



Air Conditioning & Heating

GSH13

13 SEER

SPLIT SYSTEM HEAT PUMP

NOMINAL COOLING CAPACITY: 18,000 TO 60,000 BTU/H

NOMINAL HEATING CAPACITY: 17,200 TO 54,300 BTU/H

Standard Features

- Energy-efficient compressor
- Quiet condenser fan system
- Copper tube/aluminum fin coil
- For use with R-22 refrigerant and charged with inert gas for shipping
- Factory-installed bi-flow liquid line filter drier
- Low-pressure switch
- Time-initiated, temperature-terminated defrost control
- Service valves with sweat connections and easy-access gauge ports
- Contactor with lug connection
- Ground lug connection
- ETL Listed

Cabinet Features

- Louver design sound control top
- Steel louver coil guard
- Heavy-gauge, galvanized-steel cabinet with rust-resistant screws
- Attractive Architectural Gray powder-paint finish with 500-hour salt-spray approval
- Single-panel access to controls with space provided for field-installed accessories
- When properly anchored, meets the 2001 Florida Building Code unit integrity requirements for hurricane-type winds (Anchor bracket kits available.)



Contents

Nomenclature	2
Product Specifications	3
Expanded Cooling Data	4
Expanded Heating Data	18
Performance Ratings	22
Dimensions	21
Wiring Diagrams	22
Accessories	23



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



NOMENCLATURE

	G	S	H	13	036	1	A	A	
	1	2	3	4,5	6,7,8	9	10	11	
Brand									Engineering *
G Goodman® (Standard Feature Set Models)									Minor Revision
Product Category									Engineering *
S Split System									Major Revision
Unit Type									Electrical
C Condenser R-22									1 208/230 V, 1 Phase, 60 Hz
H Heat Pump R-22									Nominal Capacity
Efficiency									018 1½ Tons 042 3½ Tons
13 13 SEER									024 2 Tons 048 4 Tons
									030 2½ Tons 060 5 Tons
									036 3 Tons

* Neither used for order entry or inventory management.



SPECIFICATIONS

	GSH13 0181C*	GSH13 0241C*	GSH13 0301C*	GSH13 0361C*	GSH13 0421A*	GSH13 0481A*	GSH13 0601A*
CAPACITIES AND RATINGS							
Nominal Cooling (BTU/h)	18,000	23,000	28,000	35,000	40,000	45,000	55,500
Nominal Heating (BTU/h)	16,800	22,000	26,800	32,000	39,000	43,000	55,500
SEER ¹	13	13	13	13	13	13	13
Decibels	73	71	72	71	76	76	77
COMPRESSOR							
RLA	8.3	10.8	13.5	14.1	16.5	17.9	25.0
LRA	40.3	56.0	68.0	75.0	95.0	104.0	148.0
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
CONDENSER FAN MOTOR							
Horsepower	1/8	1/8	1/8	¼	¼	¼	1/6
FLA	0.7	0.7	0.7	1.5	1.5	1.5	1.1
REFRIGERANT SYSTEM							
Refrigerant Line Size							
Liquid Line Size ("O.D.)	⅝"	⅝"	⅝"	⅝"	⅝"	⅝"	⅝"
Suction Line Size ("O.D.)	¾"	¾"	¾"	⅞"	1⅝"	1⅝"	1⅝"
Refrigerant Connection Size							
Liquid Valve Size ("O.D.)	⅝"	⅝"	⅝"	⅝"	⅝"	⅝"	⅝"
Suction Valve Size ("O.D.)	¾"	¾"	¾"	⅞"	⅞"	⅞"	⅞"
Valve Type	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat	Sweat
Refrigerant Charge	127	122	130	188	213	223	233
ELECTRICAL DATA							
Voltage-Phase-Frequency	208/230-1-60		208/230-1-60		208/230-1-60		
Minimum Circuit Ampacity ²	11.1	14.2	17.6	19.1	22.1	23.9	32.3
Max. Overcurrent Protection ³	15	25	30	30	35	40	50
Min / Max Volts	197/253	197/253	197/253	197/253	197/253	197/253	197/253
Electrical Conduit Size	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"	½" or ¾"
SHIP WEIGHT (LBS)	151	155	164	189	219	225	266

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

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

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

NOTES

- Always check the S&R plate for electrical data on the unit being installed.
- Installer will need to supply ⅝" to 1⅝" adapters for suction line connections.
- Charge to be added for 15' of ⅝" liquid line. System charge must be adjusted per Installation Instructions Final Charge Procedure.
- Installation of these units requires the specified TXV Kit to be installed on the indoor coil. THE SPECIFIED TXV IS DETERMINED BY THE OUTDOOR UNIT NOT THE INDOOR COIL.

EXPANDED COOLING DATA — GSH130181** / AR*F182416**

		OUTDOOR AMBIENT TEMPERATURE																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
		ENTERING INDOOR WET BULB TEMPERATURE																																			
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
70	MBh	17.6	18.3	20.0	-	17.2	17.9	19.6	-	16.8	17.4	19.1	-	16.4	17.0	18.6	-	15.6	16.2	17.7	-	14.4	15.0	16.4	-	14.4	15.0	16.4	-	14.4	15.0	16.4	-				
	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	-				
	ΔT	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	15	13	10	-	15	13	10	-	15	13	10	-				
	kW	1.24	1.26	1.30	-	1.33	1.35	1.40	-	1.41	1.43	1.48	-	1.48	1.51	1.55	-	1.53	1.57	1.61	-	1.58	1.62	1.67	-	1.58	1.62	1.67	-	1.58	1.62	1.67	-				
	Amps	4.7	4.8	4.9	-	5.0	5.1	5.3	-	5.4	5.6	5.8	-	5.8	5.9	6.1	-	6.2	6.3	6.5	-	6.5	6.7	6.9	-	6.5	6.7	6.9	-	6.5	6.7	6.9	-				
	Hi PR	135	146	154	-	152	164	173	-	173	186	196	-	197	212	224	-	221	238	252	-	245	263	278	-	245	263	278	-	245	263	278	-				
	Lo PR	63	67	73	-	66	71	77	-	69	73	80	-	72	77	84	-	76	81	88	-	79	84	91	-	79	84	91	-	79	84	91	-				
	MBh	17.1	17.7	19.4	-	16.7	17.3	19.0	-	16.3	16.9	18.5	-	15.9	16.5	18.1	-	15.1	15.7	17.2	-	14.0	14.5	15.9	-	14.0	14.5	15.9	-	14.0	14.5	15.9	-				
	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	-				
	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	-				
	kW	1.23	1.25	1.29	-	1.32	1.34	1.38	-	1.40	1.42	1.47	-	1.46	1.49	1.54	-	1.52	1.55	1.60	-	1.57	1.61	1.66	-	1.57	1.61	1.66	-	1.57	1.61	1.66	-				
	Amps	4.6	4.7	4.9	-	5.0	5.1	5.3	-	5.4	5.5	5.7	-	5.8	5.9	6.1	-	6.1	6.3	6.5	-	6.5	6.6	6.9	-	6.5	6.6	6.9	-	6.5	6.6	6.9	-				
	Hi PR	134	144	152	-	150	162	171	-	171	184	194	-	195	210	221	-	219	236	249	-	242	261	275	-	242	261	275	-	242	261	275	-				
	Lo PR	62	66	72	-	66	70	76	-	68	73	79	-	72	76	83	-	75	80	87	-	78	83	90	-	78	83	90	-	78	83	90	-				
569	MBh	15.8	16.4	17.9	-	15.4	16.0	17.5	-	15.1	15.6	17.1	-	14.7	15.2	16.7	-	14.0	14.5	15.9	-	12.9	13.4	14.7	-	12.9	13.4	14.7	-	12.9	13.4	14.7	-				
	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	0.63	0.44	-	0.76	0.63	0.44	-	0.76	0.63	0.44	-				
	ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-	16	14	10	-	16	14	10	-				
	kW	1.20	1.23	1.26	-	1.29	1.31	1.35	-	1.36	1.39	1.43	-	1.43	1.46	1.50	-	1.49	1.52	1.56	-	1.53	1.57	1.62	-	1.53	1.57	1.62	-	1.53	1.57	1.62	-				
	Amps	4.5	4.6	4.7	-	4.8	5.0	5.1	-	5.3	5.4	5.6	-	5.6	5.7	5.9	-	6.0	6.1	6.3	-	6.3	6.5	6.7	-	6.3	6.5	6.7	-	6.3	6.5	6.7	-				
	Hi PR	130	140	148	-	146	157	166	-	166	179	189	-	189	203	215	-	213	229	242	-	235	253	267	-	235	253	267	-	235	253	267	-				
	Lo PR	60	64	70	-	64	68	74	-	66	70	77	-	70	74	81	-	73	78	85	-	75	80	88	-	75	80	88	-	75	80	88	-				

731	MBh	17.94	18.47	19.99	21.45	17.52	18.04	19.53	20.96	17.10	17.61	19.06	20.46	16.69	17.18	18.60	19.96	15.85	16.32	17.67	18.96	14.68	15.12	16.36	17.56
	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	19	17	14	10	19	17	14	10	19	17	14	10	19	17	14	10	19	17	14	10	17	16	13	9
	kW	1.25	1.27	1.31	1.35	1.34	1.37	1.41	1.45	1.42	1.45	1.49	1.54	1.49	1.52	1.56	1.61	1.55	1.58	1.63	1.68	1.60	1.63	1.68	1.74
	Amps	4.7	4.8	5.0	5.1	5.1	5.2	5.4	5.5	5.5	5.6	5.8	6.0	5.9	6.0	6.2	6.4	6.2	6.4	6.6	6.8	6.6	6.8	7.0	7.2
	Hi PR	137	147	155	162	154	165	174	182	175	188	198	207	199	214	226	236	224	241	254	265	247	266	281	293
	Lo PR	63	67	74	78	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	79	84	92	98
	MBh	17.4	17.9	19.4	20.8	17.0	17.5	19.0	20.3	16.6	17.1	18.5	19.9	16.2	16.7	18.1	19.4	15.4	15.8	17.2	18.4	14.3	14.7	15.9	17.1
650	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	15	10	20	18	15	10	20	18	15	10	20	18	15	10	19	18	15	10	18	17	14	9
	kW	1.24	1.26	1.30	1.34	1.33	1.35	1.40	1.44	1.41	1.44	1.48	1.53	1.48	1.51	1.55	1.60	1.53	1.57	1.62	1.67	1.58	1.62	1.67	1.72
	Amps	4.7	4.8	4.9	5.1	5.0	5.1	5.3	5.5	5.4	5.6	5.8	6.0	5.8	5.9	6.1	6.4	6.2	6.3	6.5	6.8	6.5	6.7	6.9	7.2
	Hi PR	135	146	154	161	152	164	173	180	173	186	196	205	197	212	224	233	222	238	252	263	245	263	278	290
	Lo PR	63	67	73	78	66	71	77	82	69	73	80	85	72	77	84	90	76	81	88	94	79	84	91	97
	MBh	16.1	16.5	17.9	19.2	15.7	16.2	17.5	18.8	15.3	15.8	17.1	18.3	15.0	15.40	16.7	17.9	14.2	14.6	15.8	17.0	13.2	13.5	14.7	15.7
	S/T	0.76	0.68	0.51	0.33	0.78	0.70	0.53	0.34	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.87	0.78	0.59	0.38
569	ΔT	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10
	kW	1.21	1.24	1.27	1.31	1.30	1.32	1.36	1.40	1.37	1.40	1.44	1.49	1.44	1.47	1.52	1.56	1.50	1.53	1.58	1.63	1.55	1.58	1.63	1.68
	Amps	4.5	4.6	4.8	5.0	4.9	5.0	5.2	5.4	5.3	5.4	5.6	5.8	5.7	5.8	6.0	6.2	6.0	6.2	6.4	6.6	6.4	6.5	6.7	7.0
	Hi PR	131	141	149	156	147	159	168	175	168	180	191	199	191	206	217	226	215	231	244	255	237	255	270	281
	Lo PR	61	65	71	75	64	68	75	80	67	71	78	83	70	75	82	87	74	78	86	91	76	81	88	94

EXPANDED COOLING DATA — GSH130181** / AR*F182416** (CONT.)

		OUTDOOR AMBIENT TEMPERATURE																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
		ENTERING INDOOR WET BULB TEMPERATURE																																			
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
80	MBh	18.26	18.65	19.93	21.31	17.83	18.22	19.47	20.81	17.41	17.79	19.00	20.31	16.98	17.35	18.54	19.82	16.13	16.49	17.61	18.83	14.94	15.27	16.32	17.44	14.94	15.27	16.32	17.44	14.94	15.27	16.32	17.44				
	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	1.00	0.97	0.79	0.59	1.00	0.97	0.79	0.59				
	ΔT	21	20	17	14	21	20	17	14	21	20	17	14	21	20	18	14	20	20	17	14	19	19	16	13	19	19	16	13	19	19	16	13				
	kW	1.26	1.28	1.32	1.36	1.35	1.38	1.42	1.46	1.43	1.46	1.50	1.55	1.50	1.53	1.58	1.63	1.56	1.59	1.64	1.69	1.61	1.64	1.70	1.75	1.61	1.64	1.70	1.75	1.61	1.64	1.70	1.75				
	Amps	4.7	4.9	5.0	5.2	5.1	5.2	5.4	5.6	5.5	5.7	5.9	6.1	5.9	6.1	6.3	6.5	6.3	6.4	6.7	6.9	6.7	6.8	7.0	7.3	6.7	6.8	7.0	7.3	6.7	6.8	7.0	7.3				
	Hi PR	138	149	157	164	155	167	176	184	176	190	200	209	201	216	228	238	226	243	257	268	250	269	284	296	250	269	284	296	250	269	284	296				
	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	17.7	18.1	19.4	20.7	17.3	17.7	18.9	20.2	16.9	17.3	18.5	19.7	16.5	16.8	18.0	19.2	15.7	16.0	17.1	18.3	14.5	14.8	15.8	16.9	14.5	14.8	15.8	16.9	14.5	14.8	15.8	16.9				
	S/T	0.86	0.81	0.66	0.49	0.89	0.84	0.68	0.51	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.98	0.92	0.75	0.56	0.99	0.93	0.75	0.56	0.99	0.93	0.75	0.56	0.99	0.93	0.75	0.56				
	ΔT	22	21	18	14	22	21	18	15	22	21	18	15	22	21	18	15	22	21	18	14	20	19	17	13	20	19	17	13	20	19	17	13				
kW	1.25	1.27	1.31	1.35	1.34	1.37	1.41	1.45	1.42	1.45	1.49	1.54	1.49	1.52	1.57	1.61	1.55	1.58	1.63	1.68	1.60	1.63	1.68	1.74	1.60	1.63	1.68	1.74	1.60	1.63	1.68	1.74					
Amps	4.7	4.8	5.0	5.1	5.1	5.2	5.4	5.5	5.5	5.6	5.8	6.0	5.9	6.0	6.2	6.4	6.2	6.4	6.6	6.8	6.6	6.8	7.0	7.2	6.6	6.8	7.0	7.2	6.6	6.8	7.0	7.2					
Hi PR	137	147	155	162	154	165	174	182	175	188	198	207	199	214	226	236	224	241	254	265	247	266	281	293	247	266	281	293	247	266	281	293					
Lo PR	63	68	74	78	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	79	84	92	98	79	84	92	98	79	84	92	98					
569	MBh	16.4	16.7	17.9	19.1	16.0	16.3	17.4	18.6	15.6	15.9	17.0	18.2	15.2	15.6	16.6	17.8	14.5	14.8	15.8	16.9	13.4	13.7	14.6	15.6	13.4	13.7	14.6	15.6	13.4	13.7	14.6	15.6				
	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	0.95	0.89	0.73	0.54	0.95	0.89	0.73	0.54				
	ΔT	22	21	18	15	22	21	18	15	22	21	19	15	22	21	19	15	22	21	18	15	21	20	17	14	21	20	17	14	21	20	17	14				
	kW	1.22	1.24	1.28	1.32	1.31	1.33	1.37	1.42	1.38	1.41	1.46	1.50	1.45	1.48	1.53	1.58	1.51	1.54	1.59	1.64	1.56	1.59	1.64	1.69	1.56	1.59	1.64	1.69	1.56	1.59	1.64	1.69				
	Amps	4.6	4.7	4.8	5.0	4.9	5.1	5.2	5.4	5.3	5.5	5.7	5.9	5.7	5.8	6.0	6.3	6.1	6.2	6.4	6.7	6.4	6.6	6.8	7.0	6.4	6.6	6.8	7.0	6.4	6.6	6.8	7.0				
	Hi PR	133	143	151	157	149	160	169	177	169	182	192	201	193	208	219	229	217	234	247	257	240	258	272	284	240	258	272	284	240	258	272	284				
	Lo PR	62	65	71	76	65	69	76	80	68	72	78	84	71	76	82	88	74	79	86	92	77	82	89	95	77	82	89	95	77	82	89	95				

731	MBh	18.58	18.93	19.83	21.16	18.14	18.49	19.37	20.66	17.71	18.05	18.91	20.17	17.28	17.61	18.45	19.68	16.42	16.73	17.52	18.70	15.21	15.50	16.23	17.32
	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	22	21	18	22	22	21	18	22	22	21	18	22	22	21	18	21	21	21	18	19	19	19	17
	kW	1.27	1.29	1.33	1.37	1.36	1.39	1.43	1.47	1.44	1.47	1.51	1.56	1.51	1.54	1.59	1.64	1.57	1.60	1.65	1.71	1.62	1.66	1.71	1.77
	Amps	4.8	4.9	5.1	5.2	5.2	5.3	5.4	5.6	5.6	5.7	5.9	6.1	6.0	6.1	6.3	6.5	6.3	6.5	6.7	7.0	6.7	6.9	7.1	7.4
	Hi PR	140	150	159	165	157	169	178	186	178	192	202	211	203	218	231	240	228	246	259	271	252	271	287	299
	Lo PR	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	18.0	18.4	19.3	20.5	17.6	18.0	18.8	20.1	17.2	17.5	18.4	19.6	16.8	17.1	17.9	19.1	15.9	16.2	17.0	18.2	14.8	15.0	15.8	16.8
	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
650	ΔT	23	23	21	19	23	23	22	19	23	23	22	19	23	23	22	19	23	23	22	19	21	21	20	17
	kW	1.26	1.28	1.32	1.36	1.35	1.38	1.42	1.46	1.43	1.46	1.50	1.55	1.50	1.53	1.58	1.63	1.56	1.59	1.64	1.69	1.61	1.64	1.70	1.75
	Amps	4.7	4.9	5.0	5.2	5.1	5.2	5.4	5.6	5.5	5.7	5.9	6.1	5.9	6.1	6.3	6.5	6.3	6.4	6.7	6.9	6.7	6.8	7.0	7.3
	Hi PR	138	149	157	164	155	167	176	184	176	190	200	209	201	216	228	238	226	243	257	268	250	269	284	296
	Lo PR	64	68	74	79	68	72	79	84	70	75	82	87	74	79	86	91	77	82	90	96	80	85	93	99
	MBh	16.6	17.0	17.8	19.0	16.3	16.6	17.4	18.5	15.9	16.2	16.9	18.1	15.5	15.8	16.5	17.6	14.7	15.0	15.7	16.8	13.6	13.9	14.5	15.5
	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	22	19	24	23	22	19	24	23	22	19	24	23	22	19	24	23	22	19	22	22	20	18
	kW	1.23	1.25	1.29	1.33	1.32	1.34	1.38	1.43	1.39	1.42	1.47	1.51	1.46	1.49	1.54	1.59	1.52	1.55	1.60	1.65	1.57	1.60	1.66	1.71
569	Amps	4.6	4.7	4.9	5.0	5.0	5.1	5.3	5.4	5.4	5.5	5.7	5.9	5.8	5.9	6.1	6.3	6.1	6.3	6.5	6.7	6.5	6.6	6.8	7.1
	Hi PR	134	144	152	159	150	162	171	178	171	184	194	203	195	210	221	231	219	236	249	260	242	261	275	287
	Lo PR	62	66	72	77	66	70	76	81	68	73	79	84	72	76	83	89	75	80	87	93	78	83	90	96

EXPANDED COOLING DATA — GSH130241** / AR*F182416**

		OUTDOOR AMBIENT TEMPERATURE												115°F																	
		65°F						75°F						85°F						95°F						105°F					
		ENTERING INDOOR WET BULB TEMPERATURE																													
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
70	956	MBh	22.5	23.4	25.6	-	22.0	22.8	25.0	-	21.5	22.3	24.4	-	21.0	21.7	23.8	-	19.9	20.6	22.6	-	18.4	19.1	21.0	-	18.4	19.1	21.0	-	
		S/T	0.74	0.62	0.43	-	0.77	0.64	0.45	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-	0.85	0.71	0.49	-	
		ΔT	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	15	13	10	-	15	13	10	-	
		kW	1.59	1.63	1.68	-	1.71	1.75	1.80	-	1.81	1.85	1.91	-	1.91	1.95	2.01	-	1.98	2.03	2.09	-	2.05	2.09	2.16	-	2.05	2.09	2.16	-	
		Amps	5.8	6.0	6.2	-	6.3	6.4	6.7	-	6.8	7.0	7.2	-	7.3	7.5	7.7	-	7.8	8.0	8.2	-	8.2	8.4	8.7	-	8.2	8.4	8.7	-	
	850	Hi PR	140	151	159	-	157	169	179	-	179	193	203	-	204	219	232	-	229	247	261	-	253	273	288	-	253	273	288	-	
		Lo PR	62	66	72	-	65	69	76	-	68	72	79	-	71	76	83	-	75	79	87	-	77	82	90	-	77	82	90	-	
		MBh	21.9	22.7	24.8	-	21.4	22.2	24.3	-	20.9	21.6	23.7	-	20.4	21.1	23.1	-	19.3	20.0	22.0	-	17.9	18.6	20.3	-	17.9	18.6	20.3	-	
		S/T	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.81	0.67	0.47	-	0.81	0.68	0.47	-	0.81	0.68	0.47	-	
		ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-	16	14	10	-	
744	kW	1.58	1.61	1.66	-	1.70	1.73	1.79	-	1.80	1.84	1.90	-	1.89	1.93	1.99	-	1.97	2.01	2.07	-	2.03	2.08	2.14	-	2.03	2.08	2.14	-		
	Amps	5.8	5.9	6.1	-	6.2	6.4	6.6	-	6.8	6.9	7.2	-	7.2	7.4	7.7	-	7.7	7.9	8.1	-	8.2	8.4	8.6	-	8.2	8.4	8.6	-		
	Hi PR	139	149	158	-	156	168	177	-	177	191	201	-	202	217	229	-	227	244	258	-	251	270	285	-	251	270	285	-		
	Lo PR	61	65	71	-	65	69	75	-	67	71	78	-	70	75	82	-	74	79	86	-	76	81	89	-	76	81	89	-		
	MBh	20.2	20.9	22.9	-	19.7	20.4	22.4	-	19.3	20.0	21.9	-	18.8	19.5	21.3	-	17.8	18.5	20.3	-	16.5	17.1	18.8	-	16.5	17.1	18.8	-		

75	956	MBh	22.92	23.60	25.54	27.41	22.39	23.05	24.95	26.78	21.85	22.50	24.36	26.14	21.32	21.95	23.76	25.50	20.25	20.85	22.57	24.23	18.76	19.32	20.91	22.44
		S/T	0.84	0.75	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	0.96	0.86	0.65	0.42	0.97	0.87	0.66	0.42
		ΔT	19	17	14	10	19	17	14	10	19	17	14	10	19	17	14	10	19	17	14	10	17	16	13	9
		kW	1.61	1.64	1.69	1.74	1.72	1.76	1.81	1.87	1.83	1.87	1.93	1.99	1.92	1.96	2.02	2.09	2.00	2.04	2.11	2.18	2.07	2.11	2.18	2.25
		Amps	5.9	6.0	6.2	6.4	6.3	6.5	6.7	7.0	6.9	7.1	7.3	7.6	7.4	7.5	7.8	8.1	7.8	8.0	8.3	8.6	8.3	8.5	8.8	9.1
		Hi PR	142	152	161	168	159	171	181	188	181	195	205	214	206	222	234	244	232	249	263	275	256	275	291	303
		Lo PR	62	66	72	77	66	70	76	81	68	73	79	85	72	76	83	89	75	80	87	93	78	83	91	96
		MBh	22.3	22.9	24.8	26.6	21.7	22.4	24.2	26.0	21.2	21.8	23.6	25.4	20.7	21.3	23.1	24.8	19.7	20.2	21.9	23.5	18.2	18.8	20.3	21.8
		S/T	0.80	0.72	0.54	0.35	0.83	0.75	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.92	0.82	0.62	0.40	0.92	0.83	0.63	0.40
		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
850		kW	1.60	1.63	1.68	1.73	1.71	1.75	1.80	1.86	1.81	1.85	1.91	1.97	1.91	1.95	2.01	2.07	1.98	2.03	2.09	2.16	2.05	2.09	2.16	2.23
		Amps	5.8	6.0	6.2	6.4	6.3	6.4	6.7	6.9	6.8	7.0	7.2	7.5	7.3	7.5	7.7	8.0	7.8	8.0	8.2	8.5	8.2	8.4	8.7	9.1
		Hi PR	140	151	159	166	157	169	179	187	179	193	203	212	204	219	232	242	229	247	261	272	253	273	288	300
		Lo PR	62	66	72	76	65	69	76	81	68	72	79	84	71	76	83	88	75	79	87	92	77	82	90	95
		MBh	20.5	21.1	22.9	24.6	20.1	20.7	22.4	24.0	19.6	20.2	21.8	23.4	19.1	19.67	21.3	22.9	18.2	18.7	20.2	21.7	16.8	17.3	18.7	20.1
		S/T	0.78	0.69	0.53	0.34	0.80	0.72	0.54	0.35	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.89	0.80	0.60	0.39
		ΔT	20	18	15	10	20	18	15	10	20	18	15	10	20	19	15	10	20	18	15	10	19	17	14	10
		kW	1.56	1.59	1.64	1.69	1.67	1.71	1.76	1.81	1.77	1.81	1.86	1.92	1.86	1.90	1.96	2.02	1.94	1.98	2.04	2.11	2.00	2.04	2.11	2.18
		Amps	5.7	5.8	6.0	6.2	6.1	6.3	6.5	6.7	6.6	6.8	7.0	7.3	7.1	7.3	7.5	7.8	7.6	7.7	7.9	8.0	8.0	8.2	8.5	8.8
		Hi PR	136	146	155	161	153	164	173	181	174	187	197	206	198	213	225	234	222	239	253	264	246	265	279	291
Lo PR	60	64	70	74	63	67	73	78	66	70	76	81	69	73	80	85	72	77	84	89	75	80	87	93		

EXPANDED COOLING DATA — GSH130241** / AR*F182416** (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	956	MBh	23.33	23.84	25.47	27.22	22.79	23.28	24.87	26.59	22.24	22.73	24.28	25.96	21.70	22.17	23.69	25.32	20.62	21.07	22.51	24.06	19.10	19.51	20.85	22.29	19.10	19.51	20.85	22.29
		S/T	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00	0.92	0.75	0.56	1.00	0.95	0.78	0.58	1.00	1.00	0.80	0.60	1.00	1.00	0.81	0.61	1.00	1.00	0.81	0.61
		ΔT	21	20	17	14	21	20	18	14	21	20	18	14	21	20	18	14	20	20	17	14	18	19	16	13	18	19	16	13
		kW	1.62	1.65	1.70	1.75	1.74	1.77	1.83	1.89	1.84	1.88	1.94	2.00	1.94	1.98	2.04	2.11	2.02	2.06	2.12	2.19	2.08	2.13	2.20	2.27	2.08	2.13	2.20	2.27
		Amps	5.9	6.1	6.3	6.5	6.4	6.6	6.8	7.0	7.0	7.1	7.4	7.6	7.4	7.6	7.9	8.2	7.9	8.1	8.4	8.7	8.4	8.6	8.9	9.2	8.4	8.6	8.9	9.2
	850	Hi PR	143	154	163	170	161	173	182	190	183	197	208	216	208	224	236	247	234	252	266	277	259	278	294	306	259	278	294	306
		Lo PR	63	67	73	78	67	71	77	82	69	74	80	86	73	77	84	90	76	81	88	94	79	84	91	97	79	84	91	97
		MBh	22.6	23.1	24.7	26.4	22.1	22.6	24.2	25.8	21.6	22.1	23.6	25.2	21.1	21.5	23.0	24.6	20.0	20.5	21.9	23.4	18.5	18.9	20.2	21.6	18.5	18.9	20.2	21.6
		S/T	0.88	0.83	0.67	0.50	0.91	0.86	0.70	0.52	0.94	0.88	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.77	0.57	1.00	0.95	0.77	0.58	1.00	0.95	0.77	0.58
		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	20	19	17	14
744	956	kW	1.61	1.64	1.69	1.74	1.73	1.76	1.81	1.87	1.83	1.87	1.93	1.99	1.92	1.96	2.02	2.09	2.00	2.04	2.11	2.18	2.07	2.11	2.18	2.25	2.07	2.11	2.18	2.25
		Amps	5.9	6.0	6.2	6.4	6.3	6.5	6.7	7.0	6.9	7.1	7.3	7.6	7.4	7.5	7.8	8.1	7.8	8.0	8.3	8.6	8.3	8.5	8.8	9.1	8.3	8.5	8.8	9.1
		Hi PR	142	152	161	168	159	171	181	188	181	195	205	214	206	222	234	244	232	249	263	275	256	275	291	303	256	275	291	303
		Lo PR	62	66	72	77	66	70	76	81	68	73	79	85	72	76	84	89	75	80	88	93	78	83	91	96	78	83	91	96
		MBh	20.9	21.4	22.8	24.4	20.4	20.9	22.3	23.8	19.9	20.4	21.8	23.3	19.4	19.9	21.2	22.7	18.5	18.9	20.2	21.6	17.1	17.5	18.7	20.0	17.1	17.5	18.7	20.0
	850	S/T	0.85	0.80	0.65	0.49	0.88	0.83	0.67	0.50	0.90	0.85	0.69	0.52	0.93	0.88	0.71	0.53	0.97	0.91	0.74	0.55	0.98	0.92	0.75	0.56	0.98	0.92	0.75	0.56
		ΔT	22	21	18	15	22	21	19	15	22	21	19	15	22	22	19	15	22	21	18	15	21	20	17	14	21	20	17	14
		kW	1.57	1.60	1.65	1.70	1.69	1.72	1.77	1.83	1.79	1.82	1.88	1.94	1.88	1.91	1.97	2.04	1.95	1.99	2.06	2.12	2.02	2.06	2.13	2.19	2.02	2.06	2.13	2.19
		Amps	5.7	5.9	6.0	6.3	6.2	6.3	6.5	6.8	6.7	6.9	7.1	7.4	7.2	7.3	7.6	7.9	7.6	7.8	8.1	8.4	8.1	8.3	8.6	8.9	8.1	8.3	8.6	8.9
		Hi PR	137	148	156	163	154	166	175	183	175	189	199	208	200	215	227	237	225	242	255	266	248	267	282	294	248	267	282	294
Lo PR	60	64	70	75	64	68	74	79	66	71	77	82	70	74	81	86	73	78	85	90	76	80	88	94	76	80	88	94		

85	MBh	23.74	24.19	25.34	27.03	23.18	23.63	24.75	26.40	22.63	23.07	24.16	25.78	22.08	22.51	23.57	25.15	20.98	21.38	22.39	23.89	19.43	19.81	20.74	22.13	19.43	19.81	20.74	22.13	19.43	19.81	20.74	22.13
	S/T	0.97	0.94	0.84	0.69	1.00	0.97	0.88	0.71	1.00	0.99	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.97	0.79	1.00	1.00	0.97	0.79	1.00	1.00	0.97	0.79
	ΔT	22	22	21	18	22	22	21	18	22	22	21	18	21	22	21	18	20	21	21	18	19	19	17	17	19	19	17	17	19	19	17	17
	kW	1.63	1.66	1.72	1.77	1.75	1.79	1.84	1.90	1.86	1.90	1.96	2.02	1.95	1.99	2.06	2.12	2.03	2.08	2.14	2.21	2.10	2.15	2.22	2.29	2.10	2.15	2.22	2.29	2.10	2.15	2.22	2.29
	Amps	6.0	6.1	6.3	6.6	6.5	6.6	6.8	7.1	7.0	7.2	7.4	7.7	7.5	7.7	7.9	8.2	8.0	8.2	8.5	8.8	8.5	8.7	9.0	9.3	8.5	8.7	9.0	9.3	8.5	8.7	9.0	9.3
	Hi PR	145	156	164	171	162	175	184	192	184	198	210	219	210	226	239	249	236	254	269	280	261	281	297	309	261	281	297	309	261	281	297	309
	Lo PR	64	68	74	79	67	71	78	83	70	74	81	86	73	78	85	91	77	82	89	95	79	85	92	98	79	85	92	98	79	85	92	98
	MBh	23.0	23.5	24.6	26.2	22.5	22.9	24.0	25.6	22.0	22.4	23.5	25.0	21.4	21.9	22.9	24.4	20.4	20.8	21.7	23.2	18.9	19.2	20.1	21.5	18.9	19.2	20.1	21.5	18.9	19.2	20.1	21.5
	S/T	0.93	0.89	0.81	0.65	0.96	0.93	0.84	0.68	0.98	0.95	0.86	0.69	1.00	0.98	0.88	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.93	0.75	1.00	1.00	0.93	0.75	1.00	1.00	0.93	0.75
	ΔT	23	23	21	19	23	23	22	19	23	23	22	19	23	23	22	19	22	22	22	19	20	21	20	17	20	21	20	17	20	21	20	17
	kW	1.62	1.65	1.70	1.75	1.74	1.77	1.83	1.89	1.84	1.88	1.94	2.00	1.94	1.98	2.04	2.11	2.02	2.06	2.12	2.19	2.08	2.13	2.20	2.27	2.08	2.13	2.20	2.27	2.08	2.13	2.20	2.27
850	Amps	5.9	6.1	6.3	6.5	6.4	6.6	6.8	7.0	7.0	7.1	7.4	7.6	7.4	7.6	7.9	8.2	7.9	8.1	8.4	8.7	8.4	8.6	8.9	9.2	8.4	8.6	8.9	9.2	8.4	8.6	8.9	9.2
	Hi PR	143	154	163	170	161	173	182	190	183	197	208	216	208	224	236	247	234	252	266	277	259	278	294	306	259	278	294	306	259	278	294	306
	Lo PR	63	67	73	78	67	71	77	82	69	74	80	86	73	77	84	90	76	81	88	94	79	84	91	97	79	84	91	97	79	84	91	97
	MBh	21.3	21.7	22.7	24.2	20.8	21.2	22.2	23.7	20.3	20.7	21.7	23.1	19.8	20.2	21.1	22.5	18.8	19.2	20.1	21.4	17.4	17.7	18.6	19.8	17.4	17.7	18.6	19.8	17.4	17.7	18.6	19.8
	S/T	0.89	0.86	0.78	0.63	0.92	0.89	0.81	0.65	0.95	0.91	0.83	0.67	0.98	0.94	0.85	0.69	1.00	0.98	0.88	0.72	1.00	0.99	0.89	0.72	1.00	0.99	0.89	0.72	1.00	0.99	0.89	0.72
	ΔT	23	23	22	19	24	23	22	19	24	23	22	19	24	24	22	19	23	23	22	19	22	22	20	18	22	22	20	18	22	22	20	18
	kW	1.58	1.61	1.66	1.71	1.70	1.73	1.79	1.84	1.80	1.84	1.89	1.95	1.89	1.93	1.99	2.05	1.97	2.01	2.07	2.14	2.03	2.08	2.14	2.21	2.03	2.08	2.14	2.21	2.03	2.08	2.14	

EXPANDED COOLING DATA — GSH130301** / ARUF42-00*-01* / ARUF30301A*

		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	59	63	67	71				
70	MBh	27.0	28.0	30.7	-	26.4	27.4	30.0	-	25.8	26.7	29.3	-	25.2	26.1	28.6	-	23.9	24.8	27.1	-	22.1	22.9	25.1	-	22.1	22.9	25.1	-	22.1	22.9	25.1	-				
	S/T	0.75	0.63	0.43	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.82	0.69	0.48	-	0.85	0.71	0.49	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-	0.86	0.72	0.50	-				
	ΔT	16	14	10	-	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	15	13	10	-	15	13	10	-	15	13	10	-				
	kW	2.04	2.08	2.14	-	2.19	2.24	2.31	-	2.32	2.37	2.45	-	2.44	2.49	2.57	-	2.54	2.60	2.68	-	2.63	2.69	2.77	-	2.63	2.69	2.77	-	2.63	2.69	2.77	-				
	Amps	7.6	7.8	8.1	-	8.2	8.4	8.7	-	9.0	9.2	9.5	-	9.6	9.8	10.2	-	10.2	10.5	10.8	-	10.8	11.1	11.5	-	10.8	11.1	11.5	-	10.8	11.1	11.5	-				
	Hi PR	141	152	161	-	159	171	180	-	181	194	205	-	206	221	234	-	231	249	263	-	256	275	290	-	256	275	290	-	256	275	290	-				
	Lo PR	62	66	73	-	66	70	77	-	69	73	80	-	72	77	84	-	75	80	88	-	78	83	91	-	78	83	91	-	78	83	91	-				
	MBh	26.6	27.6	30.3	-	26.0	27.0	29.5	-	25.4	26.3	28.8	-	24.8	25.7	28.1	-	23.5	24.4	26.7	-	21.8	22.6	24.8	-	21.8	22.6	24.8	-	21.8	22.6	24.8	-				
	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	-	0.82	0.69	0.48	-	0.82	0.69	0.48	-				
	ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-	16	14	10	-	16	14	10	-				
1050	kW	2.03	2.07	2.13	-	2.18	2.22	2.29	-	2.31	2.36	2.43	-	2.43	2.48	2.56	-	2.53	2.58	2.67	-	2.61	2.67	2.76	-	2.61	2.67	2.76	-	2.61	2.67	2.76	-				
	Amps	7.6	7.8	8.0	-	8.2	8.4	8.7	-	8.9	9.1	9.4	-	9.5	9.8	10.1	-	10.1	10.4	10.7	-	10.8	11.0	11.4	-	10.8	11.0	11.4	-	10.8	11.0	11.4	-				
	Hi PR	140	151	160	-	158	170	179	-	179	193	204	-	204	220	232	-	230	247	261	-	254	273	288	-	254	273	288	-	254	273	288	-				
	Lo PR	62	66	72	-	66	70	76	-	68	72	79	-	72	76	83	-	75	80	87	-	78	82	90	-	78	82	90	-	78	82	90	-				
	MBh	25.3	26.2	28.7	-	24.7	25.6	28.1	-	24.1	25.0	27.4	-	23.5	24.4	26.7	-	22.4	23.2	25.4	-	20.7	21.5	23.5	-	20.7	21.5	23.5	-	20.7	21.5	23.5	-				
	S/T	0.69	0.57	0.40	-	0.71	0.60	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.44	-	0.78	0.65	0.45	-	0.79	0.66	0.46	-	0.79	0.66	0.46	-	0.79	0.66	0.46	-				
	ΔT	17	15	11	-	17	15	11	-	18	15	12	-	18	15	12	-	17	15	11	-	16	14	11	-	16	14	11	-	16	14	11	-				
	kW	2.00	2.04	2.10	-	2.14	2.19	2.26	-	2.27	2.32	2.40	-	2.39	2.44	2.52	-	2.49	2.54	2.62	-	2.57	2.63	2.71	-	2.57	2.63	2.71	-	2.57	2.63	2.71	-				
	Amps	7.4	7.6	7.9	-	8.0	8.2	8.5	-	8.7	9.0	9.3	-	9.3	9.6	9.9	-	10.0	10.2	10.5	-	10.6	10.8	11.2	-	10.6	10.8	11.2	-	10.6	10.8	11.2	-				
	Hi PR	138	148	156	-	154	166	176	-	176	189	200	-	200	215	227	-	225	242	256	-	249	268	283	-	249	268	283	-	249	268	283	-				
Lo PR	61	65	71	-	64	68	75	-	67	71	78	-	70	75	81	-	73	78	85	-	76	81	88	-	76	81	88	-	76	81	88	-					

1173	MBh	27.5	28.3	30.6	32.9	26.9	27.7	29.9	32.1	26.2	27.0	29.2	31.4	25.6	26.3	28.5	30.6	24.3	25.0	27.1	29.1	22.5	23.2	25.1	26.9
	S/T	0.85	0.76	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.97	0.87	0.66	0.42	0.98	0.88	0.66	0.43
	ΔT	18	17	14	10	19	17	14	10	19	17	14	10	19	17	14	10	18	17	14	10	17	16	13	9
	kW	2.05	2.10	2.16	2.23	2.21	2.25	2.32	2.40	2.34	2.39	2.47	2.55	2.46	2.52	2.60	2.68	2.56	2.62	2.70	2.79	2.65	2.71	2.80	2.89
	Amps	7.7	7.9	8.1	8.4	8.3	8.5	8.8	9.1	9.0	9.3	9.6	9.9	9.7	9.9	10.3	10.6	10.3	10.6	10.9	11.3	10.9	11.2	11.6	12.0
	Hi PR	143	154	162	169	160	173	182	190	182	196	207	216	208	224	236	246	234	251	266	277	258	278	293	306
	Lo PR	63	67	73	78	67	71	77	82	69	74	80	86	73	77	85	90	76	81	89	94	79	84	92	98
	MBh	27.1	27.9	30.2	32.4	26.5	27.2	29.5	31.6	25.8	26.6	28.8	30.9	25.2	25.9	28.1	30.1	23.9	24.6	26.7	28.6	22.2	22.8	24.7	26.5
	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
	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
1050	kW	2.04	2.08	2.15	2.22	2.19	2.24	2.31	2.38	2.33	2.38	2.45	2.53	2.45	2.50	2.58	2.67	2.55	2.60	2.69	2.78	2.64	2.69	2.78	2.87
	Amps	7.6	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	10.2	10.5	10.8	11.3	10.9	11.1	11.5	11.9
	Hi PR	142	153	161	168	159	171	181	189	181	195	206	215	206	222	232	244	232	250	264	275	256	276	291	304
	Lo PR	63	67	73	77	66	70	77	82	69	73	80	85	72	77	84	89	76	81	88	94	78	83	91	97
	MBh	25.7	26.5	28.7	30.8	25.1	25.9	28.0	30.1	24.5	25.3	27.3	29.4	23.9	24.6	26.7	28.6	22.7	23.4	25.3	27.2	21.1	21.7	23.5	25.2
927	S/T	0.78	0.70	0.53	0.34	0.81	0.73	0.55	0.35	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.90	0.80	0.61	0.39
	ΔT	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	19	15	10	19	17	14	10
	kW	2.01	2.05	2.11	2.18	2.16	2.21	2.27	2.35	2.29	2.34	2.41	2.49	2.41	2.46	2.54	2.62	2.51	2.56	2.64	2.73	2.59	2.65	2.74	2.83
	Amps	7.5	7.7	7.9	8.2	8.1	8.3	8.6	8.9	8.8	9.0	9.3	9.7	9.4	9.7	10.0	10.4	10.0	10.3	10.6	11.1	10.7	10.9	11.3	11.7
	Hi PR	139	150	158	165	156	168	177	185	177	191	202	210	202	218	230	240	227	245	258	270	251	270	286	298
Lo PR	61	65	71	76	65	69	75	80	67	72	78	83	71	75	82	88	74	79	86	92	77	82	89	95	

EXPANDED COOLING DATA — GSH130301** / ARUF42-00*-01* / ARUF30301A* (CONT.)

IDB		OUTDOOR AMBIENT TEMPERATURE																																				
		65°F						75°F						85°F						95°F						105°F						115°F						
		ENTERING INDOOR WET BULB TEMPERATURE																																				
AIRFLOW	59	63	67	71	75	79	83	87	91	95	99	103	107	111	115	119	123	127	131	135	139	143	147	151	155	159	163	167	171	175	179	183	187	191	195	199	203	207
1173	MBh	28.0	28.6	30.6	32.7	34.7	36.7	38.7	40.7	42.7	44.7	46.7	48.7	50.7	52.7	54.7	56.7	58.7	60.7	62.7	64.7	66.7	68.7	70.7	72.7	74.7	76.7	78.7	80.7	82.7	84.7	86.7	88.7	90.7	92.7	94.7	96.7	98.7
	S/T	0.94	0.88	0.71	0.53	0.35	0.17	0.00	-0.17	-0.35	-0.53	-0.71	-0.88	-1.06	-1.24	-1.42	-1.60	-1.78	-1.96	-2.14	-2.32	-2.50	-2.68	-2.86	-3.04	-3.22	-3.40	-3.58	-3.76	-3.94	-4.12	-4.30	-4.48	-4.66	-4.84	-5.02	-5.20	
	ΔT	21	20	17	14	11	9	7	5	3	1	-1	-3	-5	-7	-9	-11	-13	-15	-17	-19	-21	-23	-25	-27	-29	-31	-33	-35	-37	-39	-41	-43	-45	-47	-49		
	kW	2.07	2.11	2.18	2.25	2.32	2.39	2.46	2.53	2.60	2.67	2.74	2.81	2.88	2.95	3.02	3.09	3.16	3.23	3.30	3.37	3.44	3.51	3.58	3.65	3.72	3.79	3.86	3.93	4.00	4.07	4.14	4.21	4.28	4.35	4.42	4.49	
	Amps	7.8	8.0	8.2	8.5	8.7	8.9	9.1	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.7	10.9	11.1	11.3	11.5	11.7	11.9	12.1	12.3	12.5	12.7	12.9	13.1	13.3	13.5	13.7	13.9	14.1	14.3	14.5	14.7	14.9	
80	Hi PR	144	155	164	171	178	184	190	196	202	208	214	220	226	232	238	244	250	256	262	268	274	280	286	292	298	304	310	316	322	328	334	340	346	352	358	364	
	Lo PR	64	68	74	79	84	89	94	99	104	109	114	119	124	129	134	139	144	149	154	159	164	169	174	179	184	189	194	199	204	209	214	219	224	229	234		
	MBh	27.6	28.2	30.1	32.2	34.2	36.2	38.2	40.2	42.2	44.2	46.2	48.2	50.2	52.2	54.2	56.2	58.2	60.2	62.2	64.2	66.2	68.2	70.2	72.2	74.2	76.2	78.2	80.2	82.2	84.2	86.2	88.2	90.2	92.2	94.2		
	S/T	0.90	0.84	0.68	0.51	0.34	0.17	0.00	-0.17	-0.34	-0.51	-0.68	-0.84	-1.01	-1.18	-1.35	-1.52	-1.69	-1.86	-2.03	-2.20	-2.37	-2.54	-2.71	-2.88	-3.05	-3.22	-3.39	-3.56	-3.73	-3.90	-4.07	-4.24	-4.41	-4.58	-4.75		
	ΔT	22	21	18	14	11	9	7	5	3	1	-1	-3	-5	-7	-9	-11	-13	-15	-17	-19	-21	-23	-25	-27	-29	-31	-33	-35	-37	-39	-41	-43	-45	-47	-49		
1050	kW	2.06	2.10	2.17	2.23	2.29	2.35	2.41	2.47	2.53	2.59	2.65	2.71	2.77	2.83	2.89	2.95	3.01	3.07	3.13	3.19	3.25	3.31	3.37	3.43	3.49	3.55	3.61	3.67	3.73	3.79	3.85	3.91	3.97	4.03	4.09		
	Amps	7.7	7.9	8.2	8.5	8.7	8.9	9.1	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.7	10.9	11.1	11.3	11.5	11.7	11.9	12.1	12.3	12.5	12.7	12.9	13.1	13.3	13.5	13.7	13.9	14.1	14.3	14.5	14.7		
	Hi PR	143	154	163	170	177	183	189	195	201	207	213	219	225	231	237	243	249	255	261	267	273	279	285	291	297	303	309	315	321	327	333	339	345	351	357		
	Lo PR	63	67	74	78	84	89	94	99	104	109	114	119	124	129	134	139	144	149	154	159	164	169	174	179	184	189	194	199	204	209	214	219	224	229	234		
	MBh	26.2	26.8	28.6	30.6	32.6	34.6	36.6	38.6	40.6	42.6	44.6	46.6	48.6	50.6	52.6	54.6	56.6	58.6	60.6	62.6	64.6	66.6	68.6	70.6	72.6	74.6	76.6	78.6	80.6	82.6	84.6	86.6	88.6	90.6	92.6		
927	S/T	0.86	0.80	0.65	0.49	0.32	0.15	0.00	-0.15	-0.32	-0.49	-0.65	-0.82	-0.99	-1.16	-1.33	-1.50	-1.67	-1.84	-2.01	-2.18	-2.35	-2.52	-2.69	-2.86	-3.03	-3.20	-3.37	-3.54	-3.71	-3.88	-4.05	-4.22	-4.39	-4.56	-4.73		
	ΔT	22	21	19	15	12	10	8	6	4	2	0	-2	-4	-6	-8	-10	-12	-14	-16	-18	-20	-22	-24	-26	-28	-30	-32	-34	-36	-38	-40	-42	-44	-46			
	kW	2.03	2.07	2.13	2.20	2.26	2.32	2.38	2.44	2.50	2.56	2.62	2.68	2.74	2.80	2.86	2.92	2.98	3.04	3.10	3.16	3.22	3.28	3.34	3.40	3.46	3.52	3.58	3.64	3.70	3.76	3.82	3.88	3.94	4.00			
	Amps	7.6	7.8	8.0	8.3	8.5	8.7	8.9	9.1	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.7	10.9	11.1	11.3	11.5	11.7	11.9	12.1	12.3	12.5	12.7	12.9	13.1	13.3	13.5	13.7	13.9	14.1	14.3	14.5		
	Hi PR	140	151	160	166	172	178	184	190	196	202	208	214	220	226	232	238	244	250	256	262	268	274	280	286	292	298	304	310	316	322	328	334	340	346	352		
Lo PR	62	66	72	77	82	87	92	97	102	107	112	117	122	127	132	137	142	147	152	157	162	167	172	177	182	187	192	197	202	207	212	217	222	227				

1173	MBh	28.5	29.0	30.4	32.4	27.8	28.4	29.7	31.7	27.1	27.7	29.0	30.9	26.5	27.0	28.3	30.2	25.2	25.7	26.9	28.7	23.3	23.8	24.9	26.5
	S/T	0.98	0.95	0.85	0.69	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.80
	ΔT	22	22	20	18	22	22	21	18	21	22	21	18	21	21	21	18	20	20	20	18	18	19	19	17
	kW	2.09	2.13	2.19	2.26	2.24	2.29	2.36	2.44	2.38	2.43	2.51	2.59	2.50	2.56	2.64	2.73	2.61	2.66	2.75	2.84	2.70	2.75	2.84	2.94
	Amps	7.8	8.0	8.3	8.6	8.5	8.7	9.0	9.3	9.2	9.4	9.8	10.1	9.9	10.1	10.4	10.8	10.5	10.8	11.1	11.6	11.1	11.4	11.8	12.3
	Hi PR	146	157	166	173	164	176	186	194	186	200	211	221	212	228	241	251	238	257	271	283	263	283	299	312
	Lo PR	64	68	75	80	68	72	79	84	71	75	82	87	74	79	86	92	78	83	90	96	80	86	93	100
	MBh	28.1	28.6	29.9	32.0	27.4	27.9	29.3	31.2	26.7	27.3	28.6	30.5	26.1	26.6	27.9	29.7	24.8	25.3	26.5	28.2	23.0	23.4	24.5	26.2
	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	23	23	21	19	23	23	22	19	23	23	22	19	23	23	22	19	22	22	22	19	20	20	20	17
	kW	2.07	2.12	2.18	2.25	2.23	2.28	2.35	2.42	2.37	2.42	2.49	2.58	2.49	2.54	2.62	2.71	2.59	2.65	2.73	2.82	2.68	2.74	2.83	2.92
Amps	7.8	8.0	8.2	8.5	8.4	8.6	8.9	9.3	9.2	9.4	9.7	10.1	9.8	10.0	10.4	10.8	10.4	10.7	11.1	11.5	11.1	11.3	11.7	12.2	
Hi PR	145	156	165	172	162	175	185	193	185	199	210	219	210	226	239	249	237	255	269	281	262	281	297	310	
Lo PR	64	68	74	79	68	72	78	84	70	75	82	87	74	78	86	91	77	82	90	96	80	85	93	99	
927	MBh	26.7	27.2	28.5	30.4	26.0	26.5	27.8	29.6	25.4	25.9	27.1	28.9	24.8	25.3	26.5	28.2	23.6	24.0	25.1	26.8	21.8	22.2	23.3	24.8
	S/T	0.90	0.87	0.78	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	0.72	1.00	1.00	0.90	0.73
	ΔT	24	23	22	19	24	24	22	19	24	24	22	19	24	24	23	20	23	24	22	19	22	22	21	18
	kW	2.04	2.08	2.15	2.22	2.19	2.24	2.31	2.38	2.33	2.38	2.45	2.53	2.45	2.50	2.58	2.66	2.55	2.60	2.69	2.78	2.64	2.69	2.78	2.87
	Amps	7.6	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	10.2	10.5	10.8	11.3	10.9	11.1	11.5	11.9
	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
	Lo PR	63	67	72	77	66	70	77	84	69	73	80	85	72	77	84	90	76	81	88	94	78	83	91	97
	MBh	28.5	29.0	30.4	32.4	27.8	28.4	29.7	31.7	27.1	27.7	29.0	30.9	26.5	27.0	28.3	30.2	25.2	25.7	26.9	28.7	23.3	23.8	24.9	26.5
	S/T	0.98	0.95	0.85	0.69	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.80
	ΔT	22	22	20	18	22	22	21	18	21	22	21	18	21	21	21	18	20	20	20	18	18	19	19	17
	kW	2.09	2.13	2.19	2.26	2.24	2.29	2.36	2.44	2.38	2.43	2.51	2.59	2.50	2.56	2.64	2.73	2.61	2.66	2.75	2.84	2.70	2.75	2.84	2.94
Amps	7.8	8.0	8.3	8.6	8.5	8.7	9.0	9.3	9.2	9.4	9.8	10.1	9.9	10.1	10.4	10.8	10.5	10.8	11.1	11.6	11.1	11.4	11.8	12.3	
Hi PR	146	157	166	173	164	176	186	194	186	200	211	221	212	228	241	251	238	257	271	283	263	283	299	312	
Lo PR	64	68	75	80	68	72	79	84	71	75	82	87	74	79	86	92	78	83	90	96	80	86	93	100	
MBh	28.1	28.6	29.9	32.0	27.4	27.9	29.3	31.2	26.7	27.3	28.6	30.5	26.1	26.6	27.9	29.7	24.8	25.3	26.5	28.2	23.0	23.4	24.5	26.2	
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	23	23	21	19	23	23	22	19	23	23	22	19	23	23	22	19	22	22	22	19	20	20	20	17	
kW	2.07	2.12	2.18	2.25	2.23	2.28	2.35	2.42	2.37	2.42	2.49	2.58	2.49	2.54	2.62	2.71	2.59	2.65	2.73	2.82	2.68	2.74	2.83	2.92	
Amps	7.8	8.0	8.2	8.5	8.4	8.6	8.9	9.3	9.2	9.4	9.7	10.1	9.8	10.0	10.4	10.8	10.4	10.7	11.1	11.5	11.1	11.3	11.7	12.2	
Hi PR	145	156	165	172	162	175	185	193	185	199	210	219	210	226	239	249	237	255	269	281	262	281	297	310	
Lo PR	64	68	74	79	68	72	78	84	70	75	82	87	74	78	86	91	77	82	90	96	80	85	93	99	
85	MBh	26.7	27.2	28.5	30.4	26.0	26.5	27.8	29.6	25.4	25.9	27.1	28.9	24.8	25.3	26.5	28.2	23.6	24.0	25.1	26.8	21.8	22.2	23.3	24.8
	S/T	0.90	0.87	0.78	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	0.72	1.00	1.00	0.90	0.73
	ΔT	24	23	22	19	24	24	22	19	24	24	22	19	24	24	23	20	23	24	22	19	22	22	21	18
	kW	2.04	2.08	2.15	2.22	2.19	2.24	2.31	2.38	2.33	2.38	2.45	2.53	2.45	2.50	2.58	2.66	2.55	2.60	2.69	2.78	2.64	2.69	2.78	2.87
	Amps	7.6	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	10.2	10.5	10.8	11.3	10.9	11.1	11.5	11.9
	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
	Lo PR	63	67	72	77	66	70	77	84	69	73	80	85	72	77	84	90	76	81	88	94	78	83	91	97
	MBh	28.5	29.0	30.4	32.4	27.8	28.4	29.7	31.7	27.1	27.7	29.0	30.9	26.5	27.0	28.3	30.2	25.2	25.7	26.9	28.7	23.3	23.8	24.9	26.5
	S/T	0.98	0.95	0.85	0.69	1.00	0.98	0.89	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.94	0.76	1.00	1.00	0.97	0.79	1.00	1.00	0.98	0.80
	ΔT	22	22	20	18	22	22	21	18	21	22	21	18	21	21	21	18	20	20	20	18	18	19	19	17
	kW	2.09	2.13	2.19	2.26	2.24	2.29	2.36	2.44	2.38	2.43	2.51	2.59	2.50	2.56	2.64	2.73	2.61	2.66	2.75	2.84	2.70	2.75	2.84	2.94
Amps	7.8	8.0	8.3	8.6	8.5	8.7	9.0	9.3	9.2	9.4	9.8	10.1	9.9	10.1	10.4	10.8	10.5	10.8	11.1	11.6	11.1	11.4	11.8	12.3	
Hi PR	146	157	166	173	164	176	186	194	186	200	211	221	212	228	241	251	238	257	271	283	263	283	299	312	
Lo PR	64	68	75	80	68	72	79	84	71	75	82	87	74	79	86	92	78	83	90	96	80	86	93	100	
MBh	28.1	28.6	29.9	32.0	27.4	27.9	29.3	31.2	26.7	27.3	28.6	30.5	26.1	26.6	27.9	29.7	24.8	25.3	26.5	28.2	23.0	23.4	24.5	26.2	
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	23	23	21	19	23	23	22	19	23	23	22	19	23	23	22	19	22	22	22	19	20	20	20	17	
kW	2.07	2.12	2.18	2.25	2.23	2.28	2.35	2.42	2.37	2.42	2.49	2.58	2.49	2.54	2.62	2.71	2.59	2.65	2.73	2.82	2.68	2.74	2.83	2.92	
Amps	7.8	8.0	8.2	8.5	8.4	8.6	8.9	9.3	9.2	9.4	9.7	10.1	9.8	10.0	10.4	10.8	10.4	10.7	11.1	11.5	11.1	11.3	11.7	12.2	
Hi PR	145	156	165	172	162	175	185	193	185	199	210	219	210	226	239	249	237	255	269	281	262	281	297	310	
Lo PR	64	68	74	79	68	72	78	84	70	75	82	87	74	78	86	91	77	82	90	96	80	85	93	99	

EXPANDED COOLING DATA — GSH130361** / 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	MBh	33.8	35.0	38.4	-	33.0	34.2	37.5	-	32.2	33.4	36.6	-	31.4	32.6	35.7	-	29.9	31.0	33.9	-	27.7	28.7	31.4	-
	S/T	0.76	0.63	0.44	-	0.79	0.66	0.45	-	0.80	0.67	0.47	-	0.83	0.69	0.48	-	0.86	0.72	0.50	-	0.87	0.73	0.50	-
	ΔT	17	14	11	-	17	14	11	-	17	14	11	-	17	15	11	-	17	14	11	-	16	13	10	-
	kW	2.47	2.52	2.60	-	2.65	2.70	2.79	-	2.81	2.86	2.95	-	2.95	3.01	3.10	-	3.06	3.13	3.23	-	3.16	3.23	3.33	-
	Amps	9.2	9.4	9.7	-	9.9	10.1	10.5	-	10.7	11.0	11.3	-	11.5	11.7	12.1	-	12.2	12.5	12.9	-	12.9	13.2	13.6	-
	Hi PR	143	154	163	-	161	173	183	-	183	197	208	-	208	224	236	-	234	252	266	-	259	278	294	-
	Lo PR	65	69	76	-	69	73	80	-	72	76	83	-	75	80	87	-	79	84	91	-	81	87	95	-
	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	-
	kW	2.46	2.51	2.58	-	2.64	2.69	2.77	-	2.79	2.85	2.94	-	2.93	2.99	3.08	-	3.05	3.11	3.21	-	3.15	3.21	3.32	-
1125	Amps	9.1	9.3	9.6	-	9.8	10.1	10.4	-	10.7	10.9	11.3	-	11.4	11.7	12.0	-	12.1	12.4	12.8	-	12.8	13.1	13.6	-
	Hi PR	142	153	162	-	159	172	181	-	181	195	206	-	207	222	235	-	232	250	264	-	257	276	292	-
	Lo PR	65	69	75	-	68	73	79	-	71	76	82	-	75	79	87	-	78	83	91	-	81	86	94	-
	MBh	31.6	32.8	35.9	-	30.9	32.0	35.1	-	30.2	31.3	34.3	-	29.4	30.5	33.4	-	28.0	29.0	31.7	-	25.9	26.8	29.4	-
	S/T	0.69	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	0.66	0.46	-	0.80	0.67	0.46	-
	ΔT	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
	kW	2.42	2.47	2.54	-	2.60	2.65	2.73	-	2.75	2.81	2.89	-	2.88	2.94	3.03	-	3.00	3.06	3.16	-	3.10	3.16	3.26	-
	Amps	9.0	9.2	9.5	-	9.7	9.9	10.2	-	10.5	10.7	11.1	-	11.2	11.4	11.8	-	11.9	12.2	12.6	-	12.6	12.9	13.3	-
	Hi PR	139	150	158	-	156	168	178	-	178	191	202	-	202	218	230	-	228	245	259	-	252	271	286	-
	Lo PR	63	67	74	-	67	71	78	-	70	74	81	-	73	78	85	-	77	82	89	-	79	84	92	-

1425	MBh	34.4	35.4	38.3	41.1	33.6	34.6	37.4	40.2	32.8	33.7	36.5	39.2	32.0	32.9	35.6	38.2	30.4	31.3	33.8	36.3	28.1	29.0	31.4	33.7
	S/T	0.86	0.77	0.58	0.37	0.89	0.80	0.60	0.39	0.91	0.82	0.62	0.40	0.94	0.84	0.64	0.41	0.98	0.88	0.66	0.43	0.99	0.88	0.67	0.43
	ΔT	19	18	14	10	19	18	15	10	19	18	15	10	19	18	15	10	19	18	14	10	18	17	14	9
	kW	2.49	2.54	2.62	2.69	2.67	2.72	2.81	2.89	2.83	2.89	2.98	3.07	2.97	3.03	3.13	3.23	3.09	3.15	3.25	3.36	3.19	3.26	3.36	3.47
	Amps	9.3	9.5	9.8	10.1	10.0	10.2	10.5	10.9	10.8	11.1	11.4	11.9	11.6	11.8	12.2	12.7	12.3	12.6	13.0	13.5	13.0	13.3	13.8	14.3
	Hi PR	145	156	164	171	162	175	184	192	185	199	210	219	210	226	239	249	236	254	269	280	261	281	297	310
	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	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	2.48	2.53	2.60	2.68	2.66	2.71	2.79	2.88	2.81	2.87	2.96	3.05	2.95	3.01	3.11	3.21	3.07	3.14	3.23	3.34	3.17	3.24	3.34	3.45
1275	Amps	9.2	9.4	9.7	10.1	9.9	10.2	10.5	10.9	10.8	11.0	11.4	11.8	11.5	11.8	12.1	12.6	12.2	12.5	12.9	13.4	12.9	13.2	13.7	14.2
	Hi PR	144	155	163	170	161	173	183	191	183	197	208	217	209	225	237	247	235	253	267	278	259	279	295	307
	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
	MBh	32.2	33.1	35.9	38.5	31.4	32.4	35.0	37.6	30.7	31.6	34.2	36.7	29.9	30.8	33.3	35.8	28.4	29.3	31.7	34.0	26.3	27.1	29.3	31.5
	S/T	0.79	0.71	0.53	0.34	0.82	0.73	0.55	0.36	0.84	0.75	0.57	0.37	0.87	0.77	0.59	0.38	0.90	0.80	0.61	0.39	0.91	0.81	0.61	0.39
	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	2.44	2.49	2.56	2.64	2.62	2.67	2.75	2.83	2.77	2.83	2.91	3.00	2.91	2.97	3.06	3.16	3.02	3.09	3.18	3.28	3.12	3.19	3.29	3.39
	Amps	9.0	9.2	9.5	9.9	9.7	10.0	10.3	10.7	10.6	10.8	11.2	11.6	11.3	11.5	11.9	12.4	12.0	12.3	12.7	13.2	12.7	13.0	13.4	13.9
	Hi PR	141	151	160	167	158	170	179	187	180	193	204	213	205	220	232	242	230	248	261	273	254	274	289	301
	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

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 — GSH130361** / ARUF49-00*-1* / ARUF36421A* (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	35.0	35.7	38.2	40.8	34.2	34.9	37.3	39.9	33.4	34.1	36.4	38.9	32.5	33.3	35.5	38.0	30.9	31.6	33.7	36.1	28.6	29.3	31.3	33.4	28.6	29.3	31.3	33.4								
	S/T	0.94	0.89	0.72	0.54	0.98	0.92	0.75	0.56	1.00	0.94	0.77	0.57	1.00	0.97	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62								
	ΔT	21	20	18	14	22	21	18	14	22	21	18	14	21	21	18	14	20	20	18	14	18	19	17	13	18	19	17	13								
	kW	2.51	2.56	2.64	2.72	2.69	2.75	2.83	2.92	2.85	2.91	3.00	3.09	2.99	3.06	3.15	3.25	3.11	3.18	3.28	3.38	3.22	3.28	3.39	3.50	3.22	3.28	3.39	3.50								
	Amps	9.3	9.6	9.9	10.2	10.1	10.3	10.6	11.0	10.9	11.2	11.6	12.0	11.7	11.9	12.3	12.8	12.4	12.7	13.1	13.6	13.1	13.4	13.9	14.4	13.1	13.4	13.9	14.4								
	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								
	Lo PR	66	71	77	82	70	75	82	87	73	78	85	90	77	82	89	95	80	85	93	99	83	88	97	103	83	88	97	103								
	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								
1125	kW	2.50	2.55	2.62	2.70	2.68	2.73	2.81	2.90	2.84	2.89	2.98	3.08	2.98	3.04	3.13	3.23	3.10	3.16	3.26	3.37	3.20	3.27	3.37	3.48	3.20	3.27	3.37	3.48								
	Amps	9.3	9.5	9.8	10.2	10.0	10.2	10.6	11.0	10.9	11.1	11.5	11.9	11.6	11.9	12.3	12.7	12.3	12.6	13.0	13.5	13.0	13.4	13.8	14.3	13.0	13.4	13.8	14.3								
	Hi PR	145	156	165	172	163	175	185	193	185	199	210	219	211	227	240	250	237	255	270	281	262	282	298	311	262	282	298	311								
	Lo PR	66	70	77	82	70	74	81	86	72	77	84	90	76	81	88	94	80	85	93	99	83	88	96	102	83	88	96	102								
	MBh	32.7	33.5	35.7	38.2	32.0	32.7	34.9	37.3	31.2	31.9	34.1	36.4	30.5	31.1	33.3	35.5	28.9	29.6	31.6	33.8	26.8	27.4	29.3	31.3	26.8	27.4	29.3	31.3								
	S/T	0.87	0.81	0.66	0.49	0.90	0.84	0.69	0.51	0.92	0.86	0.70	0.53	0.95	0.89	0.73	0.54	0.99	0.92	0.75	0.56	0.99	0.93	0.76	0.57	0.99	0.93	0.76	0.57								
	ΔT	23	22	19	15	23	22	20	16	23	23	20	16	24	23	20	16	23	22	19	16	22	21	18	14	22	21	18	14								
	kW	2.46	2.51	2.58	2.66	2.64	2.69	2.77	2.86	2.79	2.85	2.94	3.03	2.93	2.99	3.08	3.18	3.05	3.11	3.21	3.31	3.15	3.21	3.32	3.42	3.15	3.21	3.32	3.42								
	Amps	9.1	9.3	9.6	10.0	9.8	10.1	10.4	10.8	10.7	10.9	11.3	11.7	11.4	11.7	12.0	12.5	12.1	12.4	12.8	13.3	12.8	13.1	13.6	14.1	12.8	13.1	13.6	14.1								
	Hi PR	142	153	162	168	159	172	181	189	181	195	206	215	207	222	235	245	232	250	264	275	257	276	292	304	257	276	292	304								
Lo PR	65	69	75	80	68	73	79	85	71	76	82	88	75	79	87	92	78	83	91	97	81	86	94	100	81	86	94	100									

1425	MBh	35.6	36.3	38.0	40.5	34.8	35.4	37.1	39.6	33.9	34.6	36.2	38.7	33.1	33.8	35.3	37.7	31.5	32.1	33.6	35.8	29.1	29.7	31.1	33.2
	S/T	0.99	0.96	0.86	0.70	1.00	0.99	0.89	0.72	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.98	0.80	1.00	1.00	0.99	0.80
	ΔT	23	22	21	18	22	23	21	19	22	22	21	19	21	22	22	19	20	21	21	18	19	19	20	17
	kW	2.53	2.58	2.66	2.74	2.71	2.77	2.85	2.94	2.87	2.93	3.02	3.12	3.02	3.08	3.18	3.28	3.14	3.20	3.31	3.41	3.24	3.31	3.42	3.53
	Amps	9.4	9.6	9.9	10.3	10.2	10.4	10.7	11.1	11.0	11.3	11.7	12.1	11.8	12.1	12.4	12.9	12.5	12.8	13.2	13.7	13.2	13.6	14.0	14.5
	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	67	71	78	83	71	75	82	88	74	78	86	91	77	82	90	96	81	86	94	100	84	89	97	104
	MBh	35.1	35.7	37.4	39.9	34.3	34.9	36.6	39.0	33.4	34.1	35.7	38.1	32.6	33.3	34.8	37.2	31.0	31.6	33.1	35.3	28.7	29.3	30.6	32.7
	S/T	0.95	0.91	0.83	0.67	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
1275	kW	2.52	2.57	2.64	2.72	2.70	2.75	2.84	2.92	2.86	2.92	3.01	3.10	3.00	3.06	3.16	3.26	3.12	3.19	3.29	3.39	3.22	3.29	3.40	3.51
	Amps	9.4	9.6	9.9	10.2	10.1	10.3	10.7	11.1	11.0	11.2	11.6	12.0	11.7	12.0	12.4	12.8	12.4	12.7	13.2	13.6	13.2	13.5	13.9	14.5
	Hi PR	146	158	166	174	164	177	187	195	187	201	212	222	213	229	242	252	240	258	272	284	265	285	301	314
	Lo PR	67	71	77	82	70	75	82	87	73	78	85	91	77	82	89	95	81	86	94	100	83	89	97	103
	MBh	33.3	34.0	35.6	37.9	32.5	33.2	34.7	37.1	31.8	32.4	33.9	36.2	31.0	31.6	33.1	35.3	29.4	30.0	31.4	33.5	27.3	27.8	29.1	31.1
1125	S/T	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.66	0.96	0.93	0.84	0.68	1.00	0.96	0.87	0.70	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74
	ΔT	25	24	23	20	25	25	23	20	25	25	23	20	25	25	23	20	24	24	23	20	22	23	22	19
	kW	2.48	2.53	2.60	2.68	2.66	2.71	2.79	2.88	2.81	2.87	2.96	3.05	2.95	3.01	3.11	3.21	3.07	3.14	3.23	3.34	3.17	3.24	3.34	3.45
	Amps	9.2	9.4	9.7	10.1	9.9	10.2	10.5	10.9	10.8	11.0	11.4	11.8	11.5	11.8	12.1	12.6	12.2	12.5	12.9	13.4	12.9	13.2	13.7	14.2
	Hi PR	144	154	163	170	161	173	183	191	183	197	208	217	209	225	237	247	235	253	267	278	259	279	295	307
	Lo PR	65	69	76	81	69	73	80	85	72	76	83	89	75	80	88	93	79	84	92	98	82	87	95	101

EXPANDED COOLING DATA — GSH130421A* / 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	MBh	39.2	40.6	44.5	-	38.3	39.7	43.5	-	37.4	38.7	42.4	-	36.5	37.8	41.4	-	34.6	35.9	39.3	-	32.1	33.3	36.4	-
	S/T	0.77	0.64	0.44	-	0.79	0.66	0.46	-	0.81	0.68	0.47	-	0.84	0.70	0.49	-	0.87	0.73	0.50	-	0.88	0.73	0.51	-
	ΔT	16	14	11	-	17	14	11	-	17	14	11	-	17	14	11	-	16	14	11	-	15	13	10	-
	kW	2.84	2.90	2.98	-	3.05	3.11	3.20	-	3.22	3.29	3.39	-	3.38	3.45	3.56	-	3.51	3.59	3.70	-	3.63	3.70	3.82	-
	Amps	10.6	10.8	11.2	-	11.4	11.7	12.1	-	12.4	12.7	13.1	-	13.2	13.6	14.0	-	14.1	14.4	14.9	-	14.9	15.3	15.8	-
	Hi PR	137	148	156	-	154	166	175	-	175	188	199	-	199	215	227	-	224	241	255	-	248	267	282	-
	Lo PR	60	64	70	-	64	68	74	-	66	70	77	-	70	74	81	-	73	78	85	-	75	80	88	-
	MBh	38.1	39.4	43.2	-	37.2	38.5	42.2	-	36.3	37.6	41.2	-	35.4	36.7	40.2	-	33.6	34.9	38.2	-	31.2	32.3	35.4	-
	S/T	0.73	0.61	0.42	-	0.76	0.63	0.44	-	0.78	0.65	0.45	-	0.80	0.67	0.46	-	0.83	0.69	0.48	-	0.84	0.70	0.49	-
	ΔT	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	11	-
1500	kW	2.82	2.88	2.96	-	3.02	3.08	3.17	-	3.20	3.26	3.36	-	3.35	3.42	3.53	-	3.49	3.56	3.67	-	3.60	3.68	3.79	-
	Amps	10.5	10.7	11.1	-	11.3	11.6	11.9	-	12.3	12.6	13.0	-	13.1	13.4	13.9	-	13.9	14.3	14.8	-	14.8	15.1	15.6	-
	Hi PR	136	146	154	-	152	164	173	-	173	187	197	-	197	212	224	-	222	239	252	-	245	264	279	-
	Lo PR	60	63	69	-	63	67	73	-	66	70	76	-	69	73	80	-	72	77	84	-	75	79	87	-
	MBh	35.1	36.4	39.9	-	34.3	35.6	39.0	-	33.5	34.7	38.0	-	32.7	33.9	37.1	-	31.0	32.2	35.2	-	28.8	29.8	32.7	-
	S/T	0.70	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	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-	16	14	11	-
	kW	2.76	2.82	2.90	-	2.96	3.01	3.10	-	3.13	3.19	3.28	-	3.28	3.34	3.45	-	3.40	3.47	3.58	-	3.51	3.59	3.70	-
	Amps	10.2	10.4	10.8	-	11.0	11.3	11.6	-	11.9	12.2	12.6	-	12.7	13.1	13.5	-	13.6	13.9	14.4	-	14.4	14.7	15.2	-
	Hi PR	132	142	150	-	148	159	168	-	168	181	191	-	191	206	218	-	215	232	245	-	238	256	270	-
	Lo PR	58	62	67	-	61	65	71	-	64	68	74	-	67	71	78	-	70	74	81	-	72	77	84	-

1688	MBh	39.9	41.0	44.4	47.7	38.9	40.1	43.4	46.6	38.0	39.1	42.4	45.5	37.1	38.2	41.3	44.4	35.2	36.3	39.3	42.1	32.6	33.6	36.4	39.0
	S/T	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.93	0.83	0.63	0.40	0.95	0.85	0.65	0.42	0.99	0.89	0.67	0.43	1.00	0.89	0.68	0.44
	ΔT	19	17	14	10	19	18	14	10	19	18	14	10	19	18	15	10	19	18	14	10	18	16	13	9
	kW	2.87	2.92	3.01	3.10	3.07	3.13	3.22	3.32	3.25	3.31	3.41	3.52	3.41	3.48	3.58	3.70	3.54	3.62	3.73	3.85	3.66	3.73	3.85	3.97
	Amps	10.7	10.9	11.3	11.7	11.5	11.8	12.2	12.6	12.5	12.8	13.2	13.7	13.4	13.7	14.1	14.7	14.2	14.6	15.0	15.6	15.1	15.4	15.9	16.5
	Hi PR	139	149	157	164	155	167	177	184	177	190	201	210	201	217	229	239	227	244	257	269	250	269	285	297
	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	38.7	39.8	43.1	46.3	37.8	38.9	42.1	45.2	36.9	38.0	41.1	44.1	36.0	37.1	40.1	43.1	34.2	35.2	38.1	40.9	31.7	32.6	35.3	37.9
	S/T	0.83	0.74	0.56	0.36	0.86	0.77	0.58	0.37	0.88	0.79	0.60	0.38	0.91	0.81	0.62	0.40	0.95	0.85	0.64	0.41	0.95	0.85	0.65	0.42
	ΔT	20	18	15	10	20	18	15	10	20	18	15	10	20	19	15	10	20	18	15	10	19	17	14	10
1500	kW	2.84	2.90	2.98	3.07	3.05	3.11	3.20	3.30	3.22	3.29	3.39	3.49	3.38	3.45	3.56	3.67	3.51	3.59	3.70	3.82	3.63	3.70	3.82	3.94
	Amps	10.6	10.8	11.2	11.6	11.4	11.7	12.1	12.5	12.4	12.7	13.1	13.6	13.2	13.6	14.0	14.5	14.1	14.4	14.9	15.5	14.9	15.3	15.8	16.4
	Hi PR	137	148	156	163	154	166	175	182	175	188	199	208	199	215	227	236	224	241	255	266	248	267	282	294
	Lo PR	60	64	70	75	64	68	74	79	66	70	77	82	70	74	81	86	73	78	85	90	75	80	88	93
	MBh	35.7	36.8	39.8	42.7	34.9	35.9	38.9	41.7	34.1	35.1	38.0	40.7	33.2	34.2	37.0	39.7	31.6	32.5	35.2	37.8	29.2	30.1	32.6	35.0
	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	0.59	0.38	0.91	0.82	0.62	0.40	0.92	0.82	0.62	0.40
	ΔT	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	19	15	10	19	17	14	10
	kW	2.78	2.84	2.92	3.00	2.98	3.04	3.13	3.22	3.15	3.21	3.31	3.41	3.30	3.37	3.47	3.58	3.43	3.50	3.61	3.72	3.54	3.62	3.73	3.85
	Amps	10.3	10.5	10.9	11.3	11.1	11.4	11.7	12.2	12.0	12.3	12.7	13.2	12.9	13.2	13.6	14.1	13.7	14.0	14.5	15.0	14.5	14.9	15.4	15.9
	Hi PR	133	143	151	158	149	161	170	177	170	183	193	201	193	208	220	229	218	234	247	258	240	259	273	285
	Lo PR	58	62	68	72	62	66	72	76	64	68	75	79	67	72	78	83	71	75	82	87	73	78	85	90

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 — GSH130421A* / ARUF49-00*-1* / ARUF36421A* (CONT.)

		OUTDOOR AMBIENT TEMPERATURE												115°F																							
		65°F						75°F						85°F						95°F						105°F						115°F					
		ENTERING INDOOR WET BULB TEMPERATURE																																			
IDB	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
80	MBh	40.6	41.5	44.3	47.3	39.6	40.5	43.3	46.2	38.7	39.5	42.2	45.1	37.7	38.6	41.2	44.0	35.9	36.6	39.1	41.8	33.2	33.9	36.3	38.8	33.2	33.9	36.3	38.8	33.2	33.9	36.3	38.8				
	S/T	0.95	0.90	0.73	0.54	1.00	0.93	0.76	0.56	1.00	0.95	0.77	0.58	1.00	0.90	0.80	0.60	1.00	1.00	0.83	0.62	1.00	1.00	0.84	0.63	1.00	1.00	0.83	0.62	1.00	1.00	0.84	0.63				
	ΔT	21	20	18	14	22	20	18	14	21	20	18	14	21	21	18	14	20	20	18	14	18	18	17	13	18	18	17	13	18	18	17	13				
	kW	2.89	2.94	3.03	3.12	3.09	3.15	3.25	3.35	3.27	3.34	3.44	3.55	3.43	3.50	3.61	3.73	3.57	3.64	3.76	3.88	3.69	3.76	3.88	4.01	3.69	3.76	3.88	4.01	3.69	3.76	3.88	4.01				
	Amps	10.7	11.0	11.4	11.8	11.6	11.9	12.3	12.7	12.6	12.9	13.3	13.8	13.5	13.8	14.3	14.8	14.3	14.7	15.2	15.8	15.2	15.6	16.1	16.7	15.2	15.6	16.1	16.7	15.2	15.6	16.1	16.7				
	Hi PR	140	151	159	166	157	169	178	186	179	192	203	212	203	219	231	241	229	246	260	271	253	272	287	300	253	272	287	300	253	272	287	300				
	Lo PR	62	65	71	76	65	69	75	80	68	72	78	84	71	75	82	88	74	79	86	92	77	82	89	95	77	82	89	95	77	82	89	95				
	MBh	39.4	40.2	43.0	46.0	38.5	39.3	42.0	44.9	37.6	38.4	41.0	43.8	36.6	37.4	40.0	42.8	34.8	35.6	38.0	40.6	32.2	32.9	35.2	37.6	32.2	32.9	35.2	37.6	32.2	32.9	35.2	37.6				
	S/T	0.91	0.85	0.70	0.52	0.94	0.89	0.72	0.54	0.97	0.91	0.74	0.55	1.00	0.94	0.76	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.60	1.00	0.98	0.80	0.60	1.00	0.98	0.80	0.60				
	ΔT	22	21	18	15	22	21	19	15	22	21	19	15	22	21	19	15	22	21	18	15	20	20	17	14	20	20	17	14	20	20	17	14				
	kW	2.87	2.92	3.01	3.10	3.07	3.13	3.22	3.32	3.25	3.31	3.42	3.52	3.41	3.48	3.58	3.70	3.54	3.62	3.73	3.85	3.66	3.73	3.85	3.98	3.66	3.73	3.85	3.98	3.66	3.73	3.85	3.98				
Amps	10.7	10.9	11.3	11.7	11.5	11.8	12.2	12.6	12.5	12.8	13.2	13.7	13.4	13.7	14.1	14.7	14.2	14.6	15.0	15.6	15.1	15.4	15.9	16.5	15.1	15.4	15.9	16.5	15.1	15.4	15.9	16.5					
Hi PR	139	149	157	164	156	167	177	184	177	190	201	210	201	217	229	239	227	244	258	269	250	269	285	297	250	269	285	297	250	269	285	297					
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	76	81	88	94	76	81	88	94					
1313	MBh	36.4	37.1	39.7	42.4	35.5	36.3	38.8	41.4	34.7	35.4	37.8	40.5	33.8	34.6	36.9	39.5	32.1	32.8	35.1	37.5	29.8	30.4	32.5	34.7	29.8	30.4	32.5	34.7	29.8	30.4	32.5	34.7				
	S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	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	1.01	0.95	0.77	0.58	1.01	0.95	0.77	0.58	1.01	0.95	0.77	0.58				
	ΔT	22	21	19	15	23	22	19	15	23	22	19	15	23	22	19	15	22	22	19	15	21	20	18	14	21	20	18	14	21	20	18	14				
	kW	2.80	2.86	2.94	3.03	3.00	3.06	3.15	3.25	3.17	3.24	3.34	3.44	3.33	3.40	3.50	3.61	3.46	3.53	3.64	3.75	3.57	3.65	3.76	3.88	3.57	3.65	3.76	3.88	3.57	3.65	3.76	3.88				
	Amps	10.4	10.6	11.0	11.4	11.2	11.5	11.8	12.3	12.2	12.4	12.9	13.3	13.0	13.3	13.7	14.3	13.8	14.2	14.6	15.2	14.6	15.0	15.5	16.1	14.6	15.0	15.5	16.1	14.6	15.0	15.5	16.1				
	Hi PR	134	145	153	159	151	162	171	179	172	185	195	203	195	210	222	232	220	237	250	261	243	261	276	288	243	261	276	288	243	261	276	288				
	Lo PR	59	63	69	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	79	86	91	74	79	86	91	74	79	86	91				

1688	MBh	41.3	42.1	44.1	47.0	40.3	41.1	43.0	45.9	39.4	40.1	42.0	44.8	38.4	39.1	41.0	43.7	36.5	37.2	38.9	41.5	33.8	34.4	36.1	38.5
	S/T	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.93	0.75	1.00	1.00	0.96	0.78	1.00	1.00	0.99	0.81	1.00	1.00	1.00	0.81
	ΔT	22	22	21	18	22	22	21	18	21	22	21	18	21	21	21	18	20	20	21	18	18	19	20	17
	kW	2.91	2.96	3.05	3.14	3.12	3.18	3.27	3.37	3.30	3.37	3.47	3.58	3.46	3.53	3.64	3.76	3.60	3.67	3.79	3.91	3.72	3.79	3.91	4.04
	Amps	10.8	11.1	11.5	11.9	11.7	12.0	12.4	12.9	12.7	13.0	13.5	14.0	13.6	13.9	14.4	14.9	14.5	14.8	15.3	15.9	15.3	15.7	16.2	16.9
	Hi PR	141	152	161	168	159	171	180	188	180	194	205	214	205	221	234	244	231	249	263	274	255	275	290	303
	Lo PR	62	66	72	77	66	70	76	81	68	73	79	84	72	76	83	89	75	80	87	93	78	83	90	96
	MBh	40.1	40.9	42.8	45.6	39.1	39.9	41.8	44.6	38.2	39.0	40.8	43.5	37.3	38.0	39.8	42.5	35.4	36.1	37.8	40.3	32.8	33.4	35.0	37.4
	S/T	0.95	0.92	0.83	0.67	0.99	0.95	0.86	0.70	1.00	0.98	0.88	0.72	1.00	1.00	0.91	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.95	0.77
	ΔT	23	23	22	19	24	23	22	19	23	23	22	19	23	23	22	19	22	22	22	19	20	20	20	18
	kW	2.89	2.94	3.03	3.12	3.09	3.15	3.25	3.35	3.27	3.34	3.44	3.55	3.43	3.50	3.61	3.73	3.57	3.64	3.76	3.88	3.69	3.76	3.88	4.01
Amps	10.7	11.0	11.4	11.8	11.6	11.9	12.3	12.7	12.6	12.9	13.3	13.8	13.5	13.8	14.3	14.8	14.3	14.7	15.2	15.8	15.2	15.6	16.1	16.7	
Hi PR	140	151	159	166	157	169	178	186	179	192	203	212	203	219	231	241	229	246	260	271	253	272	287	300	
Lo PR	62	65	71	76	65	69	75	80	68	72	78	84	71	75	82	88	74	79	86	92	77	82	89	95	
1313	MBh	37.0	37.7	39.5	42.1	36.1	36.8	38.6	41.2	35.3	36.0	37.7	40.2	34.4	35.1	36.7	39.2	32.7	33.3	34.9	37.2	30.3	30.9	32.3	34.5
	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	0.97	0.88	0.71	1.00	1.00	0.91	0.74	1.00	1.00	0.92	0.75
	ΔT	24	23	22	19	24	24	22	19	24	24	22	19	24	24	23	20	23	23	22	19	21	22	21	18
	kW	2.82	2.88	2.96	3.05	3.02	3.08	3.17	3.27	3.20	3.26	3.36	3.47	3.35	3.42	3.53	3.64	3.49	3.56	3.67	3.78	3.60	3.67	3.79	3.91
	Amps	10.5	10.7	11.1	11.5	11.3	11.6	11.9	12.4	12.3	12.6	13.0	13.5	13.1	13.4	13.9	14.4	13.9	14.3	14.8	15.3	14.8	15.1	15.6	16.2
	Hi PR	136	146	154	161	152	164	173	181	173	186	197	205	197	212	224	234	222	239	252	263	245	264	279	291
	Lo PR	60	63	69	74	63	67	73	78	66	70	76	81	69	73	80	85	72	77	84	89	75	79	87	92

EXPANDED COOLING DATA — GSH130481A* / 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	44.1	45.7	50.1	-	43.1	44.6	48.9	-	42.0	43.6	47.7	-	41.0	42.5	46.6	-	39.0	40.4	44.3	-	36.1	37.4	41.0	-
	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	-
	kW	3.22	3.28	3.37	-	3.44	3.51	3.61	-	3.64	3.71	3.82	-	3.81	3.89	4.01	-	3.96	4.04	4.17	-	4.09	4.17	4.30	-
	Amps	12.1	12.4	12.8	-	13.0	13.4	13.8	-	14.2	14.5	15.0	-	15.1	15.5	16.0	-	16.1	16.5	17.0	-	17.1	17.5	18.1	-
	Hi PR	142	153	161	-	159	172	181	-	181	195	206	-	207	222	235	-	232	250	264	-	257	276	292	-
	Lo PR	64	68	74	-	67	72	78	-	70	75	81	-	74	78	86	-	77	82	90	-	80	85	93	-
	MBh	42.8	44.4	48.6	-	41.8	43.3	47.5	-	40.8	42.3	46.4	-	39.8	41.3	45.2	-	37.8	39.2	43.0	-	35.0	36.3	39.8	-
	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	14	11	-
1600	kW	3.20	3.26	3.35	-	3.42	3.48	3.58	-	3.61	3.68	3.79	-	3.78	3.86	3.98	-	3.93	4.01	4.13	-	4.06	4.14	4.27	-
	Amps	12.0	12.3	12.7	-	12.9	13.2	13.7	-	14.0	14.4	14.8	-	15.0	15.4	15.9	-	16.0	16.3	16.9	-	16.9	17.3	17.9	-
	Hi PR	141	151	160	-	158	170	179	-	180	193	204	-	205	220	232	-	230	248	261	-	254	274	289	-
	Lo PR	63	67	73	-	67	71	78	-	69	74	81	-	73	78	85	-	76	81	89	-	79	84	92	-
	MBh	39.5	41.0	44.9	-	38.6	40.0	43.8	-	37.7	39.1	42.8	-	36.8	38.1	41.7	-	34.9	36.2	39.7	-	32.3	33.5	36.7	-
	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	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-
	kW	3.13	3.19	3.28	-	3.34	3.41	3.50	-	3.53	3.60	3.71	-	3.70	3.77	3.89	-	3.84	3.92	4.04	-	3.96	4.04	4.17	-
	Amps	11.7	11.9	12.3	-	12.6	12.9	13.3	-	13.7	14.0	14.4	-	14.6	14.9	15.4	-	15.5	15.9	16.4	-	16.4	16.8	17.4	-
	Hi PR	136	147	155	-	153	165	174	-	174	187	198	-	198	213	225	-	223	240	254	-	247	265	280	-
	Lo PR	61	65	71	-	65	69	75	-	67	72	78	-	71	75	82	-	74	79	86	-	77	82	89	-

1800	MBh	44.8	46.2	50.0	53.6	43.8	45.1	48.8	52.4	42.8	44.0	47.7	51.1	41.7	42.9	46.5	49.9	39.6	40.8	44.2	47.4	36.7	37.8	40.9	43.9
	S/T	0.86	0.77	0.58	0.38	0.89	0.80	0.61	0.39	0.92	0.82	0.62	0.40	0.95	0.85	0.64	0.41	0.98	0.88	0.66	0.43	0.99	0.89	0.67	0.43
	ΔT	20	18	15	10	20	18	15	10	20	18	15	10	20	19	15	11	20	18	15	10	19	17	14	10
	kW	3.24	3.30	3.40	3.50	3.47	3.54	3.64	3.75	3.67	3.74	3.85	3.97	3.84	3.92	4.04	4.16	3.99	4.07	4.20	4.33	4.12	4.21	4.34	4.47
	Amps	12.2	12.5	12.9	13.4	13.2	13.5	13.9	14.4	14.3	14.6	15.1	15.7	15.3	15.6	16.2	16.8	16.2	16.6	17.2	17.9	17.2	17.6	18.2	18.9
	Hi PR	144	154	163	170	161	173	183	191	183	197	208	217	209	225	237	247	235	253	267	278	259	279	295	307
	Lo PR	65	69	75	80	68	73	79	84	71	75	82	88	74	79	86	92	78	83	91	96	81	86	94	100
	MBh	43.5	44.8	48.5	52.1	42.5	43.8	47.4	50.9	41.5	42.7	46.3	49.7	40.5	41.7	45.1	48.4	38.5	39.6	42.9	46.0	35.6	36.7	39.7	42.6
	S/T	0.82	0.74	0.56	0.36	0.85	0.76	0.58	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.94	0.84	0.63	0.41	0.94	0.84	0.64	0.41
	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	3.22	3.28	3.37	3.47	3.44	3.51	3.61	3.72	3.64	3.71	3.82	3.94	3.81	3.89	4.01	4.13	3.96	4.04	4.17	4.30	4.09	4.17	4.30	4.44
	Amps	12.1	12.4	12.8	13.2	13.0	13.4	13.8	14.3	14.2	14.5	15.0	15.5	15.1	15.5	16.0	16.6	16.1	16.5	17.0	17.7	17.1	17.5	18.1	18.7
	Hi PR	142	153	162	168	159	172	181	189	181	195	206	215	207	222	235	245	232	250	264	275	257	276	292	304
	Lo PR	64	68	74	79	68	72	78	83	70	75	81	87	74	78	86	91	77	82	90	96	80	85	93	99
	MBh	40.2	41.4	44.8	48.1	39.3	40.4	43.7	46.9	38.3	39.5	42.7	45.8	37.4	38.5	41.7	44.7	35.5	36.6	39.6	42.5	32.9	33.9	36.7	39.3
	S/T	0.79	0.71	0.54	0.35	0.82	0.74	0.56	0.36	0.84	0.75	0.57	0.37	0.87	0.78	0.59	0.38	0.90	0.81	0.61	0.39	0.91	0.81	0.62	0.40
	ΔT	21	19	16	11	21	20	16	11	21	20	16	11	21	20	16	11	21	19	16	11	20	18	15	10
	kW	3.15	3.21	3.30	3.40	3.37	3.43	3.53	3.64	3.56	3.63	3.74	3.85	3.73	3.80	3.92	4.04	3.87	3.95	4.07	4.20	3.99	4.08	4.20	4.33
	Amps	11.8	12.0	12.4	12.9	12.7	13.0	13.4	13.9	13.8	14.1	14.6	15.1	14.7	15.1	15.6	16.2	15.7	16.0	16.6	17.2	16.6	17.0	17.6	18.2
	Hi PR	138	148	157	163	155	166	176	183	176	189	200	209	200	216	228	238	225	243	256	267	249	268	283	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

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 — GSH130481A* / ARUF61-00*-1* / ARUF48601A* (CONT.)

IDB		OUTDOOR AMBIENT TEMPERATURE																																			
		65°F						75°F						85°F						95°F						105°F						115°F					
		ENTERING INDOOR WET BULB TEMPERATURE																																			
		59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
80	AIRFLOW	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71				
	MBh	45.6	46.6	49.8	53.3	44.6	45.6	48.7	52.0	43.5	44.5	47.5	50.8	42.5	43.4	46.4	49.5	40.3	41.2	44.0	47.1	37.4	38.2	40.8	43.6	37.4	38.2	40.8	43.6	37.4	38.2	40.8	43.6				
	S/T	0.95	0.89	0.72	0.54	1.00	0.92	0.75	0.56	1.00	0.94	0.77	0.57	1.00	1.00	0.79	0.59	1.00	1.00	0.82	0.61	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62	1.00	1.00	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	19	19	17	14				
	kW	3.27	3.33	3.42	3.52	3.49	3.56	3.67	3.78	3.69	3.77	3.88	4.00	3.87	3.95	4.07	4.20	4.02	4.11	4.23	4.37	4.15	4.24	4.37	4.51	4.15	4.24	4.37	4.51	4.15	4.24	4.37	4.51				
	Amps	12.3	12.6	13.0	13.5	13.3	13.6	14.0	14.6	14.4	14.8	15.3	15.8	15.4	15.8	16.3	16.9	16.4	16.8	17.4	18.0	17.4	17.8	18.4	19.1	17.4	17.8	18.4	19.1	17.4	17.8	18.4	19.1				
	Hi PR	145	156	165	172	163	175	185	193	185	199	210	219	211	227	240	250	237	255	269	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				
	MBh	44.3	45.3	48.4	51.7	43.3	44.2	47.3	50.5	42.3	43.2	46.1	49.3	41.2	42.1	45.0	48.1	39.2	40.0	42.8	45.7	36.3	37.1	39.6	42.3	36.3	37.1	39.6	42.3	36.3	37.1	39.6	42.3				
	S/T	0.90	0.85	0.69	0.51	0.94	0.88	0.71	0.53	0.96	0.90	0.73	0.55	0.99	0.93	0.76	0.56	1.00	0.96	0.78	0.59	1.00	0.97	0.79	0.59	1.00	0.97	0.79	0.59	1.00	0.97	0.79	0.59				
ΔT	23	22	19	15	23	22	19	15	23	22	19	16	23	22	19	16	23	22	19	15	21	21	18	14	21	21	18	14	21	21	18	14					
kW	3.24	3.30	3.40	3.50	3.47	3.54	3.64	3.75	3.67	3.74	3.85	3.97	3.84	3.92	4.04	4.17	3.99	4.07	4.20	4.33	4.12	4.21	4.34	4.47	4.12	4.21	4.34	4.47	4.12	4.21	4.34	4.47					
Amps	12.2	12.5	12.9	13.4	13.2	13.5	13.9	14.4	14.3	14.6	15.1	15.7	15.3	15.6	16.2	16.8	16.3	16.6	17.2	17.9	17.2	17.6	18.2	18.9	17.2	17.6	18.2	18.9	17.2	17.6	18.2	18.9					
Hi PR	144	155	163	170	161	173	183	191	183	197	208	217	209	225	237	247	235	253	267	278	259	279	295	307	259	279	295	307	259	279	295	307					
Lo PR	65	69	75	80	68	73	79	84	71	75	82	88	74	79	86	92	78	83	91	96	81	86	94	100	81	86	94	100	81	86	94	100					
1400	MBh	40.9	41.8	44.7	47.7	39.9	40.8	43.6	46.6	39.0	39.8	42.6	45.5	38.0	38.9	41.5	44.4	36.1	36.9	39.5	42.2	33.5	34.2	36.6	39.1	33.5	34.2	36.6	39.1	33.5	34.2	36.6	39.1				
	S/T	0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.51	0.92	0.87	0.71	0.53	0.95	0.90	0.73	0.54	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57	1.00	0.94	0.76	0.57	1.00	0.94	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	22	21	18	15				
	kW	3.17	3.23	3.32	3.42	3.39	3.46	3.56	3.66	3.58	3.66	3.76	3.88	3.75	3.83	3.95	4.07	3.90	3.98	4.10	4.23	4.03	4.11	4.23	4.37	4.03	4.11	4.23	4.37	4.03	4.11	4.23	4.37				
	Amps	11.9	12.1	12.5	13.0	12.8	13.1	13.5	14.0	13.9	14.2	14.7	15.3	14.9	15.2	15.7	16.3	15.8	16.2	16.7	17.4	16.7	17.1	17.7	18.4	16.7	17.1	17.7	18.4	16.7	17.1	17.7	18.4				
	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	252	271	286	298	252	271	286	298				
	Lo PR	63	67	73	77	66	70	77	82	69	73	80	85	72	77	84	89	76	81	88	94	78	83	91	97	78	83	91	97	78	83	91	97				

1800	MBh	46.4	47.3	49.6	52.9	45.4	46.2	48.4	51.7	44.3	45.1	47.3	50.4	43.2	44.0	46.1	49.2	41.0	41.8	43.8	46.7	38.0	38.8	40.6	43.3
	S/T	0.99	0.96	0.86	0.70	1.00	0.99	0.90	0.73	1.00	1.00	0.92	0.74	1.00	1.00	0.95	0.77	1.00	1.00	0.98	0.80	1.00	1.00	0.99	0.80
	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	3.29	3.35	3.45	3.55	3.52	3.59	3.69	3.81	3.72	3.80	3.91	4.03	3.90	3.98	4.10	4.23	4.05	4.14	4.27	4.40	4.19	4.27	4.41	4.55
	Amps	12.4	12.7	13.1	13.6	13.4	13.7	14.2	14.7	14.6	14.9	15.4	16.0	15.6	15.9	16.5	17.1	16.6	17.0	17.5	18.2	17.5	18.0	18.6	19.3
	Hi PR	146	158	166	174	164	177	187	195	187	201	212	222	213	229	242	252	239	258	272	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	45.1	46.0	48.1	51.4	44.0	44.9	47.0	50.2	43.0	43.8	45.9	49.0	41.9	42.8	44.8	47.8	39.8	40.6	42.5	45.4	36.9	37.6	39.4	42.0
	S/T	0.95	0.91	0.82	0.67	0.98	0.95	0.85	0.69	1.00	0.97	0.88	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.94	0.76	1.00	1.00	0.95	0.77
	ΔT	25	24	23	20	25	24	23	20	25	24	23	20	24	25	23	20	23	23	23	20	21	22	21	19
1600	kW	3.27	3.33	3.42	3.52	3.49	3.56	3.67	3.78	3.69	3.77	3.88	4.00	3.87	3.95	4.07	4.20	4.02	4.11	4.23	4.37	4.15	4.24	4.37	4.51
	Amps	12.3	12.6	13.0	13.5	13.3	13.6	14.0	14.6	14.4	14.8	15.3	15.8	15.4	15.8	16.3	16.9	16.4	16.8	17.4	18.0	17.4	17.8	18.4	19.1
	Hi PR	145	156	165	172	163	175	185	193	185	199	210	219	211	227	240	250	237	255	269	281	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
	MBh	41.6	42.4	44.4	47.4	40.6	41.4	43.4	46.3	39.7	40.4	42.4	45.2	38.7	39.5	41.3	44.1	36.8	37.5	39.3	41.9	34.1	34.7	36.4	38.8
1400	S/T	0.91	0.88	0.79	0.64	0.95	0.91	0.82	0.67	0.97	0.94	0.84	0.68	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74
	ΔT	25	25	23	20	25	25	23	20	25	25	23	20	25	25	24	20	24	25	23	20	22	23	22	19
	kW	3.19	3.26	3.35	3.45	3.42	3.48	3.58	3.69	3.61	3.68	3.79	3.91	3.78	3.86	3.98	4.10	3.93	4.01	4.13	4.26	4.06	4.14	4.27	4.40
	Amps	12.0	12.3	12.6	13.1	12.9	13.2	13.7	14.2	14.0	14.4	14.8	15.4	15.0	15.4	15.9	16.5	15.9	16.3	16.9	17.5	16.9	17.3	17.9	18.6
	Hi PR	141	151	160	167	158	170	179	187	180	193	204	213	204	220	232	242	230	248	261	273	254	273	289	301
Lo PR	63	67	72	78	67	71	78	82	69	74	81	86	72	78	85	90	76	81	89	95	79	84	92	98	

EXPANDED COOLING DATA — GSH130601A* / 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	3.84	3.92	4.03	-	4.12	4.20	4.32	-	4.36	4.45	4.58	-	4.57	4.67	4.81	-	4.75	4.85	5.00	-	4.91	5.01	5.17	-
	Amps	13.8	14.1	14.6	-	14.9	15.2	15.7	-	16.2	16.6	17.1	-	17.3	17.7	18.3	-	18.4	18.8	19.5	-	19.5	20.0	20.6	-
	Hi PR	140	151	159	-	157	169	179	-	179	193	204	-	204	220	232	-	229	247	261	-	254	273	288	-
	Lo PR	59	63	68	-	62	66	72	-	65	69	75	-	68	72	79	-	71	76	82	-	73	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	0.69	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	3.81	3.89	4.00	-	4.09	4.17	4.29	-	4.32	4.41	4.55	-	4.54	4.63	4.77	-	4.72	4.81	4.96	-	4.87	4.97	5.13	-
1800	Amps	13.7	14.0	14.4	-	14.8	15.1	15.6	-	16.0	16.4	17.0	-	17.1	17.5	18.1	-	18.2	18.7	19.3	-	19.3	19.8	20.5	-
	Hi PR	139	150	158	-	156	168	177	-	177	191	202	-	202	217	230	-	227	245	258	-	251	270	285	-
	Lo PR	58	62	68	-	61	65	71	-	64	68	74	-	67	71	78	-	70	75	82	-	73	77	84	-
	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	3.73	3.80	3.91	-	3.99	4.07	4.19	-	4.23	4.31	4.44	-	4.43	4.52	4.66	-	4.60	4.70	4.85	-	4.75	4.85	5.01	-
	Amps	13.3	13.6	14.0	-	14.4	14.7	15.2	-	15.6	16.0	16.5	-	16.7	17.1	17.6	-	17.7	18.2	18.8	-	18.8	19.2	19.9	-
	Hi PR	135	145	153	-	151	163	172	-	172	185	195	-	196	211	223	-	220	237	250	-	244	262	277	-
	Lo PR	56	60	66	-	60	63	69	-	62	66	72	-	65	69	76	-	68	73	79	-	71	75	82	-

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	3.87	3.95	4.06	4.18	4.15	4.23	4.36	4.49	4.39	4.48	4.62	4.76	4.61	4.70	4.85	5.00	4.79	4.89	5.04	5.21	4.95	5.05	5.21	5.38
	Amps	13.9	14.2	14.7	15.2	15.0	15.4	15.9	16.5	16.3	16.7	17.3	17.9	17.4	17.9	18.5	19.2	18.6	19.0	19.7	20.4	19.7	20.2	20.8	21.6
	Hi PR	142	153	161	168	159	171	181	189	181	195	206	214	206	222	234	244	232	249	263	275	256	276	291	304
	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	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	3.84	3.92	4.03	4.15	4.12	4.20	4.32	4.46	4.36	4.45	4.58	4.73	4.57	4.67	4.81	4.96	4.75	4.85	5.00	5.16	4.91	5.01	5.17	5.34
1800	Amps	13.8	14.1	14.6	15.1	14.9	15.2	15.7	16.3	16.2	16.6	17.1	17.8	17.3	17.7	18.3	19.0	18.4	18.8	19.5	20.2	19.5	20.0	20.6	21.4
	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	59	63	68	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	82	88	73	78	85	91
	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	3.76	3.83	3.94	4.06	4.02	4.10	4.23	4.35	4.26	4.34	4.48	4.61	4.46	4.56	4.70	4.84	4.64	4.74	4.88	5.04	4.79	4.89	5.05	5.21
	Amps	13.4	13.7	14.2	14.7	14.5	14.8	15.3	15.9	15.7	16.1	16.6	17.3	16.8	17.2	17.8	18.5	17.9	18.3	18.9	19.7	19.0	19.4	20.1	20.8
	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	57	61	66	71	60	64	70	74	63	67	73	77	66	70	76	81	69	73	80	85	71	76	83	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 — GSH130601A* / ARUF61-00*-1* / ARUF48601A* (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	56.3	57.5	61.5	65.7	55.0	56.2	60.0	64.2	53.7	54.8	58.6	62.6	52.4	53.5	57.2	61.1	49.7	50.8	54.3	58.1	46.1	47.1	50.3	53.8	46.1	47.1	50.3	53.8
	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	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	21	21	18	14
	kW	3.90	3.98	4.09	4.22	4.18	4.26	4.39	4.53	4.43	4.52	4.66	4.80	4.64	4.74	4.89	5.04	4.83	4.93	5.09	5.25	4.99	5.09	5.26	5.43	4.99	5.09	5.26	5.43
	Amps	14.0	14.4	14.8	15.4	15.2	15.5	16.0	16.6	16.5	16.9	17.4	18.1	17.6	18.0	18.6	19.3	18.7	19.2	19.8	20.6	19.9	20.3	21.0	21.8	19.9	20.3	21.0	21.8
	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	60	64	70	74	63	67	74	78	66	70	76	81	69	74	80	86	72	77	84	90	75	80	87	93	75	80	87	93
	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	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	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	23	22	19	15
kW	3.87	3.95	4.06	4.19	4.15	4.23	4.36	4.49	4.39	4.48	4.62	4.76	4.61	4.70	4.85	5.00	4.79	4.89	5.04	5.21	4.95	5.05	5.21	5.38	4.95	5.05	5.21	5.38	
Amps	13.9	14.2	14.7	15.2	15.0	15.4	15.9	16.5	16.3	16.7	17.3	17.9	17.4	17.9	18.5	19.2	18.6	19.0	19.7	20.4	19.7	20.2	20.8	21.6	19.7	20.2	20.8	21.6	
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	256	276	291	304	
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	74	79	86	92	
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	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	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	23	22	19	15
	kW	3.79	3.86	3.97	4.09	4.05	4.13	4.26	4.39	4.29	4.38	4.51	4.65	4.50	4.59	4.73	4.88	4.68	4.78	4.92	5.08	4.83	4.93	5.09	5.25	4.83	4.93	5.09	5.25
	Amps	13.5	13.8	14.3	14.8	14.6	15.0	15.5	16.0	15.9	16.3	16.8	17.4	17.0	17.4	18.0	18.6	18.1	18.5	19.1	19.8	19.1	19.6	20.3	21.0	19.1	19.6	20.3	21.0
	Hi PR	138	148	156	163	154	166	175	183	176	189	199	208	200	215	227	237	225	242	256	267	248	267	282	295	248	267	282	295
	Lo PR	58	61	67	71	61	65	71	75	63	67	73	78	66	71	77	82	70	74	81	86	72	77	84	89	72	77	84	89

2025	MBh	57.3	58.4	61.1	65.2	55.9	57.0	59.7	63.7	54.6	55.7	58.3	62.2	53.3	54.3	56.9	60.7	50.6	51.6	54.0	57.6	46.9	47.8	50.1	53.4	
	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	3.93	4.01	4.12	4.25	4.21	4.30	4.43	4.56	4.46	4.55	4.69	4.84	4.68	4.78	4.93	5.08	4.87	4.97	5.13	5.29	5.03	5.14	5.30	5.47	
	Amps	14.2	14.5	15.0	15.5	15.3	15.7	16.2	16.8	16.6	17.0	17.6	18.3	17.8	18.2	18.8	19.5	18.9	19.4	20.0	20.8	20.0	20.5	21.2	22.0	
	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	61	64	70	75	64	68	74	79	66	71	77	82	70	74	81	86	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	0.90	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	
	kW	3.90	3.98	4.09	4.22	4.18	4.26	4.39	4.53	4.43	4.52	4.66	4.80	4.64	4.74	4.89	5.04	4.83	4.93	5.09	5.25	4.99	5.09	5.26	5.43	
Amps	14.0	14.4	14.8	15.4	15.2	15.5	16.0	16.6	16.5	16.9	17.4	18.1	17.6	18.0	18.6	19.3	18.7	19.2	19.8	20.6	19.9	20.3	21.0	21.8		
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	60	64	70	74	63	67	74	78	66	70	76	81	69	74	80	86	72	77	84	90	75	80	87	93		
1575	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	3.81	3.89	4.00	4.12	4.08	4.17	4.29	4.42	4.32	4.41	4.55	4.69	4.53	4.63	4.77	4.92	4.71	4.81	4.96	5.12	4.87	4.97	5.13	5.29	
	Amps	13.6	14.0	14.4	15.0	14.7	15.1	15.6	16.2	16.0	16.4	17.0	17.6	17.1	17.5	18.1	18.8	18.2	18.7	19.3	20.0	19.3	19.8	20.4	21.2	
	Hi PR	139	149	158	165	156	168	177	185	177	191	201	210	202	217	229	239	227	244	258	269	251	270	285	297	
	Lo PR	58	62	68	72	61	65	71	76	64	68	74	79	67	71	78	83	70	75	82	87	73	77	84	90	
	85	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	3.81	3.89	4.00	4.12	4.08	4.17	4.29	4.42	4.32	4.41	4.55	4.69	4.53	4.63	4.77	4.92	4.71	4.81	4.96	5.12	4.87	4.97	5.13	5.29
Amps		13.6	14.0	14.4	15.0	14.7	15.1	15.6	16.2	16.0	16.4	17.0	17.6	17.1	17.5	18.1	18.8	18.2	18.7	19.3	20.0	19.3	19.8	20.4	21.2	
Hi PR		139	149	158	165	156	168	177	185	177	191	201	210	202	217	229	239	227	244	258	269	251	270	285	297	
Lo PR		58	62	68	72	61	65	71	76	64	68	74	79	67	71	78	83	70	75	82	87	73	77	84	90	

EXPANDED HEATING DATA

GSH130181** / AR*F182416**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	21.1	20.0	18.8	17.6	16.8	16.3	15.1	13.9	10.8	10.0	9.2	8.7	8.4	7.5	6.7	5.8	5.0	4.1
ΔT	30.1	28.5	26.8	25.1	23.9	23.2	21.5	19.9	15.4	14.3	13.1	12.4	11.9	10.7	9.5	8.3	7.1	5.8
kW	1.55	1.53	1.50	1.47	1.45	1.44	1.41	1.38	1.36	1.33	1.30	1.28	1.27	1.24	1.21	1.18	1.15	1.12
Amps	7.2	6.7	6.3	5.9	5.7	5.6	5.3	5.0	4.8	4.6	4.4	4.3	4.2	4.0	3.7	3.5	3.3	3.0
COP	3.98	3.84	3.68	3.51	3.39	3.31	3.14	2.96	2.34	2.21	2.08	1.99	1.93	1.78	1.61	1.44	1.26	1.06
EER	13.6	13.1	12.6	12.0	11.6	11.3	10.7	10.1	8.0	7.5	7.1	6.8	6.6	6.1	5.5	4.9	4.3	3.6
Hi PR	252	242	232	222	217	213	205	196	188	180	173	168	165	159	153	147	141	136
Lo PR	82	76	72	66	62	60	55	49	44	39	35	32	31	26	23	19	17	13

GSH130241** / AR*F182416**

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	27.7	26.2	24.6	23.0	22.0	21.3	19.8	18.3	15.0	13.8	12.7	12.0	11.6	10.4	9.2	8.0	6.8	5.6
ΔT	30.1	28.5	26.8	25.1	24.0	23.2	21.6	19.9	16.3	15.0	13.8	13.1	12.6	11.3	10.0	8.7	7.5	6.1
kW	1.99	1.95	1.91	1.87	1.85	1.84	1.80	1.76	1.70	1.66	1.62	1.60	1.59	1.55	1.51	1.48	1.44	1.40
Amps	9.0	8.3	7.8	7.3	7.1	6.9	6.5	6.2	5.9	5.7	5.4	5.3	5.2	4.9	4.6	4.3	4.0	3.6
COP	4.07	3.93	3.77	3.60	3.47	3.40	3.22	3.03	2.58	2.44	2.29	2.19	2.13	1.96	1.78	1.59	1.39	1.17
EER	13.9	13.4	12.9	12.3	11.9	11.6	11.0	10.4	8.8	8.3	7.8	7.5	7.3	6.7	6.1	5.4	4.8	4.0
Hi PR	238	228	220	210	205	201	193	186	178	170	163	159	156	150	145	139	134	129
Lo PR	80	74	69	63	60	58	53	47	43	38	33	31	30	25	22	18	16	13

GSH130301** / ARUF42-00*-01* / ARUF30301A*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	33.7	31.9	30.0	28.1	26.8	26.0	24.1	22.2	17.4	16.1	14.8	14.0	13.5	12.1	10.7	9.4	8.0	6.5
ΔT	29.7	28.1	26.5	24.7	23.6	22.9	21.3	19.6	15.4	14.2	13.1	12.3	11.9	10.7	9.5	8.2	7.0	5.8
kW	2.41	2.36	2.32	2.27	2.24	2.22	2.18	2.13	2.08	2.04	1.99	1.96	1.95	1.90	1.85	1.81	1.76	1.72
Amps	11.1	10.3	9.6	9.1	8.7	8.6	8.1	7.7	7.3	7.0	6.7	6.5	6.4	6.1	5.7	5.3	4.9	4.4
COP	4.09	3.95	3.79	3.62	3.50	3.42	3.24	3.05	2.45	2.31	2.18	2.09	2.03	1.86	1.69	1.51	1.32	1.11
EER	14.0	13.5	13.0	12.4	11.9	11.7	11.1	10.4	8.4	7.9	7.4	7.1	6.9	6.4	5.8	5.2	4.5	3.8
Hi PR	234	224	216	206	202	198	190	182	175	167	160	156	154	148	142	136	131	127
Lo PR	76	70	66	61	57	55	51	45	41	36	32	30	29	24	21	18	15	12

GSH130361** / ARUF49-00*-1* / ARUF36421A*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
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	2.90	2.84	2.79	2.73	2.70	2.68	2.63	2.58	2.42	2.37	2.32	2.29	2.27	2.22	2.17	2.12	2.07	2.02
Amps	13.0	12.1	11.3	10.7	10.3	10.1	9.5	9.1	8.7	8.3	7.9	7.7	7.6	7.3	6.8	6.4	5.9	5.4
COP	4.07	3.92	3.76	3.59	3.46	3.39	3.21	3.02	2.41	2.27	2.14	2.05	1.99	1.82	1.65	1.48	1.29	1.08
EER	13.9	13.4	12.9	12.3	11.8	11.6	11.0	10.3	8.2	7.8	7.3	7.0	6.8	6.2	5.7	5.0	4.4	3.7
Hi PR	230	221	212	203	198	194	187	179	172	164	158	154	151	145	140	134	129	125
Lo PR	80	74	70	64	60	58	54	48	43	38	34	31	30	26	22	19	16	13

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

EXPANDED HEATING DATA (CONT.)

GSH130421A* / ARUF49-00*-1* / ARUF36421A*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	49.0	46.4	43.7	40.8	39.0	37.8	35.1	32.4	28.7	26.5	24.4	23.0	22.1	19.9	17.6	15.4	13.1	10.7
ΔT	30.3	28.6	27.0	25.2	24.1	23.3	21.7	20.0	17.7	16.3	15.0	14.2	13.7	12.3	10.9	9.5	8.1	6.6
kW	3.59	3.52	3.46	3.39	3.35	3.32	3.26	3.19	3.08	3.01	2.95	2.91	2.88	2.82	2.75	2.69	2.62	2.56
Amps	16.7	15.5	14.5	13.6	13.1	12.9	12.1	11.5	11.0	10.5	10.0	9.8	9.7	9.2	8.6	8.1	7.4	6.7
COP	4.00	3.86	3.70	3.53	3.41	3.33	3.15	2.97	2.72	2.57	2.42	2.31	2.25	2.06	1.87	1.67	1.46	1.23
EER	13.7	13.2	12.6	12.1	11.6	11.4	10.8	10.1	9.3	8.8	8.3	7.9	7.7	7.1	6.4	5.7	5.0	4.2
Hi PR	237	227	218	209	204	200	192	184	177	169	162	158	155	149	144	138	133	128
Lo PR	75	70	65	60	57	54	50	45	40	36	32	29	28	24	21	17	15	12

GSH130481A* / ARUF61-00*-1* / ARUF48601A*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
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	3.84	3.77	3.70	3.63	3.59	3.56	3.49	3.42	3.34	3.27	3.20	3.16	3.13	3.06	3.00	2.93	2.86	2.79
Amps	18.1	16.8	15.7	14.8	14.3	14.0	13.2	12.5	12.0	11.5	10.9	10.7	10.5	10.0	9.3	8.8	8.1	7.3
COP	4.12	3.98	3.81	3.63	3.51	3.43	3.24	3.05	2.95	2.78	2.62	2.50	2.43	2.23	2.02	1.80	1.58	1.32
EER	14.1	13.6	13.0	12.4	12.0	11.7	11.1	10.4	10.1	9.5	8.9	8.5	8.3	7.6	6.9	6.2	5.4	4.5
Hi PR	224	215	207	198	193	189	182	175	167	160	154	150	147	142	136	131	126	121
Lo PR	74	69	64	59	56	54	49	44	40	35	31	29	28	24	20	17	15	12

GSH130601A* / ARUF61-00*-1* / ARUF48601A*

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
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	5.04	4.95	4.85	4.75	4.70	4.66	4.57	4.47	4.30	4.21	4.11	4.06	4.02	3.93	3.84	3.75	3.65	3.56
Amps	22.7	21.0	19.6	18.4	17.8	17.4	16.4	15.6	14.9	14.2	13.5	13.2	13.0	12.4	11.5	10.8	10.0	9.0
COP	4.05	3.91	3.75	3.58	3.46	3.38	3.20	3.02	2.97	2.80	2.64	2.52	2.45	2.25	2.05	1.83	1.60	1.34
EER	13.8	13.4	12.8	12.2	11.8	11.5	10.9	10.3	10.1	9.6	9.0	8.6	8.4	7.7	7.0	6.2	5.5	4.6
Hi PR	255	244	235	225	219	215	207	198	190	182	174	170	167	161	155	148	143	138
Lo PR	75	70	65	60	57	54	50	45	40	36	32	29	28	24	21	17	15	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

PERFORMANCE RATINGS

OUTDOOR UNIT	INDOOR UNITS		COOLING CAPACITY (BTU/H)				TVA RATINGS ³		HEATING CAPACITY (BTU/H)		
	COILS & AIR HANDLERS	FURNACE/ BLOWER	TOTAL	SENS.	SEER ¹	EER ²	TOTAL	SENS.	HIGH	HSPF ⁴	LOW
GSH130181C*	AR*F182416B*		18,000	13,100	13.0	11.5	16,700	13,000	16,800	7.7	8,600
GSH130241C*	AR*F182416B*+TXV		23,000	17,000	13.0	11.5	21,300	16,800	22,000	7.7	12,000
GSH130301*	AR*F303016B*		28,000	21,000	13.0	11.2	25,900	20,700	26,800	7.8	14,000
GSH130361C*	AR*F364216B*		35,000	26,600	13.0	11.2	32,400	26,200	32,000	7.7	19,400
GSH130421A*	AR*F364216B*		40,000	30,400	13.0	11.5	37,000	30,000	39,000	8.0	23,000
GSH130481A*	AR*F486016B*		45,000	34,200	13.0	11.5	41,600	33,700	43,000	8.2	27,000
GSH130601A*	AR*F486016B*		55,500	40,000	13.0	11.5	51,300	39,500	55,500	8.5	35,000

¹ Seasonal Energy Efficiency Ratio; tested and rated per AHRI 210/240

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

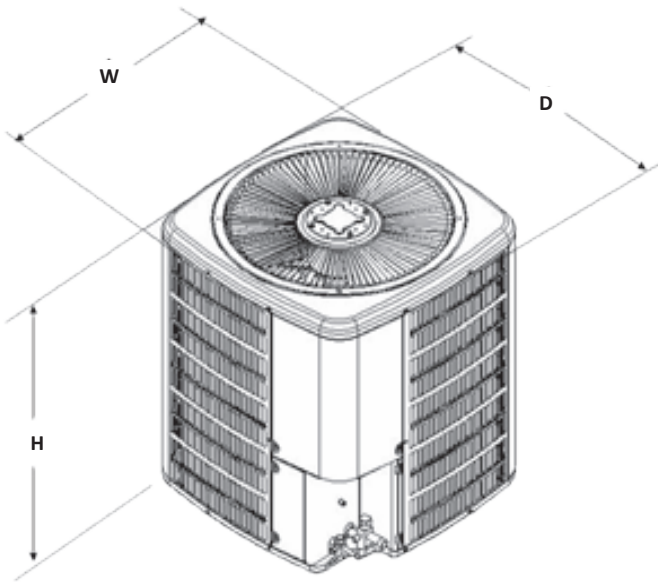
³ TVA Rating: BTU/h @ 75°F/ 63°F - 95°F

⁴ HSPF = Heating Seasonal Performance Factor

NOTES

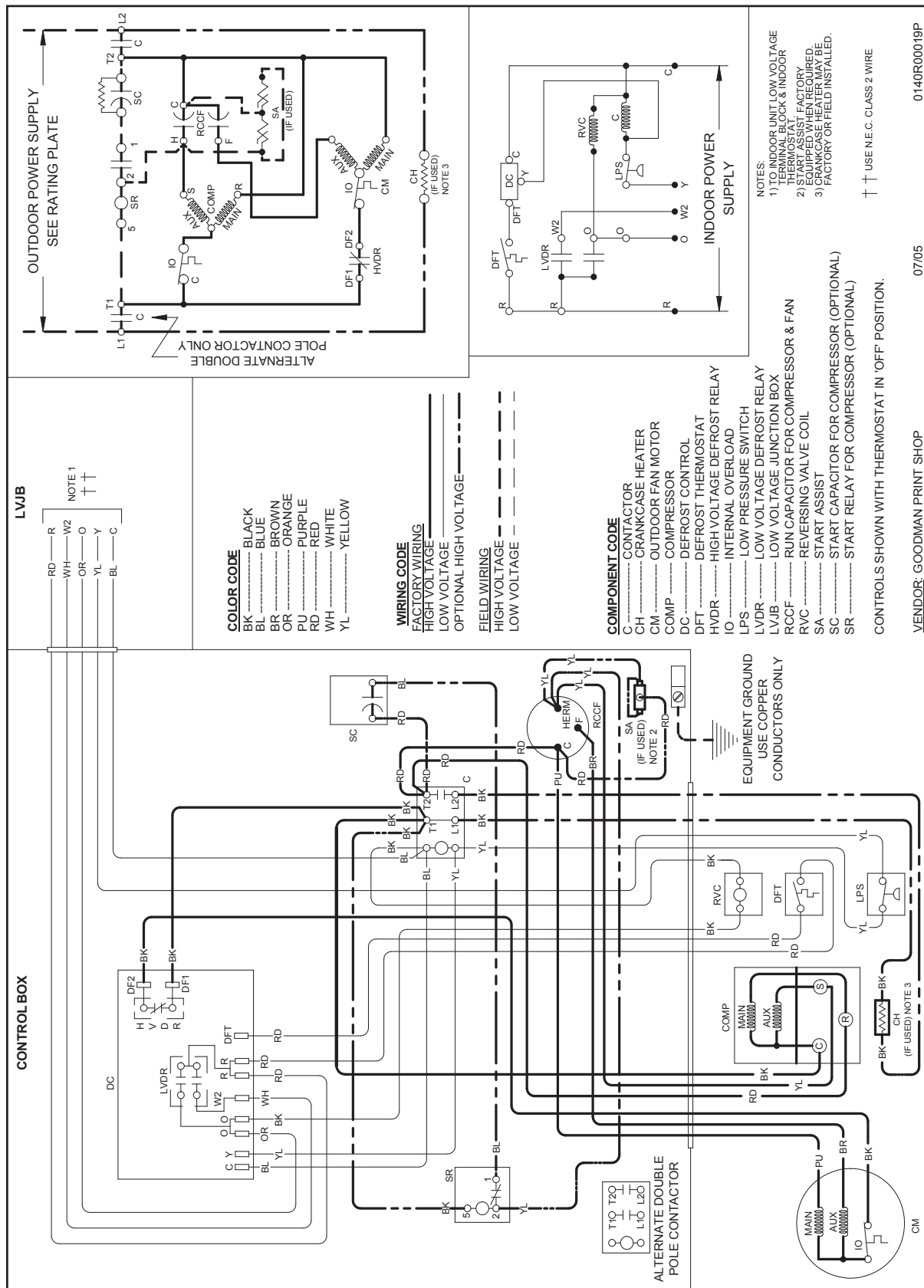
- Always check the S&R plate for electrical data on the unit being installed.
- When matching outdoor unit to indoor unit, use the piston supplied with the outdoor unit or that specified on the piston kit chart supplied with the indoor unit.
- EEP - Order from Service Dept. Part No. B13707-38 or new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

DIMENSIONS



MODEL	DIMENSIONS		
	W"	D"	H"
GSH130181C	26	26	32½
GSH130241C	26	26	32½
GSH130301C	29	29	34¾
GSH130361C	29	29	38¾
GSH130421A	29	29	32½
GSH130481A	29	29	34¾
GSH130601A	35½	35½	34¾

WIRING DIAGRAM



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



WARNING

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

ACCESSORIES

MODEL	DESCRIPTION	GSH13 018	GSH13 024	GSH13 030	GSH13 036	GSH13 042	GSH13 048	GSH13 060
ABK-20	Anchor Bracket Kit *	X	X	X	X	X	X	X
ASC01	Anti-Short Cycle Kit	X	X	X	X	X	X	X
CSR-U-1	Hard-start Kit	X	X	X	X			
CSR-U-2	Hard-start Kit				X	X	X	X
CSR-U-3	Hard-start Kit						X	X
FSK01A ¹	Freeze Protection Kit	X	X	X	X	X	X	X
OT/EHR18-60	Emergency Heat Relay kit	X	X	X	X	X	X	X
OT18-60A ²	Outdoor Thermostat with Lockout Stat	X	X	X	X	X	X	X

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

¹ Installed on indoor coil

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

³ 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. The TXV should always be sized based on the tonnage of the outdoor unit.

NOTES

