153	161	168	159	171	181	189	181	195	206	215	206	222	234	244	232	250	264	275	256	276	291	304	256	276	291	304								
	Lo PR	64	68	74	79	67	72	78	83	70	75	81	87	74	78	85	91	77	82	90	95	80	85	93	99	80	85	93	99								
	MBh	31.8	32.5	34.7	37.1	31.1	31.7	33.9	36.3	30.3	31.0	33.1	35.4	29.6	30.2	32.3	34.5	28.1	28.7	30.7	32.8	26.0	26.6	28.4	30.4	26.0	26.6	28.4	30.4								
	S/T	0.87	0.82	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57	1.00	0.94	0.76	0.57								
	ΔT	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	16	23	22	19	15	21	21	18	14	21	21	18	14								
	kW	2.35	2.39	2.47	2.54	2.52	2.57	2.65	2.73	2.67	2.73	2.81	2.90	2.80	2.86	2.95	3.05	2.92	2.98	3.07	3.17	3.01	3.08	3.18	3.28	3.01	3.08	3.18	3.28								
	Amps	7.5	7.7	7.9	8.2	8.1	8.3	8.5	8.8	8.8	9.0	9.2	9.6	9.3	9.6	9.9	10.2	9.9	10.1	10.5	10.9	10.5	10.7	11.1	11.5	10.5	10.7	11.1	11.5								
	Hi PR	138	148	156	163	154	166	175	183	176	189	199	208	200	215	227	237	225	242	256	267	249	267	282	295	249	267	282	295								
	Lo PR	62	66	72	77	65	70	76	81	68	72	79	84	71	76	83	88	75	80	87	93	77	82	90	96	77	82	90	96								

1434	MBh	36.1	36.8	38.6	41.1	35.3	36.0	37.7	40.2	34.4	35.1	36.8	39.2	33.6	34.2	35.9	38.3	31.9	32.5	34.1	36.4	29.6	30.1	31.6	33.7
	S/T	0.99	0.96	0.87	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.92	0.75	1.00	1.00	0.95	0.77	1.00	1.00	0.99	0.80	1.00	1.00	0.99	0.81
	ΔT	23	23	21	19	23	23	22	19	22	23	22	19	22	22	22	19	20	21	22	19	19	19	20	17
	kW	2.44	2.49	2.56	2.64	2.62	2.67	2.76	2.84	2.78	2.84	2.93	3.02	2.92	2.98	3.08	3.18	3.04	3.10	3.20	3.31	3.14	3.21	3.31	3.42
	Amps	7.9	8.0	8.3	8.6	8.5	8.7	8.9	9.2	9.2	9.4	9.7	10.0	9.8	10.0	10.3	10.7	10.4	10.6	11.0	11.4	11.0	11.2	11.6	12.0
	Hi PR	145	156	164	171	162	175	184	192	185	199	210	219	210	226	239	249	237	255	269	280	261	281	297	310
	Lo PR	65	69	76	80	69	73	80	85	71	76	83	88	75	80	87	93	79	84	91	97	81	87	94	101
	MBh	35.1	35.7	37.4	39.9	34.3	34.9	36.6	39.0	33.4	34.1	35.7	38.1	32.6	33.3	34.8	37.2	31.0	31.6	33.1	35.3	28.7	29.3	30.6	32.7
1275	S/T	0.95	0.91	0.83	0.67	0.98	0.95	0.86	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.91	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.95	0.77
	ΔT	24	24	22	19	24	24	23	20	24	24	23	20	24	24	23	20	22	23	22	19	21	21	21	18
	kW	2.42	2.47	2.54	2.62	2.60	2.65	2.73	2.82	2.76	2.81	2.90	3.00	2.89	2.96	3.05	3.15	3.01	3.08	3.18	3.28	3.12	3.18	3.29	3.39
	Amps	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.2	9.1	9.3	9.6	9.9	9.7	9.9	10.2	10.6	10.3	10.5	10.9	11.3	10.9	11.1	11.5	11.9
	Hi PR	143	154	163	170	161	173	183	190	183	197	208	217	208	224	237	247	234	252	266	278	259	278	294	307
	Lo PR	64	69	75	80	68	72	79	84	71	75	82	87	74	79	86	92	78	83	90	96	81	86	94	100
	MBh	32.4	33.0	34.6	36.9	31.6	32.2	33.8	36.0	30.9	31.5	32.9	35.1	30.1	30.7	32.1	34.3	28.6	29.2	30.5	32.6	26.5	27.0	28.3	30.2
	S/T	0.91	0.88	0.80	0.65	0.95	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.91	0.74
1116	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	2.36	2.41	2.48	2.56	2.54	2.59	2.67	2.75	2.69	2.75	2.83	2.92	2.83	2.89	2.98	3.07	2.94	3.00	3.10	3.20	3.04	3.10	3.20	3.31
	Amps	7.6	7.8	8.0	8.3	8.2	8.4	8.6	8.9	8.8	9.0	9.3	9.7	9.4	9.6	9.9	10.3	10.0	10.2	10.6	11.0	10.6	10.8	11.2	11.6
	Hi PR	139	150	158	165	156	168	177	185	177	191	201	210	202	217	229	239	227	244	258	269	251	270	285	298
	Lo PR	62	66	73	77	66	70	77	82	69	73	80	85	72	77	84	89	76	80	88	93	78	83	91	97

EXPANDED COOLING DATA — GSH130483A* / ARUF61-00*-1* / ARUF48601A*

		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
70	MBh	44.10	45.70	50.08	-	43.07	44.64	48.91	-	42.05	43.58	47.75	-	41.02	42.52	46.58	-	38.97	40.39	44.25	-	36.10	37.41	40.99	-
	S/T	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.81	0.67	0.47	-	0.83	0.70	0.48	-	0.86	0.72	0.50	-	0.87	0.73	0.50	-
	ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	11	-
	1800 kW	3.103	3.167	3.266	-	3.338	3.409	3.517	-	3.546	3.622	3.739	-	3.729	3.811	3.935	-	3.885	3.971	4.101	-	4.02	4.11	4.24	-
	Amps	9.99	10.22	10.54	-	10.77	11.02	11.37	-	11.67	11.95	12.33	-	12.45	12.75	13.16	-	13.23	13.55	13.99	-	14.00	14.33	14.81	-
	Hi PR	145.2	156.3	165.0	-	163.0	175.4	185.2	-	185.3	199.5	210.6	-	211.1	227.2	239.9	-	237.5	255.6	269.9	-	262.4	282.4	298.2	-
	Lo PR	61.97	65.93	71.98	-	65.47	69.66	76.04	-	68.05	72.39	79.03	-	71.48	76.04	83.02	-	74.91	79.70	87	-	77.48	82.43	89.99	-
	MBh	42.81	44.37	48.62	-	41.82	43.34	47.49	-	40.82	42.31	46.36	-	39.83	41.28	45.23	-	37.83	39.21	42.96	-	35.05	36.32	39.80	-
	S/T	0.724	0.604	0.419	-	0.750	0.626	0.434	-	0.769	0.642	0.445	-	0.794	0.663	0.459	-	0.824	0.688	0.477	-	0.831	0.694	0.481	-
	ΔT	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	14	11	-
	1600 kW	3.079	3.143	3.240	-	3.312	3.382	3.489	-	3.517	3.593	3.709	-	3.699	3.780	3.902	-	3.853	3.938	4.067	-	3.986	4.075	4.209	-
	Amps	9.90	10.13	10.45	-	10.67	10.92	11.27	-	11.57	11.84	12.22	-	12.34	12.63	13.04	-	13.11	13.42	13.86	-	13.87	14.21	14.67	-
	Hi PR	143.8	154.7	163.4	-	161.4	173.6	183.4	-	183.5	197.5	208.5	-	209.0	224.9	237.5	-	235.1	253.0	267.2	-	259.8	279.6	295.2	-
	Lo PR	61.36	65.28	71.26	-	64.83	68.97	75.29	-	67.37	71.68	78.25	-	70.77	75.29	82.20	-	74.17	78.91	86	-	76.72	81.62	89.10	-
1400	MBh	39.52	40.96	44.87	-	38.60	40.00	43.83	-	37.68	39.05	42.79	-	36.76	38.10	41.74	-	34.92	36.19	39.66	-	32.35	33.53	36.73	-
	S/T	0.698	0.583	0.404	-	0.723	0.604	0.418	-	0.742	0.619	0.429	-	0.766	0.639	0.443	-	0.795	0.664	0.460	-	0.801	0.669	0.464	-
	ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
	1400 kW	3.006	3.069	3.163	-	3.232	3.301	3.404	-	3.432	3.506	3.617	-	3.608	3.686	3.805	-	3.758	3.840	3.965	-	3.887	3.973	4.103	-
	Amps	9.645	9.866	10.177	-	10.39	10.64	10.97	-	11.26	11.52	11.89	-	12	12.29	12.69	-	12.76	13.06	13.49	-	13.49	13.82	14.27	-
	Hi PR	139.5	150.1	158.5	-	156.5	168.4	177.9	-	178.0	191.6	202.3	-	202.7	218.2	230.4	-	228.1	245.4	259.2	-	252.0	271.2	286.4	-
	Lo PR	59.52	63.32	69.13	-	62.88	66.90	73.03	-	65.35	69.53	75.90	-	68.65	73.03	79.73	-	71.94	76.54	84	-	74.41	79.17	86.43	-

75	MBh	44.84	46.17	49.98	53.64	43.80	45.10	48.81	52.39	42.76	44.02	47.65	51.14	41.72	42.95	46.49	49.89	39.63	40.80	44.16	47.40	36.71	37.80	40.91	43.91
	S/T	0.863	0.772	0.584	0.376	0.894	0.800	0.605	0.389	0.917	0.820	0.621	0.399	0.946	0.846	0.641	0.412	0.982	0.878	0.665	0.428	0.990	0.886	0.670	0.431
	ΔT	20	18	15	10	20	18	15	10	20	18	15	10	20	19	15	11	20	18	15	10	19	17	14	10
	1800 kW	3.127	3.193	3.292	3.397	3.365	3.437	3.546	3.661	3.575	3.652	3.770	3.894	3.760	3.843	3.968	4.100	3.918	4.004	4.136	4.274	4.054	4.144	4.281	4.425
	Amps	10.08	10.31	10.64	11.02	10.86	11.12	11.47	11.89	11.78	12.05	12.44	12.90	12.56	12.86	13.28	13.77	13.35	13.67	14.12	14.64	14.13	14.47	14.94	15.50
	Hi PR	146.7	157.9	166.7	173.9	164.6	177.2	187.1	195.1	187.2	201.5	212.8	221.9	213.3	229.5	242.3	252.8	239.9	258.2	272.6	284.4	265.1	285.3	301.2	314.2
	Lo PR	62.60	66.60	72.71	77.44	66.14	70.37	76.82	81.81	68.74	73.13	79.84	85.03	72.21	76.82	83.87	89.32	75.67	80.51	87.89	93.60	78.27	83.27	90.91	96.82
	MBh	43.54	44.83	48.52	52.07	42.53	43.78	47.39	50.86	41.51	42.74	46.26	49.65	40.50	41.70	45.14	48.44	38.48	39.61	42.88	46.02	35.64	36.69	39.72	42.63
	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	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10
	1600 kW	3.103	3.168	3.266	3.370	3.338	3.410	3.518	3.631	3.546	3.623	3.740	3.862	3.730	3.811	3.935	4.066	3.886	3.971	4.102	4.239	4.020	4.109	4.245	4.388
	Amps	9.99	10.22	10.54	10.92	10.77	11.02	11.37	11.79	11.67	11.95	12.33	12.78	12.45	12.75	13.16	13.65	13.23	13.55	13.99	14.51	14.00	14.34	14.81	15.36
	Hi PR	145.3	156.3	165.1	172.2	163.0	175.4	185.2	193.2	185.4	199.5	210.7	219.7	211.1	227.2	239.9	250.3	237.5	255.6	269.9	281.5	262.5	282.4	298.2	311.1
	Lo PR	61.98	65.94	71.99	76.67	65.49	69.67	76.06	81.00	68.06	72.41	79.05	84.19	71.49	76.06	83.04	88.43	74.93	79.71	87.02	92.68	77.50	82.45	90.01	95.86
1400	MBh	40.19	41.37	44.78	48.07	39.25	40.41	43.74	46.95	38.32	39.45	42.70	45.83	37.38	38.49	41.66	44.71	35.51	36.56	39.58	42.48	32.90	33.87	36.66	39.35
	S/T	0.793	0.710	0.537	0.346	0.822	0.735	0.557	0.358	0.843	0.754	0.571	0.367	0.870	0.778	0.589	0.379	0.903	0.808	0.611	0.393	0.911	0.815	0.617	0.397
	ΔT	21	19	16	11	21	20	16	11	21	20	16	11	21	20	16	11	21	19	16	11	20	18	15	10
	1400 kW	3.030	3.093	3.189	3.289	3.258	3.327	3.432	3.543	3.460	3.534	3.647	3.766	3.638	3.717	3.837	3.964	3.789	3.872	3.999	4.132	3.920	4.006	4.138	4.277
	Amps	9.73	9.95	10.27	10.63	10.49	10.73	11.07	11.47	11.36	11.63	12.00	12.44	12.12	12.40	12.81	13.28	12.87	13.18	13.61	14.12	13.62	13.95	14.40	14.94
	Hi PR	140.9	151.6	160.1	167.0	158.1	170.2	179.7	187.4	179.8	193.5	204.3	213.1	204.8	220.4	232.7	242.7	230.4	248.0	261.8	273.1	254.6	274.0	289.3	301.7
	Lo PR	60.13	63.97	69.83	74.37	63.52	67.58	73.78	78.57	66.02	70.24	76.68	81.66	69.35	73.78	80.54	85.78	72.68	77.32	84	89.90	75.17	79.98	87.31	92.99

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 — GSH130483A* / ARUF61-00*-1* / ARUF48601A* (CONT.)

IDB		OUTDOOR AMBIENT TEMPERATURE										ENTERING INDOOR WET BULB TEMPERATURE																			
		65°F					75°F					85°F					95°F					105°F					115°F				
		59	63	67	71		59	63	67	71		59	63	67	71		59	63	67	71		59	63	67	71		59	63	67	71	
80	AIRFLOW	MBh	45.64	46.64	49.83	53.26	44.58	45.55	48.67	52.03	43.52	44.47	47.51	50.79	42.46	43.38	46.35	49.55	40.33	41.21	44.03	47.07	37.36	38.18	40.79	43.60	37.36	38.18	40.79	43.60	
		S/T	0.95	0.89	0.72	0.54	1	0.92	0.75	0.56	1	0.94	0.77	0.57	1	1	0.79	0.59	1	1	0.82	0.61	1	1	0.83	0.62	1	1	0.83	0.62	
	ΔT	22	21	18	15	23	21	19	15	22	21	19	15	22	22	19	15	21	21	18	15	19	19	17	14	19	19	17	14		
	kW	3.15	3.22	3.32	3.42	3.39	3.46	3.58	3.69	3.60	3.68	3.80	3.93	3.79	3.87	4.00	4.13	3.95	4.04	4.17	4.31	4.09	4.18	4.32	4.46	4.09	4.18	4.32	4.46		
	Amps	10.17	10.40	10.73	11.12	10.96	11.22	11.58	12.00	11.88	12.16	12.56	13.02	12.68	12.98	13.40	13.90	13.47	13.79	14.25	14.78	14.26	14.60	15.08	15.65	14.26	14.60	15.08	15.65		
	Hi PR	148.2	159.5	168.4	175.7	166.3	179.0	189.0	197.1	189.1	203.5	214.9	224.2	215.4	231.8	244.8	255.3	242.3	260.8	275.4	287.2	267.8	288.1	304.3	317.3	267.8	288.1	304.3	317.3		
	Lo PR	63.24	67.28	73.45	78.22	66.81	71.08	77.60	82.64	69.44	73.87	80.65	85.89	72.94	77.60	84.71	90.22	76.44	81.32	88.78	94.55	79.06	84.12	91.83	97.80	79.06	84.12	91.83	97.80		
	MBh	44.31	45.28	48.38	51.71	43.28	44.23	47.25	50.51	42.25	43.17	46.13	49.31	41.22	42.12	45.00	48.11	39.16	40.01	42.75	45.70	36.27	37.07	39.60	42.33	36.27	37.07	39.60	42.33		
	S/T	0.90	0.85	0.69	0.51	1	0.88	0.71	0.53	1	0.90	0.73	0.55	1	1	0.76	0.56	1	1	0.78	0.59	1	1	0.79	0.59	1	1	0.79	0.59		
	ΔT	23	22	19	15	23	22	19	15	23	22	19	16	23	22	20	16	23	22	19	15	21	21	18	14	21	21	18	14		
	kW	3.13	3.19	3.29	3.40	3	3.44	3.55	3.66	4	3.65	3.77	3.89	4	4	3.97	4.10	4	4	4.14	4.27	4	4	4.28	4.43	4	4	4.28	4.43		
	Amps	10.08	10.31	10.64	11.02	11	11.12	11.47	11.89	12	12.05	12.44	12.90	13	13	13.28	13.77	13	14	14.12	14.64	14	14	14.95	15.50	14	14	14.95	15.50		
	Hi PR	146.7	157.9	166.7	173.9	164.6	177.2	187.1	195.1	187.3	201.5	212.8	221.9	213.3	229.5	242.4	252.8	239.9	258.2	272.7	284.4	265.1	285.3	301.3	314.2	265.1	285.3	301.3	314.2		
	Lo PR	62.61	66.61	72.72	77.45	66.15	70.37	76.83	81.82	68.75	73.14	79.85	85.04	72.22	76.83	83.87	89.33	75.68	80.52	87.90	93.61	78.28	83.28	90.92	96.83	78.28	83.28	90.92	96.83		
1400	MBh	40.90	41.79	44.65	47.73	39.95	40.82	43.61	46.62	39.00	39.85	42.57	45.51	38.05	38.88	41.54	44.40	36.14	36.93	39.46	42.18	33.48	34.21	36.55	39.07	33.48	34.21	36.55	39.07		
	S/T	0.87	0.82	0.66	0.50	1	0.85	0.69	0.51	1	0.87	0.71	0.53	1	1	0.73	0.54	1	1	0.76	0.57	1	1	0.76	0.57	1	1	0.76	0.57		
	ΔT	23	22	19	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	18	15	22	21	18	15		
	kW	3.05	3.12	3.21	3.32	3	3.35	3.46	3.57	3	3.56	3.68	3.80	4	4	3.87	4.00	4	4	4.03	4.17	4	4	4.17	4.31	4	4	4.17	4.31		
	Amps	9.81	10.04	10.36	10.73	11	10.83	11.17	11.57	11	11.73	12.11	12.55	12	13	12.92	13.40	13	13	13.74	14.24	14	14	14.54	15.08	14	14	14.54	15.08		
Hi PR	142.3	153.2	161.7	168.7	159.7	171.9	181.5	189.3	181.6	195.5	206.4	215.3	206.9	222.6	235.1	245.2	232.7	250.5	264.5	275.8	257.1	276.7	292.2	304.8	257.1	276.7	292.2	304.8			
Lo PR	60.73	64.61	70.54	75.12	64.16	68.26	74.52	79.37	66.69	70.95	77.45	82.49	70.05	74.52	81.36	86.65	73.41	78.10	85.26	90.81	75.93	80.78	88.19	93.92	75.93	80.78	88.19	93.92			

1800	MBh	46.44	47.34	49.58	52.89	45.36	46.24	48.42	51.66	44.28	45.14	47.27	50.43	43.20	44.03	46.12	49.20	41.04	41.83	43.81	46.74	38.01	38.75	40.58	43.30
	S/T	0.99	0.96	0.86	0.70	1	0.99	0.90	0.73	1	1.00	0.92	0.74	1	1	0.95	0.77	1	1	0.98	0.80	1	1	0.99	0.80
	ΔT	24	23	22	19	23	23	22	19	23	23	22	19	22	22	22	19	21	21	22	19	19	20	21	18
	kW	3.18	3.24	3.35	3.45	3	3.49	3.60	3.72	4	3.71	3.83	3.96	4	4	4.03	4.17	4	4	4.21	4.35	4	4	4.35	4.50
	Amps	10.25	10.49	10.82	11.21	11	11.32	11.68	12.10	12	12.27	12.67	13.13	13	13	13.52	14.02	14	14	14.38	14.91	14	15	15.22	15.79
	Hi PR	149.7	161.1	170.1	177.4	168.0	180.7	190.9	199.1	191.0	205.6	217.1	226.4	217.6	234.1	247.2	257.9	244.8	263.4	278.1	290.1	270.4	291.0	307.3	320.5
	Lo PR	63.87	67.95	74.18	79.00	67.48	71.79	78.37	83.47	70.13	74.61	81.45	86.75	73.67	78.37	85.56	91.12	77.20	82.13	89.67	95.50	79.86	84.96	92.75	98.78
	MBh	45.09	45.96	48.13	51.35	44.04	44.89	47.01	50.16	42.99	43.82	45.89	48.96	41.94	42.75	44.78	47.77	39.84	40.61	42.54	45.38	36.91	37.62	39.40	42.04
1600	S/T	0.95	0.91	0.82	0.67	1	0.95	0.85	0.69	1	0.97	0.88	0.71	1	1	0.90	0.73	1	1	0.94	0.76	1	1	0.95	0.77
	ΔT	25	24	23	20	25	24	23	20	25	24	23	20	24	25	23	20	23	23	23	20	21	22	21	19
	kW	3.15	3.22	3.32	3.42	3	3.46	3.58	3.69	4	3.68	3.80	3.93	4	4	4.00	4.13	4	4	4.17	4.31	4	4	4.32	4.46
	Amps	10.17	10.40	10.73	11.12	11	11.22	11.58	12.00	12	12.16	12.56	13.02	13	13	13.40	13.90	13	14	14.25	14.78	14	15	15.08	15.65
	Hi PR	148.2	159.5	168.4	175.7	166.3	179.0	189.0	197.1	189.1	203.5	214.9	224.2	215.4	231.8	244.8	255.3	242.3	260.8	275.4	287.2	267.8	288.1	304.3	317.3
	Lo PR	63.24	67.28	73.45	78.22	66.81	71.08	77.60	82.64	69.44	73.87	80.65	85.89	72.94	77.60	84.71	90.22	76.44	81.32	88.78	94.55	79.06	84.12	91.83	97.80
	MBh	41.61	42.42	44.43	47.40	40.65	41.43	43.39	46.29	39.68	40.45	42.36	45.19	38.71	39.46	41.33	44.09	36.78	37.49	39.26	41.89	34.07	34.72	36.37	38.80
	S/T	0.91	0.88	0.79	0.64	1	0.91	0.82	0.67	1	0.94	0.84	0.68	1	1	0.87	0.71	1	1	0.90	0.73	1	1	0.91	0.74
1400	ΔT	25	25	23	20	25	25	23	20	25	25	23	20	25	25	24	20	24	25	23	20	22	23	22	19
	kW	3.08	3.14	3.24	3.34	3	3.38	3.49	3.60	4	3.59	3.71	3.83	4	4	3.90	4.03	4	4	4.07	4.20	4	4	4.21	4.35
	Amps	9.90	10.13	10.45	10.82	11	10.92	11.27	11.68	12	11.84	12.22	12.67	12	13	13.04	13.52	13	13	13.86	14.37	14	14	14.67	15.22
	Hi PR	143.8	154.7	163.4	170.4	161.3	173.6	183.3	191.2	183.5	197.4	208.5	217.4	208.9	224.9	237.4	247.7	235.1	253.0	267.1	278.6	259.7	279.5	295.1	307.8
	Lo PR	61.34	65.26	71.24	75.87	64.81	68.95	75.27	80.16	67.35	71.66	78.23	83.31	70.75	75.27	82.17	87.51	74.15	78.88	86.12	92.71	76.69	81.59	89.07	94.86

EXPANDED COOLING DATA — GSH130484A* / AR*F486016B*

		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	42.6	44.2	48.4	-	41.6	43.2	47.3	-	40.7	42.1	46.2	-	39.7	41.1	45.0	-	37.7	39.1	42.8	-	34.9	36.2	39.6	-
	S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.61	0.43	-	0.76	0.63	0.44	-	0.79	0.66	0.46	-	0.80	0.66	0.46	-
	ΔT	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-
	kW	3.96	3.96	3.96	-	3.96	3.96	3.96	-	3.96	3.96	3.96	-	3.96	3.96	3.96	-	3.96	3.96	3.96	-	3.96	3.96	3.96	-
	Amps	7.5	7.5	7.5	-	7.5	7.5	7.5	-	7.5	7.5	7.5	-	7.5	7.5	7.5	-	7.5	7.5	7.5	-	7.5	7.5	7.5	-
	Hi PR	141	152	161	-	159	171	180	-	180	194	205	-	205	221	233	-	231	249	263	-	255	275	290	-
	Lo PR	63	67	74	-	67	71	78	-	70	74	81	-	73	78	85	-	77	82	89	-	79	84	92	-
	MBh	43.3	44.9	49.2	-	42.3	43.8	48.0	-	41.3	42.8	46.9	-	40.3	41.7	45.7	-	38.3	39.6	43.4	-	35.4	36.7	40.2	-
	S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-
1635	ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-
	kW	3.96	3.96	3.96	-	3.96	3.96	3.96	-	3.96	3.96	3.96	-	3.96	3.96	3.96	-	3.96	3.96	3.96	-	3.96	3.96	3.96	-
	Amps	7.5	7.5	7.5	-	7.5	7.5	7.5	-	7.5	7.5	7.5	-	7.5	7.5	7.5	-	7.5	7.5	7.5	-	7.5	7.5	7.5	-
	Hi PR	144	155	163	-	161	174	183	-	183	197	208	-	209	225	237	-	235	253	267	-	260	280	295	-
	Lo PR	65	69	75	-	68	73	79	-	71	75	82	-	74	79	86	-	78	83	91	-	81	86	94	-
	MBh	43.3	44.9	49.2	-	42.3	43.8	48.0	-	41.3	42.8	46.9	-	40.3	41.7	45.7	-	38.3	39.6	43.4	-	35.4	36.7	40.2	-
	S/T	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.82	0.68	0.47	-	0.82	0.69	0.48	-
	ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-	16	14	11	-
	kW	3.96	3.96	3.96	-	3.96	3.96	3.96	-	3.96	3.96	3.96	-	3.96	3.96	3.96	-	3.96	3.96	3.96	-	3.96	3.96	3.96	-
1650	Amps	7.5	7.5	7.5	-	7.5	7.5	7.5	-	7.5	7.5	7.5	-	7.5	7.5	7.5	-	7.5	7.5	7.5	-	7.5	7.5	7.5	-
	Hi PR	144	155	163	-	161	174	183	-	183	197	208	-	209	225	237	-	235	253	267	-	260	280	295	-
	Lo PR	65	69	75	-	68	73	79	-	71	75	82	-	74	79	86	-	78	83	91	-	81	86	94	-

75	MBh	43.4	44.6	48.3	51.9	42.4	43.6	47.2	50.7	41.3	42.6	46.1	49.5	40.3	41.5	45.0	48.2	38.3	39.5	42.7	45.8	35.5	36.5	39.6	42.5	35.5	36.5	39.6	42.5	35.5	36.5	39.6	42.5
	S/T	0.79	0.70	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.36	0.86	0.77	0.58	0.38	0.90	0.80	0.61	0.39	0.90	0.81	0.61	0.39	0.90	0.81	0.61	0.39	0.90	0.81	0.61	0.39
	ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10	19	18	15	10	19	18	15	10
	kW	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96
	Amps	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Hi PR	143	154	162	169	160	172	182	190	182	196	207	216	208	223	236	246	233	251	265	277	258	278	293	306	258	278	293	306	258	278	293	306
	Lo PR	64	68	74	79	68	72	79	84	70	75	82	87	74	79	86	91	77	82	90	96	80	85	93	99	80	85	93	99	80	85	93	99
	MBh	44.0	45.3	49.1	52.7	43.0	44.3	47.9	51.4	42.0	43.2	46.8	50.2	41.0	42.2	45.6	49.0	38.9	40.1	43.4	46.5	36.0	37.1	40.2	43.1	36.0	37.1	40.2	43.1	36.0	37.1	40.2	43.1
	S/T	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.80	0.61	0.39	0.93	0.83	0.63	0.40	0.94	0.84	0.63	0.41	0.94	0.84	0.63	0.41	0.94	0.84	0.63	0.41
	ΔT	20	19	15	11	20	19	15	11	20	19	15	11	21	19	16	11	20	19	15	11	19	17	14	10	19	17	14	10	19	17	14	10
	kW	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96
	Amps	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Hi PR	145	156	165	172	163	175	185	193	185	199	211	220	211	227	240	250	237	256	270	281	262	282	298	311	262	282	298	311	262	282	298	311
	Lo PR	65	69	76	81	69	73	80	85	72	76	83	89	75	80	87	93	79	84	92	97	81	87	95	101	81	87	95	101	81	87	95	101

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 — GSH130484A* / AR*F486016B* (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																							
		65°F				75°F				85°F				95°F				105°F				115°F			
		ENTERING INDOOR WET BULB TEMPERATURE																							
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71
80	MBh	44.1	45.1	48.2	51.5	43.1	44.0	47.1	50.3	42.1	43.0	45.9	49.1	41.1	41.9	44.8	47.9	39.0	39.9	42.6	45.5	36.1	36.9	39.4	42.2
	S/T	0.86	0.81	0.66	0.49	0.90	0.84	0.68	0.51	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.76	0.57
	ΔT	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	16	23	22	19	15	21	21	18	14
	kW	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96
	Amps	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	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	65	69	75	80	68	73	79	85	71	76	83	88	75	79	87	92	78	83	91	97	81	86	94	100
	MBh	44.8	45.8	48.9	52.3	43.8	44.7	47.8	51.1	42.7	43.7	46.6	49.9	41.7	42.6	45.5	48.6	39.6	40.5	43.2	46.2	36.7	37.5	40.0	42.8
	S/T	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.59
	ΔT	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	22	19	15	21	20	18	14
1635	kW	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96
	Amps	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Hi PR	147	158	167	174	165	177	187	195	187	201	213	222	213	229	242	253	240	258	273	284	265	285	301	314
	Lo PR	66	70	76	81	70	74	81	86	72	77	84	89	76	81	88	94	80	85	92	98	82	88	96	102
	MBh	44.8	45.8	48.9	52.3	43.8	44.7	47.8	51.1	42.7	43.7	46.6	49.9	41.7	42.6	45.5	48.6	39.6	40.5	43.2	46.2	36.7	37.5	40.0	42.8
	S/T	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.59
	ΔT	22	21	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	22	19	15	20	20	18	14
	kW	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96
	Amps	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Hi PR	147	158	167	174	165	177	187	195	187	201	213	222	213	229	242	253	240	258	273	284	265	285	301	314
1650	Lo PR	66	70	76	81	70	74	81	86	72	77	84	89	76	81	88	94	80	85	92	98	82	88	96	102
	MBh	44.8	45.8	48.9	52.3	43.8	44.7	47.8	51.1	42.7	43.7	46.6	49.9	41.7	42.6	45.5	48.6	39.6	40.5	43.2	46.2	36.7	37.5	40.0	42.8
	S/T	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.95	0.89	0.73	0.54	0.98	0.92	0.75	0.56	1.00	0.96	0.78	0.58	1.00	0.96	0.78	0.59
	ΔT	22	21	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	22	19	15	20	20	18	14
	kW	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96
	Amps	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Hi PR	147	158	167	174	165	177	187	195	187	201	213	222	213	229	242	253	240	258	273	284	265	285	301	314
	Lo PR	66	70	76	81	70	74	81	86	72	77	84	89	76	81	88	94	80	85	92	98	82	88	96	102

1533	MBh	44.9	45.8	47.9	51.1	43.9	44.7	46.8	50.0	42.8	43.6	45.7	48.8	41.8	42.6	44.6	47.6	39.7	40.4	42.4	45.2	36.8	37.5	39.2	41.9
	S/T	0.91	0.87	0.79	0.64	0.94	0.91	0.82	0.66	0.96	0.93	0.84	0.68	0.99	0.96	0.87	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.91	0.73
	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	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96
	Amps	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	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	65	70	76	81	69	73	80	85	72	76	83	89	75	80	88	93	79	84	92	98	82	87	95	101
1635	MBh	45.6	46.5	48.7	51.9	44.5	45.4	47.5	50.7	43.5	44.3	46.4	49.5	42.4	43.2	45.3	48.3	40.3	41.1	43.0	45.9	37.3	38.0	39.8	42.5
	S/T	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.71	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76
	ΔT	24	24	22	19	24	24	23	20	24	24	23	20	24	24	23	20	23	23	23	19	21	21	21	18
	kW	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96
	Amps	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Hi PR	148	159	168	176	166	179	189	197	189	203	215	224	215	232	245	255	242	261	275	287	268	288	304	317
	Lo PR	66	71	77	82	70	75	82	87	73	78	85	90	77	82	89	95	80	86	93	99	83	88	97	103
1650	MBh	45.6	46.5	48.7	51.9	44.5	45.4	47.5	50.7	43.5	44.3	46.4	49.5	42.4	43.2	45.3	48.3	40.3	41.1	43.0	45.9	37.3	38.0	39.8	42.5
	S/T	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	1.00	0.96	0.87	0.71	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.76	1.00	1.00	0.94	0.76
	ΔT	24	23	22	19	24	24	22	19	24	24	22	19	24	24	23	20	22	23	22	19	21	21	21	18
	kW	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.96
	Amps	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Hi PR	148	159	168	176	166	179	189	197	189	203	215	224	215	232	245	255	242	261	275	287	268	288	304	317
	Lo PR	66	71	77	82	70	75	82	87	73	78	85	90	77	82	89	95	80	86	93	99	83	88	97	103

EXPANDED COOLING DATA — GSH130603A* / ARUF61-00*-1* / ARUF48601A*

		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	54.4	56.4	61.8	-	53.1	55.1	60.3	-	51.9	53.7	58.9	-	50.6	52.4	57.5	-	48.1	49.8	54.6	-	44.5	46.1	50.6	-
	S/T	0.72	0.60	0.42	-	0.75	0.63	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.82	0.69	0.48	-	0.83	0.69	0.48	-
	ΔT	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
	kW	4.03	4.12	4.25	-	4.35	4.45	4.60	-	4.64	4.74	4.90	-	4.89	5.00	5.17	-	5.10	5.22	5.39	-	5.28	5.40	5.59	-
	Amps	13.0	13.3	13.8	-	14.1	14.4	14.9	-	15.3	15.7	16.2	-	16.3	16.7	17.3	-	17.4	17.8	18.4	-	18.4	18.9	19.5	-
	Hi PR	146	157	166	-	164	176	186	-	186	200	211	-	212	228	241	-	238	257	271	-	263	283	299	-
	Lo PR	57	61	66	-	60	64	70	-	63	67	73	-	66	70	76	-	69	73	80	-	71	76	83	-
	MBh	52.8	54.7	60.0	-	51.6	53.5	58.6	-	50.3	52.2	57.2	-	49.1	50.9	55.8	-	46.7	48.4	53.0	-	43.2	44.8	49.1	-
	S/T	0.69	0.58	0.40	-	0.72	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	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-
	kW	4.00	4.09	4.22	-	4.32	4.41	4.56	-	4.60	4.70	4.86	-	4.84	4.96	5.12	-	5.06	5.17	5.35	-	5.24	5.36	5.54	-
1575	Amps	12.9	13.2	13.7	-	14.0	14.3	14.8	-	15.1	15.5	16.0	-	16.2	16.6	17.1	-	17.2	17.6	18.2	-	18.2	18.7	19.3	-
	Hi PR	144	155	164	-	162	174	184	-	184	198	209	-	210	226	238	-	236	254	268	-	261	281	296	-
	Lo PR	57	60	66	-	60	64	69	-	62	66	72	-	65	69	76	-	68	73	79	-	71	75	82	-
	MBh	48.7	50.5	55.3	-	47.6	49.3	54.1	-	46.5	48.2	52.8	-	45.3	47.0	51.5	-	43.1	44.6	48.9	-	39.9	41.4	45.3	-
	S/T	0.67	0.56	0.39	-	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	16	12	-	19	17	13	-	19	17	13	-	19	17	13	-	19	16	13	-	18	15	12	-
	kW	3.90	3.99	4.12	-	4.21	4.30	4.44	-	4.48	4.58	4.73	-	4.72	4.83	4.99	-	4.93	5.04	5.21	-	5.10	5.22	5.40	-
	Amps	12.6	12.9	13.3	-	13.6	13.9	14.4	-	14.7	15.1	15.6	-	15.7	16.1	16.7	-	16.7	17.1	17.7	-	17.7	18.2	18.8	-
	Hi PR	140	151	159	-	157	169	179	-	179	192	203	-	204	219	231	-	229	246	260	-	253	272	287	-
	Lo PR	55	58	64	-	58	62	67	-	60	64	70	-	63	67	73	-	66	70	77	-	69	73	80	-

2025	MBh	55.31	56.94	61.64	66.15	54.02	55.62	60.20	64.61	52.73	54.30	58.77	63.08	51.45	52.97	57.34	61.54	48.88	50.32	54.47	58.46	45.27	46.61	50.46	54.15
	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	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10
	kW	4.07	4.16	4.29	4.43	4.39	4.49	4.64	4.79	4.68	4.78	4.94	5.11	4.93	5.04	5.21	5.39	5.14	5.26	5.44	5.63	5.33	5.45	5.64	5.83
	Amps	13.2	13.5	13.9	14.4	14.2	14.5	15.0	15.6	15.4	15.8	16.3	16.9	16.5	16.9	17.4	18.1	17.5	18.0	18.6	19.3	18.6	19.0	19.7	20.4
	Hi PR	147	159	167	175	165	178	188	196	188	202	214	223	214	230	243	254	241	259	274	285	266	286	302	315
	Lo PR	58	61	67	71	61	65	71	75	63	67	74	78	67	71	77	82	70	74	81	86	72	77	84	89
	MBh	53.7	55.3	59.8	64.2	52.4	54.0	58.4	62.7	51.2	52.7	57.1	61.2	50.0	51.4	55.7	59.7	47.5	48.9	52.9	56.8	44.0	45.3	49.0	52.6
	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	16	11	22	20	16	11	22	20	16	11	22	20	17	11	22	20	16	11	20	19	15	11
	kW	4.03	4.12	4.26	4.40	4.35	4.45	4.60	4.75	4.64	4.74	4.90	5.07	4.89	5.00	5.17	5.35	5.10	5.22	5.39	5.58	5.28	5.40	5.59	5.78
75	Amps	13.0	13.3	13.8	14.3	14.1	14.4	14.9	15.4	15.3	15.7	16.2	16.8	16.3	16.7	17.3	17.9	17.4	17.8	18.4	19.1	18.4	18.9	19.5	20.2
	Hi PR	146	157	166	173	164	176	186	194	186	200	211	221	212	228	241	251	238	257	271	283	263	284	299	312
	Lo PR	57	61	66	71	60	64	70	75	63	67	73	78	66	70	76	81	69	73	80	85	71	76	83	88
	MBh	49.6	51.0	55.2	59.3	48.4	49.8	53.9	57.9	47.3	48.7	52.7	56.5	46.1	47.47	51.4	55.1	43.8	45.1	48.8	52.4	40.6	41.8	45.2	48.5
	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	0.38	0.87	0.78	0.59	0.38
	ΔT	22	20	17	11	22	20	17	12	22	20	17	12	22	21	17	12	22	20	17	11	21	19	16	11
	kW	3.93	4.02	4.15	4.29	4.24	4.34	4.48	4.63	4.52	4.62	4.78	4.94	4.76	4.87	5.03	5.21	4.97	5.08	5.25	5.44	5.15	5.26	5.44	5.63
	Amps	12.7	13.0	13.4	13.9	13.7	14.0	14.5	15.0	14.9	15.2	15.7	16.3	15.9	16.3	16.8	17.4	16.9	17.3	17.9	18.6	17.9	18.3	18.9	19.7
	Hi PR	141	152	161	168	159	171	180	188	181	194	205	214	206	221	234	244	231	249	263	274	256	275	290	303
	Lo PR	55	59	64	68	59	62	68	72	61	65	71	75	64	68	74	79	67	71	78	83	69	74	80	86

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 — GSH130603A* / ARUF61-00*-1* / ARUF48601A* (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																																															
		65°F								75°F								85°F								95°F								105°F								115°F							
		ENTERING INDOOR WET BULB TEMPERATURE																																															
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																				
80	MBh	56.29	57.52	61.45	65.69	54.98	56.18	60.02	64.16	53.67	54.84	58.59	62.64	52.36	53.51	57.17	61.11	49.74	50.83	54.31	58.05	46.08	47.09	50.31	53.78																								
	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	1.00	0.93	0.76	0.56	1.00	0.96	0.78	0.59	1.00	1.00	0.79	0.59																								
	ΔT	23	22	19	15	23	22	19	16	23	22	19	16	24	23	20	16	23	22	19	15	21	21	18	14																								
	kW	4.10	4.19	4.33	4.47	4.43	4.53	4.68	4.83	4.72	4.82	4.98	5.16	4.97	5.08	5.26	5.44	5.19	5.31	5.49	5.68	5.38	5.50	5.69	5.89																								
	Amps	13.3	13.6	14.0	14.5	14.3	14.7	15.2	15.7	15.6	15.9	16.5	17.1	16.6	17.0	17.6	18.3	17.7	18.1	18.7	19.4	18.8	19.2	19.9	20.6																								
	Hi PR	149	160	169	176	167	180	190	198	190	204	216	225	216	233	246	256	243	262	276	288	269	289	305	319																								
	Lo PR	58	62	68	72	62	65	71	76	64	68	74	79	67	71	78	83	70	75	82	87	73	77	85	90																								
	MBh	54.7	55.8	59.7	63.8	53.4	54.5	58.3	62.3	52.1	53.2	56.9	60.8	50.8	51.9	55.5	59.3	48.3	49.4	52.7	56.4	44.7	45.7	48.8	52.2																								
	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	0.89	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.75	0.56																								
	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	25	23	20	16	24	23	20	16	23	22	19	15																								
	kW	4.07	4.16	4.29	4.43	4.39	4.49	4.64	4.79	4.68	4.78	4.94	5.11	4.93	5.04	5.21	5.39	5.14	5.26	5.44	5.63	5.33	5.45	5.64	5.84																								
Amps	13.2	13.5	13.9	14.4	14.2	14.5	15.0	15.6	15.4	15.8	16.3	16.9	16.5	16.9	17.4	18.1	17.5	18.0	18.6	19.3	18.6	19.0	19.7	20.4																									
Hi PR	147	159	167	175	165	178	188	196	188	202	214	223	214	230	243	254	241	259	274	285	266	286	302	315																									
Lo PR	58	61	67	71	61	65	71	75	63	67	74	78	67	71	77	82	70	74	81	86	72	77	84	89																									
1575	MBh	50.4	51.5	55.1	58.9	49.3	50.3	53.8	57.5	48.1	49.1	52.5	56.1	46.9	47.9	51.2	54.8	44.6	45.6	48.7	52.0	41.3	42.2	45.1	48.2																								
	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	24	23	20	16	25	24	21	16	25	24	21	16	25	24	21	17	25	24	20	16	23	22	19	15																								
	kW	3.97	4.05	4.18	4.32	4.28	4.38	4.52	4.67	4.56	4.66	4.82	4.98	4.80	4.91	5.08	5.25	5.01	5.13	5.30	5.48	5.19	5.31	5.49	5.68																								
	Amps	12.8	13.1	13.5	14.0	13.8	14.2	14.6	15.2	15.0	15.4	15.9	16.5	16.0	16.4	17.0	17.6	17.1	17.5	18.1	18.7	18.1	18.5	19.1	19.9																								
	Hi PR	143	154	162	169	160	173	182	190	182	196	207	216	208	223	236	246	234	251	266	277	258	278	293	306																								
	Lo PR	56	60	65	69	59	63	69	73	61	65	71	76	65	69	75	80	68	72	79	84	70	74	81	87																								

2025	MBh	57.27	58.38	61.15	65.23	55.94	57.02	59.72	63.72	54.61	55.67	58.30	62.20	53.28	54.31	56.88	60.68	50.61	51.59	54.04	57.65	46.88	47.79	50.05	53.40
	S/T	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.95	0.77
	ΔT	25	24	23	20	25	24	23	20	25	25	23	20	24	25	23	20	23	23	23	20	21	22	21	19
	kW	4.13	4.22	4.36	4.51	4.46	4.56	4.72	4.88	4.76	4.86	5.03	5.20	5.01	5.13	5.30	5.49	5.23	5.35	5.54	5.73	5.42	5.55	5.74	5.94
	Amps	13.4	13.7	14.2	14.7	14.5	14.8	15.3	15.9	15.7	16.1	16.6	17.2	16.8	17.2	17.8	18.4	17.9	18.3	18.9	19.6	18.9	19.4	20.0	20.8
	Hi PR	150	162	171	178	169	181	192	200	192	206	218	227	218	235	248	259	246	264	279	291	271	292	309	322
	Lo PR	59	63	68	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	78	85	91
	MBh	55.6	56.7	59.4	63.3	54.3	55.4	58.0	61.9	53.0	54.0	56.6	60.4	51.7	52.7	55.2	58.9	49.1	50.1	52.5	56.0	45.5	46.4	48.6	51.8
	S/T	0.90	0.87	0.79	0.64	0.94	0.90	0.81	0.66	0.96	0.93	0.84	0.68	0.99	0.96	0.86	0.70	1.00	0.99	0.89	0.73	1.00	1.00	0.90	0.73
	ΔT	26	25	24	21	26	26	24	21	26	26	24	21	26	26	24	21	25	25	24	21	23	24	22	19
1800	kW	4.10	4.19	4.33	4.47	4.43	4.53	4.68	4.83	4.72	4.82	4.98	5.16	4.97	5.08	5.26	5.44	5.19	5.31	5.49	5.68	5.38	5.50	5.69	5.89
	Amps	13.3	13.6	14.0	14.5	14.3	14.7	15.2	15.7	15.6	15.9	16.5	17.1	16.6	17.0	17.6	18.3	17.7	18.1	18.7	19.4	18.8	19.2	19.9	20.6
	Hi PR	149	160	169	176	167	180	190	198	190	204	216	225	216	233	246	256	243	262	276	288	269	289	305	319
	Lo PR	58	62	68	72	62	65	71	76	64	68	74	79	67	71	78	83	70	75	82	87	73	77	85	90
	MBh	51.3	52.3	54.8	58.5	50.1	51.1	53.5	57.1	48.9	49.9	52.2	55.7	47.7	48.7	51.0	54.4	45.4	46.2	48.4	51.7	42.0	42.8	44.9	47.9
	S/T	0.87	0.84	0.76	0.61	0.90	0.87	0.79	0.64	0.92	0.89	0.81	0.65	0.95	0.92	0.83	0.67	0.99	0.96	0.86	0.70	1.00	0.96	0.87	0.71
	ΔT	26	26	24	21	26	26	25	21	26	26	25	21	27	26	25	21	26	26	24	21	24	24	23	20
	kW	4.00	4.09	4.22	4.36	4.32	4.41	4.56	4.71	4.60	4.70	4.86	5.02	4.84	4.95	5.12	5.30	5.05	5.17	5.35	5.53	5.24	5.36	5.54	5.73
	Amps	12.9	13.2	13.6	14.1	13.9	14.3	14.7	15.3	15.1	15.5	16.0	16.6	16.2	16.6	17.1	17.8	17.2	17.6	18.2	18.9	18.2	18.7	19.3	20.0
	Hi PR	144	155	164	171	162	174	184	192	184	198	209	218	210	226	238	249	236	254	268	280	261	281	296	309
Lo PR	56	60	66	70	60	64	69	74	62	66	72	77	65	69	76	81	68	73	79	84	71	75	82	87	

EXPANDED COOLING DATA — GSH130604A* / AR*F486016B*

		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	1800	MBh	52.3	54.2	59.4	-	51.1	52.9	58.0	-	49.8	51.7	56.6	-	48.6	50.4	55.2	-	46.2	47.9	52.5	-	42.8	44.4	48.6	-											
		S/T	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-											
		ΔT	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	18	15	12	-											
		kW	4.94	4.94	4.94	-	4.94	4.94	4.94	-	4.94	4.94	4.94	-	4.94	4.94	4.94	-	4.94	4.94	4.94	-	4.94	4.94	4.94	-											
		Amps	8.8	8.8	8.8	-	8.8	8.8	8.8	-	8.8	8.8	8.8	-	8.8	8.8	8.8	-	8.8	8.8	8.8	-	8.8	8.8	8.8	-											
		HI PR	146	157	166	-	164	176	186	-	186	200	212	-	212	228	241	-	239	257	271	-	264	284	299	-											
		LO PR	59	63	68	-	62	66	72	-	65	69	75	-	68	72	79	-	71	76	83	-	74	78	85	-											
		MBh	52.8	54.7	60.0	-	51.6	53.5	58.6	-	50.3	52.2	57.2	-	49.1	50.9	55.8	-	46.7	48.4	53.0	-	43.2	44.8	49.1	-											
		S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.81	0.68	0.47	-											
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-											
70	1883	kW	4.94	4.94	4.94	-	4.94	4.94	4.94	-	4.94	4.94	4.94	-	4.94	4.94	4.94	-	4.94	4.94	4.94	-	4.94	4.94	4.94	-											
		Amps	8.8	8.8	8.8	-	8.8	8.8	8.8	-	8.8	8.8	8.8	-	8.8	8.8	8.8	-	8.8	8.8	8.8	-	8.8	8.8	8.8	-											
		HI PR	148	159	168	-	166	178	188	-	189	203	214	-	215	231	244	-	242	260	275	-	267	287	303	-											
		LO PR	60	63	69	-	63	67	73	-	65	70	76	-	69	73	80	-	72	77	84	-	75	79	87	-											
		MBh	52.8	54.7	60.0	-	51.6	53.5	58.6	-	50.3	52.2	57.2	-	49.1	50.9	55.8	-	46.7	48.4	53.0	-	43.2	44.8	49.1	-											
		S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.81	0.68	0.47	-											
		ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-											
		kW	4.94	4.94	4.94	-	4.94	4.94	4.94	-	4.94	4.94	4.94	-	4.94	4.94	4.94	-	4.94	4.94	4.94	-	4.94	4.94	4.94	-											
		Amps	8.8	8.8	8.8	-	8.8	8.8	8.8	-	8.8	8.8	8.8	-	8.8	8.8	8.8	-	8.8	8.8	8.8	-	8.8	8.8	8.8	-											
		HI PR	148	159	168	-	166	178	188	-	189	203	214	-	215	231	244	-	242	260	275	-	267	287	303	-											
75	1800	LO PR	60	63	69	-	63	67	73	-	65	70	76	-	69	73	80	-	72	77	84	-	75	79	87	-											
		MBh	53.2	54.7	59.2	63.6	51.9	53.5	57.9	62.1	50.7	52.2	56.5	60.6	49.5	50.9	55.1	59.1	47.0	48.4	52.4	56.2	43.5	44.8	48.5	52.0											
		S/T	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.81	0.62	0.40											
		ΔT	22	20	16	11	22	20	16	11	22	20	16	11	22	20	17	11	22	20	16	11	20	19	15	11											
		kW	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94											
		Amps	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8											
		HI PR	147	159	167	175	165	178	188	196	188	202	214	223	214	231	243	254	241	259	274	286	266	287	303	316											
		LO PR	59	63	69	74	63	67	73	78	65	69	76	81	69	73	80	85	72	76	83	89	74	79	86	92											
		MBh	53.7	55.3	59.8	64.2	52.4	54.0	58.4	62.7	51.2	52.7	57.1	61.2	50.0	51.4	55.7	59.7	47.5	48.9	52.9	56.8	44.0	45.3	49.0	52.6											
		S/T	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.82	0.62	0.40	0.92	0.82	0.62	0.40											
75	1883	ΔT	21	19	16	11	21	20	16	11	21	20	16	11	21	20	16	11	21	19	16	11	20	18	15	10											
		kW	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94												
		Amps	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8												
		HI PR	149	161	170	177	168	180	190	199	191	205	217	226	217	234	247	257	244	263	277	289	270	290	307	320											
		LO PR	60	64	70	75	64	68	74	79	66	70	77	82	69	74	81	86	73	77	85	90	75	80	87	93											
		MBh	53.7	55.3	59.8	64.2	52.4	54.0	58.4	62.7	51.2	52.7	57.1	61.2	50.0	51.4	55.7	59.7	47.5	48.9	52.9	56.8	44.0	45.3	49.0	52.6											
		S/T	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.82	0.62	0.40	0.92	0.82	0.62	0.40											
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10											
		kW	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94											
		Amps	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8											
75	1900	HI PR	149	161	170	177	168	180	190	199	191	205	217	226	217	234	247	257	244	263	277	289	270	290	307	320											
		LO PR	60	64	70	75	64	68	74	79	66	70	77	82	69	74	81	86	73	77	85	90	75	80	87	93											
		MBh	53.7	55.3	59.8	64.2	52.4	54.0	58.4	62.7	51.2	52.7	57.1	61.2	50.0	51.4	55.7	59.7	47.5	48.9	52.9	56.8	44.0	45.3	49.0	52.6											
		S/T	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.82	0.62	0.40	0.92	0.82	0.62	0.40											
		ΔT	21	19	16	11	21	19	16	11	21	19	16	11	21	20	16	11	21	19	16	11	20	18	15	10											
		kW	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94											
		Amps	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8											
		HI PR	149	161	170	177	168	180	190	199	191	205	217	226	217	234	247	257	244	263	277	289	270	290	307	320											
		LO PR	60	64	70	75	64	68	74	79	66	70	77	82	69	74	81	86	73	77	85	90	75	80	87	93											

EXPANDED COOLING DATA — GSH130604A* / AR*F486016B* (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	1800	MBh	54.1	55.3	59.1	63.1	52.8	54.0	57.7	61.7	51.6	52.7	56.3	60.2	50.3	51.4	54.9	58.7	47.8	48.9	52.2	55.8	44.3	45.3	48.4	51.7
		S/T	0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.51	0.92	0.87	0.71	0.53	0.95	0.90	0.73	0.54	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57
		ΔT	24	23	20	16	24	23	20	16	24	23	20	16	25	24	20	16	24	23	20	16	23	22	19	15
		kW	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94
		Amps	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
	1883	HI PR	149	160	169	176	167	180	190	198	190	204	216	225	216	233	246	256	243	262	277	288	269	289	306	319
		LO PR	60	64	70	74	63	67	74	78	66	70	77	82	69	74	80	86	73	77	84	90	75	80	87	93
		MBh	54.7	55.8	59.7	63.8	53.4	54.5	58.3	62.3	52.1	53.2	56.9	60.8	50.8	51.9	55.5	59.3	48.3	49.4	52.7	56.4	44.7	45.7	48.8	52.2
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.70	0.52	0.93	0.88	0.71	0.53	0.96	0.90	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.95	0.77	0.58
		ΔT	23	22	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	18	15
	1900	kW	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94
Amps		8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	
HI PR		151	162	171	179	169	182	192	201	192	207	219	228	219	236	249	260	247	265	280	292	272	293	310	323	
LO PR		61	65	71	75	64	68	75	80	67	71	78	83	70	75	82	87	74	78	85	91	76	81	88	94	
MBh		54.7	55.8	59.7	63.8	53.4	54.5	58.3	62.3	52.1	53.2	56.9	60.8	50.8	51.9	55.5	59.3	48.3	49.4	52.7	56.4	44.7	45.7	48.8	52.2	

85	1800	MBh	55.0	56.1	58.8	62.7	53.8	54.8	57.4	61.2	52.5	53.5	56.0	59.8	51.2	52.2	54.7	58.3	48.6	49.6	51.9	55.4	45.1	45.9	48.1	51.3
		S/T	0.91	0.88	0.79	0.64	0.95	0.91	0.82	0.67	0.97	0.94	0.84	0.68	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74
		ΔT	26	25	24	21	26	26	24	21	26	26	24	21	26	26	24	21	25	25	24	21	23	23	22	19
		kW	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94
		Amps	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
		HI PR	150	162	171	178	169	182	192	200	192	206	218	227	219	235	248	259	246	265	279	291	272	292	309	322
		LO PR	61	65	70	75	64	68	74	79	67	71	77	82	70	74	81	87	73	78	85	91	76	81	88	94
		MBh	55.6	56.7	59.4	63.3	54.3	55.4	58.0	61.9	53.0	54.0	56.6	60.4	51.7	52.7	55.2	58.9	49.1	50.1	52.5	56.0	45.5	46.4	48.6	51.8
		S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.75
		ΔT	25	25	23	20	25	25	24	20	25	25	24	20	25	25	24	21	24	24	23	20	22	23	22	19
	1883	kW	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94
1900		Amps	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
		HI PR	152	164	173	181	171	184	194	203	194	209	221	230	221	238	252	262	249	268	283	295	275	296	313	326
		LO PR	61	65	71	76	65	69	75	80	67	72	78	83	71	75	82	88	74	79	86	92	77	82	89	95
		MBh	55.6	56.7	59.4	63.3	54.3	55.4	58.0	61.9	53.0	54.0	56.6	60.4	51.7	52.7	55.2	58.9	49.1	50.1	52.5	56.0	45.5	46.4	48.6	51.8
		S/T	0.92	0.89	0.80	0.65	0.95	0.92	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.75
		ΔT	25	24	23	20	25	25	23	20	25	25	23	20	25	25	24	20	24	24	23	20	22	22	22	19
		kW	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94	4.94
		Amps	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
		HI PR	152	164	173	181	171	184	194	203	194	209	221	230	221	238	252	262	249	268	283	295	275	296	313	326
		LO PR	61	65	71	76	65	69	75	80	67	72	78	83	71	75	82	88	74	79	86	92	77	82	89	95

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 COOLING DATA — GSH100903/4A* / AR090

		OUTDOOR AMBIENT TEMPERATURE												115°F																							
		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	59	63	67	71				
70	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	-	69.8	72.3	79.3	-	69.8	72.3	79.3	-	69.8	72.3	79.3	-				
	S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-	0.84	0.70	0.49	-	0.84	0.70	0.49	-				
	ΔT	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-	17	14	11	-	17	14	11	-				
	kW	6.80	6.93	7.14	-	7.29	7.44	7.67	-	7.73	7.89	8.13	-	8.11	8.28	8.54	-	8.44	8.62	8.89	-	8.72	8.90	9.19	-	8.72	8.90	9.19	-	8.72	8.90	9.19	-				
	Amps	15.7	16.1	16.6	-	17.0	17.4	18.0	-	18.4	18.9	19.5	-	19.7	20.2	20.9	-	21.0	21.5	22.3	-	22.3	22.8	23.6	-	22.3	22.8	23.6	-	22.3	22.8	23.6	-				
	Hi PR	153	164	174	-	171	185	195	-	195	210	222	-	222	239	252	-	250	269	284	-	276	297	314	-	276	297	314	-	276	297	314	-				
	Lo PR	57	61	66	-	60	64	70	-	62	66	73	-	66	70	76	-	69	73	80	-	71	76	83	-	71	76	83	-	71	76	83	-				
	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	-	67.8	70.2	76.9	-				
	S/T	0.70	0.58	0.40	-	0.72	0.61	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-	0.80	0.67	0.46	-	0.80	0.67	0.46	-				
ΔT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-	17	15	11	-	17	15	11	-					
2880	kW	6.75	6.88	7.09	-	7.23	7.38	7.61	-	7.67	7.82	8.07	-	8.05	8.22	8.47	-	8.37	8.55	8.82	-	8.65	8.83	9.11	-	8.65	8.83	9.11	-	8.65	8.83	9.11	-				
	Amps	15.5	15.9	16.4	-	16.8	17.2	17.8	-	18.3	18.7	19.4	-	19.5	20.0	20.7	-	20.8	21.3	22.1	-	22.1	22.6	23.4	-	22.1	22.6	23.4	-	22.1	22.6	23.4	-				
	Hi PR	151	163	172	-	170	183	193	-	193	208	219	-	220	237	250	-	247	266	281	-	273	294	311	-	273	294	311	-	273	294	311	-				
	Lo PR	56	60	65	-	60	63	69	-	62	66	72	-	65	69	75	-	68	72	79	-	70	75	82	-	70	75	82	-	70	75	82	-				
	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	-	62.5	64.8	71.0	-				
	S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.77	0.65	0.45	-	0.77	0.65	0.45	-	0.77	0.65	0.45	-				
	ΔT	19	16	12	-	19	16	12	-	19	16	13	-	19	17	13	-	19	16	12	-	18	15	12	-	18	15	12	-	18	15	12	-				
	kW	6.60	6.73	6.92	-	7.07	7.21	7.43	-	7.49	7.64	7.88	-	7.86	8.02	8.27	-	8.17	8.34	8.60	-	8.44	8.62	8.89	-	8.44	8.62	8.89	-	8.44	8.62	8.89	-				
	Amps	15.1	15.5	16.0	-	16.3	16.7	17.3	-	17.8	18.2	18.8	-	19.0	19.5	20.1	-	20.2	20.7	21.4	-	21.5	22.0	22.7	-	21.5	22.0	22.7	-	21.5	22.0	22.7	-				
Hi PR	147	158	167	-	165	177	187	-	187	202	213	-	213	230	242	-	240	258	273	-	265	285	301	-	265	285	301	-	265	285	301	-					
Lo PR	55	58	63	-	58	61	67	-	60	64	70	-	63	67	73	-	66	70	77	-	68	73	79	-	68	73	79	-	68	73	79	-					

3240	MBh	86.70	89.26	96.62	103.7	84.68	87.19	94.37	101.29	82.67	85.11	92.13	98.88	80.65	83.04	89.88	96.46	76.62	78.88	85.38	91.64	70.97	73.07	79.09	84.89
	S/T	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.38	0.89	0.79	0.60	0.39	0.91	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42
	ΔT	21	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	19	18	15	10
	kW	6.85	6.99	7.19	7.41	7.35	7.50	7.73	7.97	7.79	7.95	8.20	8.45	8.17	8.35	8.61	8.89	8.50	8.69	8.96	9.25	8.79	8.98	9.26	9.57
	Amps	15.8	16.2	16.7	17.4	17.1	17.5	18.1	18.8	18.6	19.1	19.7	20.5	19.9	20.4	21.1	21.9	21.2	21.7	22.5	23.3	22.5	23.1	23.8	24.8
	Hi PR	154	166	175	183	173	186	197	205	197	212	224	233	224	241	255	266	252	272	287	299	279	300	317	331
	Lo PR	57	61	67	71	61	65	71	75	63	67	73	78	66	71	77	82	69	74	81	86	72	76	83	89
	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	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.82	0.62	0.40
	ΔT	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	21	20	16	11	20	18	15	10
	kW	6.80	6.93	7.14	7.36	7.29	7.44	7.67	7.90	7.73	7.89	8.13	8.39	8.11	8.28	8.54	8.81	8.44	8.62	8.89	9.18	8.72	8.91	9.19	9.49
	Amps	15.7	16.1	16.6	17.2	17.0	17.4	18.0	18.6	18.4	18.9	19.5	20.3	19.7	20.2	20.9	21.7	21.0	21.5	22.3	23.1	22.3	22.8	23.6	24.5
	Hi PR	153	164	174	181	172	185	195	203	195	210	222	231	222	239	252	263	250	269	284	296	276	297	314	327
	Lo PR	57	61	66	70	60	64	70	74	62	66	73	77	66	70	76	81	69	73	80	85	71	76	83	88
2520	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	74.41	80.5	86.4	68.7	70.7	76.5	82.1	63.6	65.5	70.9	76.1
	S/T	0.77	0.69	0.52	0.33	0.79	0.71	0.54	0.35	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.88	0.79	0.60	0.38
	ΔT	22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	12	22	20	16	11	20	19	15	11
	kW	6.65	6.78	6.98	7.19	7.12	7.27	7.49	7.72	7.55	7.70	7.94	8.19	7.92	8.08	8.34	8.60	8.24	8.41	8.67	8.95	8.51	8.69	8.97	9.26
	Amps	15.3	15.6	16.1	16.7	16.5	16.9	17.5	18.1	17.9	18.4	19.0	19.7	19.2	19.7	20.3	21.1	20.4	20.9	21.6	22.5	21.7	22.2	22.9	23.8
	Hi PR	148	160	168	176	166	179	189	197	189	204	215	224	215	232	245	255	242	261	275	287	268	288	304	317
	Lo PR	55	59	64	68	58	62	68	72	61	64	70	75	64	68	74	79	67	71	77	83	69	73	80	85

EXPANDED COOLING DATA — GSH100903/4A* / AR090 (CONT.)

		OUTDOOR AMBIENT TEMPERATURE												115°F											
		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	88.24	90.17	96.33	102.98	86.19	88.07	94.09	100.58	84.13	85.97	91.85	98.19	82.08	83.87	89.61	95.79	77.98	79.68	85.13	91.00	72.23	73.81	78.86	84.30
	S/T	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	1.00	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	1.00	0.79	0.59	1.00	1.00	0.80	0.60
	ΔT	23	22	19	15	23	22	19	15	24	22	19	15	23	22	19	16	22	23	19	15	20	21	18	14
	kW	6.90	7.04	7.25	7.47	7.40	7.56	7.79	8.03	7.85	8.01	8.26	8.52	8.24	8.41	8.68	8.96	8.57	8.76	9.03	9.33	8.86	9.05	9.34	9.65
	Amps	16.0	16.4	16.9	17.5	17.3	17.7	18.3	19.0	18.8	19.3	19.9	20.7	20.1	20.6	21.3	22.1	21.4	21.9	22.7	23.6	22.7	23.3	24.1	25.0
	Hi PR	156	168	177	185	175	188	199	207	199	214	226	236	227	244	258	269	255	274	290	302	282	303	320	334
	Lo PR	58	62	67	72	61	65	71	76	64	68	74	79	67	71	78	83	70	75	82	87	73	77	84	90
	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
	S/T	0.87	0.82	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57
	ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	19	15
2880	kW	6.85	6.99	7.20	7.41	7.35	7.50	7.73	7.97	7.79	7.95	8.20	8.46	8.18	8.35	8.61	8.89	8.51	8.69	8.96	9.25	8.79	8.98	9.27	9.57
	Amps	15.8	16.2	16.7	17.4	17.1	17.5	18.1	18.8	18.6	19.1	19.7	20.5	19.9	20.4	21.1	21.9	21.2	21.7	22.5	23.3	22.5	23.1	23.8	24.8
	Hi PR	154	166	175	183	173	186	197	205	197	212	224	234	224	241	255	266	252	272	287	299	279	300	317	331
	Lo PR	57	61	67	71	61	65	71	75	63	67	73	78	66	71	77	82	69	74	81	86	72	76	83	89
	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
	S/T	0.84	0.79	0.64	0.48	0.87	0.82	0.67	0.50	0.89	0.84	0.68	0.51	0.92	0.86	0.70	0.53	0.96	0.90	0.73	0.55	0.97	0.91	0.74	0.55
	ΔT	24	23	20	16	25	24	20	16	25	24	20	16	25	24	21	16	24	23	20	16	23	22	19	15
	kW	6.70	6.83	7.03	7.24	7.18	7.32	7.55	7.78	7.61	7.76	8.00	8.25	7.98	8.15	8.40	8.67	8.30	8.48	8.74	9.03	8.58	8.76	9.04	9.33
	Amps	15.4	15.8	16.3	16.9	16.7	17.1	17.6	18.3	18.1	18.5	19.2	19.9	19.4	19.8	20.5	21.3	20.6	21.1	21.8	22.7	21.9	22.4	23.2	24.1
	Hi PR	150	161	170	177	168	181	191	199	191	206	217	227	218	234	247	258	245	264	278	290	271	291	307	321
Lo PR	56	59	65	69	59	63	68	73	61	65	71	76	64	68	75	80	67	72	78	83	70	74	81	86	
85	MBh	89.78	91.52	95.85	102.26	87.69	89.39	93.62	99.88	85.60	87.26	91.39	97.50	83.52	85.13	89.16	95.12	79.34	80.88	84.70	90.37	73.49	74.92	78.46	83.71
	S/T	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
	ΔT	24	24	23	20	25	24	23	20	24	24	23	20	24	24	23	20	23	23	23	20	21	21	21	18
	kW	6.95	7.09	7.31	7.53	7.46	7.61	7.85	8.09	7.91	8.07	8.33	8.59	8.31	8.48	8.75	9.03	8.64	8.83	9.11	9.40	8.93	9.12	9.42	9.73
	Amps	16.1	16.5	17.1	17.7	17.4	17.9	18.5	19.2	19.0	19.4	20.1	20.9	20.3	20.8	21.5	22.3	21.6	22.2	22.9	23.8	22.9	23.5	24.3	25.2
	Hi PR	157	169	179	187	177	190	201	209	201	216	228	238	229	246	260	271	258	277	293	305	285	306	323	337
	Lo PR	59	62	68	73	62	66	72	77	64	68	75	80	68	72	79	84	71	75	82	88	73	78	85	91
	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
	S/T	0.91	0.88	0.80	0.65	0.95	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.91	0.74
	ΔT	25	25	24	20	26	25	24	21	26	25	24	21	26	26	24	21	26	26	24	21	23	23	22	19
2880	kW	6.90	7.04	7.25	7.47	7.40	7.56	7.79	8.03	7.85	8.01	8.26	8.52	8.24	8.41	8.68	8.96	8.57	8.76	9.03	9.33	8.86	9.05	9.34	9.65
	Amps	16.0	16.4	16.9	17.5	17.3	17.7	18.3	19.0	18.8	19.3	19.9	20.7	20.1	20.6	21.3	22.1	21.4	21.9	22.7	23.6	22.7	23.3	24.1	25.0
	Hi PR	156	168	177	185	175	188	199	207	199	214	226	236	227	244	258	269	255	274	290	302	282	303	320	334
	Lo PR	58	62	67	72	61	65	71	76	64	68	74	79	67	71	78	83	70	75	82	87	73	77	84	90
	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	0.88	0.85	0.77	0.62	0.91	0.88	0.80	0.65	0.94	0.90	0.82	0.66	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.98	0.88	0.71
	ΔT	26	25	24	21	26	26	24	21	26	26	24	21	26	26	25	21	26	26	24	21	24	24	23	20
	kW	6.75	6.88	7.08	7.30	7.23	7.38	7.60	7.84	7.66	7.82	8.06	8.32	8.04	8.21	8.47	8.74	8.37	8.54	8.81	9.10	8.65	8.83	9.11	9.41
	Amps	15.5	15.9	16.4	17.1	16.8	17.2	17.8	18.5	18.3	18.7	19.3	20.1	19.5	20.0	20.7	21.5	20.8	21.3	22.1	22.9	22.1	22.6	23.4	24.3
	Hi PR	151	163	172	179	170	183	193	201	193	208	219	229	220	237	250	261	247	266	281	293	273	294	311	324
Lo PR	56	60	65	70	59	63	69	74	62	66	72	76	65	69	75	80	68	72	79	84	70	75	82	87	

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

Shaded area reflects AHRI (TV) conditions

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

EXPANDED COOLING DATA — GSH100903B* / AR090

		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	84.9	88.0	96.4	-	82.9	86.0	94.2	-	81.0	83.9	92.0	-	79.0	81.9	89.7	-	75.0	77.8	85.2	-	69.5	72.1	78.9	-
	S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.71	0.60	0.41	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.77	0.64	0.45	-
	ΔT	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	18	15	12	-	16	14	11	-
	kW	6.23	6.35	6.54	-	6.67	6.81	7.01	-	7.07	7.21	7.43	-	7.42	7.57	7.81	-	7.71	7.87	8.12	-	7.97	8.14	8.39	-
	Amps	19.0	19.4	20.0	-	20.4	20.8	21.4	-	22.0	22.5	23.1	-	23.3	23.9	24.6	-	24.7	25.3	26.1	-	26.1	26.7	27.5	-
	HI PR	143	154	162	-	160	172	182	-	182	196	207	-	207	223	236	-	233	251	265	-	258	277	293	-
	LO PR	55	59	64	-	59	62	68	-	61	65	71	-	64	68	74	-	67	71	78	-	69	74	81	-
	MBh	85.8	88.9	97.4	-	83.8	86.8	95.1	-	81.8	84.8	92.9	-	79.8	82.7	90.6	-	75.8	78.6	86.1	-	70.2	72.8	79.7	-
	S/T	0.68	0.57	0.39	-	0.70	0.59	0.41	-	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.78	0.65	0.45	-
	ΔT	18	15	12	-	18	15	12	-	18	15	12	-	18	16	12	-	18	15	12	-	17	14	11	-
	kW	6.29	6.41	6.60	-	6.74	6.88	7.08	-	7.14	7.29	7.51	-	7.49	7.65	7.89	-	7.79	7.96	8.21	-	8.05	8.22	8.48	-
	Amps	19.2	19.6	20.2	-	20.6	21.0	21.7	-	22.2	22.7	23.4	-	23.6	24.1	24.9	-	25.0	25.6	26.3	-	26.4	27.0	27.8	-
	HI PR	145	156	164	-	162	175	184	-	185	199	210	-	210	226	239	-	236	254	269	-	261	281	297	-
	LO PR	56	60	65	-	59	63	69	-	62	66	72	-	65	69	75	-	68	72	79	-	70	75	82	-
3200	MBh	85.8	88.9	97.4	-	83.8	86.8	95.1	-	81.8	84.8	92.9	-	79.8	82.7	90.6	-	75.8	78.6	86.1	-	70.2	72.8	79.7	-
	S/T	0.68	0.57	0.39	-	0.70	0.59	0.41	-	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.78	0.65	0.45	-
	ΔT	17	14	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
	kW	6.29	6.41	6.60	-	6.74	6.88	7.08	-	7.14	7.29	7.51	-	7.49	7.65	7.89	-	7.79	7.96	8.21	-	8.05	8.22	8.48	-
	Amps	19.2	19.6	20.2	-	20.6	21.0	21.7	-	22.2	22.7	23.4	-	23.6	24.1	24.9	-	25.0	25.6	26.3	-	26.4	27.0	27.8	-
	HI PR	145	156	164	-	162	175	184	-	185	199	210	-	210	226	239	-	236	254	269	-	261	281	297	-
	LO PR	56	60	65	-	59	63	69	-	62	66	72	-	65	69	75	-	68	72	79	-	70	75	82	-

75	MBh	86.4	88.9	96.2	103.3	84.4	86.9	94.0	100.9	82.3	84.8	91.8	98.5	80.3	82.7	89.5	96.1	76.3	78.6	85.1	91.3	70.7	72.8	78.8	84.6	70.7	72.8	78.8	84.6	70.7	72.8	78.8	84.6
	S/T	0.76	0.68	0.52	0.33	0.79	0.71	0.54	0.34	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.88	0.78	0.59	0.38	0.88	0.78	0.59	0.38	0.88	0.78	0.59	0.38
	ΔT	20	19	15	11	20	19	15	11	21	19	15	11	21	19	16	11	20	19	15	11	19	18	14	10	19	18	14	10	19	18	14	10
	kW	6.27	6.40	6.59	6.78	6.72	6.86	7.07	7.29	7.12	7.27	7.49	7.73	7.47	7.63	7.87	8.12	7.77	7.94	8.19	8.45	8.03	8.20	8.46	8.74	8.03	8.20	8.46	8.74	8.03	8.20	8.46	8.74
	Amps	19.2	19.6	20.1	20.8	20.5	21.0	21.6	22.4	22.2	22.6	23.3	24.1	23.5	24.1	24.8	25.7	24.9	25.5	26.3	27.2	26.3	26.9	27.7	28.7	26.3	26.9	27.7	28.7	26.3	26.9	27.7	28.7
	HI PR	144	155	164	171	162	174	184	192	184	198	209	218	210	226	238	248	236	254	268	279	260	280	296	309	260	280	296	309	260	280	296	309
	LO PR	56	60	65	69	59	63	69	73	62	65	71	76	65	69	75	80	68	72	79	84	70	75	81	87	70	75	81	87	70	75	81	87
	MBh	87.2	89.8	97.2	104.3	85.2	87.7	95.0	101.9	83.2	85.6	92.7	99.5	81.1	83.6	90.4	97.1	77.1	79.4	85.9	92.2	71.4	73.5	79.6	85.4	71.4	73.5	79.6	85.4	71.4	73.5	79.6	85.4
	S/T	0.77	0.69	0.52	0.34	0.80	0.72	0.54	0.35	0.82	0.73	0.56	0.36	0.85	0.76	0.57	0.37	0.88	0.79	0.60	0.38	0.89	0.79	0.60	0.39	0.89	0.79	0.60	0.39	0.89	0.79	0.60	0.39
	ΔT	20	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	20	19	15	11	19	18	14	10	19	18	14	10	19	18	14	10
	kW	6.33	6.46	6.65	6.85	6.79	6.93	7.14	7.36	7.20	7.34	7.57	7.81	7.55	7.71	7.95	8.20	7.85	8.02	8.27	8.54	8.12	8.29	8.55	8.83	8.12	8.29	8.55	8.83	8.12	8.29	8.55	8.83
	Amps	19.4	19.8	20.4	21.0	20.8	21.2	21.9	22.6	22.4	22.9	23.6	24.4	23.8	24.3	25.1	26.0	25.2	25.8	26.6	27.5	26.6	27.2	28.1	29.1	26.6	27.2	28.1	29.1	26.6	27.2	28.1	29.1
	HI PR	146	157	166	173	164	176	186	194	186	201	212	221	212	228	241	252	239	257	271	283	264	284	300	313	264	284	300	313	264	284	300	313
	LO PR	57	60	66	70	60	64	70	74	62	66	72	77	65	70	76	81	69	73	80	85	71	75	82	88	71	75	82	88	71	75	82	88

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 — GSH100903B* / AR090 (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																							
		65°F				75°F				85°F				95°F				105°F				115°F			
IDB	AIRFLOW	ENTERING INDOOR WET BULB TEMPERATURE																							
80	MBh	87.9	89.8	96.0	102.6	85.9	87.7	93.7	100.2	83.8	85.6	91.5	97.8	81.8	83.6	89.3	95.4	77.7	79.4	84.8	90.7	72.0	73.5	78.6	84.0
	S/T	0.84	0.79	0.64	0.48	0.87	0.81	0.66	0.50	0.89	0.84	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	15	23	22	19	15	23	22	19	15	23	22	19	15	21	20	18	14
	kW	6.32	6.45	6.64	6.84	6.78	6.91	7.12	7.34	7.18	7.33	7.55	7.79	7.53	7.69	7.93	8.18	7.84	8.00	8.25	8.52	8.10	8.27	8.53	8.81
	Amps	19.3	19.7	20.3	21.0	20.7	21.2	21.8	22.5	22.3	22.8	23.5	24.3	23.7	24.3	25.0	25.9	25.1	25.7	26.5	27.4	26.5	27.1	28.0	29.0
	Hi PR	146	157	165	173	163	176	186	194	186	200	211	220	212	228	241	251	238	256	271	282	263	283	299	312
	LO PR	57	60	66	70	66	64	69	74	62	66	72	77	65	69	76	81	68	73	79	85	71	75	82	88
	MBh	88.8	90.7	96.9	103.6	86.7	88.6	94.7	101.2	84.7	86.5	92.4	98.8	82.6	84.4	90.2	96.4	78.5	80.2	85.7	91.6	72.7	74.3	79.3	84.8
	S/T	0.85	0.79	0.65	0.48	0.88	0.82	0.67	0.50	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.96	0.90	0.74	0.55	0.97	0.91	0.74	0.55
	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
kW	6.38	6.51	6.70	6.91	6.84	6.98	7.20	7.42	7.25	7.40	7.63	7.87	7.61	7.77	8.02	8.27	7.92	8.09	8.34	8.61	8.18	8.36	8.62	8.90	
Amps	19.5	19.9	20.5	21.2	20.9	21.4	22.0	22.8	22.6	23.1	23.8	24.6	24.0	24.5	25.3	26.2	25.4	26.0	26.8	27.8	26.8	27.4	28.3	29.3	
Hi PR	148	159	168	175	166	178	188	196	188	203	214	223	214	231	244	254	241	260	274	286	267	287	303	316	
LO PR	57	61	67	71	61	64	70	75	63	67	73	78	66	70	77	82	69	74	80	86	72	76	83	89	
3200	MBh	88.8	90.7	96.9	103.6	86.7	88.6	94.7	101.2	84.7	86.5	92.4	98.8	82.6	84.4	90.2	96.4	78.5	80.2	85.7	91.6	72.7	74.3	79.3	84.8
	S/T	0.85	0.79	0.65	0.48	0.88	0.82	0.67	0.50	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.96	0.90	0.74	0.55	0.97	0.91	0.74	0.55
	ΔT	22	21	18	14	22	21	18	15	22	21	18	15	22	21	18	15	22	21	18	14	20	19	17	14
	kW	6.38	6.51	6.70	6.91	6.84	6.98	7.20	7.42	7.25	7.40	7.63	7.87	7.61	7.77	8.02	8.27	7.92	8.09	8.34	8.61	8.18	8.36	8.62	8.90
	Amps	19.5	19.9	20.5	21.2	20.9	21.4	22.0	22.8	22.6	23.1	23.8	24.6	24.0	24.5	25.3	26.2	25.4	26.0	26.8	27.8	26.8	27.4	28.3	29.3
	Hi PR	148	159	168	175	166	178	188	196	188	203	214	223	214	231	244	254	241	260	274	286	267	287	303	316
	LO PR	57	61	67	71	61	64	70	75	63	67	73	78	66	70	77	82	69	74	80	86	72	76	83	89
	MBh	88.8	90.7	96.9	103.6	86.7	88.6	94.7	101.2	84.7	86.5	92.4	98.8	82.6	84.4	90.2	96.4	78.5	80.2	85.7	91.6	72.7	74.3	79.3	84.8
	S/T	0.85	0.79	0.65	0.48	0.88	0.82	0.67	0.50	0.90	0.84	0.69	0.51	0.93	0.87	0.71	0.53	0.96	0.90	0.74	0.55	0.97	0.91	0.74	0.55
	ΔT	22	21	18	14	22	21	18	15	22	21	18	15	22	21	18	15	22	21	18	14	20	19	17	14

3000	MBh	89.4	91.2	95.5	101.9	87.4	89.0	93.3	99.5	85.3	86.9	91.0	97.1	83.2	84.8	88.8	94.8	79.0	80.6	84.4	90.0	73.2	74.6	78.2	83.4
	S/T	0.88	0.85	0.77	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	0.97	0.87	0.71	1.00	0.97	0.88	0.71
	ΔT	24	24	22	19	24	24	23	20	24	24	23	20	25	24	23	20	24	24	23	19	22	22	21	18
	kW	6.37	6.49	6.69	6.89	6.83	6.97	7.18	7.40	7.23	7.38	7.61	7.85	7.59	7.75	7.99	8.25	7.90	8.07	8.32	8.59	8.16	8.34	8.60	8.88
	Amps	19.5	19.9	20.5	21.2	20.9	21.3	22.0	22.7	22.5	23.0	23.7	24.5	23.9	24.5	25.2	26.1	25.4	25.9	26.7	27.7	26.8	27.4	28.2	29.2
	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	57	61	66	71	60	64	70	75	63	67	73	78	66	70	77	82	69	73	80	85	71	76	83	88
	MBh	90.3	92.1	96.4	102.9	88.2	89.9	94.2	100.5	86.1	87.8	92.0	98.1	84.0	85.7	89.7	95.7	79.8	81.4	85.2	90.9	73.9	75.4	78.9	84.2
	S/T	0.89	0.86	0.77	0.63	0.92	0.89	0.80	0.65	0.94	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.98	0.88	0.71	1.00	0.98	0.89	0.72
	3049	ΔT	24	24	22	19	24	24	23	20	25	24	23	20	25	24	23	20	24	24	23	20	22	22	21
kW		6.43	6.56	6.75	6.96	6.90	7.04	7.25	7.48	7.31	7.46	7.69	7.93	7.67	7.83	8.08	8.34	7.98	8.15	8.41	8.68	8.25	8.42	8.69	8.98
Amps		19.7	20.1	20.7	21.4	21.1	21.6	22.2	23.0	22.8	23.3	24.0	24.8	24.2	24.8	25.5	26.4	25.6	26.2	27.0	28.0	27.1	27.7	28.5	29.6
Hi PR		149	160	169	177	167	180	190	198	190	205	216	225	217	233	246	257	244	262	277	289	269	290	306	319
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
MBh		90.3	92.1	96.4	102.9	88.2	89.9	94.2	100.5	86.1	87.8	92.0	98.1	84.0	85.7	89.7	95.7	79.8	81.4	85.2	90.9	73.9	75.4	78.9	84.2
S/T		0.89	0.86	0.77	0.63	0.92	0.89	0.80	0.65	0.94	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.98	0.88	0.71	1.00	0.98	0.89	0.72
ΔT		23	23	21	19	23	23	22	19	23	23	22	19	24	23	22	19	23	23	22	19	21	21	20	17
kW		6.43	6.56	6.75	6.96	6.90	7.04	7.25	7.48	7.31	7.46	7.69	7.93	7.67	7.83	8.08	8.34	7.98	8.15	8.41	8.68	8.25	8.42	8.69	8.98
3200		Amps	19.7	20.1	20.7	21.4	21.1	21.6	22.2	23.0	22.8	23.3	24.0	24.8	24.2	24.8	25.5	26.4	25.6	26.2	27.0	28.0	27.1	27.7	28.5
	Hi PR	149	160	169	177	167	180	190	198	190	205	216	225	217	233	246	257	244	262	277	289	269	290	306	319
	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

EXPANDED COOLING DATA — GSH100904A* / AR090

		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	59	63	67	71				
70	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	-	69.8	72.3	79.3	-	69.8	72.3	79.3	-	69.8	72.3	79.3	-				
	S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.47	-	0.83	0.70	0.48	-	0.84	0.70	0.49	-	0.84	0.70	0.49	-	0.84	0.70	0.49	-				
	DT	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-	17	14	11	-	17	14	11	-				
	kW	6.86	7.00	7.20	-	7.35	7.50	7.72	-	7.78	7.94	8.18	-	8.16	8.32	8.58	-	8.48	8.66	8.92	-	8.76	8.94	9.22	-	8.76	8.94	9.22	-	8.76	8.94	9.22	-				
	Amps	7.7	7.9	8.2	-	8.4	8.6	8.9	-	9.1	9.3	9.6	-	9.7	10.0	10.3	-	10.4	10.6	11.0	-	11.0	11.3	11.6	-	11.0	11.3	11.6	-	11.0	11.3	11.6	-				
	Hi PR	150	161	170	-	168	181	191	-	191	206	217	-	218	234	247	-	245	264	278	-	271	291	308	-	271	291	308	-	271	291	308	-				
	Lo PR	57	61	66	-	60	64	70	-	62	66	73	-	66	70	76	-	69	73	80	-	71	76	83	-	71	76	83	-	71	76	83	-				
	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	-	67.8	70.2	76.9	-				
	S/T	0.70	0.58	0.40	-	0.72	0.61	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-	0.80	0.67	0.46	-	0.80	0.67	0.46	-				
	DT	18	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	19	16	12	-	17	15	11	-	17	15	11	-	17	15	11	-				
	kW	6.81	6.95	7.15	-	7.29	7.44	7.66	-	7.72	7.88	8.11	-	8.09	8.26	8.51	-	8.41	8.59	8.85	-	8.69	8.87	9.15	-	8.69	8.87	9.15	-	8.69	8.87	9.15	-				
	Amps	7.7	7.8	8.1	-	8.3	8.5	8.8	-	9.0	9.2	9.5	-	9.6	9.9	10.2	-	10.3	10.5	10.9	-	10.9	11.1	11.5	-	10.9	11.1	11.5	-	10.9	11.1	11.5	-				
	Hi PR	148	160	169	-	166	179	189	-	189	204	215	-	216	232	245	-	243	261	276	-	268	288	305	-	268	288	305	-	268	288	305	-				
	Lo PR	56	60	65	-	60	63	69	-	62	66	72	-	65	69	75	-	68	72	79	-	70	75	82	-	70	75	82	-	70	75	82	-				
2520	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	-	62.5	64.8	71.0	-				
	S/T	0.67	0.56	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.41	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.77	0.65	0.45	-	0.77	0.65	0.45	-	0.77	0.65	0.45	-				
	DT	19	16	12	-	19	16	12	-	19	16	13	-	19	17	13	-	19	16	12	-	18	15	12	-	18	15	12	-	18	15	12	-				
	kW	6.67	6.79	6.99	-	7.13	7.27	7.49	-	7.54	7.70	7.93	-	7.91	8.07	8.31	-	8.22	8.39	8.64	-	8.48	8.66	8.93	-	8.48	8.66	8.93	-	8.48	8.66	8.93	-				
	Amps	7.5	7.6	7.9	-	8.1	8.3	8.5	-	8.8	9.0	9.3	-	9.4	9.6	9.9	-	10.0	10.2	10.6	-	10.6	10.8	11.2	-	10.6	10.8	11.2	-	10.6	10.8	11.2	-				
	Hi PR	144	155	164	-	161	174	183	-	184	198	209	-	209	225	238	-	235	253	267	-	260	280	295	-	260	280	295	-	260	280	295	-				
	Lo PR	55	58	63	-	58	61	67	-	60	64	70	-	63	67	73	-	66	70	77	-	68	73	79	-	68	73	79	-	68	73	79	-				

	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	59	63	67	71	59	63	67	71																																				
3240	MBh	86.70	89.26	96.62	103.70	84.68	87.19	94.37	101.29	82.67	85.11	92.13	98.88	80.65	83.04	89.88	96.46	76.62	78.88	85.38	91.64	70.97	73.07	79.09	84.89	70.97	73.07	79.09	84.89	70.97	73.07	79.09	84.89	70.97	73.07	79.09	84.89																																				
	S/T	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.38	0.89	0.79	0.60	0.39	0.91	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.96	0.86	0.65	0.42	0.96	0.86	0.65	0.42	0.96	0.86	0.65	0.42	0.96	0.86	0.65	0.42																																				
	DT	21	19	15	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	16	11	21	19	15	10	21	19	16	11	21	19	16	11	21	19	15	10																																				
	kW	6.91	7.05	7.26	7.47	7.41	7.55	7.78	8.02	7.84	8.00	8.24	8.50	8.22	8.39	8.65	8.92	8.55	8.72	9.00	9.28	8.83	9.01	9.30	9.59	8.83	9.01	9.30	9.59	8.83	9.01	9.30	9.59	8.83	9.01	9.30	9.59																																				
	Amps	7.8	8.0	8.3	8.6	8.4	8.6	8.9	9.3	9.2	9.4	9.7	10.1	9.8	10.1	10.4	10.8	10.5	10.7	11.1	11.5	11.1	11.4	11.7	12.2	11.1	11.4	11.7	12.2	11.1	11.4	11.7	12.2	11.1	11.4	11.7	12.2																																				
2880	Hi PR	151	163	172	179	170	183	193	201	193	208	219	229	220	237	250	261	247	266	281	293	273	294	311	324	273	294	311	324	273	294	311	324	273	294	311	324																																				
	Lo PR	57	61	67	71	61	65	71	75	63	67	73	78	66	71	77	82	69	74	81	86	72	76	83	89	72	76	83	89	72	76	83	89	72	76	83	89																																				
	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	68.9	70.9	76.8	82.4	68.9	70.9	76.8	82.4	68.9	70.9	76.8	82.4																																				
	S/T	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.76	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.82	0.62	0.40	0.91	0.82	0.62	0.40	0.91	0.82	0.62	0.40	0.91	0.82	0.62	0.40																																				
	DT	21	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	22	20	16	11	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10																																				
2520	kW	6.86	7.00	7.20	7.42	7.35	7.50	7.72	7.96	7.78	7.94	8.18	8.43	8.16	8.33	8.58	8.85	8.48	8.66	8.93	9.21	8.76	8.94	9.22	9.52	8.76	8.94	9.22	9.52	8.76	8.94	9.22	9.52	8.76	8.94	9.22	9.52																																				
	Amps	7.7	7.9	8.2	8.5	8.4	8.6	8.9	9.2	9.1	9.3	9.6	10.0	9.7	10.0	10.3	10.7	10.4	10.6	11.0	11.4	11.0	11.3	11.6	12.1	11.0	11.3	11.6	12.1	11.0	11.3	11.6	12.1	11.0	11.3	11.6	12.1																																				
	Hi PR	150	161	170	178	168	181	191	199	191	206	217	227	218	234	248	258	245	264	278	290	271	291	308	321	271	291	308	321	271	291	308	321	271	291	308	321																																				
	Lo PR	57	61	66	70	60	64	70	74	62	66	73	77	66	70	76	81	69	73	80	85	71	76	83	88	71	76	83	88	71	76	83	88	71	76	83	88																																				
	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	74.41	80.5	86.4	68.7	70.7	76.5	82.1	63.6	65.5	70.9	76.1	63.6	65.5	70.9	76.1	63.6	65.5	70.9	76.1	63.6	65.5	70.9	76.1																																				
2520	S/T	0.77	0.69	0.52	0.33	0.79	0.71	0.54	0.35	0.81	0.73	0.55	0.35	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.88	0.79	0.60	0.38	0.88	0.79	0.60	0.38	0.88	0.79	0.60	0.38	0.88	0.79	0.60	0.38																																				
	DT	22	20	16	11	22	20	17	11	22	20	17	11	22	20	17	12	22	20	16	11	20	19	15	11	20	19	15	11	20	19	15	11	20	19	15	11																																				
	kW	6.71	6.84	7.04	7.25	7.19	7.33	7.54	7.77	7.60	7.75	7.99	8.23	7.97	8.13	8.38	8.64	8.28	8.45	8.71	8.99	8.55	8.73	9.00	9.29	8.55	8.73	9.00	9.29	8.55	8.73	9.00	9.29	8.55	8.73	9.00	9.29																																				
	Amps	7.5	7.7	8.0	8.3	8.1	8.3	8.6	8.9	8.8	9.1	9.4	9.7	9.5	9.7	10.0	10.4	10.1	10.3	10.7	11.1	10.7	10.9	11.3	11.7	10.7	10.9	11.3	11.7	10.7	10.9	11.3	11.7	10.7	10.9	11.3	11.7																																				
	Hi PR	145	156	165	172	163	176	185	193	185	200	211	220	211	227	240	250	238	256	270	282	263	283	298	311	263	283	298	311	263	283	298	311	263	283	298	311																																				
Lo PR	55	59	64	68	58	62	68	72	61	64	70	75	64	68	74	79	67	71	77	83	69	73	80	85	69	73	80	85	69	73	80	85	69	73	80	85																																					
		DB: Entering Indoor Dry Bulb Temperature																								Shaded area reflects ACCA (TVA) conditions																								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 — GSH100904A* / AR090 (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
		ENTERING INDOOR WET BULB TEMPERATURE																																			
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71								
80		MBh	88.24	90.17	96.33	102.98	86.19	88.07	94.09	100.58	84.13	85.97	91.85	98.19	82.08	83.87	89.61	95.79	77.98	79.68	85.13	91.00	72.23	73.81	78.86	84.30											
		S/T	0.91	0.86	0.70	0.52	0.95	0.89	0.72	0.54	1.00	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	1.00	0.79	0.59	1.00	1.00	0.80	0.60											
		DT	23	22	19	15	23	22	19	15	24	22	19	15	23	22	19	16	22	23	19	15	20	21	18	14											
	3240	kW	6.97	7.10	7.31	7.53	7.46	7.61	7.84	8.08	7.90	8.06	8.31	8.56	8.29	8.46	8.72	8.99	8.61	8.79	9.07	9.36	8.90	9.08	9.37	9.67											
		Amps	7.9	8.1	8.3	8.6	8.5	8.7	9.0	9.4	9.3	9.5	9.8	10.2	9.9	10.2	10.5	10.9	10.6	10.8	11.2	11.6	11.2	11.5	11.9	12.3											
		Hi PR	153	165	174	181	172	185	195	203	195	210	222	231	222	239	253	263	250	269	284	296	276	297	314	327											
		Lo PR	58	62	67	72	61	65	71	76	64	68	74	79	67	71	78	83	70	75	82	87	73	77	84	90											
		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											
		S/T	0.87	0.82	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57											
		DT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	19	15											
2880	kW	6.92	7.05	7.26	7.47	7.41	7.55	7.78	8.02	7.84	8.00	8.24	8.50	8.22	8.39	8.65	8.92	8.55	8.73	9.00	9.28	8.83	9.01	9.30	9.59												
	Amps	7.8	8.0	8.3	8.6	8.4	8.6	8.9	9.3	9.2	9.4	9.7	10.1	9.8	10.1	10.4	10.8	10.5	10.7	11.1	11.5	11.1	11.4	11.7	12.2												
	Hi PR	151	163	172	179	170	183	193	201	193	208	220	229	220	237	250	261	248	266	281	293	273	294	311	324												
	Lo PR	57	61	67	71	61	65	71	75	63	67	73	78	66	71	77	82	69	74	81	86	72	76	83	89												
	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												
	S/T	0.84	0.79	0.64	0.48	0.87	0.82	0.67	0.50	0.89	0.84	0.68	0.51	0.92	0.86	0.70	0.53	0.96	0.90	0.73	0.55	0.97	0.91	0.74	0.55												
	DT	24	23	20	16	25	24	20	16	25	24	20	16	25	24	21	16	24	23	20	16	23	22	19	15												
2520	kW	6.76	6.89	7.09	7.30	7.24	7.38	7.60	7.83	7.66	7.81	8.05	8.30	8.03	8.20	8.45	8.71	8.35	8.52	8.78	9.06	8.62	8.80	9.07	9.36												
	Amps	7.6	7.8	8.0	8.3	8.2	8.4	8.7	9.0	8.9	9.1	9.5	9.8	9.5	9.8	10.1	10.5	10.2	10.4	10.8	11.2	10.8	11.0	11.4	11.9												
	Hi PR	147	158	167	174	165	177	187	195	187	202	213	222	213	230	243	253	240	258	273	285	265	285	301	314												
	Lo PR	56	59	65	69	59	63	68	73	61	65	71	76	64	68	75	80	67	72	78	83	70	74	81	86												

3240	MBh	89.78	91.52	95.85	102.26	87.69	89.39	93.62	99.88	85.60	87.26	91.39	97.50	83.52	85.13	89.16	95.12	79.34	80.88	84.70	90.37	73.49	74.92	78.46	83.71
	S/T	0.96	0.92	0.83	0.68	0.99	0.96	0.86	0.70	1.00	0.98	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.96	0.78
	DT	24	24	23	20	25	24	23	20	24	24	23	20	24	24	23	20	23	23	23	20	21	21	21	18
	kW	7.02	7.16	7.36	7.59	7.52	7.67	7.90	8.14	7.96	8.12	8.37	8.63	8.35	8.52	8.79	9.06	8.68	8.86	9.14	9.43	8.97	9.16	9.45	9.75
	Amps	7.9	8.1	8.4	8.7	8.6	8.8	9.1	9.4	9.4	9.6	9.9	10.3	10.0	10.2	10.6	11.0	10.7	10.9	11.3	11.7	11.3	11.6	12.0	12.4
	Hi PR	154	166	175	183	173	186	197	205	197	212	224	234	224	242	255	266	252	272	287	299	279	300	317	331
	Lo PR	59	62	68	73	62	66	72	77	64	68	75	80	68	72	79	84	71	75	82	88	73	78	85	91
	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
	S/T	0.91	0.88	0.80	0.65	0.95	0.91	0.82	0.67	0.97	0.94	0.85	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.91	0.74
	DT	25	25	24	20	26	25	24	21	26	25	24	21	26	26	24	21	25	25	24	21	23	23	22	19
2880	kW	6.97	7.10	7.31	7.53	7.46	7.61	7.84	8.08	7.90	8.06	8.31	8.56	8.29	8.46	8.72	8.99	8.61	8.79	9.07	9.36	8.90	9.08	9.37	9.67
	Amps	7.9	8.1	8.3	8.6	8.5	8.7	9.0	9.4	9.3	9.5	9.8	10.2	9.9	10.2	10.5	10.9	10.6	10.8	11.2	11.6	11.2	11.5	11.9	12.3
	Hi PR	153	165	174	181	172	185	195	203	195	210	222	231	222	239	253	263	250	269	284	296	276	297	314	327
	Lo PR	58	62	67	72	61	65	71	76	64	68	74	79	67	71	78	83	70	75	82	87	73	77	84	90
	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	0.88	0.85	0.77	0.62	0.91	0.88	0.80	0.65	0.94	0.90	0.82	0.66	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.98	0.88	0.71
	DT	26	25	24	21	26	26	24	21	26	26	24	21	26	26	25	21	26	26	24	21	24	24	23	20
	kW	6.81	6.95	7.15	7.36	7.29	7.44	7.66	7.89	7.72	7.87	8.11	8.36	8.09	8.26	8.51	8.78	8.41	8.59	8.85	9.13	8.69	8.87	9.14	9.44
	Amps	7.7	7.8	8.1	8.4	8.3	8.5	8.8	9.1	9.0	9.2	9.5	9.9	9.6	9.9	10.2	10.6	10.3	10.5	10.9	11.3	10.9	11.1	11.5	12.0
	Hi PR	148	160	169	176	166	179	189	197	189	204	215	224	216	232	245	255	242	261	276	287	268	288	304	318
Lo PR	56	60	65	70	59	63	69	74	62	66	72	76	65	69	75	80	68	72	79	84	70	75	82	87	
2520	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	0.88	0.85	0.77	0.62	0.91	0.88	0.80	0.65	0.94	0.90	0.82	0.66	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.98	0.88	0.71
	DT	26	25	24	21	26	26	24	21	26	26	24	21	26	26	25	21	26	26	24	21	24	24	23	20
	kW	6.81	6.95	7.15	7.36	7.29	7.44	7.66	7.89	7.72	7.87	8.11	8.36	8.09	8.26	8.51	8.78	8.41	8.59	8.85	9.13	8.69	8.87	9.14	9.44
	Amps	7.7	7.8	8.1	8.4	8.3	8.5	8.8	9.1	9.0	9.2	9.5	9.9	9.6	9.9	10.2	10.6	10.3	10.5	10.9	11.3	10.9	11.1	11.5	12.0
	Hi PR	148	160	169	176	166	179	189	197	189	204	215	224	216	232	245	255	242	261	276	287	268	288	304	318
	Lo PR	56	60	65	70	59	63	69	74	62	66	72	76	65	69	75	80	68	72	79	84	70	75	82	87

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

EXPANDED COOLING DATA — GSH101203A* / AR120

		OUTDOOR AMBIENT TEMPERATURE																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
IDB	AIRFLOW	ENTERING INDOOR WET BULB TEMPERATURE																																			
70	MBh	106.8	110.7	121.3	-	104.3	108.1	118.5	-	101.8	105.6	115.7	-	99.4	103.0	112.8	-	94.4	97.8	107.2	-	87.4	90.6	99.3	-	87.4	90.6	99.3	-	87.4	90.6	99.3	-	87.4	90.6	99.3	-
	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	-	0.83	0.69	0.48	-	0.83	0.69	0.48	-	0.83	0.69	0.48	-
	ΔT	16	14	10	-	16	14	10	-	16	14	11	-	16	14	11	-	16	14	10	-	15	13	10	-	15	13	10	-	15	13	10	-	15	13	10	-
	kW	8.51	8.69	8.95	-	9.14	9.32	9.61	-	9.68	9.89	10.19	-	10.17	10.38	10.71	-	10.58	10.81	11.15	-	10.94	11.17	11.53	-	10.94	11.17	11.53	-	10.94	11.17	11.53	-	10.94	11.17	11.53	-
	Amps	18.4	18.8	19.5	-	19.9	20.4	21.1	-	21.7	22.3	23.0	-	23.3	23.8	24.7	-	24.8	25.4	26.3	-	26.3	27.0	27.9	-	26.3	27.0	27.9	-	26.3	27.0	27.9	-	26.3	27.0	27.9	-
	Hi PR	138	148	157	-	155	166	176	-	176	189	200	-	200	216	228	-	225	243	256	-	249	268	283	-	249	268	283	-	249	268	283	-	249	268	283	-
	Lo PR	61	64	70	-	64	68	74	-	67	71	77	-	70	74	81	-	73	78	85	-	76	81	88	-	76	81	88	-	76	81	88	-	76	81	88	-
	MBh	103.7	107.5	117.8	-	101.3	105.0	115.0	-	98.9	102.5	112.3	-	96.5	100.0	109.5	-	91.6	95.0	104.1	-	84.9	88.0	96.4	-	84.9	88.0	96.4	-	84.9	88.0	96.4	-	84.9	88.0	96.4	-
	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	-	0.79	0.66	0.46	-	0.79	0.66	0.46	-	0.79	0.66	0.46	-
	ΔT	16	14	11	-	17	14	11	-	17	14	11	-	17	15	11	-	17	14	11	-	15	13	10	-	15	13	10	-	15	13	10	-	15	13	10	-
4000	kW	8.45	8.62	8.88	-	9.07	9.25	9.53	-	9.61	9.81	10.11	-	10.09	10.30	10.63	-	10.50	10.72	11.06	-	10.85	11.08	11.44	-	10.85	11.08	11.44	-	10.85	11.08	11.44	-	10.85	11.08	11.44	-
	Amps	18.2	18.7	19.3	-	19.7	20.2	20.9	-	21.5	22.0	22.8	-	23.0	23.6	24.4	-	24.6	25.2	26.1	-	26.1	26.7	27.7	-	26.1	26.7	27.7	-	26.1	26.7	27.7	-	26.1	26.7	27.7	-
	Hi PR	136	147	155	-	153	165	174	-	174	187	198	-	198	213	225	-	223	240	254	-	247	265	280	-	247	265	280	-	247	265	280	-	247	265	280	-
	Lo PR	60	64	70	-	63	67	74	-	66	70	77	-	69	74	80	-	73	77	84	-	75	80	87	-	75	80	87	-	75	80	87	-	75	80	87	-
	MBh	95.7	99.2	108.7	-	93.5	96.9	106.2	-	91.3	94.6	103.6	-	89.0	92.3	101.1	-	84.6	87.7	96.1	-	78.4	81.2	89.0	-	78.4	81.2	89.0	-	78.4	81.2	89.0	-	78.4	81.2	89.0	-
	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	-	0.76	0.64	0.44	-	0.76	0.64	0.44	-	0.76	0.64	0.44	-
	ΔT	17	14	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	8.26	8.42	8.67	-	8.86	9.04	9.31	-	9.38	9.58	9.87	-	9.85	10.06	10.37	-	10.24	10.46	10.79	-	10.59	10.81	11.16	-	10.59	10.81	11.16	-	10.59	10.81	11.16	-	10.59	10.81	11.16	-
	Amps	17.7	18.1	18.8	-	19.2	19.7	20.3	-	20.9	21.4	22.2	-	22.4	22.9	23.7	-	23.9	24.5	25.3	-	25.3	26.0	26.9	-	25.3	26.0	26.9	-	25.3	26.0	26.9	-	25.3	26.0	26.9	-
	Hi PR	132	142	150	-	149	160	169	-	169	182	192	-	192	207	219	-	216	233	246	-	239	257	272	-	239	257	272	-	239	257	272	-	239	257	272	-
Lo PR	58	62	68	-	61	65	71	-	64	68	74	-	67	71	78	-	70	75	82	-	73	77	84	-	73	77	84	-	73	77	84	-	73	77	84	-	

4500	MBh	108.62	111.84	121.05	129.92	106.10	109.24	118.24	126.90	103.57	106.63	115.42	123.88	101.04	104.03	112.61	120.86	95.99	98.83	106.98	114.81	88.92	91.55	99.09	106.35
	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	17	14	10	18	17	14	10	18	17	14	10	19	17	14	10	18	17	14	10	17	16	13	9
	kW	8.58	8.75	9.02	9.29	9.21	9.40	9.69	9.99	9.76	9.97	10.28	10.60	10.25	10.47	10.80	11.15	10.67	10.90	11.24	11.61	11.03	11.26	11.63	12.01
	Amps	18.6	19.0	19.7	20.4	20.1	20.6	21.3	22.1	21.9	22.5	23.2	24.1	23.5	24.1	24.9	25.9	25.0	25.7	26.6	27.6	26.6	27.2	28.2	29.3
	Hi PR	139	150	158	165	156	168	178	185	178	191	202	211	202	218	230	240	228	245	259	270	252	271	286	298
	Lo PR	61	65	71	76	65	69	75	80	67	71	78	83	71	75	82	87	74	79	86	92	77	81	89	95
	MBh	105.5	108.6	117.5	126.1	103.0	106.1	114.8	123.2	100.6	103.5	112.1	120.3	98.1	101.0	109.3	117.3	93.2	96.0	103.9	111.5	86.3	88.9	96.2	103.3
	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	19	18	14	10	19	18	15	10	19	18	15	10	19	18	15	10	19	18	14	10	18	16	13	9
	kW	8.52	8.69	8.95	9.22	9.14	9.33	9.61	9.91	9.69	9.89	10.20	10.52	10.17	10.39	10.71	11.06	10.58	10.81	11.15	11.51	10.94	11.17	11.53	11.91
	Amps	18.4	18.8	19.5	20.2	19.9	20.4	21.1	21.9	21.7	22.3	23.0	23.9	23.3	23.8	24.7	25.6	24.8	25.4	26.3	27.3	26.3	27.0	27.9	29.0
	Hi PR	138	148	157	163	155	166	176	183	176	189	200	209	200	216	228	237	225	243	256	267	249	268	283	295
	Lo PR	61	64	70	75	64	68	74	79	67	71	77	82	70	74	81	86	73	78	85	91	76	81	88	94
3500	MBh	97.3	100.2	108.5	116.4	95.1	97.9	106.0	113.7	92.8	95.6	103.4	111.0	90.5	93.23	100.9	108.3	86.0	88.6	95.9	102.9	79.7	82.0	88.8	95.3
	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	19	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	19	18	15	10	18	17	14	9
	kW	8.32	8.49	8.74	9.01	8.93	9.11	9.39	9.68	9.46	9.65	9.95	10.27	9.93	10.14	10.45	10.79	10.33	10.55	10.88	11.23	10.67	10.90	11.25	11.61
	Amps	17.9	18.3	18.9	19.7	19.4	19.8	20.5	21.3	21.1	21.6	22.4	23.2	22.6	23.2	24.0	24.9	24.1	24.7	25.6	26.6	25.6	26.2	27.1	28.2
	Hi PR	134	144	152	158	150	161	171	178	171	184	194	202	194	209	221	230	219	235	248	259	242	260	275	286
	Lo PR	59	63	68	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	73	78	85	91

EXPANDED COOLING DATA — GSH101203A* / AR120 (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	110.55	112.97	120.69	129.02	107.98	110.34	117.88	126.02	105.41	107.71	115.08	123.02	102.84	105.08	112.27	120.02	97.70	99.83	106.66	114.02	90.50	92.47	98.80	105.61
	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	20	20	17	14	21	20	17	14	21	20	17	14	21	20	17	14	20	20	17	14	18	18	16	13
	kW	8.65	8.82	9.09	9.37	9.28	9.47	9.76	10.07	9.84	10.05	10.36	10.69	10.33	10.55	10.89	11.24	10.75	10.98	11.34	11.70	11.12	11.36	11.72	12.11
	Amps	18.7	19.2	19.8	20.6	20.3	20.8	21.5	22.4	22.1	22.7	23.5	24.4	23.7	24.3	25.1	26.1	25.3	25.9	26.8	27.9	26.8	27.5	28.5	29.6
	Hi PR	141	151	160	167	158	170	179	187	179	193	204	213	204	220	232	242	230	247	261	273	254	273	289	301
	Lo PR	62	66	72	76	65	69	76	81	68	72	79	84	71	76	83	88	75	80	87	92	77	82	90	96
	MBh	107.3	109.7	117.2	125.3	104.8	107.1	114.5	122.3	102.3	104.6	111.7	119.4	99.8	102.0	109.0	116.5	94.9	96.9	103.6	110.7	87.9	89.8	95.9	102.5
	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	21	20	18	14	21	21	18	14	21	21	18	14	22	21	18	14	21	20	18	14	20	19	17	13
3500	kW	8.58	8.75	9.02	9.29	9.21	9.40	9.69	9.99	9.76	9.97	10.28	10.61	10.25	10.47	10.80	11.15	10.67	10.90	11.24	11.61	11.03	11.26	11.63	12.01
	Amps	18.6	19.0	19.7	20.4	20.1	20.6	21.3	22.1	21.9	22.5	23.2	24.1	23.5	24.1	24.9	25.9	25.0	25.7	26.6	27.6	26.6	27.2	28.2	29.3
	Hi PR	139	150	158	165	156	168	178	185	178	191	202	211	202	218	230	240	228	245	259	270	252	271	286	298
	Lo PR	61	65	71	76	65	69	75	80	67	72	78	83	71	75	82	87	74	79	86	92	77	81	89	95
	MBh	99.1	101.2	108.2	115.6	96.8	98.9	105.6	112.9	94.5	96.5	103.1	110.2	92.2	94.2	100.6	107.5	87.5	89.5	95.6	102.2	81.1	82.9	88.5	94.6
	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	22	21	18	14	22	21	18	15	22	21	18	15	22	21	18	15	22	21	18	14	20	19	17	14
	kW	8.39	8.55	8.81	9.08	9.00	9.18	9.46	9.75	9.53	9.73	10.03	10.35	10.01	10.22	10.54	10.88	10.41	10.63	10.97	11.32	10.76	10.99	11.34	11.71
	Amps	18.0	18.5	19.1	19.8	19.5	20.0	20.7	21.5	21.3	21.8	22.6	23.5	22.8	23.4	24.2	25.1	24.3	24.9	25.8	26.8	25.8	26.5	27.4	28.5
	Hi PR	135	145	153	160	152	163	172	180	172	186	196	204	196	211	223	233	221	238	251	262	244	263	277	289
Lo PR	59	63	69	73	63	67	73	78	65	69	76	81	68	73	80	85	72	76	83	89	74	79	86	92	
85	MBh	112.48	114.66	120.09	128.11	109.87	111.99	117.29	125.14	107.25	109.33	114.50	122.16	104.64	106.66	111.71	119.18	99.40	101.33	106.12	113.22	92.08	93.86	98.30	104.88
	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	22	21	20	17	22	22	20	18	22	22	20	18	21	22	21	18	20	21	20	18	19	19	19	16
	kW	8.71	8.89	9.16	9.44	9.35	9.54	9.84	10.15	9.92	10.13	10.44	10.78	10.42	10.64	10.97	11.33	10.84	11.07	11.43	11.80	11.21	11.45	11.82	12.21
	Amps	18.9	19.4	20.0	20.8	20.5	21.0	21.7	22.6	22.3	22.9	23.7	24.6	23.9	24.5	25.4	26.4	25.5	26.2	27.1	28.1	27.1	27.8	28.7	29.9
	Hi PR	142	153	161	168	159	172	181	189	181	195	206	215	206	222	235	245	232	250	264	275	257	276	292	304
	Lo PR	62	66	73	77	66	70	77	82	69	73	80	85	72	77	84	89	75	80	88	93	78	83	91	97
	MBh	109.2	111.3	116.6	124.4	106.7	108.7	113.9	121.5	104.1	106.1	111.2	118.6	101.6	103.6	108.5	115.7	96.5	98.4	103.0	109.9	89.4	91.1	95.4	101.8
	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	23	22	21	18	23	23	21	18	23	23	21	18	23	23	21	19	22	22	21	18	21	21	20	17
3500	kW	8.65	8.82	9.09	9.37	9.28	9.47	9.76	10.07	9.84	10.05	10.36	10.69	10.33	10.55	10.89	11.24	10.75	10.98	11.34	11.70	11.12	11.36	11.72	12.11
	Amps	18.7	19.2	19.8	20.6	20.3	20.8	21.5	22.4	22.1	22.7	23.5	24.4	23.7	24.3	25.1	26.1	25.3	25.9	26.8	27.9	26.8	27.5	28.5	29.6
	Hi PR	141	151	160	167	158	170	179	187	179	193	204	213	204	220	232	242	230	247	261	273	254	273	289	301
	Lo PR	62	66	72	76	65	69	76	81	68	72	79	84	71	76	83	88	75	80	87	92	77	82	90	96
	MBh	100.8	102.7	107.6	114.8	98.5	100.4	105.1	112.1	96.1	98.0	102.6	109.5	93.8	95.6	100.1	106.8	89.1	90.8	95.1	101.5	82.5	84.1	88.1	94.0
	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	23	23	21	19	23	23	22	19	23	23	22	19	23	23	22	19	23	23	22	19	22	21	20	17
	kW	8.45	8.62	8.88	9.15	9.06	9.25	9.53	9.83	9.61	9.81	10.11	10.43	10.09	10.30	10.62	10.96	10.49	10.72	11.06	11.42	10.85	11.08	11.43	11.81
	Amps	18.2	18.7	19.3	20.0	19.7	20.2	20.9	21.7	21.5	22.0	22.8	23.7	23.0	23.6	24.4	25.4	24.6	25.2	26.0	27.1	26.1	26.7	27.6	28.7
	Hi PR	136	147	155	162	153	165	174	181	174	187	198	206	198	213	225	235	223	240	253	264	246	265	280	292
Lo PR	60	64	70	74	63	67	74	78	66	70	76	81	69	74	80	86	72	77	84	90	75	80	87	93	

EXPANDED COOLING DATA — GSH101204A* / AR120

		OUTDOOR AMBIENT TEMPERATURE																							
		65°F				75°F				85°F				95°F				105°F				115°F			
IDB	AIRFLOW	ENTERING INDOOR WET BULB TEMPERATURE																							
70		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	106.8	110.7	121.3	-	104.3	108.1	118.5	-	101.8	105.6	115.7	-	99.4	103.0	112.8	-	94.4	97.8	107.2	-	87.4	90.6	99.3	-
	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	-
	DT	16	14	10	-	16	14	10	-	16	14	11	-	16	14	11	-	16	14	10	-	15	13	10	-
	kW	8.48	8.65	8.91	-	9.10	9.28	9.57	-	9.64	9.84	10.15	-	10.12	10.34	10.66	-	10.53	10.76	11.10	-	10.88	11.12	11.48	-
	Amps	8.8	9.0	9.3	-	9.5	9.8	10.1	-	10.4	10.6	11.0	-	11.1	11.4	11.8	-	11.9	12.1	12.6	-	12.6	12.9	13.3	-
	Hi PR	138	148	157	-	155	166	176	-	176	189	200	-	200	216	228	-	225	243	256	-	249	268	283	-
	Lo PR	61	64	70	-	64	68	74	-	67	71	77	-	70	74	81	-	73	78	85	-	76	81	88	-
	MBh	103.7	107.5	117.8	-	101.3	105.0	115.0	-	98.9	102.5	112.3	-	96.5	100.0	109.5	-	91.6	95.0	104.1	-	84.9	88.0	96.4	-
	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	-
	DT	16	14	11	-	17	14	11	-	17	14	11	-	17	15	11	-	17	14	11	-	15	13	10	-
	kW	8.41	8.58	8.84	-	9.03	9.21	9.49	-	9.57	9.77	10.07	-	10.04	10.25	10.58	-	10.45	10.67	11.01	-	10.80	11.03	11.38	-
Amps	8.7	9.0	9.3	-	9.5	9.7	10.0	-	10.3	10.6	10.9	-	11.0	11.3	11.7	-	11.7	12.0	12.4	-	12.5	12.8	13.2	-	
Hi PR	136	147	155	-	153	165	174	-	174	187	198	-	198	213	225	-	223	240	254	-	247	265	280	-	
Lo PR	60	64	70	-	63	67	74	-	66	70	77	-	69	74	80	-	73	77	84	-	75	80	87	-	
3500	MBh	95.7	99.2	108.7	-	93.5	96.9	106.2	-	91.3	94.6	103.6	-	89.0	92.3	101.1	-	84.6	87.7	96.1	-	78.4	81.2	89.0	-
	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	-
	DT	17	14	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
	kW	8.23	8.39	8.64	-	8.82	9.00	9.27	-	9.34	9.54	9.83	-	9.80	10.01	10.32	-	10.20	10.41	10.74	-	10.54	10.76	11.10	-
	Amps	8.5	8.7	9.0	-	9.2	9.4	9.7	-	10.0	10.3	10.6	-	10.7	11.0	11.3	-	11.4	11.7	12.1	-	12.1	12.4	12.8	-
	Hi PR	132	142	150	-	149	160	169	-	169	182	192	-	192	207	219	-	216	233	246	-	239	257	272	-
	Lo PR	58	62	68	-	61	65	71	-	64	68	74	-	67	71	78	-	70	75	82	-	73	77	84	-

75	MBh	108.62	111.84	121.05	129.92	106.10	109.24	118.24	126.90	103.57	106.63	115.42	123.88	101.04	104.03	112.61	120.86	95.99	98.83	106.98	114.81	88.92	91.55	99.09	106.35
	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
	DT	18	17	14	10	18	17	14	10	18	17	14	10	19	17	14	10	18	17	14	10	17	16	13	9
	kW	8.54	8.71	8.98	9.25	9.17	9.36	9.64	9.94	9.72	9.92	10.23	10.56	10.20	10.42	10.75	11.10	10.62	10.84	11.19	11.55	10.97	11.21	11.57	11.95
	Amps	8.9	9.1	9.4	9.8	9.6	9.9	10.2	10.6	10.5	10.8	11.1	11.5	11.2	11.5	11.9	12.4	12.0	12.3	12.7	13.2	12.7	13.0	13.5	14.0
	Hi PR	139	150	158	165	156	168	178	185	178	191	202	211	202	218	230	240	228	245	259	270	252	271	286	298
	Lo PR	61	65	71	76	65	69	75	80	67	71	78	83	71	75	82	87	74	79	86	92	77	81	89	95
	MBh	105.5	108.6	117.5	126.1	103.0	106.1	114.8	123.2	100.6	103.5	112.1	120.3	98.1	101.0	109.3	117.3	93.2	96.0	103.9	111.5	86.3	88.9	96.2	103.3
	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
	DT	19	18	14	10	19	18	15	10	19	18	15	10	19	18	15	10	19	18	14	10	18	16	13	9
	kW	8.48	8.65	8.91	9.18	9.10	9.28	9.57	9.87	9.64	9.84	10.15	10.47	10.12	10.34	10.66	11.01	10.53	10.76	11.10	11.46	10.89	11.12	11.48	11.85
	Amps	8.8	9.0	9.3	9.7	9.5	9.8	10.1	10.5	10.4	10.7	11.0	11.4	11.1	11.4	11.8	12.2	11.9	12.1	12.6	13.1	12.6	12.9	13.3	13.8
	Hi PR	138	148	157	163	155	166	176	183	176	189	200	209	200	216	228	237	225	243	256	267	249	268	283	295
	Lo PR	61	64	70	75	64	68	74	79	67	71	77	82	70	74	81	86	73	78	85	91	76	81	88	94
3500	MBh	97.3	100.2	108.5	116.4	95.1	97.9	106.0	113.7	92.8	95.6	103.4	111.0	90.5	93.23	100.9	108.3	86.0	88.6	95.9	102.9	79.7	82.0	88.8	95.3
	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
	DT	19	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	19	18	15	10	18	17	14	9
	kW	8.29	8.45	8.70	8.97	8.89	9.07	9.34	9.63	9.42	9.61	9.91	10.22	9.88	10.09	10.41	10.74	10.28	10.50	10.83	11.18	10.62	10.85	11.20	11.56
	Amps	8.6	8.8	9.1	9.4	9.3	9.5	9.8	10.2	10.1	10.4	10.7	11.1	10.8	11.1	11.5	11.9	11.5	11.8	12.2	12.7	12.2	12.5	13.0	13.5
	Hi PR	134	144	152	158	150	161	171	178	171	184	194	202	194	209	221	230	219	235	248	259	242	260	275	286
	Lo PR	59	63	68	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	73	78	85	91

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 — GSH101204A* / AR120 (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	110.55	112.97	120.69	129.02	107.98	110.34	117.88	126.02	105.41	107.71	115.08	123.02	102.84	105.08	112.27	120.02	97.70	99.83	106.66	114.02	90.50	92.47	98.80	105.61
	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	20	20	17	14	21	20	17	14	21	20	17	14	21	20	17	14	20	20	17	14	18	18	16	13
	kW	8.61	8.78	9.05	9.32	9.24	9.43	9.72	10.02	9.79	10.00	10.31	10.64	10.29	10.50	10.84	11.19	10.70	10.93	11.28	11.65	11.06	11.30	11.67	12.05
	Amps	9.0	9.2	9.5	9.9	9.7	10.0	10.3	10.7	10.6	10.9	11.2	11.7	11.3	11.6	12.0	12.5	12.1	12.4	12.8	13.3	12.8	13.1	13.6	14.1
	Hi PR	141	151	160	167	158	170	179	187	179	193	204	213	204	220	232	242	230	247	261	273	254	273	289	301
	Lo PR	62	66	72	76	65	69	76	81	68	72	79	84	71	76	83	88	75	80	87	92	77	82	90	96
	MBh	107.3	109.7	117.2	125.3	104.8	107.1	114.5	122.3	102.3	104.6	111.7	119.4	99.8	102.0	109.0	116.5	94.9	96.9	103.6	110.7	87.9	89.8	95.9	102.5
	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	21	20	18	14	21	21	18	14	21	21	18	14	22	21	18	14	21	20	18	14	20	19	17	13
	kW	8.54	8.72	8.98	9.25	9.17	9.36	9.64	9.94	9.72	9.92	10.23	10.56	10.21	10.42	10.75	11.10	10.62	10.85	11.19	11.55	10.98	11.21	11.57	11.95
	Amps	8.9	9.1	9.4	9.8	9.6	9.9	10.2	10.6	10.5	10.8	11.1	11.5	11.2	11.5	11.9	12.4	12.0	12.3	12.7	13.2	12.7	13.0	13.5	14.0
	Hi PR	139	150	158	165	156	168	178	185	178	191	202	211	202	218	230	240	228	245	259	270	252	271	286	298
	Lo PR	61	65	71	76	65	69	75	80	67	72	78	83	71	75	82	87	74	79	86	92	77	81	89	95
85	MBh	99.1	101.2	108.2	115.6	96.8	98.9	105.6	112.9	94.5	96.5	103.1	110.2	92.2	94.2	100.6	107.5	87.5	89.5	95.6	102.2	81.1	82.9	88.5	94.6
	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	22	21	18	14	22	21	18	15	22	21	18	15	22	21	18	15	22	21	18	14	20	19	17	14
	kW	8.35	8.52	8.77	9.04	8.96	9.14	9.42	9.71	9.49	9.69	9.99	10.30	9.96	10.17	10.49	10.83	10.36	10.58	10.92	11.27	10.71	10.94	11.29	11.66
	Amps	8.7	8.9	9.2	9.5	9.4	9.6	9.9	10.3	10.2	10.4	10.8	11.2	10.9	11.2	11.6	12.0	11.6	11.9	12.3	12.8	12.3	12.6	13.1	13.6
	Hi PR	135	145	153	160	152	163	172	180	172	186	196	204	196	211	223	233	221	238	251	262	244	263	277	289
	Lo PR	59	63	69	73	63	67	73	78	65	69	76	81	68	73	80	85	72	76	83	89	74	79	86	92
	MBh	112.48	114.66	120.09	128.11	109.87	111.99	117.29	125.14	107.25	109.33	114.50	122.16	104.64	106.66	111.71	119.18	99.40	101.33	106.12	113.22	92.08	93.86	98.30	104.88
	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	22	21	20	17	22	22	20	18	22	22	20	18	21	22	21	18	20	21	20	18	19	19	19	16
	kW	8.67	8.85	9.11	9.40	9.31	9.50	9.79	10.10	9.87	10.08	10.39	10.73	10.37	10.59	10.92	11.28	10.79	11.02	11.37	11.74	11.15	11.39	11.76	12.15
	Amps	9.1	9.3	9.6	10.0	9.8	10.1	10.4	10.8	10.7	11.0	11.3	11.8	11.4	11.7	12.1	12.6	12.2	12.5	12.9	13.4	12.9	13.3	13.7	14.2
	Hi PR	142	153	161	168	159	172	181	189	181	195	206	215	206	222	235	245	232	250	264	275	257	276	292	304
	Lo PR	62	66	73	77	66	70	77	82	69	73	80	85	72	77	84	89	75	80	88	93	78	83	91	97
3500	MBh	109.2	111.3	116.6	124.4	106.7	108.7	113.9	121.5	104.1	106.1	111.2	118.6	101.6	103.6	108.5	115.7	96.5	98.4	103.0	109.9	89.4	91.1	95.4	101.8
	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	23	22	21	18	23	23	21	18	23	23	21	18	23	23	21	19	22	22	21	18	21	21	20	17
	kW	8.61	8.78	9.05	9.32	9.24	9.43	9.72	10.02	9.79	10.00	10.31	10.64	10.29	10.50	10.84	11.19	10.70	10.93	11.28	11.65	11.06	11.30	11.67	12.05
	Amps	9.0	9.2	9.5	9.9	9.7	10.0	10.3	10.7	10.6	10.9	11.2	11.7	11.3	11.6	12.0	12.5	12.1	12.4	12.8	13.3	12.8	13.1	13.6	14.1
	Hi PR	141	151	160	167	158	170	179	187	179	193	204	213	204	220	232	242	230	247	261	273	254	273	289	301
	Lo PR	62	66	72	76	65	69	76	81	68	72	79	84	71	76	83	88	75	80	87	92	77	82	90	96
	MBh	100.8	102.7	107.6	114.8	98.5	100.4	105.1	112.1	96.1	98.0	102.6	109.5	93.8	95.6	100.1	106.8	89.1	90.8	95.1	101.5	82.5	84.1	88.1	94.0
	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	23	23	21	19	23	23	22	19	23	23	22	19	23	23	22	19	23	23	22	19	22	21	20	17
	kW	8.41	8.58	8.84	9.11	9.02	9.21	9.49	9.79	9.56	9.76	10.07	10.38	10.04	10.25	10.57	10.91	10.45	10.67	11.01	11.36	10.79	11.03	11.38	11.75
	Amps	8.7	8.9	9.2	9.6	9.5	9.7	10.0	10.4	10.3	10.5	10.9	11.3	11.0	11.3	11.7	12.1	11.7	12.0	12.4	12.9	12.4	12.8	13.2	13.7
	Hi PR	136	147	155	162	153	165	174	181	174	187	198	206	198	213	225	235	223	240	253	264	246	265	280	292
	Lo PR	60	64	70	74	63	67	74	78	66	70	76	81	69	74	80	86	72	77	84	90	75	80	87	93

GSH13 EXPANDED HEATING DATA

GSH130363A* / ARUF49-00*-1* / ARUF36421A*

	OUTDOOR AMBIENT TEMPERATURE																	
	65°F	60°F	55°F	50°F	47°F	45°F	40°F	35°F	30°F	25°F	20°F	17°F	15°F	10°F	5°F	0°F	-5°F	-10°F
MBh	40.2	38.1	35.8	33.5	32.0	31.0	28.8	26.6	19.9	18.4	16.9	16.0	15.4	13.8	12.3	10.7	9.1	7.5
ΔT	29.2	27.7	26.0	24.3	23.2	22.5	20.9	19.3	14.5	13.4	12.3	11.6	11.2	10.0	8.9	7.8	6.6	5.4
kW	2.80	2.75	2.70	2.64	2.61	2.59	2.54	2.49	2.47	2.41	2.36	2.33	2.31	2.25	2.20	2.15	2.09	2.04
Amps	11.0	10.2	9.6	9.1	8.7	8.6	8.1	7.7	7.4	7.1	6.8	6.6	6.5	6.2	5.8	5.5	5.1	4.7
COP	4.20	4.05	3.89	3.71	3.58	3.50	3.32	3.13	2.36	2.23	2.10	2.01	1.95	1.79	1.63	1.46	1.27	1.07
EER	14.4	13.9	13.3	12.7	12.2	12.0	11.3	10.7	8.1	7.6	7.2	6.9	6.7	6.1	5.6	5.0	4.4	3.7
Hi PR	219	210	202	193	189	185	178	171	164	156	150	146	144	138	133	128	123	119
Lo PR	78	72	67	62	58	56	52	46	42	37	33	30	29	25	21	18	16	12

GSH130483A* / ARUF61-00*-1* / ARUF48601A*

	OUTDOOR AMBIENT TEMPERATURE																	
	65°F	60°F	55°F	50°F	47°F	45°F	40°F	35°F	30°F	25°F	20°F	17°F	15°F	10°F	5°F	0°F	-5°F	-10°F
MBh	54.1	51.2	48.2	45.0	43.0	41.7	38.7	35.7	33.6	31.1	28.6	27.0	26.0	23.3	20.7	18.0	15.4	12.6
ΔT	31.3	29.6	27.9	26.1	24.9	24.1	22.4	20.7	19.5	18.0	16.5	15.6	15.0	13.5	12.0	10.4	8.9	7.3
kW	3.71	3.64	3.57	3.50	3.45	3.42	3.35	3.28	3.34	3.26	3.19	3.14	3.11	3.04	2.96	2.89	2.81	2.74
Amps	14.6	13.6	12.7	12.0	11.6	11.3	10.7	10.2	9.8	9.3	8.9	8.7	8.6	8.2	7.7	7.2	6.7	6.1
COP	4.26	4.11	3.95	3.77	3.64	3.56	3.38	3.18	2.95	2.79	2.63	2.51	2.44	2.25	2.04	1.83	1.60	1.35
EER	14.6	14.1	13.5	12.9	12.4	12.2	11.5	10.9	10.1	9.5	9.0	8.6	8.4	7.7	7.0	6.2	5.5	4.6
Hi PR	224	215	206	197	193	189	182	174	167	159	153	149	147	141	136	130	126	121
Lo PR	73	68	64	58	55	53	49	44	39	35	31	29	28	23	20	17	15	12

GSH130484A* / AR*F486016B*

	OUTDOOR AMBIENT TEMPERATURE																	
	65°F	60°F	55°F	50°F	47°F	45°F	40°F	35°F	30°F	25°F	20°F	17°F	15°F	10°F	5°F	0°F	-5°F	-10°F
MBh	54.1	51.2	48.2	45.0	43.0	41.7	38.7	35.7	33.6	31.1	28.6	27.0	26.0	23.3	20.7	18.0	15.4	12.6
ΔT	30.6	29.0	27.3	25.5	24.4	23.6	21.9	20.2	19.1	17.6	16.2	15.3	14.7	13.2	11.7	10.2	8.7	7.1
kW	3.83	3.83	3.83	3.84	3.84	3.84	3.84	3.85	3.83	3.83	3.84	3.84	3.84	3.84	3.85	3.85	3.85	3.86
Amps	7.0	7.0	7.1	7.1	7.1	7.1	7.1	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.3	7.3	7.3	7.3
COP	4.13	3.91	3.68	3.43	3.28	3.18	2.95	2.72	2.57	2.37	2.18	2.06	1.98	1.78	1.57	1.37	1.17	0.96
EER	14.1	13.4	12.6	11.7	11.2	10.9	10.1	9.3	8.8	8.1	7.5	7.0	6.8	6.1	5.4	4.7	4.0	3.3
Hi PR	252	242	232	222	217	213	205	196	188	180	172	168	165	159	153	147	141	136
Lo PR	76	71	66	61	57	55	51	45	41	36	32	30	29	24	21	18	15	12

GSH130603A* / ARUF61-00*-1* / ARUF48601A*

	OUTDOOR AMBIENT TEMPERATURE																	
	65°F	60°F	55°F	50°F	47°F	45°F	40°F	35°F	30°F	25°F	20°F	17°F	15°F	10°F	5°F	0°F	-5°F	-10°F
MBh	69.8	66.0	62.2	58.1	55.5	53.8	50.0	46.1	43.6	40.3	37.1	35.0	33.7	30.2	26.8	23.4	20.0	16.3
ΔT	35.9	34.0	32.0	29.9	28.5	27.7	25.7	23.7	22.4	20.7	19.1	18.0	17.3	15.6	13.8	12.0	10.3	8.4
kW	5.58	5.47	5.35	5.24	5.17	5.12	5.01	4.89	4.37	4.27	4.17	4.11	4.07	3.96	3.86	3.76	3.65	3.55
Amps	22.1	20.4	19.1	18.0	17.3	17.0	16.0	15.2	14.5	13.9	13.2	12.9	12.7	12.1	11.2	10.6	9.8	8.8
COP	3.66	3.54	3.40	3.25	3.14	3.07	2.92	2.75	2.92	2.76	2.60	2.49	2.43	2.23	2.03	1.82	1.60	1.35
EER	12.5	12.1	11.6	11.1	10.7	10.5	10.0	9.4	10.0	9.4	8.9	8.5	8.3	7.6	6.9	6.2	5.5	4.6
Hi PR	273	262	252	241	235	231	222	213	204	195	187	182	179	172	166	159	153	148
Lo PR	72	67	63	58	54	52	48	43	39	35	30	28	27	23	20	17	15	11

GSH130604A* / AR*F486016B*

	OUTDOOR AMBIENT TEMPERATURE																	
	65°F	60°F	55°F	50°F	47°F	45°F	40°F	35°F	30°F	25°F	20°F	17°F	15°F	10°F	5°F	0°F	-5°F	-10°F
MBh	69.8	66.0	62.2	58.1	55.5	53.8	50.0	46.1	43.6	40.3	37.1	35.0	33.7	30.2	26.8	23.4	20.0	16.3
T/R	34.3	32.5	30.6	28.6	27.3	26.4	24.6	22.7	21.4	19.8	18.2	17.2	16.6	14.9	13.2	11.5	9.8	8.0
kW	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.89	4.90	4.90	4.90
Amps	8.5	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
COP	4.18	3.96	3.72	3.48	3.32	3.22	2.99	2.76	2.61	2.41	2.22	2.09	2.02	1.81	1.60	1.40	1.19	0.98
EER	14.3	13.5	12.7	11.9	11.3	11.0	10.2	9.4	8.9	8.2	7.6	7.2	6.9	6.2	5.5	4.8	4.1	3.3
HI PR	270	259	249	238	232	228	219	210	201	192	185	180	177	170	164	157	151	146
LO PR	77	71	67	61	58	56	51	46	41	37	32	30	29	25	21	18	16	12

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

GSH10 EXPANDED HEATING DATA

GSH100903A* / AR090

	OUTDOOR AMBIENT TEMPERATURE																	
	65°F	60°F	55°F	50°F	47°F	45°F	40°F	35°F	30°F	25°F	20°F	17°F	15°F	10°F	5°F	0°F	-5°F	-10°F
MBh	103.1	97.6	91.8	85.9	82.0	79.5	73.8	68.1	66.0	61.0	56.1	53.0	51.0	45.8	40.6	35.4	30.2	24.8
ΔT	33.1	31.4	29.5	27.6	26.4	25.5	23.7	21.9	21.2	19.6	18.0	17.0	16.4	14.7	13.1	11.4	9.7	8.0
kW	8.04	7.89	7.74	7.59	7.50	7.44	7.29	7.14	7.48	7.32	7.16	7.06	7.00	6.83	6.67	6.51	6.34	6.18
Amps	24.4	22.6	21.1	19.8	19.1	18.7	17.6	16.7	16.0	15.3	14.5	14.2	14.0	13.3	12.4	11.6	10.7	9.6
COP	3.75	3.62	3.47	3.31	3.20	3.13	2.96	2.79	2.58	2.44	2.30	2.20	2.14	1.96	1.78	1.59	1.39	1.17
EER	12.8	12.4	11.9	11.3	10.9	10.7	10.1	9.5	8.8	8.3	7.8	7.5	7.3	6.7	6.1	5.4	4.8	4.0
Hi PR	244	234	225	215	210	206	198	190	182	174	167	163	160	154	148	142	137	132
Lo PR	72	66	62	57	54	52	48	43	38	34	30	28	27	23	20	17	15	11

GSH100903B* / AR090

	OUTDOOR AMBIENT TEMPERATURE																	
	65°F	60°F	55°F	50°F	47°F	45°F	40°F	35°F	30°F	25°F	20°F	17°F	15°F	10°F	5°F	0°F	-5°F	-10°F
MBh	105.8	100.1	94.2	88.1	84.1	81.5	75.7	69.8	64.1	59.1	54.5	51.4	49.5	44.4	39.4	34.3	29.3	24.0
ΔT	32.1	30.4	28.6	26.7	25.5	24.8	23.0	21.2	19.5	18.0	16.5	15.6	15.0	13.5	12.0	10.4	8.9	7.3
kW	8.03	7.88	7.73	7.58	7.49	7.42	7.28	7.12	7.95	7.77	7.59	7.49	7.42	7.24	7.06	6.88	6.70	6.52
Amps	30.2	28.1	26.4	24.9	24.1	23.7	22.4	21.4	20.5	19.7	18.8	18.4	18.2	17.4	16.3	15.5	14.4	13.2
COP	3.85	3.72	3.57	3.40	3.29	3.21	3.05	2.87	2.36	2.23	2.10	2.01	1.95	1.80	1.63	1.46	1.28	1.08
EER	13.2	12.7	12.2	11.6	11.2	11.0	10.4	9.8	8.1	7.6	7.2	6.9	6.7	6.1	5.6	5.0	4.4	3.7
Hi PR	268	257	247	236	230	226	217	209	200	191	183	179	176	169	162	156	150	145
Lo PR	72	67	63	57	54	52	48	43	39	34	30	28	27	23	20	17	15	11

GSH100904A* / AR090

	OUTDOOR AMBIENT TEMPERATURE																	
	65°F	60°F	55°F	50°F	47°F	45°F	40°F	35°F	30°F	25°F	20°F	17°F	15°F	10°F	5°F	0°F	-5°F	-10°F
MBh	105.6	100.0	94.1	87.9	84.0	81.4	75.6	69.7	63.5	58.7	54.0	51.0	49.1	44.1	39.1	34.1	29.1	23.8
ΔT	32.1	30.4	28.6	26.7	25.5	24.7	23.0	21.2	19.3	17.8	16.4	15.5	14.9	13.4	11.9	10.3	8.8	7.2
kW	8.08	7.93	7.77	7.62	7.53	7.46	7.32	7.16	8.00	7.81	7.64	7.53	7.46	7.28	7.10	6.92	6.74	6.56
Amps	15.1	14.0	13.2	12.5	12.1	11.8	11.2	10.7	10.3	9.8	9.4	9.2	9.1	8.7	8.2	7.7	7.2	6.6
COP	3.82	3.69	3.54	3.38	3.26	3.19	3.02	2.85	2.33	2.20	2.07	1.98	1.93	1.77	1.61	1.44	1.26	1.06
EER	13.1	12.6	12.1	11.5	11.2	10.9	10.3	9.7	7.9	7.5	7.1	6.8	6.6	6.1	5.5	4.9	4.3	3.6
Hi PR	268	257	247	236	230	226	217	209	200	191	183	179	176	169	162	156	150	145
Lo PR	72	67	63	57	54	52	48	43	39	34	30	28	27	23	20	17	15	11

GSH101203A* / AR120

	OUTDOOR AMBIENT TEMPERATURE																	
	65°F	60°F	55°F	50°F	47°F	45°F	40°F	35°F	30°F	25°F	20°F	17°F	15°F	10°F	5°F	0°F	-5°F	-10°F
MBh	132.6	125.5	118.2	110.5	105.5	102.2	95.0	87.6	85.4	78.8	72.5	68.5	66.0	59.2	52.5	45.8	39.0	32.0
ΔT	30.7	29.1	27.4	25.6	24.4	23.7	22.0	20.3	19.8	18.2	16.8	15.9	15.3	13.7	12.1	10.6	9.0	7.4
kW	10.41	10.21	10.01	9.81	9.70	9.62	9.43	9.23	9.69	9.47	9.26	9.13	9.05	8.83	8.62	8.41	8.19	7.98
Amps	28.3	26.2	24.5	23.0	22.1	21.7	20.4	19.3	18.4	17.6	16.7	16.3	16.1	15.2	14.1	13.3	12.2	10.9
COP	3.73	3.60	3.45	3.29	3.18	3.11	2.95	2.78	2.58	2.44	2.29	2.20	2.13	1.96	1.78	1.59	1.40	1.17
EER	12.7	12.3	11.8	11.3	10.9	10.6	10.1	9.5	8.8	8.3	7.8	7.5	7.3	6.7	6.1	5.4	4.8	4.0
Hi PR	221	212	203	195	190	186	179	172	165	157	151	147	145	139	134	128	124	120
Lo PR	66	62	58	53	50	48	44	39	36	32	28	26	25	21	18	15	13	11

GSH101204A* / AR120

	OUTDOOR AMBIENT TEMPERATURE																	
	65°F	60°F	55°F	50°F	47°F	45°F	40°F	35°F	30°F	25°F	20°F	17°F	15°F	10°F	5°F	0°F	-5°F	-10°F
MBh	125.7	119.0	112.0	104.7	100.0	96.9	90.0	83.0	78.5	72.5	66.7	63.0	60.7	54.4	48.3	42.1	35.9	29.4
ΔT	34.5	32.7	30.7	28.7	27.5	26.6	24.7	22.8	21.5	19.9	18.3	17.3	16.7	14.9	13.2	11.6	9.9	8.1
kW	9.54	9.37	9.20	9.02	8.93	8.85	8.69	8.52	9.45	9.24	9.04	8.93	8.85	8.64	8.44	8.25	8.04	7.84
Amps	16.7	15.5	14.5	13.7	13.3	13.0	12.3	11.7	11.3	10.8	10.3	10.1	10.0	9.5	8.9	8.4	7.8	7.1
COP	3.86	3.72	3.56	3.40	3.28	3.20	3.03	2.85	2.43	2.29	2.16	2.07	2.01	1.84	1.67	1.49	1.31	1.10
EER	13.2	12.7	12.2	11.6	11.2	10.9	10.4	9.7	8.3	7.8	7.4	7.1	6.9	6.3	5.7	5.1	4.5	3.8
Hi PR	249	239	230	220	215	210	202	194	186	178	171	166	163	157	151	145	140	135
Lo PR	67	62	58	53	50	48	45	40	36	32	28	26	25	21	18	15	14	11

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

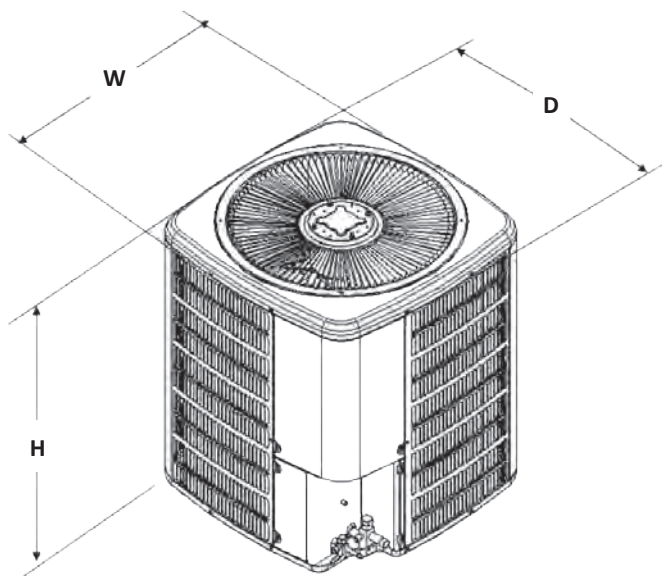
Low pressure is measured at the gauge port connection.

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

Amps = Outdoor unit amps (comp.+fan)

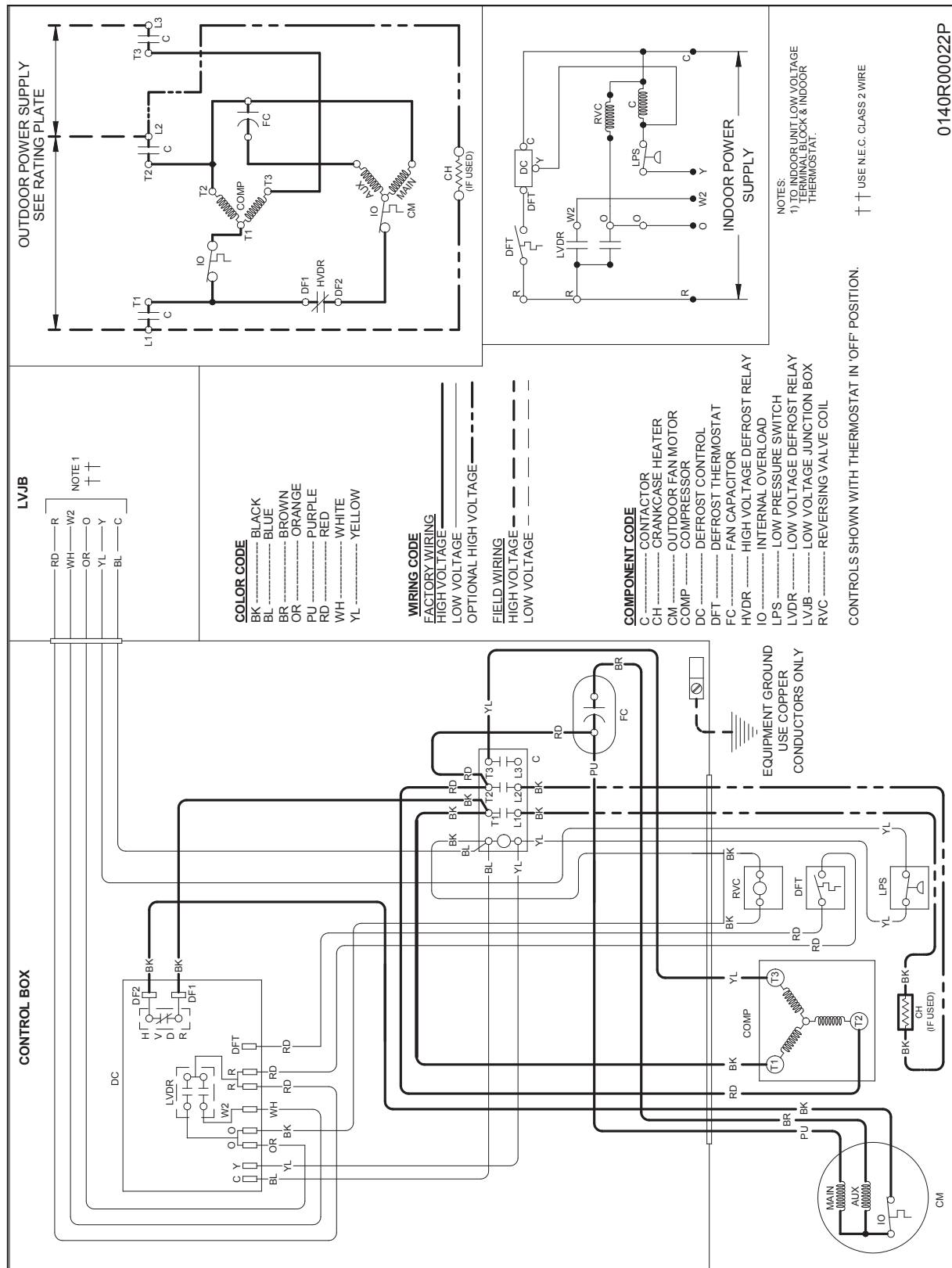
kW = Total system power

DIMENSIONS



MODEL	DIMENSIONS		
	W"	D"	H"
GSH130363**	29	29	38¾
GSH130483**	29	29	34¾
GSH130484**	29	29	34¾
GSH130603**	35½	35½	34¾
GSH130604**	35½	35½	34¾
GSH100903**	35½	35½	37¾
GSH100904**	35½	35½	37¾
GSH101203**	35½	35½	37¾
GSH101204**	35½	35½	37¾

GSH13 WIRING DIAGRAM



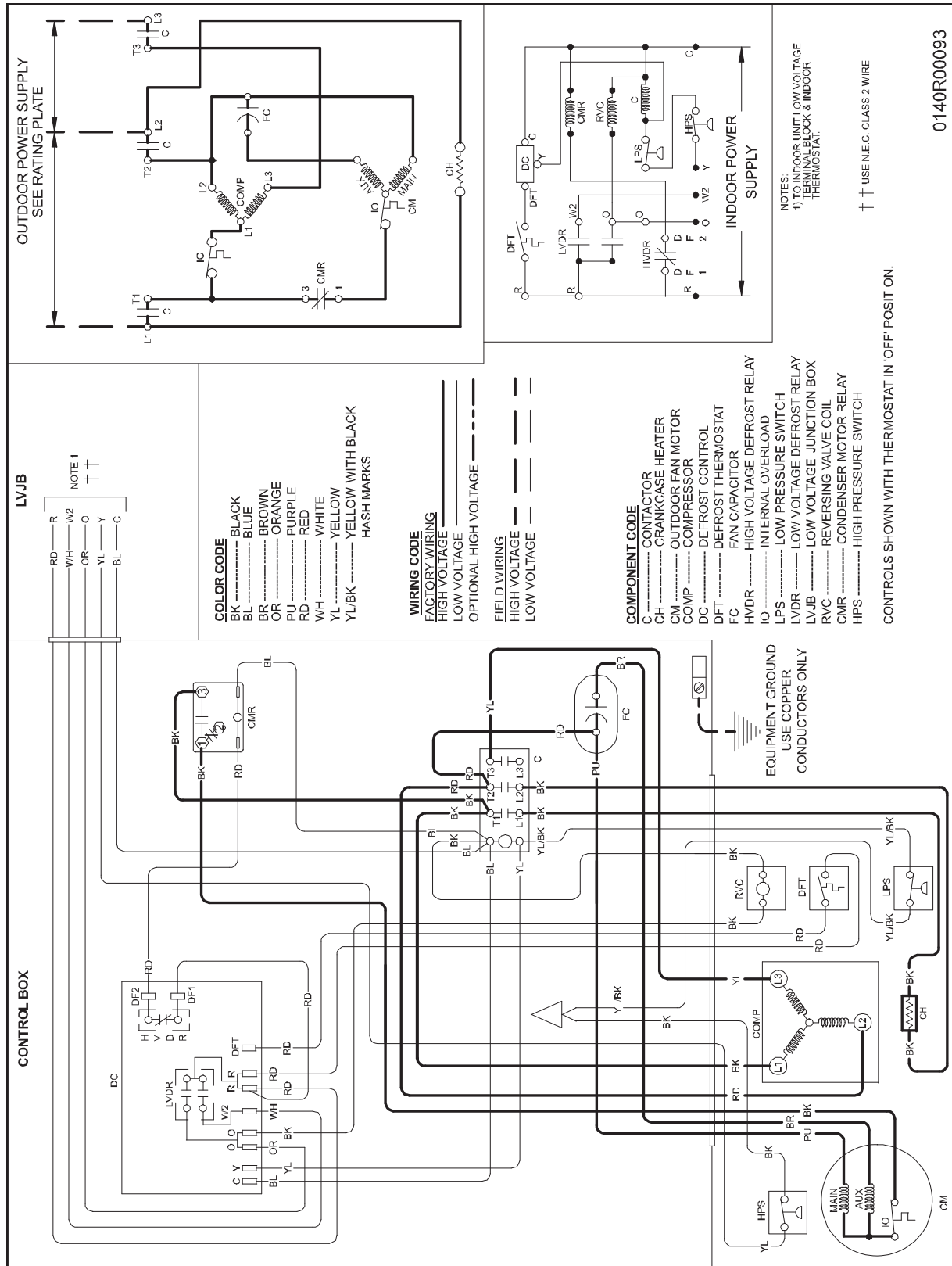
Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.



WARNING

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

GSH10 WIRING DIAGRAM



0140R00093

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	GSH13 036	GSH13 048	GSH13 060	GSH10 090	GSH10 120
ABK-20	Anchor Bracket Kit ⁰	X	X	X	X	X
AFE18-60A	All-fuel Kit	X	X	X	X	X
ASC01	Anti-Short Cycle Kit	X	X	X		
FSK01A ¹	Freeze Protection Kit	X	X	X	X	X
OT/EHR18-60	Emergency Heat Relay kit	X	X	X		
OT18-60A ²	Outdoor Thermostat with Lockout Stat	X	X	X	X	X
TX5N2 ³	TXV Kit	X	X			

⁰ Contains 20 brackets; four brackets needed to anchor unit to pad

¹ Installed on indoor coil

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

³ Condensing units and heat pumps with reciprocating compressors require the use of start-assist components when used in conjunction with an indoor coil using a non-bleed thermal expansion valve refrigerant metering device.

NOTES

NOTES

