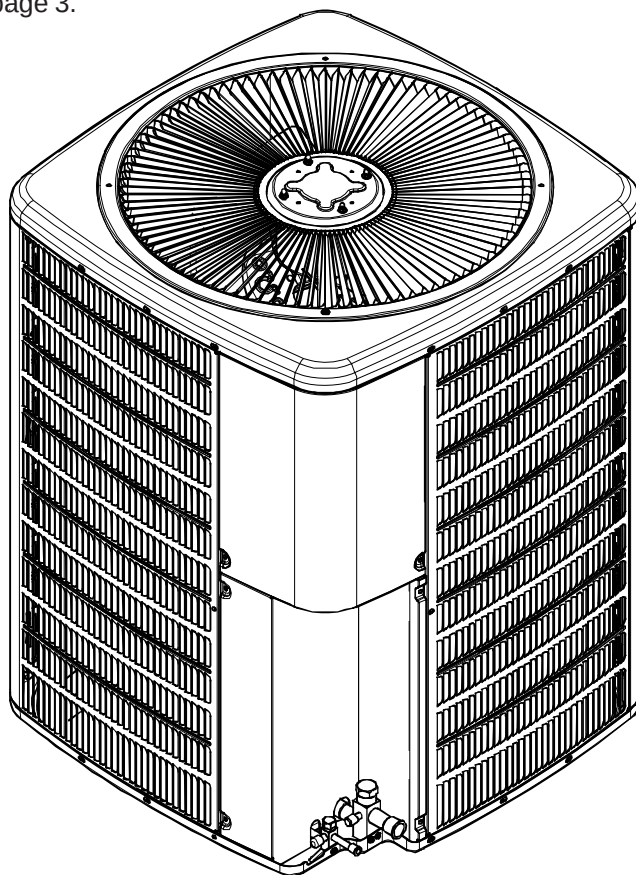




TECHNICAL MANUAL

GSC10 SEER Condensing Units (Shipped Without Refrigerant Charge)

- Refer to Service Manual RS6100004 for installation, operation, and troubleshooting information.
- All safety information must be followed as provided in the Service Manual.
- Refer to the appropriate Parts Catalog for part number information.
- Models listed on page 3.

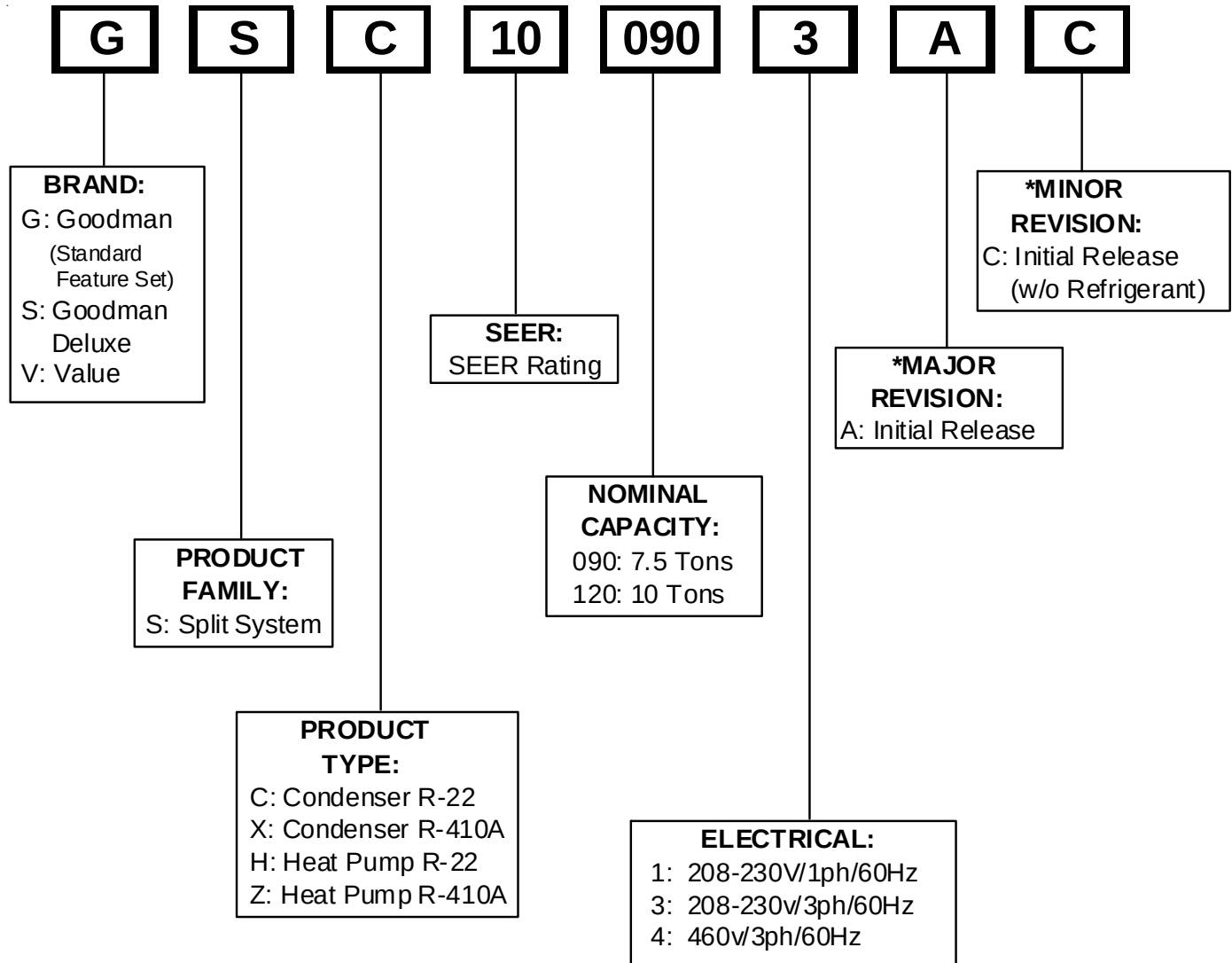


This manual is to be used by qualified, professionally trained HVAC technicians only. Goodman does not assume any responsibility for property damage or personal injury due to improper service procedures or services performed by an unqualified person.

RT6111011r6
August 2014

PRODUCT IDENTIFICATION

The model number is used for positive identification of component parts used in manufacturing. Please use this number when requesting service or parts information.



**Specific models without refrigerant charge (with their major & minor revision levels) are listed on the following page.*



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.



WARNING

Goodman will not be responsible for any injury or property damage arising from improper service or service procedures. If you install or perform service on this unit, you assume responsibility for any personal injury or property damage which may result. Many jurisdictions require a license to install or service heating and air conditioning equipment.



WARNING

Installation and repair of this unit should be performed ONLY by individuals meeting (at a minimum) the requirements of an "entry level technician" as specified by the Air-Conditioning, Heating, and Refrigeration Institute (AHRI). Attempting to install or repair this unit without such background may result in product damage, personal injury or death.

PRODUCT IDENTIFICATION

The model number is used for positive identification of component parts used in manufacturing. Please use this number when requesting service or parts information.

GSC100903A*

GSC101203B*

GSC100904A*

GSC101204B*

** Indicates minor revision & is not used for order entry or inventory management*



The United States Environmental Protection Agency ("EPA") has issued various regulations regarding the introduction and disposal of refrigerants introduced into this unit. Failure to follow these regulations may harm the environment and can lead to the imposition of substantial fines. These regulations may vary by jurisdiction. Should questions arise, contact your local EPA office.



Do not connect or use any device that is not design certified by Goodman for use with this unit. Serious property damage, personal injury, reduced unit performance and/or hazardous conditions may result from the use of such non-approved devices.



To prevent the risk of property damage, personal injury, or death, do not store combustible materials or use gasoline or other flammable liquids or vapors in the vicinity of this appliance.

PRODUCT DESIGN

The GSC10 units are shipped with a nitrogen holding charge only and are available in 7-1/2 ton and 10 ton, 208/230v 3 phase and 460v 3 phase.

The starting charge for the 7-1/2 ton unit should be 15 lbs. of R-22 and 18 lbs. for the 10 ton unit. The length of line set, indoor unit airflow, condensing unit location and number of tubing fittings will have an impact on final unit charge amount. Turn the electrical power on, and let the system run. Wait for the refrigerant pressures to stabilize. At stabilized cooling conditions and with an outdoor temperature of 60°F or higher, the system should have from 9°F to 13°F subcooling.

The condenser air is pulled through the condenser coil by a direct drive propeller fan. This condenser air is then discharged out of the top of the cabinet.

These units are designed for free air discharge, so no additional resistance like duct work shall be attached.

The suction and liquid line connections on present models are of the sweat type for field piping with refrigerant type copper. Back seating valves are factory installed to accept the field run copper.

Systems should be properly sized by heat gain and loss calculations made according to methods of the Air Conditioning Contractors Association (ACCA) or equivalent. It is the contractors responsibility to ensure the system has adequate capacity to heat or cool the conditioned space.

Some GSC condensing units use Copeland Compliant® Scroll compressors. There are a number of design characteristics which are different from the scroll compared to the traditional reciprocating compressor.

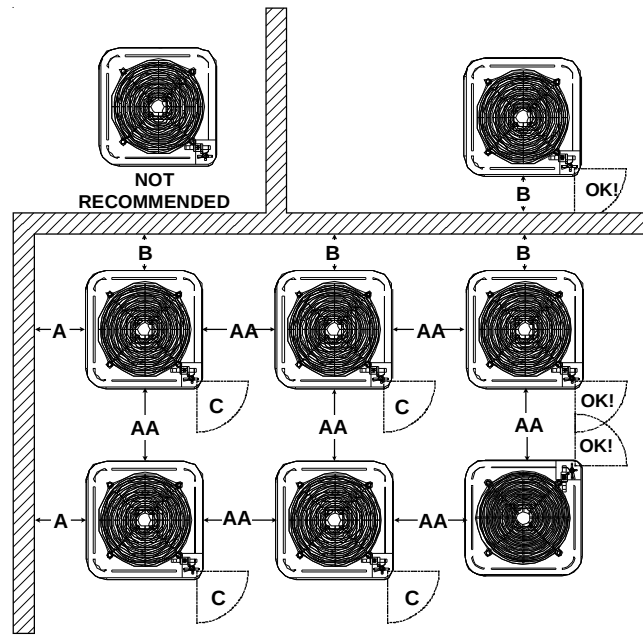
Due to their design Scroll compressors are inherently more tolerant of liquid refrigerant.

NOTE: Even though the compressor section of a Scroll compressor is more tolerant of liquid refrigerant, continued flood-back or flooded start conditions may wash oil from the bearing surfaces causing premature bearing failure.

Copeland Scroll compressors use "POE" or polyolester oil which is NOT compatible with mineral based lubricants like 3GS. "POE" oil must be used if additional oil is required.

The GSC condensers use new generation scroll compressors. The scroll compressors have an internal equalization mechanism and an anti-counter rotation device which allow the scrolls to equalize in approximately ½ second at shut down.

Operating pressures, amp draws and minimum circuit ampacity may differ from standard reciprocating compressors. This information may be found in the "Cooling Performance Data" section and should be reviewed prior to installation of the condenser.



Minimum Airflow Clearances				
Model Type	A	B	C	AA
Light Commercial	12"	12"	18"	24"

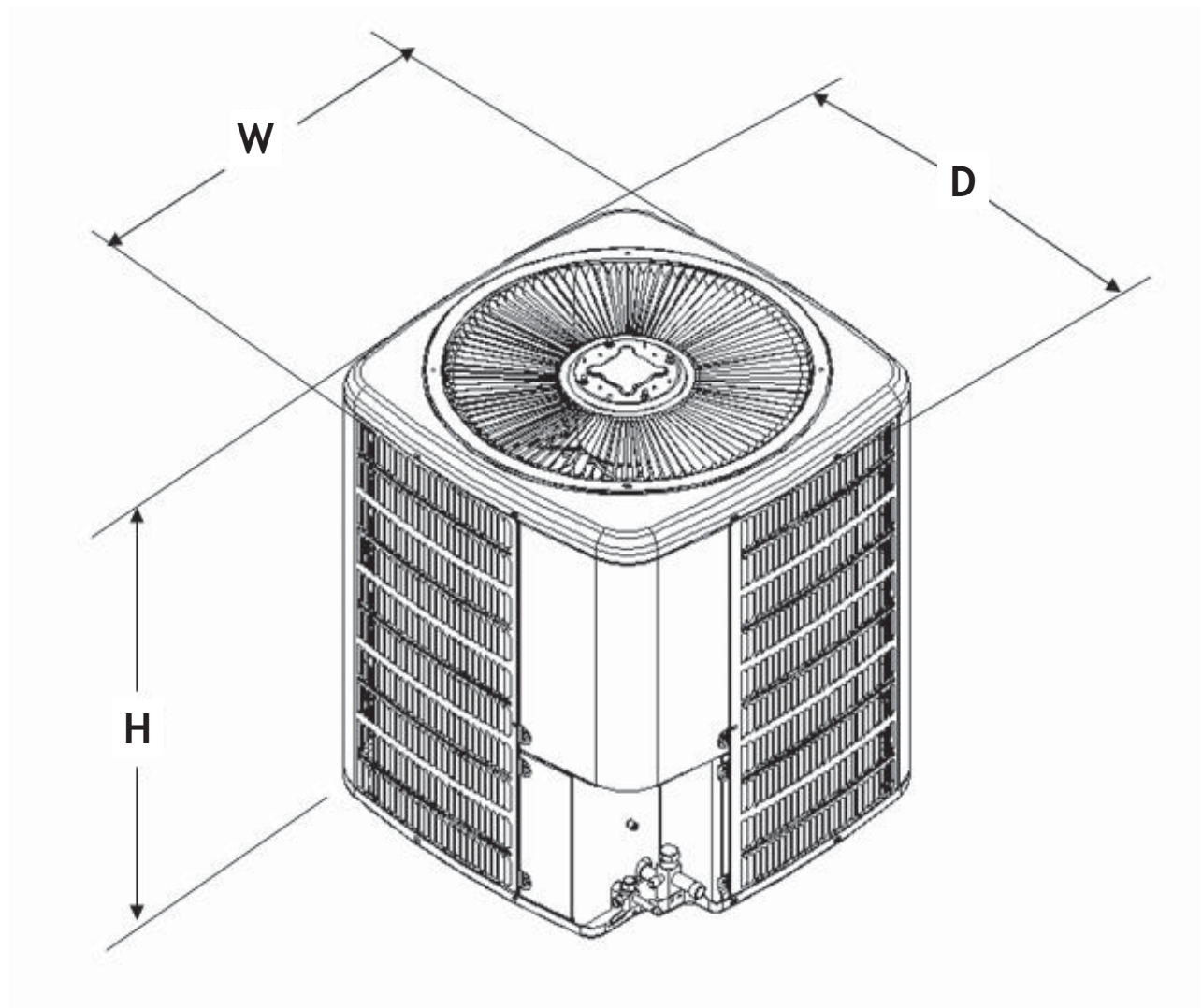
Special consideration must be given to location of the condensing unit(s) in regard to structures, obstructions, other units, and any/all other factors that may interfere with air circulation. Where possible, the top of the unit should be completely unobstructed; however, if vertical conditions require placement beneath an obstruction **there should be a minimum of 60 inches between the top of the unit and the obstruction(s)**. The specified dimensions meet requirements for air circulation only. Consult all appropriate regulatory codes prior to determining final clearances.

Another important consideration in selecting a location for the unit(s) is the angle to obstructions. Either side adjacent the valves can be placed toward the structure provided the side away from the structure maintains minimum service clearance. Corner installations are strongly discouraged.

DO **NOT** locate the unit:

- Directly under a vent termination for a gas appliance.
- Within 3 feet of a clothes dryer vent.
- Where the refreezing of defrost water would create a hazard.
- Where water may rise into the unit.

Dimensions



Model	Dimensions - W x D x H
GSC100903A*	35½ x 35½ x 41½
GSC101203B*	35½ x 35½ x 41½
GSC100904A*	35½ x 35½ x 41½
GSC101203B*	35½ x 35½ x 41½

CONDENSING UNIT SPECIFICATIONS

GSC10***[3/4]**

	GSC100903A*	GSC101203B*	GSC100904AC/AD	GSC101204B*
Cooling Capacity, BTUH	87,000	109,000	87,000	109,000
Compressor				
R.L. Amps	25.6	30.1	12.6	15.5
L.R. Amps	196	225	100	114
Loss of Charge Pressure Switch				
Open / Close	7 PSIG/25 PSIG	7 PSIG/25 PSIG	7 PSIG/25 PSIG	7 PSIG/25 PSIG
Condenser Fan Motor				
Horsepower	1	1	1	1
F.L. Amps	5.6	5.6	3.5	3.5
Liquid Line, Inches O.D.	5/8"	5/8"	5/8"	5/8"
Suction Line, Inches O.D.	1 1/8"	1 1/8"	1 1/8"	1 1/8"
Refrigerant Charge	35	35	35	35
Power Supply	208/230-60-3	208/230-60-3	460-60-3	460-60-3
Minimum Circuit Ampacity ⁽¹⁾	37.6	43.2	19.5	22.9
Maximum Overcurrent Device ⁽²⁾	60	70	30	30
Electrical Conduit Size				
Power Supply (Inches)	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4	1/2 or 3/4
Approximate Shipping Weight	315	358	315	358

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

⁽²⁾ Maximum Overcurrent Protection Device:

MUST use Time Delay Fuse or HACR type Circuit Breaker of the same size as noted.

⁽³⁾ Installer will need to supply 3/4" to 7/8" adapters for suction line connectors

⁽⁴⁾ Installer will need to supply 7/8" to 1-1/8" adapters for suction line connections.

NOTE: This data is provided as a guide, it is important to electrically connect the unit and properly size fuses/circuit breakers and wires in accordance with all national and/or local electrical codes. Use copper wire only.

COOLING PERFORMANCE DATA

GSC100903A*

EXPANDED PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: GSC100903 / AR090

COOLING OPERATION

IDB* Airflow		Outdoor Ambient Temperature															115														
		75															105														
		85															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				
70	MBh	76396.4	79182.9	86755.2	-	74619.7	77341.4	84737.6	-	72843.0	75500.0	82720.1	-	71066.4	73668.5	80702.5	-	67513.1	69975.6	76667.4	-	62538.4	64819.5	71018.2	-						
	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	-						
	Delta T	18018	15596	11838	-	18238	15787	11982	-	18257	15803	11995	-	18386	15914	12079	-	18128	15692	11910	-	16933	14657	11125	-						
	KW	6.57	6.70	6.90	-	7.04	7.19	7.40	-	7.46	7.62	7.85	-	7.83	8.00	8.25	-	8.15	8.32	8.58	-	8.42	8.60	8.87	-						
	AMPS	20.6	21.0	21.6	-	22.1	22.5	23.2	-	23.7	24.3	25.0	-	25.2	25.8	26.5	-	26.7	27.3	28.1	-	28.1	28.7	29.6	-						
	HI PR	155	167	177	-	174	188	198	-	198	213	225	-	226	243	257	-	254	273	289	-	281	302	319	-						
	LO PR	58	62	68	-	61	65	71	-	64	68	74	-	67	71	78	-	70	75	82	-	73	77	84	-						
	MBh	82769.6	85788.6	93992.6	-	80844.8	83793.5	91806.8	-	78919.9	81798.4	89620.9	-	76995.0	79803.4	87435.0	-	73145.3	75813.2	83063.3	-	67755.6	70227.0	76942.8	-						
	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	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-						
	Delta T	16377	14176	10759	-	16577	14349	10891	-	16594	14364	10902	-	16711	14465	10979	-	16477	14262	10825	-	15391	13322	10112	-						
3245	KW	6.72	6.85	7.06	-	7.21	7.36	7.58	-	7.64	7.80	8.04	-	8.02	8.19	8.45	-	8.35	8.53	8.80	-	8.63	8.81	9.10	-						
	AMPS	21.1	21.5	22.2	-	22.6	23.1	23.8	-	24.3	24.9	25.6	-	25.9	26.4	27.2	-	27.4	28.0	28.8	-	28.9	29.5	30.4	-						
	HI PR	160	172	182	-	180	193	204	-	204	220	232	-	233	250	265	-	262	282	298	-	289	311	329	-						
	LO PR	60	64	70	-	63	67	74	-	66	70	77	-	69	74	80	-	73	77	84	-	75	80	87	-						
	MBh	82769.6	85788.6	93992.6	-	80844.8	83793.5	91806.8	-	78919.9	81798.4	89620.9	-	76995.0	79803.4	87435.0	-	73145.3	75813.2	83063.3	-	67755.6	70227.0	76942.8	-						
	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	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-						
	Delta T	15746	13630	10345	-	15939	13796	10472	-	15955	13810	10482	-	16067	13908	10556	-	15842	13713	10408	-	14798	12809	9722	-						
	KW	6.72	6.85	7.06	-	7.21	7.36	7.58	-	7.64	7.80	8.04	-	8.02	8.19	8.45	-	8.35	8.53	8.80	-	8.63	8.81	9.10	-						
	AMPS	21.1	21.5	22.2	-	22.6	23.1	23.8	-	24.3	24.9	25.6	-	25.9	26.4	27.2	-	27.4	28.0	28.8	-	28.9	29.5	30.4	-						
	HI PR	160	172	182	-	180	193	204	-	204	220	232	-	233	250	265	-	262	282	298	-	289	311	329	-						
LO PR	60	64	70	-	63	67	74	-	66	70	77	-	69	74	80	-	73	77	84	-	75	80	87	-							
3375	MBh	82769.6	85788.6	93992.6	-	80844.8	83793.5	91806.8	-	78919.9	81798.4	89620.9	-	76995.0	79803.4	87435.0	-	73145.3	75813.2	83063.3	-	67755.6	70227.0	76942.8	-						
	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	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-						
	Delta T	15746	13630	10345	-	15939	13796	10472	-	15955	13810	10482	-	16067	13908	10556	-	15842	13713	10408	-	14798	12809	9722	-						
	KW	6.72	6.85	7.06	-	7.21	7.36	7.58	-	7.64	7.80	8.04	-	8.02	8.19	8.45	-	8.35	8.53	8.80	-	8.63	8.81	9.10	-						
	AMPS	21.1	21.5	22.2	-	22.6	23.1	23.8	-	24.3	24.9	25.6	-	25.9	26.4	27.2	-	27.4	28.0	28.8	-	28.9	29.5	30.4	-						
	HI PR	160	172	182	-	180	193	204	-	204	220	232	-	233	250	265	-	262	282	298	-	289	311	329	-						
	LO PR	60	64	70	-	63	67	74	-	66	70	77	-	69	74	80	-	73	77	84	-	75	80	87	-						
	75	MBh	77691.2	79990.9	86582.5	92925.9	75884.4	78130.6	84569.0	90764.8	74077.7	76270.4	82555.5	88603.7	72270.9	74410.1	80541.9	86442.7	68657.4	70689.6	76514.8	82120.5	63598.4	65480.9	70876.9	76069.5					
		S/T	0.77	0.68	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	0.59	0.38					
		Delta T	20827	19180	15712	10849	21082	19415	15905	10982	21103	19435	15921	10993	21252	19572	16033	11071	20955	19298	15809	10916	19573	18026	14766	10196					
KW		6.62	6.75	6.95	7.16	7.10	7.24	7.46	7.70	7.52	7.68	7.92	8.17	7.90	8.06	8.31	8.58	8.21	8.39	8.65	8.93	8.49	8.67	8.95	9.24						
AMPS		20.8	21.2	21.8	22.5	22.2	22.7	23.4	24.2	23.9	24.5	25.2	26.1	25.4	26.0	26.8	27.7	26.9	27.5	28.3	29.3	28.4	29.0	29.9	30.9						
HI PR		157	169	178	186	176	189	200	209	200	216	228	237	228	245	259	270	257	276	292	304	284	305	322	336						
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						
MBh		84172.5	86664.0	93805.6	#####	82215.0	84648.6	91624.1	98336.7	80257.5	82633.1	89442.5	95995.4	78300.0	80617.7	87261.0	93654.0	74385.0	76586.8	82898.0	88971.3	68904.0	70943.6	76789.7	82415.5						
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	0.82	0.62	0.40						
Delta T		18201	16762	13731	9481	18424	16967	13899	9598	18442	16984	13913	9607	18572	17104	14011	9675	18312	16864	13815	9539	17105	15753	12904	8911						
3375	KW	6.77	6.91	7.11	7.33	7.27	7.42	7.64	7.88	7.70	7.86	8.11	8.37	8.09	8.26	8.52	8.80	8.42	8.60	8.87	9.16	8.70	8.89	9.17	9.47						
	AMPS	21.3	21.7	22.3	23.1	22.8	23.3	24.0	24.8	24.6	25.1	25.8	26.7	26.1	26.7	27.5	28.4	27.6	28.2	29.1	30.1	29.1	29.8	30.7	31.8						
	HI PR	162	174	184	192	182	195	206	215	206	222	235	245	235	253	267	279	265	285	301	314	292	315	332	346						
	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						
	MBh	84172.5	86664.0	93805.6	#####	82215.0	84648.6	91624.1	98336.7	80257.5	82633.1	89442.5	95995.4	78300.0	80617.7	87261.0	93654.0	74385.0	76586.8	82898.0	88971.3	68904.0	70943.6	76789.7	82415.5						
	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	0.82	0.62	0.40						
	Delta T	18201	16762	13731	9481	18424	16967	13899	9598	18442	16984	13913	9607	18572	17104	14011	9675	18312	16864	13815	9539	17105	15753	12904	8911						
	KW	6.77	6.91	7.11	7.33	7.27	7.42	7.64	7.88	7.70	7.86	8.11	8.37	8.09	8.26	8.52	8.80	8.42	8.60	8.87	9.16	8.70	8.89	9.17	9.47						
	AMPS	21.3	21.7	22.3	23.1	22.8	23.3	24.0	24.8	24.6	25.1	25.8	26.7	26.1	26.7	27.5	28.4	27.6	28.2	29.1	30.1	29.1	29.8	30.7	31.8						
	HI PR	162	174	184	192	182	195	206	215	206	222	235	245	235	253	267	279	265	285	301	314	292	315	332	346						
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							

COOLING PERFORMANCE DATA

GSC100903A*

EXPANDED PERFORMANCE DATA

MODEL: GSC100903 / AR090

COOLING OPERATION

IDB*	Airflow	Outdoor Ambient Temperature															105															115																																																											
		65															75															85															95															105															115														
		Entering Indoor Wet Bulb Temperature															75															85															95															105															115														
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																																																								
2625	MBh	79072.4	80798.9	86323.6	92279.9	77233.5	78919.8	84316.1	90133.9	75394.6	77040.8	82308.5	87987.8	73555.7	75161.7	80301.0	85841.8	69877.9	71403.6	76286.0	81549.7	64729.0	66142.3	70864.9	75540.8	69877.9	71403.6	76286.0	81549.7	64729.0	66142.3	70864.9	75540.8	69877.9	71403.6	76286.0	81549.7																																																						
	S/T	0.84	0.79	0.64	0.48	0.87	0.82	0.66	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	0.96	0.90	0.74	0.55	0.96	0.90	0.73	0.55	0.96	0.90	0.74	0.55	0.96	0.90	0.74	0.55																																																						
	Delta T	23249	22280	19374	15480	23534	22553	19611	15669	23557	22576	19631	15685	23723	22735	19769	15796	23391	22417	19493	15575	21849	20939	18208	14548	23391	22417	19493	15575	21849	20939	18208	14548	23391	22417	19493	15575																																																						
	KW	6.67	6.80	7.00	7.22	7.15	7.30	7.52	7.76	7.58	7.74	7.98	8.23	7.96	8.13	8.38	8.65	8.28	8.46	8.72	9.01	8.56	8.74	9.02	9.32	8.28	8.46	8.72	9.01	8.56	8.74	9.02	9.32	8.28	8.46	8.72	9.01																																																						
	AMPS	20.9	21.4	22.0	22.7	22.4	22.9	23.6	24.4	24.1	24.7	25.4	26.3	25.6	26.2	27.0	27.9	27.1	27.7	28.6	29.6	28.6	29.2	30.2	31.2	25.6	26.2	27.0	27.9	27.1	27.7	28.6	29.6	28.6	29.2	30.2	31.2																																																						
	HI PR	159	171	180	188	178	191	202	211	202	218	230	240	230	248	262	273	259	279	295	307	286	308	325	339	259	279	295	307	286	308	325	339	259	279	295	307																																																						
	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	68	73	80	85	72	76	83	89	74	79	86	92																																																						
	3245	MBh	85668.9	87539.4	93525.0	99978.2	83676.6	85503.6	91350.0	97653.2	81684.3	83467.8	89175.0	95328.1	79692.0	81432.0	87000.0	93003.0	75707.4	77360.4	82650.0	88352.9	70129.0	71660.2	76560.0	81842.6	75707.4	77360.4	82650.0	88352.9	70129.0	71660.2	76560.0	81842.6	75707.4	77360.4	82650.0	88352.9																																																					
S/T		0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.51	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.54	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57	0.99	0.93	0.76	0.57																																																						
Delta T		21131	20251	17609	14070	21390	20499	17825	14242	21412	20519	17843	14257	21563	20664	17969	14357	21261	20375	17717	14156	19859	19032	16549	13223	21563	20664	17969	14357	21261	20375	17717	14156	19859	19032	16549	13223																																																						
KW		6.82	6.96	7.17	7.39	7.32	7.47	7.70	7.94	7.76	7.93	8.17	8.43	8.15	8.33	8.59	8.87	8.48	8.67	8.94	9.23	8.77	8.96	9.25	9.55	8.15	8.33	8.59	8.87	8.48	8.67	8.94	9.23	8.77	8.96	9.25	9.55																																																						
AMPS		21.4	21.9	22.5	23.3	23.0	23.5	24.2	25.0	24.8	25.3	26.1	27.0	26.3	26.9	27.7	28.7	27.8	28.5	29.3	30.4	29.4	30.0	31.0	32.0	26.3	26.9	27.7	28.7	27.8	28.5	29.3	30.4	29.4	30.0	31.0	32.0																																																						
HI PR		163	176	186	194	183	197	208	217	209	224	237	247	238	256	270	282	267	288	304	317	295	318	335	350	238	256	270	282	267	288	304	317	295	318	335	350																																																						
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	71	75	82	87	74	79	86	92	77	81	89	95																																																						
MBh		85668.9	87539.4	93525.0	99978.2	83676.6	85503.6	91350.0	97653.2	81684.3	83467.8	89175.0	95328.1	79692.0	81432.0	87000.0	93003.0	75707.4	77360.4	82650.0	88352.9	70129.0	71660.2	76560.0	81842.6	75707.4	77360.4	82650.0	88352.9	70129.0	71660.2	76560.0	81842.6	75707.4	77360.4	82650.0	88352.9																																																						
3375	S/T	0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.51	0.93	0.87	0.71	0.53	0.96	0.90	0.73	0.54	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57	0.99	0.93	0.76	0.57	1.00	0.94	0.76	0.57	0.99	0.93	0.76	0.57																																																						
	Delta T	20317	19471	16931	13528	20566	19709	17138	13694	20587	19729	17156	13707	20732	19868	17277	13804	20442	19590	17035	13611	19094	18299	15912	12714	20732	19868	17277	13804	20442	19590	17035	13611	19094	18299	15912	12714																																																						
	KW	6.82	6.96	7.17	7.39	7.32	7.47	7.70	7.94	7.76	7.93	8.17	8.43	8.15	8.33	8.59	8.87	8.48	8.67	8.94	9.23	8.77	8.96	9.25	9.55	8.15	8.33	8.59	8.87	8.48	8.67	8.94	9.23	8.77	8.96	9.25	9.55																																																						
	AMPS	21.4	21.9	22.5	23.3	23.0	23.5	24.2	25.0	24.8	25.3	26.1	27.0	26.3	26.9	27.7	28.7	27.8	28.5	29.3	30.4	29.4	30.0	31.0	32.0	26.3	26.9	27.7	28.7	27.8	28.5	29.3	30.4	29.4	30.0	31.0	32.0																																																						
	HI PR	163	176	186	194	183	197	208	217	209	224	237	247	238	256	270	282	267	288	304	317	295	318	335	350	238	256	270	282	267	288	304	317	295	318	335	350																																																						
	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	71	75	82	87	74	79	86	92	77	81	89	95																																																						
	2625	MBh	80453.6	82010.8	85892.0	91633.9	78582.6	80103.6	83894.5	89502.9	76711.5	78196.4	81897.0	87371.9	74840.5	76289.2	79899.5	85240.9	71098.5	72474.7	75904.5	80978.8	65859.7	67134.5	70311.6	75012.0	71098.5	72474.7	75904.5	80978.8	65859.7	67134.5	70311.6	75012.0	71098.5	72474.7	75904.5	80978.8																																																					
		S/T	0.88	0.85	0.77	0.62	0.91	0.88	0.79	0.64	0.94	0.90	0.81	0.66	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.97	0.88	0.71	0.97	0.93	0.84	0.68	1.00	0.97	0.87	0.71	1.00	0.97	0.88	0.71																																																					
Delta T		24799	24392	23055	19955	25102	24691	23337	20200	25128	24715	23361	20220	25305	24890	23526	20362	24901	24541	23196	20077	23066	22923	21667	18754	25305	24890	23526	20362	24901	24541	23196	20077	23066	22923	21667	18754																																																						
KW		6.72	6.85	7.06	7.27	7.21	7.36	7.58	7.82	7.64	7.80	8.04	8.30	8.02	8.19	8.45	8.72	8.35	8.52	8.80	9.08	8.63	8.81	9.09	9.39	8.02	8.19	8.45	8.72	8.35	8.52	8.80	9.08	8.63	8.81	9.09	9.39																																																						
AMPS		21.1	21.5	22.2	22.9	22.6	23.1	23.8	24.6	24.3	24.9	25.6	26.5	25.8	26.4	27.2	28.1	27.4	28.0	28.8	29.8	28.8	29.5	30.4	31.5	25.8	26.4	27.2	28.1	27.4	28.0	28.8	29.8	28.8	29.5	30.4	31.5																																																						
HI PR		160	172	182	190	180	193	204	213	204	220	232	242	233	250	264	276	262	282	297	310	289	311	329	343	233	250	264	276	262	282	297	310	289	311	329	343																																																						
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	69	74	80	86	72	77	84	90	75	80	87	93																																																						
3245		MBh	87165.3	88852.5	93057.4	99278.4	85138.2	86786.2	90893.3	96969.6	83111.1	84719.8	88729.1	94660.8	81084.0	82653.5	86565.0	92352.0	77029.8	78520.8	82236.8	87734.4	71353.9	72735.1	76177.2	81269.7	81084.0	82653.5	86565.0	92352.0	77029.8	78520.8	82236.8	87734.4	71353.9	72735.1	76177.2	81269.7																																																					
	S/T	0.91	0.88	0.79	0.64	0.95	0.91	0.82	0.67	0.97	0.94	0.84	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74	0.97	0.93	0.84	0.69	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74																																																						
	Delta T	22540	22170	20955	18138	22816	22442	21212	18360	22839	22464	21233	18378	22972	22623	21383	18508	21824	22246	21083	18249	20216	20607	19684	17046	22972	22623	21383	18508	21824	22246	21083	18249	20216	20607	19684	17046																																																						
	KW	6.87	7.01	7.22	7.45	7.38	7.53	7.76	8.01	7.82	7.99	8.24	8.50	8.22	8.39	8.66	8.94	8.55	8.74	9.02	9.31	8.84	9.03	9.32	9.63	8.22	8.39	8.66	8.94	8.55	8.74	9.02	9.31	8.84	9.03	9.32	9.63																																																						
	AMPS	21.6	22.1	22.7	23.5	23.2	23.7	24.4	25.2	25.0	25.5	26.3	27.2	26.5	27.1	27.9	28.9	28.1	28.7	29.6	30.6	29.6	30.3	31.2	32.3	26.5	27.1	27.9	28.9	28.1	28.7	29.6	30.6	29.6	30.3	31.2	32.3																																																						
	HI PR	165	178	188	196	185	199	210	219	211	227	239	250	240	258	273	284	270	290	307	320	298	321	339	353	240	258	273	284	270	290	307	320	298	321	339	353																																																						
	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	71	76	83	88	75	80	87																																																											

COOLING PERFORMANCE DATA

GSC101203B*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: GSC101203 / AR120

IDB* Airflow			65										75										85										95										105										115									
			Outdoor Ambient Temperature																														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	59	63	67	71																				
3600	MBh	106.8	110.7	121.3	-	104.3	108.2	118.5	-	101.9	105.6	115.7	-	99.4	103.0	112.9	-	94.4	97.9	107.2	-	94.4	97.9	107.2	-	87.5	90.6	99.3	-	87.5	90.6	99.3	-	87.5	90.6	99.3	-	87.5	90.6	99.3	-	87.5	90.6	99.3	-	87.5	90.6	99.3	-													
	S/T	0.66	0.55	0.38	-	0.68	0.57	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.75	0.62	0.43	-	0.75	0.63	0.44	-	0.75	0.63	0.44	-	0.75	0.63	0.44	-	0.75	0.63	0.44	-	0.75	0.63	0.44	-	0.75	0.63	0.44	-													
	Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-													
	KW	7.81	7.97	8.21	-	8.39	8.56	8.82	-	8.89	9.08	9.36	-	9.34	9.53	9.84	-	9.72	9.92	10.24	-	9.72	9.92	10.24	-	10.04	10.26	10.59	-	10.04	10.26	10.59	-	10.04	10.26	10.59	-	10.04	10.26	10.59	-	10.04	10.26	10.59	-	10.04	10.26	10.59	-													
	AMPS	21.6	22.1	22.8	-	23.2	23.7	24.5	-	25.1	25.7	26.5	-	26.7	27.3	28.2	-	28.3	29.0	29.9	-	28.3	29.0	29.9	-	29.9	30.6	31.6	-	29.9	30.6	31.6	-	29.9	30.6	31.6	-	29.9	30.6	31.6	-	29.9	30.6	31.6	-	29.9	30.6	31.6	-													
	HI PR	103	111	117	-	116	124	131	-	131	141	149	-	150	161	170	-	168	181	191	-	168	181	191	-	186	200	211	-	186	200	211	-	186	200	211	-	186	200	211	-	186	200	211	-	186	200	211	-	186	200	211	-									
3827	LO PR	43	45	49	-	45	48	52	-	47	50	54	-	49	52	57	-	51	55	60	-	51	55	60	-	53	57	62	-	53	57	62	-	53	57	62	-	53	57	62	-	53	57	62	-	53	57	62	-	53	57	62	-									
	MBh	108.5	112.4	123.2	-	105.9	109.8	120.3	-	103.4	107.2	117.4	-	100.9	104.6	114.6	-	95.8	99.3	108.8	-	95.8	99.3	108.8	-	88.8	92.0	100.8	-	88.8	92.0	100.8	-	88.8	92.0	100.8	-	88.8	92.0	100.8	-	88.8	92.0	100.8	-	88.8	92.0	100.8	-	88.8	92.0	100.8	-									
	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	-	0.77	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-									
	Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	18	15	12	-	17	14	11	-	17	14	11	-	17	14	11	-	17	14	11	-	17	14	11	-	17	14	11	-	17	14	11	-									
	KW	7.92	8.08	8.32	-	8.50	8.67	8.94	-	9.01	9.20	9.49	-	9.46	9.67	9.97	-	9.85	10.06	10.38	-	9.85	10.06	10.38	-	10.18	10.40	10.74	-	10.18	10.40	10.74	-	10.18	10.40	10.74	-	10.18	10.40	10.74	-	10.18	10.40	10.74	-	10.18	10.40	10.74	-	10.18	10.40	10.74	-									
	AMPS	21.9	22.4	23.1	-	23.6	24.1	24.8	-	25.5	26.0	26.8	-	27.1	27.7	28.6	-	28.7	29.4	30.3	-	28.7	29.4	30.3	-	30.4	31.1	32.1	-	30.4	31.1	32.1	-	30.4	31.1	32.1	-	30.4	31.1	32.1	-	30.4	31.1	32.1	-	30.4	31.1	32.1	-	30.4	31.1	32.1	-									
3900	HI PR	105	113	119	-	118	127	134	-	134	144	152	-	152	164	173	-	171	184	195	-	171	184	195	-	189	204	215	-	189	204	215	-	189	204	215	-	189	204	215	-	189	204	215	-	189	204	215	-	189	204	215	-									
	LO PR	43	46	50	-	46	49	53	-	47	51	55	-	50	53	58	-	52	56	61	-	52	56	61	-	54	58	63	-	54	58	63	-	54	58	63	-	54	58	63	-	54	58	63	-	54	58	63	-	54	58	63	-									
	MBh	108.5	112.4	123.2	-	105.9	109.8	120.3	-	103.4	107.2	117.4	-	100.9	104.6	114.6	-	95.8	99.3	108.8	-	95.8	99.3	108.8	-	88.8	92.0	100.8	-	88.8	92.0	100.8	-	88.8	92.0	100.8	-	88.8	92.0	100.8	-	88.8	92.0	100.8	-	88.8	92.0	100.8	-	88.8	92.0	100.8	-									
	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	-	0.77	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-									
	Delta T	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-	17	15	11	-	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-									
	KW	7.92	8.08	8.32	-	8.50	8.67	8.94	-	9.01	9.20	9.49	-	9.46	9.67	9.97	-	9.85	10.06	10.38	-	9.85	10.06	10.38	-	10.18	10.40	10.74	-	10.18	10.40	10.74	-	10.18	10.40	10.74	-	10.18	10.40	10.74	-	10.18	10.40	10.74	-	10.18	10.40	10.74	-	10.18	10.40	10.74	-									
70	AMPS	21.9	22.4	23.1	-	23.6	24.1	24.8	-	25.5	26.0	26.8	-	27.1	27.7	28.6	-	28.7	29.4	30.3	-	28.7	29.4	30.3	-	30.4	31.1	32.1	-	30.4	31.1	32.1	-	30.4	31.1	32.1	-	30.4	31.1	32.1	-	30.4	31.1	32.1	-	30.4	31.1	32.1	-	30.4	31.1	32.1	-									
	HI PR	105	113	119	-	118	127	134	-	134	144	152	-	152	164	173	-	171	184	195	-	171	184	195	-	189	204	215	-	189	204	215	-	189	204	215	-	189	204	215	-	189	204	215	-	189	204	215	-	189	204	215	-									
3900	LO PR	43	46	50	-	46	49	53	-	47	51	55	-	50	53	58	-	52	56	61	-	52	56	61	-	54	58	63	-	54	58	63	-	54	58	63	-	54	58	63	-	54	58	63	-	54	58	63	-	54	58	63	-									
	MBh	108.5	112.4	123.2	-	105.9	109.8	120.3	-	103.4	107.2	117.4	-	100.9	104.6	114.6	-	95.8	99.3	108.8	-	95.8	99.3	108.8	-	88.8	92.0	100.8	-	88.8	92.0	100.8	-	88.8	92.0	100.8	-	88.8	92.0	100.8	-	88.8	92.0	100.8	-	88.8	92.0	100.8	-	88.8	92.0	100.8	-									
3900	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	-	0.77	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-	0.78	0.65	0.45	-									
	Delta T	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-	17	15	11	-	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-									
3900	KW	7.92	8.08	8.32	-	8.50	8.67	8.94	-	9.01	9.20	9.49	-	9.46	9.67	9.97	-	9.85	10.06	10.38	-	9.85	10.06	10.38	-	10.18	10.40	10.74	-	10.18	10.40	10.74	-	10.18	10.40	10.74	-	10.18	10.40	10.74	-	10.18	10.40	10.74	-	10.18	10.40	10.74	-	10.18	10.40	10.74	-									
	AMPS	21.9	22.4	23.1	-	23.6	24.1	24.8	-	25.5	26.0	26.8	-	27.1	27.7	28.6	-	28.7	29.4	30.3	-	28.7	29.4	30.3	-	30.4	31.1	32.1	-	30.4	31.1	32.1	-	30.4	31.1	32.1	-	30.4	31.1	32.1	-	30.4	31.1	32.1	-	30.4	31.1	32.1	-	30.4	31.1	32.1	-									
3900	HI PR	105	113	119	-	118	127	134	-	134	144	152	-	152	164	173	-	171	184	195	-	171	184	195	-	189	204	215	-	189	204	215	-	189	204	215	-	189	204	215	-	189	204	215	-	189	204	215	-	189	204	215	-									
	LO PR	43	46	50	-	46	49	53	-	47	51	55	-	50	53	58	-	52	56	61	-	52	56	61	-	54	58	63	-	54	58	63	-	54	58	63	-	54	58	63	-	54	58	63	-	54	58	63	-	54	58	63	-									

3600	MBh	108.6	111.9	121.1	129.9	106.1	109.3	118.3	126.9	103.6	106.7	115.4	123.9	101.1	104.1	112.6	120.9	96.0	98.8	107.0	114.8	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4	88.9	91.6	99.1	106.4
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MODEL: GSC101203 / AR120

3600	MBh	112.5	114.7	120.1	128.1	109.9	112.0	117.3	125.2	107.3	109.3	114.5	122.2	104.7	106.7	111.7	119.2	99.4	101.3	106.1	113.2	92.1	93.9	98.3	104.9
	S/T	0.86	0.83	0.75	0.60	0.89	0.86	0.77	0.63	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	0.98	0.95	0.86	0.69
	Delta T	25	24	23	20	25	24	23	20	25	25	23	20	25	25	23	20	25	24	23	20	23	23	21	19
	KW	8.00	8.16	8.40	8.66	8.58	8.76	9.03	9.32	9.10	9.30	9.59	9.90	9.56	9.77	10.08	10.40	9.95	10.17	10.49	10.84	10.29	10.51	10.85	11.21
	AMPS	22.2	22.7	23.3	24.2	23.8	24.4	25.1	26.0	25.7	26.3	27.2	28.1	27.4	28.0	28.9	30.0	29.1	29.7	30.7	31.8	30.7	31.4	32.4	33.6
	H1PR	106	114	121	126	119	128	135	141	135	146	154	161	154	166	175	183	174	187	197	206	192	206	218	227
	LO PR	44	47	51	54	46	49	54	57	48	51	56	59	51	54	59	62	53	56	61	65	55	58	64	68
3827	MBh	114.2	116.4	121.9	130.1	111.6	113.7	119.1	127.1	108.9	111.0	116.3	124.0	106.2	108.3	113.4	121.0	100.9	102.9	107.8	115.0	93.5	95.3	99.8	106.5
	S/T	0.89	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
	Delta T	24	24	23	20	25	24	23	20	25	24	23	20	25	24	23	20	24	24	23	20	22	23	21	18
	KW	8.10	8.27	8.52	8.78	8.70	8.88	9.16	9.45	9.23	9.42	9.72	10.03	9.70	9.90	10.22	10.55	10.09	10.31	10.64	10.99	10.44	10.66	11.01	11.37
	AMPS	22.5	23.0	23.7	24.5	24.2	24.7	25.5	26.4	26.1	26.7	27.6	28.5	27.8	28.5	29.4	30.4	29.5	30.2	31.1	32.3	31.2	31.9	32.9	34.1
	H1PR	108	116	123	128	121	130	138	144	138	148	157	163	157	169	178	186	177	190	201	209	195	210	222	231
	LO PR	45	47	52	55	47	50	55	58	49	52	57	61	51	55	60	64	54	57	63	67	56	59	65	69
3900	MBh	114.2	116.4	121.9	130.1	111.6	113.7	119.1	127.1	108.9	111.0	116.3	124.0	106.2	108.3	113.4	121.0	100.9	102.9	107.8	115.0	93.5	95.3	99.8	106.5
	S/T	0.89	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
	Delta T	24	24	22	19	24	24	22	19	24	24	23	19	24	24	23	20	24	24	22	19	22	22	21	18
	KW	8.10	8.27	8.52	8.78	8.70	8.88	9.16	9.45	9.23	9.42	9.72	10.03	9.70	9.90	10.22	10.55	10.09	10.31	10.64	10.99	10.44	10.66	11.01	11.37
	AMPS	22.5	23.0	23.7	24.5	24.2	24.7	25.5	26.4	26.1	26.7	27.6	28.5	27.8	28.5	29.4	30.4	29.5	30.2	31.1	32.3	31.2	31.9	32.9	34.1
	H1PR	108	116	123	128	121	130	138	144	138	148	157	163	157	169	178	186	177	190	201	209	195	210	222	231
	LO PR	45	47	52	55	47	50	55	58	49	52	57	61	51	55	60	64	54	57	63	67	56	59	65	69

* Entering Indoor Dry Bulb Temperature

* Entering Indoor Dry Bulb Temperature

COOLING PERFORMANCE DATA

GSC100904A*

EXPANDED PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: GSC100904 / AR090

IDB* Airflow		Outdoor Ambient Temperature																							
		65				75				85				95				105				115			
		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	
3000	MBh	81.5	84.5	92.6	-	79.6	82.5	90.4	-	77.7	80.6	88.3	-	75.8	78.6	86.1	-	72.0	74.7	81.8	-	66.7	69.2	75.8	-
	ST	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	-
	Delta T	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	17	15	11	-	16	14	10	-
	KW	6.64	6.77	6.98	-	7.12	7.27	7.49	-	7.55	7.71	7.94	-	7.92	8.09	8.34	-	8.24	8.42	8.69	-	8.52	8.70	8.98	-
	AMPS	10.5	10.7	11.0	-	11.2	11.4	11.8	-	12.1	12.3	12.7	-	12.8	13.1	13.5	-	13.5	13.8	14.3	-	14.3	14.6	15.0	-
	HiPR	157	169	179	-	177	190	201	-	201	216	228	-	229	246	260	-	257	277	293	-	284	306	323	-
	LOPR	59	63	68	-	62	66	72	-	65	69	75	-	68	72	79	-	71	76	83	-	74	78	86	-
3245	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	-
	ST	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-
	Delta T	16	14	11	-	17	14	11	-	17	14	11	-	17	14	11	-	16	14	11	-	15	13	10	-
	KW	6.73	6.86	7.07	-	7.22	7.37	7.59	-	7.65	7.81	8.05	-	8.03	8.20	8.46	-	8.36	8.54	8.81	-	8.64	8.82	9.11	-
	AMPS	10.6	10.8	11.1	-	11.4	11.6	11.9	-	12.2	12.5	12.9	-	13.0	13.3	13.7	-	13.7	14.0	14.5	-	14.5	14.8	15.3	-
	HiPR	160	172	182	-	180	193	204	-	204	220	232	-	233	250	265	-	262	282	298	-	289	311	329	-
	LOPR	60	64	70	-	63	67	74	-	66	70	77	-	69	74	80	-	73	77	84	-	75	80	87	-
3300	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	-
	ST	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.74	0.62	0.43	-	0.77	0.64	0.44	-	0.80	0.66	0.46	-	0.80	0.67	0.46	-
	Delta T	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	16	14	11	-	15	13	10	-
	KW	6.73	6.86	7.07	-	7.22	7.37	7.59	-	7.65	7.81	8.05	-	8.03	8.20	8.46	-	8.36	8.54	8.81	-	8.64	8.82	9.11	-
	AMPS	10.6	10.8	11.1	-	11.4	11.6	11.9	-	12.2	12.5	12.9	-	13.0	13.3	13.7	-	13.7	14.0	14.5	-	14.5	14.8	15.3	-
	HiPR	160	172	182	-	180	193	204	-	204	220	232	-	233	250	265	-	262	282	298	-	289	311	329	-
	LOPR	60	64	70	-	63	67	74	-	66	70	77	-	69	74	80	-	73	77	84	-	75	80	87	-

	3000												3245												3300											
	MBh	82.9	85.4	92.4	99.2	81.0	83.4	90.2	96.9	79.1	81.4	88.1	94.6	77.1	79.4	86.0	92.2	73.3	75.4	81.7	87.6	67.9	69.9	75.6	81.2											
	S/T	0.77	0.68	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	0.59	0.38											
	Delta T	19	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	20	18	15	10	18	17	14	10											
	KW	6.69	6.83	7.03	7.24	7.18	7.33	7.55	7.78	7.61	7.77	8.01	8.26	7.99	8.16	8.41	8.68	8.31	8.49	8.76	9.04	8.59	8.77	9.05	9.35											
	AMPS	10.5	10.8	11.1	11.4	11.3	11.5	11.9	12.3	12.2	12.4	12.8	13.2	12.9	13.2	13.6	14.1	13.7	14.0	14.4	14.9	14.4	14.7	15.2	15.7											
	HiPR	159	171	181	188	178	192	203	211	203	218	231	241	231	249	263	274	260	280	295	308	287	309	326	341											
	LOPR	60	63	69	74	63	67	73	78	65	70	76	81	69	73	80	85	72	77	84	89	74	79	87	92											
	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	0.75	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											
	Delta T	19	17	14	10	19	18	14	10	19	18	14	10	19	18	14	10	19	18	14	10	18	16	13	9											
	KW	6.78	6.92	7.12	7.34	7.27	7.42	7.65	7.89	7.71	7.87	8.12	8.38	8.10	8.27	8.53	8.80	8.43	8.61	8.88	9.17	8.71	8.90	9.18	9.48											
	AMPS	10.7	10.9	11.2	11.6	11.4	11.7	12.0	12.4	12.3	12.6	13.0	13.4	13.1	13.4	13.8	14.3	13.9	14.2	14.6	15.1	14.6	14.9	15.4	15.9											
	HiPR	162	174	184	192	182	195	206	215	206	222	235	245	235	253	267	279	265	285	301	314	292	315	332	346											
	LOPR	61	64	70	75	64	68	74	79	67	71	77	82	70	74	81	86	73	78	85	91	76	81	88	94											
	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	0.75	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											
	Delta T	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	6.78	6.92	7.12	7.34	7.27	7.42	7.65	7.89	7.71	7.87	8.12	8.38	8.10	8.27	8.53	8.80	8.43	8.61	8.88	9.17	8.71	8.90	9.18	9.48											
	AMPS	10.7	10.9	11.2	11.6	11.4	11.7	12.0	12.4	12.3	12.6	13.0	13.4	13.1	13.4	13.8	14.3	13.9	14.2	14.6	15.1	14.6	14.9	15.4	15.9											
	HiPR	162	174	184	192	182	195	206	215	206	222	235	245	235	253	267	279	265	285	301	314	292	315	332	346											
	LOPR	61	64	70	75	64	68	74	79	67	71	77	82	70	74	81	86	73	78	85	91	76	81	88	94											

* Entering Indoor Dry Bulb Temperature

NOTE: Shaded area is ACCA (TVA) conditions

COOLING PERFORMANCE DATA

GSC100904A*

COOLING OPERATION

EXPANDED PERFORMANCE DATA

MODEL: GSC100904 / AR090

		Outdoor Ambient Temperature																																															
		65								75								85								95								105								115							
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71																
	3000	MBh	84.4	86.2	92.1	98.5	82.4	84.2	90.0	96.2	80.5	82.2	87.8	93.9	78.5	80.2	85.7	91.6	74.6	76.2	81.4	87.0	69.1	70.6	75.4	80.6	69.1	70.6	75.4	80.6	69.1	70.6	75.4	80.6															
		S/T	0.84	0.79	0.64	0.48	0.87	0.82	0.66	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	0.96	0.90	0.74	0.55	0.96	0.90	0.74	0.55	0.96	0.90	0.74	0.55															
		Delta T	22	21	18	14	22	21	18	15	22	21	18	15	22	21	18	15	22	21	18	15	20	20	17	14	20	20	17	14	20	20	17	14															
		KW	6.74	6.88	7.08	7.30	7.23	7.38	7.61	7.85	7.67	7.83	8.07	8.33	8.05	8.22	8.48	8.75	8.38	8.56	8.83	9.12	8.66	8.84	9.13	9.43	8.66	8.84	9.13	9.43	8.66	8.84	9.13	9.43															
		AMPS	10.6	10.8	11.2	11.5	11.4	11.6	12.0	12.4	12.3	12.5	12.9	13.3	13.0	13.3	13.7	14.2	13.8	14.1	14.5	15.0	14.5	14.8	15.3	15.8	14.5	14.8	15.3	15.8	14.5	14.8	15.3	15.8															
		HI PR	161	173	183	190	180	194	205	214	205	221	233	243	233	251	265	277	263	283	298	311	290	312	330	344	290	312	330	344	290	312	330	344															
	LO PR	60	64	70	74	64	68	74	79	66	70	77	82	69	74	81	86	73	77	84	90	75	80	87	93	75	80	87	93	75	80	87	93																
80	3245	MBh	85.7	87.5	93.5	100.0	83.7	85.5	91.4	97.7	81.7	83.5	89.2	95.3	79.7	81.4	87.0	93.0	75.7	77.4	82.7	88.4	70.1	71.7	76.6	81.8	70.1	71.7	76.6	81.8	70.1	71.7	76.6	81.8															
		S/T	0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.51	0.93	0.87	0.71	0.53	0.96	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															
		Delta T	21	20	18	14	21	20	18	14	21	21	18	14	22	21	18	14	21	20	18	14	20	19	17	13	20	19	17	13	20	19	17	13															
		KW	6.83	6.97	7.18	7.40	7.33	7.48	7.71	7.95	7.77	7.94	8.18	8.44	8.16	8.34	8.60	8.88	8.49	8.68	8.95	9.24	8.78	8.97	9.26	9.56	8.78	8.97	9.26	9.56	8.78	8.97	9.26	9.56															
		AMPS	10.8	11.0	11.3	11.7	11.5	11.8	12.1	12.5	12.4	12.7	13.1	13.5	13.2	13.5	13.9	14.4	14.0	14.3	14.7	15.2	14.7	15.1	15.5	16.1	14.7	15.1	15.5	16.1	14.7	15.1	15.5	16.1															
		HI PR	163	176	186	194	183	197	208	217	209	224	237	247	238	256	270	282	267	288	304	317	295	318	335	350	295	318	335	350	295	318	335	350															
	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	77	81	89	95	77	81	89	95																
	3300	MBh	85.7	87.5	93.5	100.0	83.7	85.5	91.4	97.7	81.7	83.5	89.2	95.3	79.7	81.4	87.0	93.0	75.7	77.4	82.7	88.4	70.1	71.7	76.6	81.8	70.1	71.7	76.6	81.8	70.1	71.7	76.6	81.8															
		S/T	0.87	0.82	0.66	0.50	0.90	0.85	0.69	0.51	0.93	0.87	0.71	0.53	0.96	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															
		Delta T	21	20	17	14	21	20	18	14	21	20	18	14	21	20	18	14	21	20	17	14	20	19	16	13	20	19	16	13	20	19	16	13															
		KW	6.83	6.97	7.18	7.40	7.33	7.48	7.71	7.95	7.77	7.94	8.18	8.44	8.16	8.34	8.60	8.88	8.49	8.68	8.95	9.24	8.78	8.97	9.26	9.56	8.78	8.97	9.26	9.56	8.78	8.97	9.26	9.56															
		AMPS	10.8	11.0	11.3	11.7	11.5	11.8	12.1	12.5	12.4	12.7	13.1	13.5	13.2	13.5	13.9	14.4	14.0	14.3	14.7	15.2	14.7	15.1	15.5	16.1	14.7	15.1	15.5	16.1	14.7	15.1	15.5	16.1															
		HI PR	163	176	186	194	183	197	208	217	209	224	237	247	238	256	270	282	267	288	304	317	295	318	335	350	295	318	335	350	295	318	335	350															
	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	77	81	89	95	77	81	89	95																

3000	MBh	85.9	87.5	91.7	97.8	83.9	85.5	89.5	95.5	81.9	83.4	87.4	93.2	79.9	81.4	85.3	91.0	75.9	77.3	81.0	86.4	70.3	71.6	75.0	80.1	70.3	71.6	75.0	80.1
	S/T	0.88	0.85	0.77	0.62	0.91	0.88	0.79	0.64	0.94	0.90	0.81	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	1.00	0.98	0.88	0.71
	Delta T	23	23	22	19	23	23	22	19	23	23	22	19	24	23	22	19	23	23	22	19	22	21	20	18	22	21	20	18
	KW	6.79	6.93	7.14	7.36	7.29	7.44	7.67	7.91	7.73	7.89	8.14	8.40	8.12	8.29	8.55	8.82	8.44	8.63	8.90	9.19	8.73	8.92	9.20	9.50	8.73	8.92	9.20	9.50
	AMPS	10.7	10.9	11.2	11.6	11.5	11.7	12.1	12.5	12.4	12.6	13.0	13.4	13.1	13.4	13.8	14.3	13.9	14.2	14.6	15.1	14.6	15.0	15.4	16.0	14.6	15.0	15.4	16.0
	HI PR	162	175	184	192	182	196	207	216	207	223	235	245	236	254	268	279	265	285	301	314	293	315	333	347	293	315	333	347
3245	LO PR	61	65	71	75	64	68	75	79	67	71	78	83	70	75	81	87	73	78	85	91	76	81	88	94	76	81	88	94
	MBh	87.2	88.9	93.1	99.3	85.1	86.8	90.9	97.0	83.1	84.7	88.7	94.7	81.1	82.7	86.6	92.4	77.0	78.5	82.2	87.7	71.4	72.7	76.2	81.3	71.4	72.7	76.2	81.3
	S/T	0.91	0.88	0.79	0.64	0.95	0.91	0.82	0.67	0.97	0.94	0.84	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74	1.00	1.00	0.91	0.74
	Delta T	23	22	21	18	23	22	21	18	23	22	21	18	23	23	21	19	22	22	21	18	20	21	20	17	20	21	20	17
	KW	6.88	7.02	7.23	7.46	7.39	7.54	7.77	8.02	7.83	8.00	8.25	8.51	8.23	8.40	8.67	8.95	8.56	8.75	9.03	9.32	8.85	9.04	9.33	9.64	8.85	9.04	9.33	9.64
	AMPS	10.9	11.1	11.4	11.8	11.6	11.9	12.2	12.6	12.5	12.8	13.2	13.6	13.3	13.6	14.0	14.5	14.1	14.4	14.8	15.4	14.9	15.2	15.7	16.2	14.9	15.2	15.7	16.2
3300	HI PR	165	178	188	196	185	199	210	219	211	227	239	250	240	258	273	284	270	290	307	320	298	321	339	353	298	321	339	353
	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	77	82	90	96
	MBh	87.2	88.9	93.1	99.3	85.1	86.8	90.9	97.0	83.1	84.7	88.7	94.7	81.1	82.7	86.6	92.4	77.0	78.5	82.2	87.7	71.4	72.7	76.2	81.3	71.4	72.7	76.2	81.3
	S/T	0.91	0.88	0.79	0.64	0.95	0.91	0.82	0.67	0.97	0.94	0.84	0.69	1.00	0.97	0.87	0.71	1.00	1.00	0.90	0.73	1.00	1.00	0.91	0.74	1.00	1.00	0.91	0.74
	Delta T	22	22	21	18	22	22	21	18	22	22	21	18	23	23	21	19	22	22	21	18	20	20	19	17	20	20	19	17
	KW	6.88	7.02	7.23	7.46	7.39	7.54	7.77	8.02	7.83	8.00	8.25	8.51	8.23	8.40	8.67	8.95	8.56	8.75	9.03	9.32	8.85	9.04	9.33	9.64	8.85	9.04	9.33	9.64

NOTE: Shaded area is AHR1 Rating Conditions

* Entering Indoor Dry Bulb Temperature

COOLING PERFORMANCE DATA

GSC101204B*

EXPANDED PERFORMANCE DATA

EXPANDED PERFORMANCE DATA

MODEL: GSC101204 / AR120

ID#* Airflow			Outdoor Ambient Temperature																																															
			65								75								85								95								105								115							
			Entering Indoor Wet Bulb Temperature																																															
3600			MBh	106.8	110.7	121.3	-	104.3	108.2	118.5	-	101.9	105.6	115.7	-	99.4	103.0	112.9	-	94.4	97.9	107.2	-	87.5	90.6	99.3	-	87.5	90.6	99.3	-																			
			S/T	0.66	0.55	0.38	-	0.68	0.57	0.39	-	0.70	0.58	0.40	-	0.72	0.60	0.42	-	0.75	0.62	0.43	-	0.75	0.63	0.44	-	0.75	0.63	0.44	-																			
			Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	16	12	-	17	15	11	-																			
			KW	7.81	7.97	8.21	-	8.39	8.56	8.82	-	8.89	9.08	9.36	-	9.34	9.53	9.84	-	9.72	9.92	10.24	-	10.04	10.26	10.59	-	10.04	10.26	10.59	-																			
			AMPS	10.8	11.0	11.4	-	11.6	11.9	12.2	-	12.5	12.8	13.2	-	13.4	13.7	14.1	-	14.2	14.5	14.9	-	14.9	15.3	15.8	-	14.9	15.3	15.8	-																			
			HIPR	152	164	173	-	171	184	194	-	194	209	221	-	221	238	252	-	249	268	283	-	275	296	313	-	275	296	313	-																			
			LO PR	57	61	67	-	61	65	71	-	63	67	73	-	66	71	77	-	69	74	81	-	72	76	83	-	72	76	83	-																			
3827			MBh	108.5	112.4	123.2	-	105.9	109.8	120.3	-	103.4	107.2	117.4	-	100.9	104.6	114.6	-	95.8	99.3	108.8	-	88.8	92.0	100.8	-	88.8	92.0	100.8	-																			
			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	-	0.78	0.65	0.45	-																			
			Delta T	18	15	12	-	18	16	12	-	18	16	12	-	18	16	12	-	18	15	12	-	17	14	11	-	17	14	11	-																			
			KW	7.92	8.08	8.32	-	8.50	8.67	8.94	-	9.01	9.20	9.49	-	9.46	9.67	9.97	-	9.85	10.06	10.38	-	10.18	10.40	10.74	-	10.18	10.40	10.74	-																			
			AMPS	11.0	11.2	11.5	-	11.8	12.0	12.4	-	12.7	13.0	13.4	-	13.5	13.9	14.3	-	14.4	14.7	15.2	-	15.2	15.5	16.0	-	15.2	15.5	16.0	-																			
			HIPR	155	167	176	-	174	187	198	-	198	213	225	-	225	242	256	-	253	273	288	-	280	301	318	-	280	301	318	-																			
			LO PR	58	62	68	-	62	66	72	-	64	68	75	-	67	72	78	-	71	75	82	-	73	78	85	-	73	78	85	-																			
3900			MBh	108.5	112.4	123.2	-	105.9	109.8	120.3	-	103.4	107.2	117.4	-	100.9	104.6	114.6	-	95.8	99.3	108.8	-	88.8	92.0	100.8	-	88.8	92.0	100.8	-																			
			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	-	0.78	0.65	0.45	-																			
			Delta T	17	15	11	-	18	15	12	-	18	15	12	-	18	15	12	-	17	15	11	-	16	14	11	-	16	14	11	-																			
			KW	7.92	8.08	8.32	-	8.50	8.67	8.94	-	9.01	9.20	9.49	-	9.46	9.67	9.97	-	9.85	10.06	10.38	-	10.18	10.40	10.74	-	10.18	10.40	10.74	-																			
			AMPS	11.0	11.2	11.5	-	11.8	12.0	12.4	-	12.7	13.0	13.4	-	13.5	13.9	14.3	-	14.4	14.7	15.2	-	15.2	15.5	16.0	-	15.2	15.5	16.0	-																			
			HIPR	155	167	176	-	174	187	198	-	198	213	225	-	225	242	256	-	253	273	288	-	280	301	318	-	280	301	318	-																			
			LO PR	58	62	68	-	62	66	72	-	64	68	75	-	67	72	78	-	71	75	82	-	73	78	85	-	73	78	85	-																			

3600	MBh	108.6	111.9	121.1	129.9	106.1	109.3	118.3	126.9	103.6	106.7	115.4	123.9	101.1	104.1	112.6	120.9	96.0	98.8	107.0	114.8	88.9	91.6	99.1	106.4
	S/T	0.74	0.67	0.50	0.32	0.77	0.69	0.52	0.34	0.79	0.71	0.54	0.34	0.82	0.73	0.55	0.36	0.85	0.76	0.57	0.37	0.85	0.76	0.58	0.37
	Delta T	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	7.88	8.03	8.28	8.53	8.45	8.63	8.89	9.17	8.96	9.15	9.44	9.74	9.41	9.61	9.92	10.24	9.79	10.00	10.32	10.66	10.12	10.34	10.68	11.03
	AMPS	10.9	11.1	11.5	11.9	11.7	12.0	12.3	12.8	12.7	12.9	13.3	13.8	13.5	13.8	14.2	14.7	14.3	14.6	15.1	15.6	15.1	15.4	15.9	16.5
	HIPR	154	166	175	182	173	186	196	205	196	211	223	233	224	241	254	265	252	271	286	298	278	299	316	329
	LOPR	58	62	67	72	61	65	71	76	64	68	74	79	67	71	78	83	70	75	81	87	73	77	84	90
3827	MBh	110.3	113.6	122.9	131.9	107.7	110.9	120.1	128.9	105.2	108.3	117.2	125.8	102.6	105.6	114.3	122.7	97.5	100.4	108.6	116.6	90.3	93.0	100.6	108.0
	S/T	0.77	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
	Delta T	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	7.98	8.14	8.39	8.64	8.57	8.74	9.01	9.30	9.08	9.28	9.57	9.87	9.54	9.75	10.05	10.38	9.93	10.14	10.47	10.81	10.27	10.49	10.83	11.18
	AMPS	11.1	11.3	11.6	12.0	11.9	12.2	12.5	13.0	12.8	13.1	13.5	14.0	13.7	14.0	14.4	14.9	14.5	14.8	15.3	15.9	15.3	15.7	16.2	16.8
	HIPR	156	168	178	185	176	189	200	208	200	215	227	237	227	245	258	270	256	275	291	303	283	304	321	335
	LOPR	59	63	69	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	79	86	91
3900	MBh	110.3	113.6	122.9	131.9	107.7	110.9	120.1	128.9	105.2	108.3	117.2	125.8	102.6	105.6	114.3	122.7	97.5	100.4	108.6	116.6	90.3	93.0	100.6	108.0
	S/T	0.77	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
	Delta T	20	18	15	10	20	19	15	11	20	19	15	11	20	19	15	11	20	19	15	11	19	17	14	10
	KW	7.98	8.14	8.39	8.64	8.57	8.74	9.01	9.30	9.08	9.28	9.57	9.87	9.54	9.75	10.05	10.38	9.93	10.14	10.47	10.81	10.27	10.49	10.83	11.18
	AMPS	11.1	11.3	11.6	12.0	11.9	12.2	12.5	13.0	12.8	13.1	13.5	14.0	13.7	14.0	14.4	14.9	14.5	14.8	15.3	15.9	15.3	15.7	16.2	16.8
	HIPR	156	168	178	185	176	189	200	208	200	215	227	237	227	245	258	270	256	275	291	303	283	304	321	335
	LOPR	59	63	69	73	62	66	72	77	65	69	75	80	68	72	79	84	71	76	83	88	74	79	86	91

COOLING PERFORMANCE DATA

GSC101204B*

EXPANDED PERFORMANCE DATA

COOLING OPERATION

MODEL: GSC101204 / AR120

		Outdoor Ambient Temperature																													
		65					75					85					95					105					115				
		Entering Indoor Wet Bulb Temperature																													
IDB*	Airflow	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71	59	63	67	71		
80	3600	MBh	110.6	113.0	120.7	129.0	108.0	110.4	117.9	126.0	105.4	107.7	115.1	123.0	102.9	105.1	112.3	120.0	97.7	99.8	106.7	114.0	90.5	92.5	98.8	105.6	90.5	92.5	98.8	105.6	
		S/T	0.82	0.77	0.62	0.47	0.85	0.79	0.65	0.48	0.87	0.81	0.66	0.50	0.90	0.84	0.68	0.51	0.93	0.87	0.71	0.53	0.94	0.88	0.72	0.53	0.94	0.88	0.72	0.53	
		Delta T	23	22	19	15	23	22	19	16	23	22	19	16	24	23	20	16	23	22	19	15	22	21	18	14	22	21	18	14	
		KW	7.94	8.10	8.34	8.60	8.52	8.69	8.96	9.24	9.03	9.22	9.51	9.82	9.49	9.69	10.00	10.32	9.87	10.09	10.41	10.75	10.21	10.43	10.77	11.12	10.21	10.43	10.77	11.12	
		AMPS	11.0	11.2	11.6	12.0	11.8	12.1	12.4	12.9	12.8	13.1	13.5	13.9	13.6	13.9	14.3	14.8	14.4	14.7	15.2	15.8	15.2	15.6	16.1	16.7	15.2	15.6	16.1	16.7	
		H/PR	155	167	177	184	174	188	198	207	198	213	225	235	226	243	257	268	254	273	289	301	281	302	319	333	281	302	319	333	
80	3827	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	73	78	85	91	
		MBh	112.3	114.7	122.6	131.0	109.6	112.0	119.7	128.0	107.0	109.4	116.9	124.9	104.4	106.7	114.0	121.9	99.2	101.4	108.3	115.8	91.9	93.9	100.3	107.2	91.9	93.9	100.3	107.2	
		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	0.97	0.91	0.74	0.55	
		Delta T	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	21	18	14	21	21	18	14	
		KW	8.04	8.20	8.45	8.71	8.63	8.81	9.08	9.37	9.16	9.35	9.64	9.95	9.62	9.82	10.14	10.47	10.01	10.23	10.56	10.90	10.35	10.58	10.92	11.28	10.35	10.58	10.92	11.28	
		AMPS	11.1	11.4	11.7	12.1	12.0	12.3	12.6	13.1	13.0	13.2	13.7	14.1	13.8	14.1	14.6	15.1	14.6	15.0	15.4	16.0	15.4	15.8	16.3	16.9	15.4	15.8	16.3	16.9	
3900	3900	H/PR	158	170	180	187	177	191	202	210	202	217	229	239	230	247	261	272	258	278	294	306	286	307	325	339	286	307	325	339	
		LO PR	60	63	69	74	63	67	73	78	65	70	76	81	69	73	80	85	72	77	84	89	75	79	87	92	75	79	87	92	
		MBh	112.3	114.7	122.6	131.0	109.6	112.0	119.7	128.0	107.0	109.4	116.9	124.9	104.4	106.7	114.0	121.9	99.2	101.4	108.3	115.8	91.9	93.9	100.3	107.2	91.9	93.9	100.3	107.2	
		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	0.97	0.91	0.74	0.55	
		Delta T	22	21	19	15	23	22	19	15	23	22	19	15	23	22	19	15	23	22	19	15	21	20	18	14	21	20	18	14	
		KW	8.04	8.20	8.45	8.71	8.63	8.81	9.08	9.37	9.16	9.35	9.64	9.95	9.62	9.82	10.14	10.47	10.01	10.23	10.56	10.90	10.35	10.58	10.92	11.28	10.35	10.58	10.92	11.28	
3900	3900	AMPS	11.1	11.4	11.7	12.1	12.0	12.3	12.6	13.1	13.0	13.2	13.7	14.1	13.8	14.1	14.6	15.1	14.6	15.0	15.4	16.0	15.4	15.8	16.3	16.9	15.4	15.8	16.3	16.9	
		H/PR	158	170	180	187	177	191	202	210	202	217	229	239	230	247	261	272	258	278	294	306	286	307	325	339	286	307	325	339	
		LO PR	60	63	69	74	63	67	73	78	65	70	76	81	69	73	80	85	72	77	84	89	75	79	87	92	75	79	87	92	

3600	MBh	112.5	114.7	120.1	128.1	109.9	112.0	117.3	125.2	107.3	109.3	114.5	122.2	104.7	106.7	111.7	119.2	99.4	101.3	106.1	113.2	92.1	93.9	98.3	104.9
	S/T	0.86	0.83	0.75	0.60	0.89	0.86	0.77	0.63	0.91	0.88	0.79	0.64	0.94	0.91	0.82	0.66	0.97	0.94	0.85	0.69	0.98	0.95	0.86	0.69
	Delta T	25	24	23	20	25	24	23	20	25	25	23	20	25	25	23	20	25	24	23	20	23	23	21	19
	KW	8.00	8.16	8.40	8.66	8.58	8.76	9.03	9.32	9.10	9.30	9.59	9.90	9.56	9.77	10.08	10.40	9.95	10.17	10.49	10.84	10.29	10.51	10.85	11.21
	AMPS	11.1	11.3	11.7	12.1	11.9	12.2	12.6	13.0	12.9	13.2	13.6	14.1	13.7	14.0	14.5	15.0	14.5	14.9	15.3	15.9	15.3	15.7	16.2	16.8
	H/PR	157	169	178	186	176	190	200	209	200	216	228	237	228	245	259	270	257	276	292	304	284	305	322	336
3827	LO PR	59	63	69	73	63	67	73	77	65	69	76	80	68	73	79	84	72	76	83	89	74	79	86	92
	MBh	114.2	116.4	121.9	130.1	111.6	113.7	119.1	127.1	108.9	111.0	116.3	124.0	106.2	108.3	113.4	121.0	100.9	102.9	107.8	115.0	93.5	95.3	99.8	106.5
	S/T	0.89	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
	Delta T	24	24	23	20	25	24	23	20	25	24	23	20	25	24	23	20	24	24	23	20	22	23	21	18
	KW	8.10	8.27	8.52	8.78	8.70	8.88	9.16	9.45	9.23	9.42	9.72	10.03	9.70	9.90	10.22	10.55	10.09	10.31	10.64	10.99	10.44	10.66	11.01	11.37
	AMPS	11.2	11.5	11.8	12.3	12.1	12.4	12.7	13.2	13.1	13.4	13.8	14.3	13.9	14.2	14.7	15.2	14.8	15.1	15.6	16.1	15.6	15.9	16.5	17.1
3900	H/PR	160	172	181	189	179	193	204	212	204	219	232	241	232	250	264	275	261	281	297	309	288	310	328	342
	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	114.2	116.4	121.9	130.1	111.6	113.7	119.1	127.1	108.9	111.0	116.3	124.0	106.2	108.3	113.4	121.0	100.9	102.9	107.8	115.0	93.5	95.3	99.8	106.5
	S/T	0.89	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
	Delta T	24	24	22	19	24	24	22	19	24	24	23	19	24	24	23	20	24	24	22	19	22	22	21	18
	KW	8.10	8.27	8.52	8.78	8.70	8.88	9.16	9.45	9.23	9.42	9.72	10.03	9.70	9.90	10.22	10.55	10.09	10.31	10.64	10.99	10.44	10.66	11.01	11.37
3900	AMPS	11.2	11.5	11.8	12.3	12.1	12.4	12.7	13.2	13.1	13.4	13.8	14.3	13.9	14.2	14.7	15.2	14.8	15.1	15.6	16.1	15.6	15.9	16.5	17.1
	H/PR	160	172	181	189	179	193	204	212	204	219	232	241	232	250	264	275	261	281	297	309	288	310	328	342
	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

COOLING PERFORMANCE DATA

PERFORMANCE TEST

All data based upon listed indoor dry bulb temperature. .00 inches external static pressure on coil of outdoor section. Indoor air cubic feet per minute (CFM) as listed in the Performance Data Sheets:

If conditions vary from this, results will change as follows:

1. As indoor dry bulb temperatures increase, a slight increase will occur in indoor air temperature drop (Delta T). Low and high side pressures and power will not change.
2. As indoor CFM decreases, a slight increase will occur in indoor temperature drop (Delta T). A slight decrease will occur in low and high side pressures and power.

A properly operating unit should be within plus or minus 2 **degrees** of the subcooling value shown in the installation instructions.

A properly operating unit should be within plus or minus **3 degrees** of the typical (Delta T) value shown.

A properly operating unit should be within plus or minus **10 PSIG** of the **HI PR** shown.

A properly operating unit should be within plus or minus **5 PSIG** of the **LO PR** shown.

A properly operating unit should be within plus or minus **3 Amps** of the typical value shown.

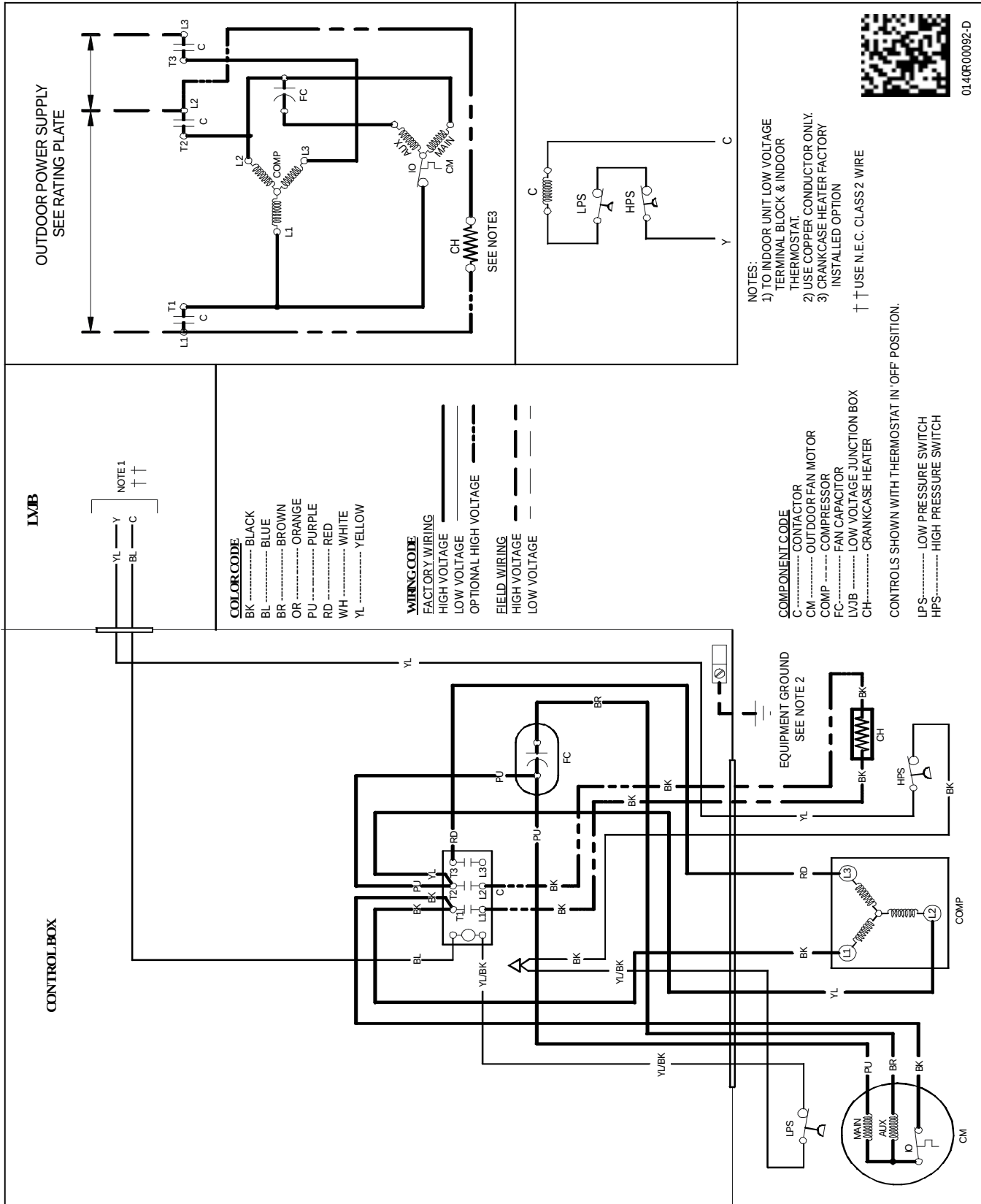
WIRING DIAGRAMS

GSC10***[3/4]**



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.



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

WIRING DIAGRAMS

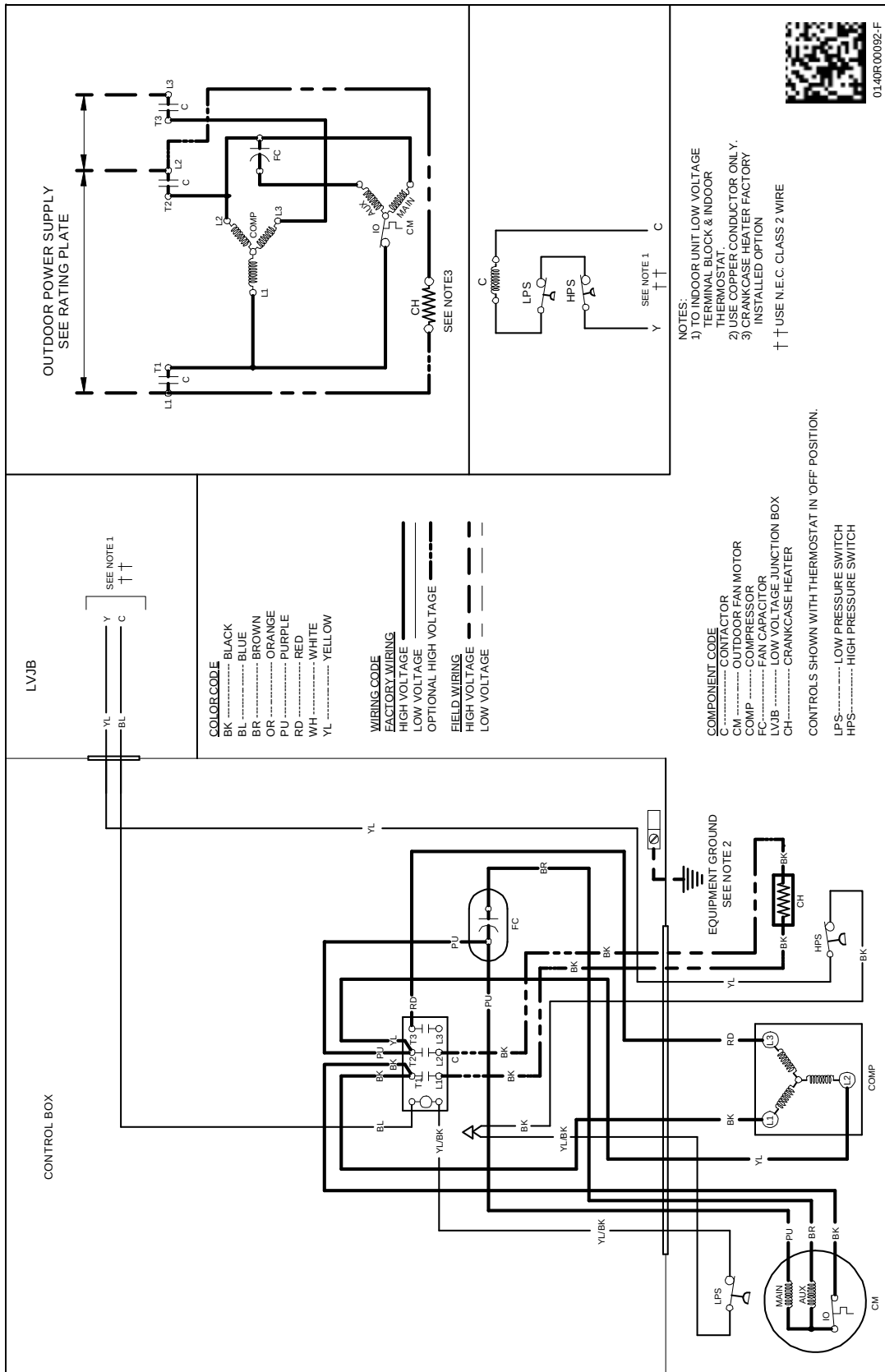
GSC10***[3/4]**



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.



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