

**GS Performance Series
Geothermal Split Heat Pump
Sizes 024, 036, 048, 060, 072**



Product Data



FEATURES & BENEFITS

Energy Efficiency

- 3.4 - 4.5 COP, 15.4 - 26.4 EER (Closed Loop)
- 3.9 - 5.1 COP, 19.2 - 30.5 EER (Open Loop)
- Optional supplemental domestic water heating

Comfort

- Two-stage scroll compressor
- Used with variable speed fan coil or furnace coil

Control

- Microprocessor control
- Comfort Alert
- Smart Start Assist

Sound

- Fully insulated cabinet with closed cell foam
- Compressor blanket

Reliability, Quality and Durability

- Puron® refrigerant

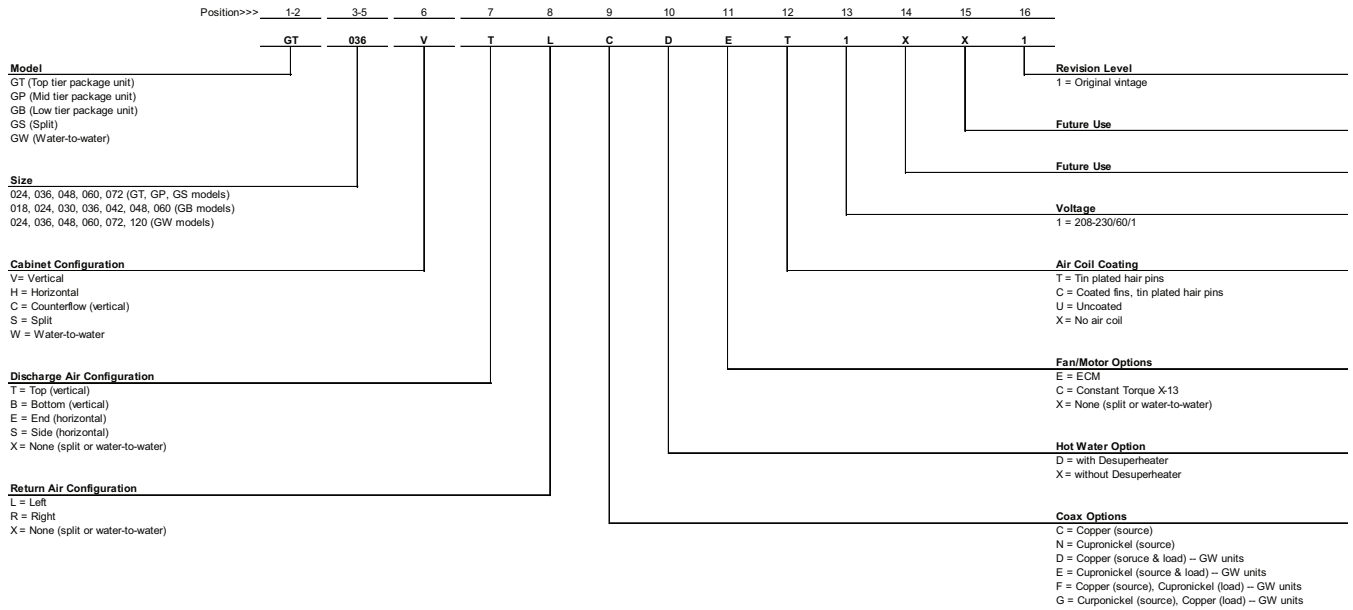
Flexibility and Installation

- Unit compatible with FE/FV fan coils
- Compatible with Carrier evaporator coils
- Compatible with many 3 stage heat, 2 stage cooling programmable thermostats

Energy Star

- All sizes meet Energy Star requirements, except GS072, when used with fan coils.

MODEL NUMBER NOMENCLATURE



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to www.ahridirectory.org.



ELECTRICAL DATA

| GS Models | Rated Voltage | Voltage Min/Max | Compressor | | | Total Unit | |
|-----------|---------------|-----------------|------------|------|-------|------------------|---------------|
| | | | QTY | RLA | LRA | Min Circuit Amps | Max Fuse/HACR |
| GS024 | 208-230/60/1 | 197/253 | 1 | 11.7 | 58.3 | 14.6 | 25 |
| GS036 | 208-230/60/1 | 197/253 | 1 | 15.3 | 83.0 | 19.1 | 30 |
| GS048 | 208-230/60/1 | 197/253 | 1 | 21.2 | 104.0 | 26.5 | 45 |
| GS060 | 208-230/60/1 | 197/253 | 1 | 27.1 | 152.9 | 33.9 | 60 |
| GS072 | 208-230/60/1 | 197/253 | 1 | 29.7 | 179.2 | 37.1 | 60 |

FAN COIL / EVAP COIL MATCH-UP

| Geothermal Split | Air Handler | Cased Coil |
|------------------|----------------------------|------------|
| GS024 | F(E/V)4***003 FB4***024 | CNPVP2417 |
| GS036 | F(E/V)4***003 | CNPVP3617 |
| GS048 | F(E/V)4***005 | CNPVP4821 |
| GS060 | F(E/V)4***006 | CNPVP6024 |
| GS072 | F(E/V)4***006 | CNPVP6024 |

PHYSICAL DATA

| Physical Data GS***S | | | | | |
|---------------------------------------|----------|----------|----------|----------|----------|
| Description | 024 | 036 | 048 | 060 | 072 |
| Compressor Type (Qty 1) | Scroll | Scroll | Scroll | Scroll | Scroll |
| Refrigeration Charge (oz)* | 80 | 86 | 88 | 115 | 127 |
| Max Water Working Pressure (PSIG/kPa) | 450/3100 | 450/3100 | 450/3100 | 450/3100 | 450/3100 |
| Water Connection Size | | | | | |
| FPT (Swivel Type) | 1.0" | 1.0" | 1.0" | 1.0" | 1.0" |
| Coaxial Coil Volume (gal) | 0.33 | 0.62 | 0.62 | 1.07 | 1.07 |
| Cabinet | | | | | |
| Weight – Operating (lbs) | 189 | 189 | 189 | 261 | 261 |
| Weight – Shipping (lbs) | 172 | 172 | 172 | 237 | 237 |

ACCESSORIES

Factory Installed Options

- Cupro-nickel Coil - Recommended in conditions anticipating moderate scale formation or in brackish water.
- Domestic Hot Water Heat Recovery Package: - Used to heat domestic hot water using the wasted heat from the hot compressed gas of the compressor.
- SmartStart: - A factory installed start-up device that improves efficiency as much as 65% and helps reduce wear and tear on the compressor during start-up.

Field Installed Accessories

- Thermostats - Compatible with many 3 stage heat, 2 stage cool heat pump thermostats.
- Internal Electric Heat - Choices include 5, 10, 15, or 20 kilowatt back up or an emergency heater depending on the size of the geothermal heat pump.

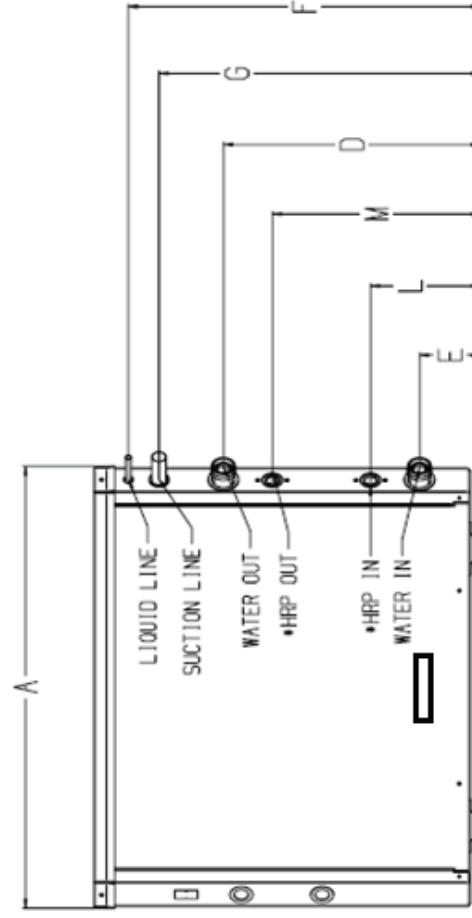
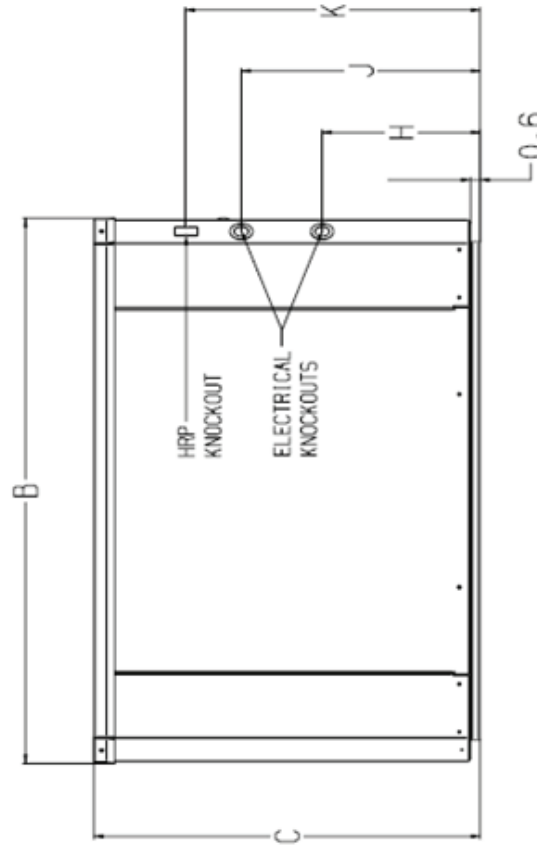
AHRI RATINGS

| FULL LOAD – AIR HANDLER | | | | | | | | | | | | | | | |
|--------------------------------|---------------|-----|-----|---------------------------|------|---------------------------|--------------|---------------------------|------|---------------------------|-----|---------------------------|------|---------------------------|-----|
| Condensing Section | Air Handler | GPM | F/P | Water Loop | | | Ground Water | | | Ground Loop | | | | | |
| | | | | Cooling Capacity (Btu/hr) | EER | Heating Capacity (Btu/hr) | COP | Cooling Capacity (Btu/hr) | EER | Heating Capacity (Btu/hr) | COP | Cooling Capacity (Btu/hr) | EER | Heating Capacity (Btu/hr) | COP |
| GS024 | FE/V***003*** | 6 | F | 25400 | 16.5 | 28000 | 5.4 | 28400 | 25 | 23500 | 4.8 | 28600 | 19.1 | 18900 | 4.2 |
| GS024 | FB***024*** | 6 | F | 24100 | 15.2 | 29600 | 4.6 | 27100 | 22.8 | 24600 | 4.2 | 25300 | 17.7 | 19700 | 3.7 |
| GS036 | FE/V***003*** | 9 | F | 35600 | 15.2 | 45700 | 5.3 | 40600 | 22.7 | 36700 | 4.7 | 37600 | 17.7 | 26900 | 3.9 |
| GS048 | FE/V***005*** | 12 | F | 47500 | 14.9 | 57200 | 5 | 52400 | 21.7 | 47200 | 4.5 | 49400 | 17.1 | 37500 | 3.8 |
| GS060 | FE/V***006*** | 15 | F | 54600 | 14 | 61100 | 4.3 | 59000 | 19.7 | 53400 | 4 | 57100 | 16.1 | 42800 | 3.4 |
| GS072 | FE/V***006*** | 15 | F | 60200 | 13.4 | 70100 | 4.2 | 64400 | 19.2 | 60100 | 3.9 | 61600 | 15.4 | 48700 | 3.5 |
| PART LOAD – AIR HANDLER | | | | | | | | | | | | | | | |
| GS024 | FE/V***003*** | 6 | P | 18900 | 18.1 | 20900 | 5.8 | 21000 | 30.5 | 17400 | 4.9 | 20700 | 26.4 | 15700 | 4.5 |
| GS024 | FB***024*** | 6 | P | 17000 | 14.2 | 22500 | 5.4 | 21600 | 29.5 | 18700 | 4.7 | 20700 | 24.9 | 16800 | 4.3 |
| GS036 | FE/V***003*** | 9 | P | 26100 | 17.3 | 33100 | 6.3 | 29800 | 29.3 | 26100 | 5.1 | 28900 | 25.1 | 21900 | 4.5 |
| GS048 | FE/V***005*** | 12 | P | 35800 | 17 | 42400 | 5.8 | 39800 | 27.5 | 34500 | 4.8 | 38800 | 23.8 | 30700 | 4.3 |
| GS060 | FE/V***006*** | 15 | P | 41900 | 15.9 | 46300 | 4.9 | 45300 | 25 | 39400 | 4.3 | 44400 | 21.7 | 35800 | 3.9 |
| GS072 | FE/V***006*** | 15 | P | 51400 | 13.8 | 56800 | 4.5 | 55000 | 21 | 47600 | 3.9 | 55000 | 18.8 | 42700 | 3.7 |
| FULL LOAD – EVAP COIL | | | | | | | | | | | | | | | |
| GS024 | CNP**24**** | 6 | F | 24400 | 15.5 | 27700 | 4.8 | 27200 | 23.8 | 23400 | 4.3 | 25300 | 18.1 | 18900 | 3.8 |
| GS036 | CNP**36**** | 9 | F | 34900 | 14.7 | 45000 | 4.8 | 39200 | 21.7 | 36500 | 4.3 | 37000 | 17.1 | 26000 | 3.5 |
| GS048 | CNP**48**** | 12 | F | 47200 | 14.9 | 56500 | 4.8 | 52300 | 21.7 | 48600 | 4.3 | 49300 | 17.1 | 36600 | 3.6 |
| GS060 | CNP**60**** | 15 | F | 60700 | 15.1 | 74200 | 4.9 | 66500 | 21.4 | 61000 | 4.4 | 63100 | 17.4 | 48200 | 3.7 |
| GS072 | CNP**60**** | 15 | F | 64800 | 14.2 | 82400 | 4.9 | 69800 | 20.2 | 67600 | 4.3 | 66600 | 16.1 | 53700 | 3.6 |
| PART LOAD – EVAP COIL | | | | | | | | | | | | | | | |
| GS024 | CNP**24**** | 6 | P | 18200 | 17.1 | 20700 | 5.1 | 20600 | 29.1 | 17500 | 4.4 | 20100 | 24.5 | 15800 | 4 |
| GS036 | CNP**36**** | 9 | P | 25300 | 16.6 | 32900 | 5.4 | 28900 | 27.7 | 25200 | 4.4 | 27800 | 23.8 | 21000 | 3.9 |
| GS048 | CNP**48**** | 12 | P | 34900 | 16.4 | 41300 | 5.2 | 39400 | 27.3 | 33600 | 4.4 | 38200 | 23.4 | 29600 | 3.9 |
| GS060 | CNP**60**** | 15 | P | 44900 | 16.9 | 54200 | 5.4 | 49800 | 26.3 | 44700 | 4.6 | 48700 | 23.1 | 39200 | 4.1 |
| GS072 | CNP**60**** | 15 | P | 50800 | 15.2 | 65100 | 5.3 | 56300 | 24.3 | 52600 | 4.4 | 55200 | 21.1 | 46600 | 4 |

NOTE: Ratings contained in this document are subject to change at any time. Always refer to the AHRI directory (www.ahridirectory.org) for the most up-to-date ratings information.

DIMENSIONS

| Model | A | B | C | D | E | F | G | H | J | K | L | M | Water Connections (Swivel Type) |
|-------|-------|-------|--------|-----------|----------|-------------------|--------------------|---------------------|---------------------|--------------|---------|----------|---------------------------------|
| | Width | Depth | Height | Water Out | Water In | Liquid Connection | Suction Connection | Electrical Knockout | Electrical Knockout | HRP Knockout | *HRP In | *HRP Out | |
| GS024 | 24 | 27.4 | 21.5 | 12.7 | 3.7 | 3/8" @ 19.4 | 7/8" @ 17.6 | 8.6 | 13.5 | 16.8 | 6.2 | 10.1 | 1" F.P.T |
| GS036 | 24 | 27.4 | 21.5 | 15.5 | 3.5 | 3/8" @ 19.4 | 7/8" @ 17.6 | 8.6 | 13.5 | 16.8 | 6.6 | 13 | 1" F.P.T |
| GS048 | 24 | 27.4 | 21.5 | 15.5 | 3.5 | 3/8" @ 19.4 | 7/8" @ 17.6 | 8.6 | 13.5 | 16.8 | 6.6 | 13 | 1" F.P.T |
| GS060 | 27 | 33.4 | 23.3 | 15.5 | 3.7 | 3/8" @ 21.2 | 1" @ 19.4 | 9.5 | 14.4 | 17.7 | 6.6 | 12.5 | 1" F.P.T |
| GS072 | 27 | 33.4 | 23.3 | 15.5 | 3.7 | 3/8" @ 21.2 | 1" @ 19.4 | 9.5 | 14.4 | 17.7 | 6.6 | 12.5 | 1" F.P.T |



- NOTES:**
- ALL DIMENSIONS WITHIN +/- 0.125"
 - ALL DIMENSIONS ARE IN INCHES
 - SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
 - SWIVEL TYPE WATER FITTING PROTRUDES 1.5" FROM POST
 - * OPTIONAL HRP FEATURE WITH 1/2" FPT WATER CONNECTIONS

GS024 HEATING PERFORMANCE - PART LOAD

| GS024 Heating Performance – Part Load @ 650 CFM | | | | | | | | |
|-------------------------------------------------|----------------|-------------------------|-------------------|-----------------|----------------|------------------|---------|-----|
| Entering Water °F | Water flow GPM | Pressure Drop Ft. Water | Pressure Drop PSI | Heating | | | | |
| | | | | Ent. Air db, °F | Total KBtu/hr. | Ht. Abs. Btu/hr. | Unit kW | COP |
| 30 | 3 | 1.9 | 0.8 | 60 | 12.8 | 9.8 | 1.0 | 3.8 |
| | | | | 70 | 12.6 | 9.1 | 1.1 | 3.3 |
| | | | | 80 | 12.2 | 8.3 | 1.3 | 2.9 |
| | 4 | 3.3 | 1.4 | 60 | 13.5 | 10.3 | 1.0 | 4.0 |
| | | | | 70 | 12.9 | 9.5 | 1.1 | 3.4 |
| | | | | 80 | 12.7 | 8.8 | 1.3 | 3.0 |
| | 6 | 6.8 | 2.9 | 60 | 14.1 | 10.9 | 1.0 | 4.1 |
| | | | | 70 | 13.5 | 10.1 | 1.1 | 3.5 |
| | | | | 80 | 13.4 | 9.2 | 1.3 | 3.1 |
| 40 | 3 | 1.9 | 0.8 | 60 | 14.8 | 11.7 | 1.0 | 4.3 |
| | | | | 70 | 14.5 | 10.9 | 1.1 | 3.7 |
| | | | | 80 | 14.0 | 10.2 | 1.3 | 3.2 |
| | 4 | 3.2 | 1.4 | 60 | 15.4 | 12.4 | 1.0 | 4.4 |
| | | | | 70 | 15.0 | 11.5 | 1.1 | 3.8 |
| | | | | 80 | 14.8 | 10.7 | 1.3 | 3.4 |
| | 6 | 6.5 | 2.8 | 60 | 16.2 | 13.1 | 1.0 | 4.6 |
| | | | | 70 | 15.9 | 12.3 | 1.1 | 4.1 |
| | | | | 80 | 15.3 | 11.4 | 1.3 | 3.5 |
| 50 | 3 | 1.7 | 0.7 | 60 | 17.4 | 14.3 | 1.0 | 4.9 |
| | | | | 70 | 17.0 | 13.4 | 1.2 | 4.3 |
| | | | | 80 | 16.7 | 12.6 | 1.3 | 3.8 |
| | 4 | 2.9 | 1.2 | 60 | 18.3 | 15.0 | 1.0 | 5.2 |
| | | | | 70 | 17.7 | 14.1 | 1.2 | 4.5 |
| | | | | 80 | 17.2 | 13.3 | 1.3 | 3.9 |
| | 6 | 5.9 | 2.6 | 60 | 19.1 | 15.9 | 1.0 | 5.4 |
| | | | | 70 | 18.6 | 14.9 | 1.2 | 4.7 |
| | | | | 80 | 18.0 | 14.0 | 1.3 | 4.1 |
| 60 | 3 | 1.6 | 0.7 | 60 | 19.7 | 16.5 | 1.0 | 5.5 |
| | | | | 70 | 19.3 | 15.6 | 1.2 | 4.9 |
| | | | | 80 | 18.8 | 14.7 | 1.3 | 4.2 |
| | 4 | 2.8 | 1.2 | 60 | 20.8 | 17.5 | 1.0 | 5.8 |
| | | | | 70 | 20.3 | 16.5 | 1.2 | 5.1 |
| | | | | 80 | 19.6 | 15.5 | 1.3 | 4.4 |
| | 6 | 5.7 | 2.5 | 60 | 21.8 | 18.5 | 1.1 | 6.1 |
| | | | | 70 | 21.2 | 17.4 | 1.2 | 5.3 |
| | | | | 80 | 20.7 | 16.5 | 1.3 | 4.6 |
| 70 | 3 | 1.6 | 0.7 | 60 | 22.2 | 18.9 | 1.1 | 6.2 |
| | | | | 70 | 21.6 | 17.9 | 1.2 | 5.4 |
| | | | | 80 | 21.1 | 17.0 | 1.3 | 4.7 |
| | 4 | 2.7 | 1.2 | 60 | 23.2 | 20.0 | 1.1 | 6.5 |
| | | | | 70 | 22.7 | 19.0 | 1.2 | 5.6 |
| | | | | 80 | 22.0 | 17.9 | 1.3 | 4.9 |
| | 6 | 5.5 | 2.4 | 60 | 24.4 | 21.2 | 1.1 | 6.8 |
| | | | | 70 | 23.8 | 20.1 | 1.2 | 5.9 |
| | | | | 80 | 23.2 | 19.0 | 1.3 | 5.1 |
| 80 | 3 | 1.5 | 0.7 | 60 | 24.6 | 21.2 | 1.1 | 6.8 |
| | | | | 70 | 23.9 | 20.2 | 1.2 | 5.9 |
| | | | | 80 | 23.4 | 19.2 | 1.3 | 5.2 |
| | 4 | 2.6 | 1.1 | 60 | 25.8 | 22.6 | 1.1 | 7.1 |
| | | | | 70 | 25.1 | 21.4 | 1.2 | 6.2 |
| | | | | 80 | 24.4 | 20.3 | 1.3 | 5.4 |
| | 6 | 5.4 | 2.3 | 60 | 27.3 | 24.0 | 1.1 | 7.5 |
| | | | | 70 | 26.5 | 22.7 | 1.2 | 6.5 |
| | | | | 80 | 25.7 | 21.5 | 1.3 | 5.6 |

GS024 HEATING PERFORMANCE - FULL LOAD

| GS024 Heating Performance – Full Load @ 850 CFM | | | | | | | | |
|-------------------------------------------------|----------------|-------------------------|-------------------|-----------------|----------------|------------------|---------|-----|
| Entering Water °F | Water flow GPM | Pressure Drop Ft. Water | Pressure Drop PSI | Heating | | | | |
| | | | | Ent. Air db, °F | Total KBtu/hr. | Ht. Abs. Btu/hr. | Unit kW | COP |
| 30 | 3 | 1.9 | 0.8 | 60 | 17.8 | 13.6 | 1.3 | 4.0 |
| | | | | 70 | 17.3 | 12.8 | 1.4 | 3.5 |
| | | | | 80 | 17.2 | 12.0 | 1.6 | 3.2 |
| | 4 | 3.3 | 1.4 | 60 | 18.5 | 14.3 | 1.3 | 4.1 |
| | | | | 70 | 18.0 | 13.5 | 1.5 | 3.6 |
| | | | | 80 | 17.8 | 12.6 | 1.6 | 3.3 |
| | 6 | 6.8 | 2.9 | 60 | 19.5 | 15.2 | 1.3 | 4.3 |
| | | | | 70 | 18.9 | 14.3 | 1.5 | 3.8 |
| | | | | 80 | 18.4 | 13.3 | 1.6 | 3.3 |
| 40 | 3 | 1.9 | 0.8 | 60 | 19.9 | 15.7 | 1.4 | 4.3 |
| | | | | 70 | 19.6 | 14.8 | 1.5 | 3.9 |
| | | | | 80 | 19.1 | 14.0 | 1.6 | 3.4 |
| | 4 | 3.2 | 1.4 | 60 | 20.9 | 16.6 | 1.4 | 4.5 |
| | | | | 70 | 20.5 | 15.7 | 1.5 | 4.0 |
| | | | | 80 | 20.0 | 14.8 | 1.6 | 3.6 |
| | 6 | 6.5 | 2.8 | 60 | 22.2 | 17.7 | 1.4 | 4.7 |
| | | | | 70 | 21.7 | 16.8 | 1.5 | 4.2 |
| | | | | 80 | 21.0 | 15.8 | 1.7 | 3.7 |
| 50 | 3 | 1.7 | 0.7 | 60 | 23.2 | 18.7 | 1.4 | 4.8 |
| | | | | 70 | 22.7 | 17.8 | 1.5 | 4.3 |
| | | | | 80 | 22.5 | 16.9 | 1.7 | 3.9 |
| | 4 | 2.9 | 1.2 | 60 | 24.4 | 19.9 | 1.4 | 5.0 |
| | | | | 70 | 23.8 | 18.9 | 1.6 | 4.5 |
| | | | | 80 | 23.5 | 17.9 | 1.7 | 4.0 |
| | 6 | 5.9 | 2.6 | 60 | 25.8 | 21.2 | 1.5 | 5.2 |
| | | | | 70 | 25.2 | 20.0 | 1.6 | 4.7 |
| | | | | 80 | 24.7 | 19.0 | 1.7 | 4.2 |
| 60 | 3 | 1.6 | 0.7 | 60 | 26.1 | 21.5 | 1.5 | 5.2 |
| | | | | 70 | 25.6 | 20.4 | 1.6 | 4.7 |
| | | | | 80 | 25.2 | 19.5 | 1.7 | 4.2 |
| | 4 | 2.8 | 1.2 | 60 | 27.5 | 22.8 | 1.5 | 5.4 |
| | | | | 70 | 26.8 | 21.7 | 1.6 | 4.9 |
| | | | | 80 | 26.3 | 20.7 | 1.8 | 4.4 |
| | 6 | 5.7 | 2.5 | 60 | 29.2 | 24.3 | 1.5 | 5.7 |
| | | | | 70 | 28.5 | 23.2 | 1.6 | 5.1 |
| | | | | 80 | 27.7 | 22.0 | 1.8 | 4.5 |
| 70 | 3 | 1.6 | 0.7 | 60 | 29.1 | 24.3 | 1.5 | 5.7 |
| | | | | 70 | 28.5 | 23.3 | 1.6 | 5.1 |
| | | | | 80 | 27.9 | 22.2 | 1.8 | 4.6 |
| | 4 | 2.7 | 1.2 | 60 | 30.9 | 25.9 | 1.5 | 5.9 |
| | | | | 70 | 30.1 | 24.7 | 1.7 | 5.3 |
| | | | | 80 | 29.4 | 23.5 | 1.8 | 4.7 |
| | 6 | 5.5 | 2.4 | 60 | 32.8 | 27.8 | 1.6 | 6.1 |
| | | | | 70 | 32.0 | 26.4 | 1.7 | 5.5 |
| | | | | 80 | 31.2 | 25.1 | 1.9 | 4.9 |
| 80 | 3 | 1.5 | 0.7 | 60 | 32.2 | 27.3 | 1.6 | 6.0 |
| | | | | 70 | 31.6 | 26.0 | 1.7 | 5.4 |
| | | | | 80 | 31.1 | 24.9 | 1.9 | 4.9 |
| | 4 | 2.6 | 1.1 | 60 | 34.2 | 29.2 | 1.6 | 6.3 |
| | | | | 70 | 33.4 | 27.9 | 1.7 | 5.7 |
| | | | | 80 | 32.6 | 26.6 | 1.9 | 5.1 |
| | 6 | 5.4 | 2.3 | 60 | 36.5 | 31.3 | 1.6 | 6.6 |
| | | | | 70 | 35.6 | 29.9 | 1.8 | 5.9 |
| | | | | 80 | 34.8 | 28.4 | 1.9 | 5.3 |

GS024 COOLING PERFORMANCE - PART LOAD

| GS024 Cooling Performance – Part Load @ 650 CFM | | | | | | | | | |
|-------------------------------------------------|----------------|-------------------------|-------------------|--------------------|----------------|-------------------|-------------------|---------|------|
| Entering Water °F | Water flow GPM | Pressure Drop Ft. Water | Pressure Drop PSI | Cooling | | | | | |
| | | | | Ent. Air db/wb, °F | Total kBtu/hr. | Sensible kBtu/hr. | Ht. Rej. kBtu/hr. | Unit kW | EER |
| 50 | 3 | 1.7 | 0.7 | 75/63 | 21.0 | 16.3 | 23.5 | 0.8 | 27.0 |
| | | | | 80/67 | 22.4 | 16.9 | 24.9 | 0.8 | 29.1 |
| | | | | 85/71 | 23.9 | 17.4 | 26.4 | 0.8 | 31.5 |
| | 4 | 2.9 | 1.2 | 75/63 | 21.4 | 16.4 | 23.8 | 0.7 | 28.7 |
| | | | | 80/67 | 22.8 | 17.1 | 25.2 | 0.7 | 31.0 |
| | | | | 85/71 | 24.4 | 17.6 | 26.8 | 0.7 | 33.6 |
| | 6 | 5.9 | 2.6 | 75/63 | 21.8 | 16.6 | 24.1 | 0.7 | 30.4 |
| | | | | 80/67 | 23.3 | 17.3 | 25.6 | 0.7 | 33.0 |
| | | | | 85/71 | 24.9 | 17.8 | 27.2 | 0.7 | 35.9 |
| 60 | 3 | 1.6 | 0.7 | 75/63 | 20.0 | 15.9 | 22.7 | 0.9 | 23.1 |
| | | | | 80/67 | 21.4 | 16.4 | 24.1 | 0.9 | 24.9 |
| | | | | 85/71 | 22.8 | 17.0 | 25.5 | 0.8 | 26.9 |
| | 4 | 2.8 | 1.2 | 75/63 | 20.3 | 16.1 | 23.0 | 0.8 | 24.5 |
| | | | | 80/67 | 21.8 | 16.6 | 24.4 | 0.8 | 26.5 |
| | | | | 85/71 | 23.2 | 17.3 | 25.8 | 0.8 | 28.7 |
| | 6 | 5.7 | 2.5 | 75/63 | 20.7 | 16.2 | 23.3 | 0.8 | 26.0 |
| | | | | 80/67 | 22.2 | 16.8 | 24.7 | 0.8 | 28.3 |
| | | | | 85/71 | 23.7 | 17.4 | 26.2 | 0.8 | 30.7 |
| 70 | 3 | 1.6 | 0.7 | 75/63 | 19.0 | 15.5 | 22.0 | 1.0 | 19.6 |
| | | | | 80/67 | 20.3 | 16.1 | 23.3 | 1.0 | 21.1 |
| | | | | 85/71 | 21.6 | 16.7 | 24.6 | 1.0 | 22.7 |
| | 4 | 2.7 | 1.2 | 75/63 | 19.3 | 15.6 | 22.2 | 0.9 | 20.7 |
| | | | | 80/67 | 20.7 | 16.3 | 23.5 | 0.9 | 22.4 |
| | | | | 85/71 | 22.1 | 16.9 | 24.9 | 0.9 | 24.2 |
| | 6 | 5.5 | 2.4 | 75/63 | 19.6 | 15.8 | 22.4 | 0.9 | 21.9 |
| | | | | 80/67 | 21.1 | 16.4 | 23.8 | 0.9 | 23.8 |
| | | | | 85/71 | 22.5 | 16.9 | 25.3 | 0.9 | 25.9 |
| 80 | 3 | 1.5 | 0.7 | 75/63 | 18.0 | 15.0 | 21.3 | 1.1 | 16.5 |
| | | | | 80/67 | 19.2 | 15.7 | 22.5 | 1.1 | 17.7 |
| | | | | 85/71 | 20.5 | 16.2 | 23.9 | 1.1 | 19.1 |
| | 4 | 2.6 | 1.1 | 75/63 | 18.3 | 15.2 | 21.5 | 1.0 | 17.4 |
| | | | | 80/67 | 19.6 | 15.8 | 22.8 | 1.0 | 18.8 |
| | | | | 85/71 | 20.9 | 16.4 | 24.1 | 1.0 | 20.3 |
| | 6 | 5.4 | 2.3 | 75/63 | 18.6 | 15.3 | 21.7 | 1.0 | 18.3 |
| | | | | 80/67 | 19.9 | 15.9 | 23.0 | 1.0 | 19.9 |
| | | | | 85/71 | 21.3 | 16.6 | 24.4 | 1.0 | 21.6 |
| 85 | 3 | 1.5 | 0.7 | 75/63 | 17.4 | 14.8 | 21.0 | 1.2 | 15.1 |
| | | | | 80/67 | 18.6 | 15.5 | 22.2 | 1.1 | 16.2 |
| | | | | 85/71 | 19.9 | 16.1 | 23.4 | 1.1 | 17.4 |
| | 4 | 2.5 | 1.1 | 75/63 | 17.8 | 14.9 | 21.2 | 1.1 | 15.9 |
| | | | | 80/67 | 19.0 | 15.6 | 22.4 | 1.1 | 17.2 |
| | | | | 85/71 | 20.3 | 16.2 | 23.7 | 1.1 | 18.5 |
| | 6 | 5.3 | 2.3 | 75/63 | 18.1 | 15.1 | 21.3 | 1.1 | 16.8 |
| | | | | 80/67 | 19.3 | 15.7 | 22.6 | 1.1 | 18.2 |
| | | | | 85/71 | 20.7 | 16.3 | 24.0 | 1.1 | 19.7 |
| 90 | 3 | 1.5 | 0.6 | 75/63 | 16.9 | 14.6 | 20.6 | 1.2 | 13.8 |
| | | | | 80/67 | 18.1 | 15.3 | 21.8 | 1.2 | 14.8 |
| | | | | 85/71 | 19.4 | 15.8 | 23.1 | 1.2 | 15.9 |
| | 4 | 2.5 | 1.1 | 75/63 | 17.2 | 14.7 | 20.8 | 1.2 | 14.6 |
| | | | | 80/67 | 18.4 | 15.4 | 22.0 | 1.2 | 15.7 |
| | | | | 85/71 | 19.7 | 15.9 | 23.3 | 1.2 | 16.9 |
| | 6 | 5.2 | 2.3 | 75/63 | 17.5 | 14.8 | 21.0 | 1.1 | 15.3 |
| | | | | 80/67 | 18.8 | 15.5 | 22.3 | 1.1 | 16.5 |
| | | | | 85/71 | 20.1 | 16.1 | 23.6 | 1.1 | 17.9 |
| 100 | 3 | 1.4 | 0.6 | 75/63 | 15.9 | 14.2 | 20.0 | 1.4 | 11.5 |
| | | | | 80/67 | 17.0 | 14.8 | 21.2 | 1.4 | 12.4 |
| | | | | 85/71 | 18.2 | 15.4 | 22.4 | 1.4 | 13.2 |
| | 4 | 2.4 | 1.1 | 75/63 | 16.1 | 14.3 | 20.2 | 1.3 | 12.1 |
| | | | | 80/67 | 17.3 | 14.9 | 21.4 | 1.3 | 13.0 |
| | | | | 85/71 | 18.5 | 15.5 | 22.6 | 1.3 | 14.0 |
| | 6 | 5.0 | 2.2 | 75/63 | 16.4 | 14.5 | 20.3 | 1.3 | 12.6 |
| | | | | 80/67 | 17.6 | 15.0 | 21.5 | 1.3 | 13.7 |
| | | | | 85/71 | 18.9 | 15.6 | 22.8 | 1.3 | 14.8 |
| 110 | 3 | 1.4 | 0.6 | 75/63 | 14.7 | 13.8 | 19.4 | 1.5 | 9.5 |
| | | | | 80/67 | 15.8 | 14.4 | 20.5 | 1.6 | 10.2 |
| | | | | 85/71 | 16.9 | 15.1 | 21.7 | 1.6 | 10.9 |
| | 4 | 2.4 | 1.0 | 75/63 | 15.0 | 13.8 | 19.5 | 1.5 | 10.0 |
| | | | | 80/67 | 16.1 | 14.5 | 20.7 | 1.5 | 10.7 |
| | | | | 85/71 | 17.3 | 15.2 | 21.8 | 1.5 | 11.5 |
| | 6 | 4.9 | 2.1 | 75/63 | 15.3 | 13.9 | 19.7 | 1.5 | 10.4 |
| | | | | 80/67 | 16.4 | 14.6 | 20.8 | 1.5 | 11.2 |
| | | | | 85/71 | 17.6 | 15.2 | 22.1 | 1.5 | 12.1 |

GS024 COOLING PERFORMANCE - FULL LOAD

| GS024 Cooling Performance - Full Load @ 700 CFM | | | | | | | | | |
|-------------------------------------------------|----------------|-------------------------|-------------------|--------------------|----------------|-------------------|-------------------|---------|------|
| Entering Water °F | Water flow GPM | Pressure Drop Ft. Water | Pressure Drop PSI | Cooling | | | | | |
| | | | | Ent. Air db/wb, °F | Total kBTu/hr. | Sensible kBTu/hr. | Ht. Rej. kBTu/hr. | Unit kW | EER |
| 50 | 3 | 1.7 | 0.7 | 75/63 | 26.7 | 19.3 | 30.7 | 1.3 | 21.1 |
| | | | | 80/67 | 28.4 | 19.9 | 32.6 | 1.3 | 22.1 |
| | | | | 85/71 | 30.3 | 20.4 | 34.6 | 1.3 | 23.1 |
| | 4 | 2.9 | 1.2 | 75/63 | 27.2 | 19.5 | 31.1 | 1.2 | 22.5 |
| | | | | 80/67 | 29.0 | 20.1 | 33.0 | 1.2 | 23.7 |
| | | | | 85/71 | 31.0 | 20.7 | 35.1 | 1.2 | 24.8 |
| | 6 | 5.9 | 2.6 | 75/63 | 27.7 | 19.7 | 31.5 | 1.2 | 24.1 |
| | | | | 80/67 | 29.6 | 20.4 | 33.5 | 1.2 | 25.4 |
| | | | | 85/71 | 31.6 | 20.9 | 35.5 | 1.2 | 26.8 |
| 60 | 3 | 1.6 | 0.7 | 75/63 | 25.6 | 18.8 | 30.0 | 1.4 | 18.5 |
| | | | | 80/67 | 27.3 | 19.4 | 31.8 | 1.4 | 19.4 |
| | | | | 85/71 | 29.1 | 19.9 | 33.7 | 1.4 | 20.4 |
| | 4 | 2.8 | 1.2 | 75/63 | 26.1 | 19.0 | 30.3 | 1.3 | 19.6 |
| | | | | 80/67 | 27.9 | 19.6 | 32.2 | 1.3 | 20.7 |
| | | | | 85/71 | 29.7 | 20.2 | 34.1 | 1.4 | 21.8 |
| | 6 | 5.7 | 2.5 | 75/63 | 26.6 | 19.2 | 30.7 | 1.3 | 20.8 |
| | | | | 80/67 | 28.4 | 19.8 | 32.6 | 1.3 | 22.0 |
| | | | | 85/71 | 30.4 | 20.4 | 34.6 | 1.3 | 23.3 |
| 70 | 3 | 1.6 | 0.7 | 75/63 | 24.4 | 18.3 | 29.2 | 1.5 | 16.3 |
| | | | | 80/67 | 26.1 | 18.9 | 31.0 | 1.5 | 17.1 |
| | | | | 85/71 | 27.8 | 19.5 | 32.7 | 1.5 | 17.9 |
| | 4 | 2.7 | 1.2 | 75/63 | 24.9 | 18.5 | 29.5 | 1.5 | 17.2 |
| | | | | 80/67 | 26.6 | 19.1 | 31.3 | 1.5 | 18.1 |
| | | | | 85/71 | 28.4 | 19.7 | 33.2 | 1.5 | 19.1 |
| | 6 | 5.5 | 2.4 | 75/63 | 25.3 | 18.8 | 29.8 | 1.4 | 18.1 |
| | | | | 80/67 | 27.1 | 19.3 | 31.7 | 1.4 | 19.2 |
| | | | | 85/71 | 29.0 | 19.8 | 33.7 | 1.4 | 20.3 |
| 80 | 3 | 1.5 | 0.7 | 75/63 | 23.3 | 17.8 | 28.4 | 1.6 | 14.2 |
| | | | | 80/67 | 24.9 | 18.3 | 30.1 | 1.7 | 15.0 |
| | | | | 85/71 | 26.5 | 19.1 | 31.9 | 1.7 | 15.7 |
| | 4 | 2.6 | 1.1 | 75/63 | 23.7 | 18.0 | 28.7 | 1.6 | 15.0 |
| | | | | 80/67 | 25.4 | 18.6 | 30.5 | 1.6 | 15.8 |
| | | | | 85/71 | 27.1 | 19.3 | 32.2 | 1.6 | 16.7 |
| | 6 | 5.4 | 2.3 | 75/63 | 24.1 | 18.2 | 29.0 | 1.5 | 15.7 |
| | | | | 80/67 | 25.9 | 18.8 | 30.8 | 1.6 | 16.7 |
| | | | | 85/71 | 27.6 | 19.5 | 32.6 | 1.6 | 17.7 |
| 85 | 3 | 1.5 | 0.7 | 75/63 | 22.7 | 17.5 | 28.1 | 1.7 | 13.2 |
| | | | | 80/67 | 24.3 | 18.1 | 29.8 | 1.7 | 14.0 |
| | | | | 85/71 | 25.9 | 18.7 | 31.5 | 1.8 | 14.7 |
| | 4 | 2.5 | 1.1 | 75/63 | 23.1 | 17.7 | 28.4 | 1.7 | 14.0 |
| | | | | 80/67 | 24.8 | 18.3 | 30.1 | 1.7 | 14.8 |
| | | | | 85/71 | 26.4 | 18.9 | 31.8 | 1.7 | 15.6 |
| | 6 | 5.3 | 2.3 | 75/63 | 23.5 | 17.9 | 28.6 | 1.6 | 14.6 |
| | | | | 80/67 | 25.2 | 18.5 | 30.4 | 1.6 | 15.5 |
| | | | | 85/71 | 26.9 | 19.2 | 32.1 | 1.6 | 16.5 |
| 90 | 3 | 1.5 | 0.6 | 75/63 | 22.1 | 17.3 | 27.7 | 1.8 | 12.3 |
| | | | | 80/67 | 23.6 | 17.9 | 29.3 | 1.8 | 13.0 |
| | | | | 85/71 | 25.2 | 18.4 | 31.1 | 1.8 | 13.7 |
| | 4 | 2.5 | 1.1 | 75/63 | 22.5 | 17.4 | 28.0 | 1.7 | 13.0 |
| | | | | 80/67 | 24.1 | 18.1 | 29.6 | 1.8 | 13.7 |
| | | | | 85/71 | 25.8 | 18.6 | 31.4 | 1.8 | 14.5 |
| | 6 | 5.2 | 2.3 | 75/63 | 22.9 | 17.6 | 28.2 | 1.7 | 13.5 |
| | | | | 80/67 | 24.5 | 18.3 | 29.9 | 1.7 | 14.4 |
| | | | | 85/71 | 26.3 | 18.8 | 31.7 | 1.7 | 15.3 |
| 100 | 3 | 1.4 | 0.6 | 75/63 | 20.9 | 16.7 | 27.1 | 2.0 | 10.6 |
| | | | | 80/67 | 22.4 | 17.5 | 28.7 | 2.0 | 11.2 |
| | | | | 85/71 | 23.9 | 18.0 | 30.3 | 2.0 | 11.9 |
| | 4 | 2.4 | 1.1 | 75/63 | 21.3 | 16.9 | 27.3 | 1.9 | 11.1 |
| | | | | 80/67 | 22.8 | 17.6 | 28.9 | 1.9 | 11.8 |
| | | | | 85/71 | 24.4 | 18.2 | 30.6 | 2.0 | 12.5 |
| | 6 | 5.0 | 2.2 | 75/63 | 21.6 | 17.1 | 27.4 | 1.9 | 11.6 |
| | | | | 80/67 | 23.2 | 17.7 | 29.1 | 1.9 | 12.3 |
| | | | | 85/71 | 24.8 | 18.5 | 30.8 | 1.9 | 13.2 |
| 110 | 3 | 1.4 | 0.6 | 75/63 | 19.7 | 16.3 | 26.6 | 2.2 | 9.0 |
| | | | | 80/67 | 21.2 | 16.9 | 28.1 | 2.2 | 9.6 |
| | | | | 85/71 | 22.6 | 17.7 | 29.7 | 2.2 | 10.1 |
| | 4 | 2.4 | 1.0 | 75/63 | 20.1 | 16.5 | 26.7 | 2.1 | 9.4 |
| | | | | 80/67 | 21.6 | 17.0 | 28.3 | 2.1 | 10.1 |
| | | | | 85/71 | 23.1 | 17.8 | 29.9 | 2.2 | 10.7 |
| | 6 | 4.9 | 2.1 | 75/63 | 20.4 | 16.7 | 26.8 | 2.1 | 9.9 |
| | | | | 80/67 | 21.8 | 16.9 | 28.4 | 2.1 | 10.3 |
| | | | | 85/71 | 23.4 | 18.3 | 30.0 | 2.1 | 11.3 |

GS036 HEATING PERFORMANCE - PART LOAD

| GS036 Heating Performance – Part Load @ 1025 CFM | | | | | | | | |
|--------------------------------------------------|----------------|-------------------------|-------------------|-----------------|----------------|------------------|---------|-----|
| Entering Water °F | Water flow GPM | Pressure Drop Ft. Water | Pressure Drop PSI | Heating | | | | |
| | | | | Ent. Air db, °F | Total KBtu/hr. | Ht. Abs. Btu/hr. | Unit kW | COP |
| 30 | 4.5 | 3.6 | 1.6 | 60 | 19.7 | 14.6 | 1.5 | 3.8 |
| | | | | 70 | 19.2 | 13.6 | 1.7 | 3.3 |
| | | | | 80 | 18.9 | 12.5 | 1.9 | 2.9 |
| | 6 | 6.1 | 2.7 | 60 | 20.3 | 15.2 | 1.5 | 3.9 |
| | | | | 70 | 19.7 | 14.1 | 1.7 | 3.4 |
| | | | | 80 | 19.3 | 13.0 | 1.9 | 3.0 |
| | 9 | 12.7 | 5.5 | 60 | 20.9 | 15.8 | 1.5 | 4.0 |
| | | | | 70 | 20.3 | 14.6 | 1.7 | 3.5 |
| | | | | 80 | 19.9 | 13.5 | 1.9 | 3.1 |
| 40 | 4.5 | 3.5 | 1.5 | 60 | 22.9 | 17.7 | 1.5 | 4.4 |
| | | | | 70 | 22.2 | 16.5 | 1.7 | 3.8 |
| | | | | 80 | 21.8 | 15.4 | 1.9 | 3.4 |
| | 6 | 5.9 | 2.6 | 60 | 23.5 | 18.4 | 1.5 | 4.5 |
| | | | | 70 | 22.8 | 17.2 | 1.7 | 3.9 |
| | | | | 80 | 22.4 | 16.0 | 1.9 | 3.4 |
| | 9 | 12.3 | 5.3 | 60 | 24.3 | 19.2 | 1.5 | 4.6 |
| | | | | 70 | 23.7 | 17.9 | 1.7 | 4.1 |
| | | | | 80 | 23.0 | 16.6 | 1.9 | 3.5 |
| 50 | 4.5 | 3.2 | 1.4 | 60 | 26.5 | 21.4 | 1.6 | 5.0 |
| | | | | 70 | 25.9 | 20.1 | 1.7 | 4.4 |
| | | | | 80 | 25.0 | 18.9 | 1.9 | 3.8 |
| | 6 | 5.4 | 2.3 | 60 | 27.4 | 22.3 | 1.6 | 5.2 |
| | | | | 70 | 26.7 | 20.9 | 1.7 | 4.5 |
| | | | | 80 | 26.0 | 19.4 | 1.9 | 4.0 |
| | 9 | 11.1 | 4.8 | 60 | 28.4 | 23.2 | 1.6 | 5.3 |
| | | | | 70 | 27.5 | 21.8 | 1.7 | 4.7 |
| | | | | 80 | 26.7 | 20.1 | 1.9 | 4.1 |
| 60 | 4.5 | 3.1 | 1.3 | 60 | 30.1 | 24.9 | 1.6 | 5.6 |
| | | | | 70 | 29.3 | 23.5 | 1.7 | 4.9 |
| | | | | 80 | 28.6 | 22.0 | 1.9 | 4.3 |
| | 6 | 5.2 | 2.2 | 60 | 31.3 | 25.9 | 1.6 | 5.8 |
| | | | | 70 | 30.3 | 24.5 | 1.7 | 5.1 |
| | | | | 80 | 29.5 | 22.8 | 2.0 | 4.4 |
| | 9 | 10.7 | 4.6 | 60 | 32.3 | 27.2 | 1.6 | 6.0 |
| | | | | 70 | 31.4 | 25.5 | 1.8 | 5.2 |
| | | | | 80 | 30.4 | 23.7 | 2.0 | 4.6 |
| 70 | 4.5 | 3.0 | 1.3 | 60 | 33.8 | 28.7 | 1.6 | 6.3 |
| | | | | 70 | 32.9 | 27.1 | 1.8 | 5.5 |
| | | | | 80 | 32.0 | 25.4 | 2.0 | 4.8 |
| | 6 | 5.0 | 2.2 | 60 | 35.1 | 29.9 | 1.6 | 6.5 |
| | | | | 70 | 34.1 | 28.3 | 1.8 | 5.7 |
| | | | | 80 | 33.1 | 26.5 | 2.0 | 4.9 |
| | 9 | 10.4 | 4.5 | 60 | 36.4 | 31.3 | 1.6 | 6.8 |
| | | | | 70 | 35.3 | 29.6 | 1.8 | 5.9 |
| | | | | 80 | 34.4 | 27.6 | 2.0 | 5.1 |
| 80 | 4.5 | 2.9 | 1.2 | 60 | 37.7 | 32.5 | 1.6 | 7.0 |
| | | | | 70 | 36.6 | 30.9 | 1.8 | 6.1 |
| | | | | 80 | 35.8 | 29.0 | 2.0 | 5.3 |
| | 6 | 4.8 | 2.1 | 60 | 39.1 | 34.0 | 1.6 | 7.3 |
| | | | | 70 | 38.0 | 32.3 | 1.8 | 6.3 |
| | | | | 80 | 37.0 | 30.3 | 2.0 | 5.5 |
| | 9 | 10.1 | 4.4 | 60 | 40.7 | 35.6 | 1.6 | 7.6 |
| | | | | 70 | 39.4 | 33.8 | 1.8 | 6.5 |
| | | | | 80 | 38.3 | 31.6 | 2.0 | 5.7 |

GS036 HEATING PERFORMANCE - FULL LOAD

| GS036 Heating Performance – Full Load @ 1250 CFM | | | | | | | | |
|--------------------------------------------------|----------------|-------------------------|-------------------|-----------------|----------------|------------------|---------|-----|
| Entering Water °F | Water flow GPM | Pressure Drop Ft. Water | Pressure Drop PSI | Heating | | | | |
| | | | | Ent. Air db, °F | Total KBtu/hr. | Ht. Abs. Btu/hr. | Unit kW | COP |
| 30 | 4.5 | 3.6 | 1.6 | 60 | 27.7 | 20.5 | 2.1 | 3.8 |
| | | | | 70 | 27.4 | 19.4 | 2.4 | 3.4 |
| | | | | 80 | 26.9 | 18.3 | 2.6 | 3.0 |
| | 6 | 6.1 | 2.7 | 60 | 28.7 | 21.4 | 2.2 | 3.9 |
| | | | | 70 | 28.3 | 20.2 | 2.4 | 3.5 |
| | | | | 80 | 27.7 | 19.1 | 2.6 | 3.1 |
| | 9 | 12.7 | 5.5 | 60 | 29.8 | 22.5 | 2.2 | 4.0 |
| | | | | 70 | 29.3 | 21.2 | 2.4 | 3.6 |
| | | | | 80 | 28.8 | 19.9 | 2.6 | 3.2 |
| 40 | 4.5 | 3.5 | 1.5 | 60 | 31.5 | 24.0 | 2.2 | 4.2 |
| | | | | 70 | 31.0 | 22.8 | 2.4 | 3.7 |
| | | | | 80 | 30.4 | 21.6 | 2.7 | 3.3 |
| | 6 | 5.9 | 2.6 | 60 | 32.7 | 25.2 | 2.2 | 4.3 |
| | | | | 70 | 32.2 | 23.9 | 2.5 | 3.8 |
| | | | | 80 | 31.7 | 22.5 | 2.7 | 3.4 |
| | 9 | 12.3 | 5.3 | 60 | 34.1 | 26.5 | 2.3 | 4.4 |
| | | | | 70 | 33.4 | 25.0 | 2.5 | 3.9 |
| | | | | 80 | 32.8 | 23.6 | 2.7 | 3.5 |
| 50 | 4.5 | 3.2 | 1.4 | 60 | 36.2 | 28.6 | 2.3 | 4.6 |
| | | | | 70 | 35.5 | 27.2 | 2.5 | 4.1 |
| | | | | 80 | 34.9 | 25.7 | 2.8 | 3.7 |
| | 6 | 5.4 | 2.3 | 60 | 37.7 | 29.9 | 2.3 | 4.7 |
| | | | | 70 | 36.9 | 28.6 | 2.5 | 4.3 |
| | | | | 80 | 36.1 | 26.9 | 2.8 | 3.8 |
| | 9 | 11.1 | 4.8 | 60 | 39.4 | 31.3 | 2.4 | 4.9 |
| | | | | 70 | 38.4 | 29.9 | 2.6 | 4.4 |
| | | | | 80 | 37.7 | 28.2 | 2.8 | 3.9 |
| 60 | 4.5 | 3.1 | 1.3 | 60 | 40.7 | 32.8 | 2.4 | 5.0 |
| | | | | 70 | 39.9 | 31.4 | 2.6 | 4.5 |
| | | | | 80 | 39.1 | 29.9 | 2.8 | 4.0 |
| | 6 | 5.2 | 2.2 | 60 | 42.5 | 34.5 | 2.4 | 5.2 |
| | | | | 70 | 41.6 | 32.8 | 2.6 | 4.6 |
| | | | | 80 | 40.8 | 31.2 | 2.9 | 4.2 |
| | 9 | 10.7 | 4.6 | 60 | 44.5 | 36.1 | 2.4 | 5.3 |
| | | | | 70 | 43.3 | 34.5 | 2.7 | 4.8 |
| | | | | 80 | 42.4 | 32.7 | 2.9 | 4.3 |
| 70 | 4.5 | 3.0 | 1.3 | 60 | 45.4 | 37.2 | 2.5 | 5.4 |
| | | | | 70 | 44.5 | 35.6 | 2.7 | 4.9 |
| | | | | 80 | 43.6 | 34.0 | 2.9 | 4.4 |
| | 6 | 5.0 | 2.2 | 60 | 47.5 | 39.2 | 2.5 | 5.6 |
| | | | | 70 | 46.4 | 37.4 | 2.7 | 5.0 |
| | | | | 80 | 45.4 | 35.7 | 3.0 | 4.5 |
| | 9 | 10.4 | 4.5 | 60 | 49.9 | 41.1 | 2.6 | 5.7 |
| | | | | 70 | 48.5 | 39.4 | 2.8 | 5.2 |
| | | | | 80 | 47.5 | 37.2 | 3.0 | 4.7 |
| 80 | 4.5 | 2.9 | 1.2 | 60 | 50.3 | 41.8 | 2.6 | 5.8 |
| | | | | 70 | 49.4 | 39.9 | 2.8 | 5.2 |
| | | | | 80 | 48.3 | 38.2 | 3.0 | 4.7 |
| | 6 | 4.8 | 2.1 | 60 | 52.7 | 44.1 | 2.6 | 5.9 |
| | | | | 70 | 51.5 | 42.1 | 2.8 | 5.4 |
| | | | | 80 | 50.5 | 39.9 | 3.1 | 4.8 |
| | 9 | 10.1 | 4.4 | 60 | 55.3 | 46.6 | 2.7 | 6.1 |
| | | | | 70 | 54.0 | 44.1 | 2.9 | 5.5 |
| | | | | 80 | 52.7 | 42.0 | 3.1 | 5.0 |

GS036 COOLING PERFORMANCE - PART LOAD

| GS036 Cooling Performance – Part Load @ 1025 CFM | | | | | | | | | |
|--------------------------------------------------|----------------|-------------------------|-------------------|--------------------|----------------|-------------------|-------------------|---------|------|
| Entering Water °F | Water flow GPM | Pressure Drop Ft. Water | Pressure Drop PSI | Cooling | | | | | |
| | | | | Ent. Air db/wb, °F | Total kBtu/hr. | Sensible kBtu/hr. | Ht. Rej. kBtu/hr. | Unit kW | EER |
| 50 | 4.5 | 3.2 | 1.4 | 75/63 | 29.1 | 23.2 | 33.0 | 1.2 | 24.0 |
| | | | | 80/67 | 31.2 | 24.3 | 35.1 | 1.2 | 26.1 |
| | | | | 85/71 | 33.4 | 25.1 | 37.3 | 1.2 | 28.4 |
| | 6 | 5.4 | 2.3 | 75/63 | 29.5 | 23.4 | 33.4 | 1.2 | 24.9 |
| | | | | 80/67 | 31.7 | 24.5 | 35.5 | 1.2 | 27.1 |
| | | | | 85/71 | 33.9 | 25.4 | 37.7 | 1.1 | 29.7 |
| | 9 | 11.1 | 4.8 | 75/63 | 29.8 | 23.6 | 33.6 | 1.2 | 25.5 |
| | | | | 80/67 | 32.0 | 24.6 | 35.8 | 1.1 | 27.9 |
| | | | | 85/71 | 34.4 | 26.1 | 38.2 | 1.1 | 30.6 |
| 60 | 4.5 | 3.1 | 1.3 | 75/63 | 27.7 | 22.6 | 32.0 | 1.3 | 21.1 |
| | | | | 80/67 | 29.8 | 23.7 | 34.0 | 1.3 | 22.9 |
| | | | | 85/71 | 31.9 | 24.6 | 36.1 | 1.3 | 24.8 |
| | 6 | 5.2 | 2.2 | 75/63 | 28.1 | 22.7 | 32.3 | 1.3 | 21.9 |
| | | | | 80/67 | 30.2 | 23.8 | 34.3 | 1.3 | 23.9 |
| | | | | 85/71 | 32.4 | 24.8 | 36.5 | 1.2 | 26.0 |
| | 9 | 10.7 | 4.6 | 75/63 | 28.5 | 23.0 | 32.5 | 1.3 | 22.7 |
| | | | | 80/67 | 30.6 | 24.0 | 34.6 | 1.2 | 24.7 |
| | | | | 85/71 | 32.8 | 25.0 | 36.8 | 1.2 | 27.0 |
| 70 | 4.5 | 3.0 | 1.3 | 75/63 | 26.3 | 21.9 | 31.0 | 1.5 | 18.2 |
| | | | | 80/67 | 28.3 | 23.0 | 32.9 | 1.4 | 19.7 |
| | | | | 85/71 | 30.4 | 24.0 | 35.0 | 1.4 | 21.3 |
| | 6 | 5.0 | 2.2 | 75/63 | 26.7 | 22.2 | 31.2 | 1.4 | 18.9 |
| | | | | 80/67 | 28.7 | 23.2 | 33.2 | 1.4 | 20.6 |
| | | | | 85/71 | 30.9 | 24.2 | 35.3 | 1.4 | 22.4 |
| | 9 | 10.4 | 4.5 | 75/63 | 27.1 | 22.3 | 31.5 | 1.4 | 19.7 |
| | | | | 80/67 | 29.1 | 23.4 | 33.5 | 1.4 | 21.4 |
| | | | | 85/71 | 31.3 | 24.3 | 35.6 | 1.3 | 23.3 |
| 80 | 4.5 | 2.9 | 1.2 | 75/63 | 25.0 | 21.3 | 30.1 | 1.6 | 15.4 |
| | | | | 80/67 | 26.8 | 22.4 | 32.0 | 1.6 | 16.7 |
| | | | | 85/71 | 28.8 | 23.3 | 34.0 | 1.6 | 18.0 |
| | 6 | 4.8 | 2.1 | 75/63 | 25.2 | 21.4 | 30.2 | 1.6 | 16.0 |
| | | | | 80/67 | 27.2 | 22.5 | 32.2 | 1.6 | 17.3 |
| | | | | 85/71 | 29.3 | 23.5 | 34.2 | 1.5 | 18.9 |
| | 9 | 10.1 | 4.4 | 75/63 | 25.6 | 21.6 | 30.5 | 1.5 | 16.8 |
| | | | | 80/67 | 27.6 | 22.7 | 32.5 | 1.5 | 18.2 |
| | | | | 85/71 | 29.7 | 23.7 | 34.5 | 1.5 | 19.8 |
| 85 | 4.5 | 2.8 | 1.2 | 75/63 | 24.2 | 21.0 | 29.6 | 1.7 | 14.1 |
| | | | | 80/67 | 26.1 | 22.0 | 31.5 | 1.7 | 15.3 |
| | | | | 85/71 | 28.0 | 23.1 | 33.4 | 1.7 | 16.5 |
| | 6 | 4.8 | 2.1 | 75/63 | 24.5 | 21.1 | 29.8 | 1.7 | 14.6 |
| | | | | 80/67 | 26.4 | 22.2 | 31.7 | 1.7 | 15.9 |
| | | | | 85/71 | 28.4 | 23.2 | 33.7 | 1.6 | 17.3 |
| | 9 | 9.9 | 4.3 | 75/63 | 24.9 | 21.3 | 30.1 | 1.6 | 15.4 |
| | | | | 80/67 | 26.9 | 22.4 | 32.0 | 1.6 | 16.7 |
| | | | | 85/71 | 28.9 | 23.4 | 34.0 | 1.6 | 18.1 |
| 90 | 4.5 | 2.8 | 1.2 | 75/63 | 23.5 | 20.7 | 29.2 | 1.8 | 12.9 |
| | | | | 80/67 | 25.3 | 21.8 | 31.1 | 1.8 | 14.0 |
| | | | | 85/71 | 27.2 | 22.8 | 32.9 | 1.8 | 15.1 |
| | 6 | 4.7 | 2.0 | 75/63 | 23.8 | 20.9 | 29.4 | 1.8 | 13.4 |
| | | | | 80/67 | 25.6 | 21.9 | 31.2 | 1.8 | 14.5 |
| | | | | 85/71 | 27.6 | 22.8 | 33.2 | 1.8 | 15.7 |
| | 9 | 9.7 | 4.2 | 75/63 | 24.2 | 21.0 | 29.6 | 1.7 | 14.1 |
| | | | | 80/67 | 26.1 | 22.0 | 31.5 | 1.7 | 15.3 |
| | | | | 85/71 | 28.0 | 23.1 | 33.4 | 1.7 | 16.6 |
| 100 | 4.5 | 2.7 | 1.2 | 75/63 | 22.0 | 20.1 | 28.4 | 2.1 | 10.7 |
| | | | | 80/67 | 23.8 | 21.2 | 30.2 | 2.0 | 11.6 |
| | | | | 85/71 | 25.6 | 22.1 | 32.1 | 2.0 | 12.6 |
| | 6 | 4.6 | 2.0 | 75/63 | 22.3 | 20.1 | 28.6 | 2.0 | 11.2 |
| | | | | 80/67 | 24.1 | 21.3 | 30.4 | 2.0 | 12.1 |
| | | | | 85/71 | 26.0 | 22.2 | 32.3 | 2.0 | 13.1 |
| | 9 | 9.5 | 4.1 | 75/63 | 22.7 | 20.4 | 28.8 | 1.9 | 11.7 |
| | | | | 80/67 | 24.5 | 21.4 | 30.6 | 1.9 | 12.7 |
| | | | | 85/71 | 26.4 | 22.5 | 32.5 | 1.9 | 13.7 |
| 110 | 4.5 | 2.6 | 1.1 | 75/63 | 20.6 | 19.4 | 27.8 | 2.3 | 8.9 |
| | | | | 80/67 | 22.2 | 20.5 | 29.5 | 2.3 | 9.6 |
| | | | | 85/71 | 23.9 | 21.6 | 31.2 | 2.3 | 10.4 |
| | 6 | 4.4 | 1.9 | 75/63 | 20.8 | 19.5 | 27.9 | 2.3 | 9.2 |
| | | | | 80/67 | 22.5 | 20.7 | 29.6 | 2.3 | 10.0 |
| | | | | 85/71 | 24.3 | 21.6 | 31.4 | 2.3 | 10.8 |
| | 9 | 9.2 | 4.0 | 75/63 | 21.2 | 19.7 | 28.0 | 2.2 | 9.6 |
| | | | | 80/67 | 22.9 | 20.7 | 29.8 | 2.2 | 10.5 |
| | | | | 85/71 | 24.7 | 21.8 | 31.6 | 2.2 | 11.4 |

GS036 COOLING PERFORMANCE - FULL LOAD

| GS036 Cooling Performance – Full Load @ 1250 CFM | | | | | | | | | |
|--------------------------------------------------|----------------|-------------------------|-------------------|--------------------|----------------|-------------------|-------------------|---------|------|
| Entering Water °F | Water flow GPM | Pressure Drop Ft. Water | Pressure Drop PSI | Cooling | | | | | |
| | | | | Ent. Air db/wb, °F | Total kBtu/hr. | Sensible kBtu/hr. | Ht. Rej. kBtu/hr. | Unit kW | EER |
| 50 | 4.5 | 3.2 | 1.4 | 75/63 | 39.3 | 29.5 | 45.8 | 2.0 | 19.6 |
| | | | | 80/67 | 41.9 | 30.6 | 48.7 | 2.0 | 20.5 |
| | | | | 85/71 | 44.7 | 31.8 | 51.6 | 2.1 | 21.4 |
| | 6 | 5.4 | 2.3 | 75/63 | 39.9 | 29.8 | 46.3 | 2.0 | 20.5 |
| | | | | 80/67 | 42.7 | 30.9 | 49.3 | 2.0 | 21.4 |
| | | | | 85/71 | 45.6 | 32.2 | 52.3 | 2.0 | 22.3 |
| | 9 | 11.1 | 4.8 | 75/63 | 40.5 | 30.1 | 46.8 | 1.9 | 21.2 |
| | | | | 80/67 | 43.3 | 31.2 | 49.8 | 2.0 | 22.1 |
| | | | | 85/71 | 46.4 | 32.0 | 53.0 | 2.0 | 23.0 |
| 60 | 4.5 | 3.1 | 1.3 | 75/63 | 37.6 | 28.8 | 44.6 | 2.1 | 17.6 |
| | | | | 80/67 | 40.2 | 29.9 | 47.4 | 2.2 | 18.5 |
| | | | | 85/71 | 43.0 | 31.0 | 50.2 | 2.2 | 19.4 |
| | 6 | 5.2 | 2.2 | 75/63 | 38.3 | 29.1 | 45.1 | 2.1 | 18.4 |
| | | | | 80/67 | 41.0 | 30.2 | 47.9 | 2.1 | 19.4 |
| | | | | 85/71 | 43.8 | 31.3 | 50.9 | 2.2 | 20.3 |
| | 9 | 10.7 | 4.6 | 75/63 | 38.9 | 29.4 | 45.5 | 2.0 | 19.1 |
| | | | | 80/67 | 41.6 | 30.5 | 48.4 | 2.1 | 20.1 |
| | | | | 85/71 | 44.5 | 31.6 | 51.5 | 2.1 | 21.1 |
| 70 | 4.5 | 3.0 | 1.3 | 75/63 | 36.0 | 28.1 | 43.5 | 2.3 | 15.6 |
| | | | | 80/67 | 38.5 | 29.2 | 46.1 | 2.3 | 16.5 |
| | | | | 85/71 | 41.1 | 30.4 | 48.8 | 2.4 | 17.3 |
| | 6 | 5.0 | 2.2 | 75/63 | 36.6 | 28.3 | 43.9 | 2.2 | 16.3 |
| | | | | 80/67 | 39.2 | 29.5 | 46.6 | 2.3 | 17.3 |
| | | | | 85/71 | 41.9 | 30.7 | 49.4 | 2.3 | 18.2 |
| | 9 | 10.4 | 4.5 | 75/63 | 37.2 | 28.6 | 44.3 | 2.2 | 17.1 |
| | | | | 80/67 | 39.8 | 29.8 | 47.0 | 2.2 | 18.0 |
| | | | | 85/71 | 42.6 | 30.9 | 50.0 | 2.2 | 19.0 |
| 80 | 4.5 | 2.9 | 1.2 | 75/63 | 34.3 | 27.3 | 42.4 | 2.5 | 13.7 |
| | | | | 80/67 | 36.7 | 28.5 | 44.9 | 2.5 | 14.5 |
| | | | | 85/71 | 39.2 | 29.6 | 47.6 | 2.6 | 15.3 |
| | 6 | 4.8 | 2.1 | 75/63 | 34.8 | 27.6 | 42.6 | 2.4 | 14.2 |
| | | | | 80/67 | 37.3 | 28.8 | 45.3 | 2.5 | 15.2 |
| | | | | 85/71 | 40.0 | 29.8 | 48.1 | 2.5 | 16.1 |
| | 9 | 10.1 | 4.4 | 75/63 | 35.5 | 27.9 | 43.1 | 2.4 | 15.0 |
| | | | | 80/67 | 38.0 | 29.0 | 45.8 | 2.4 | 15.9 |
| | | | | 85/71 | 40.7 | 30.1 | 48.6 | 2.4 | 16.9 |
| 85 | 4.5 | 2.8 | 1.2 | 75/63 | 33.4 | 27.0 | 41.8 | 2.6 | 12.8 |
| | | | | 80/67 | 35.8 | 28.1 | 44.4 | 2.7 | 13.5 |
| | | | | 85/71 | 38.3 | 29.2 | 47.0 | 2.7 | 14.3 |
| | 6 | 4.8 | 2.1 | 75/63 | 33.9 | 27.2 | 42.1 | 2.6 | 13.3 |
| | | | | 80/67 | 36.4 | 28.4 | 44.7 | 2.6 | 14.2 |
| | | | | 85/71 | 38.9 | 29.6 | 47.4 | 2.6 | 15.0 |
| | 9 | 9.9 | 4.3 | 75/63 | 34.6 | 27.5 | 42.5 | 2.5 | 14.0 |
| | | | | 80/67 | 37.1 | 28.6 | 45.2 | 2.5 | 14.9 |
| | | | | 85/71 | 39.7 | 29.9 | 47.9 | 2.5 | 15.8 |
| 90 | 4.5 | 2.8 | 1.2 | 75/63 | 32.6 | 26.6 | 41.4 | 2.7 | 11.9 |
| | | | | 80/67 | 34.8 | 27.8 | 43.8 | 2.8 | 12.6 |
| | | | | 85/71 | 37.3 | 29.0 | 46.3 | 2.8 | 13.3 |
| | 6 | 4.7 | 2.0 | 75/63 | 33.1 | 26.8 | 41.6 | 2.7 | 12.4 |
| | | | | 80/67 | 35.5 | 27.9 | 44.2 | 2.7 | 13.2 |
| | | | | 85/71 | 38.0 | 29.2 | 46.7 | 2.7 | 14.0 |
| | 9 | 9.7 | 4.2 | 75/63 | 33.7 | 27.1 | 42.0 | 2.6 | 13.1 |
| | | | | 80/67 | 36.1 | 28.3 | 44.5 | 2.6 | 13.9 |
| | | | | 85/71 | 38.7 | 29.5 | 47.2 | 2.6 | 14.8 |
| 100 | 4.5 | 2.7 | 1.2 | 75/63 | 30.8 | 25.7 | 40.5 | 3.0 | 10.2 |
| | | | | 80/67 | 33.1 | 26.9 | 42.9 | 3.0 | 10.9 |
| | | | | 85/71 | 35.4 | 28.2 | 45.3 | 3.1 | 11.5 |
| | 6 | 4.6 | 2.0 | 75/63 | 31.4 | 25.9 | 40.8 | 2.9 | 10.7 |
| | | | | 80/67 | 33.6 | 27.2 | 43.1 | 3.0 | 11.3 |
| | | | | 85/71 | 36.0 | 28.3 | 45.6 | 3.0 | 12.1 |
| | 9 | 9.5 | 4.1 | 75/63 | 32.0 | 26.2 | 41.1 | 2.8 | 11.3 |
| | | | | 80/67 | 34.3 | 27.4 | 43.5 | 2.9 | 12.0 |
| | | | | 85/71 | 36.7 | 28.7 | 46.0 | 2.9 | 12.8 |
| 110 | 4.5 | 2.6 | 1.1 | 75/63 | 29.0 | 24.9 | 39.7 | 3.3 | 8.7 |
| | | | | 80/67 | 31.2 | 26.1 | 42.0 | 3.4 | 9.3 |
| | | | | 85/71 | 33.5 | 27.3 | 44.4 | 3.4 | 9.9 |
| | 6 | 4.4 | 1.9 | 75/63 | 29.6 | 25.1 | 40.0 | 3.2 | 9.1 |
| | | | | 80/67 | 31.8 | 26.4 | 42.3 | 3.3 | 9.8 |
| | | | | 85/71 | 34.1 | 27.7 | 44.6 | 3.3 | 10.4 |
| | 9 | 9.2 | 4.0 | 75/63 | 30.1 | 25.4 | 40.2 | 3.1 | 9.6 |
| | | | | 80/67 | 32.4 | 26.6 | 42.6 | 3.1 | 10.3 |
| | | | | 85/71 | 34.8 | 28.0 | 45.0 | 3.2 | 11.0 |

GS048 HEATING PERFORMANCE - PART LOAD

| GS048 Heating Performance – Part Load @ 1300 CFM | | | | | | | | |
|--------------------------------------------------|----------------|-------------------------|-------------------|-----------------|----------------|------------------|---------|-----|
| Entering Water °F | Water flow GPM | Pressure Drop Ft. Water | Pressure Drop PSI | Heating | | | | |
| | | | | Ent. Air db, °F | Total KBtu/hr. | Ht. Abs. Btu/hr. | Unit kW | COP |
| 30 | 6 | 3.0 | 1.3 | 60 | 26.9 | 20.0 | 2.1 | 3.8 |
| | | | | 70 | 25.9 | 18.4 | 2.3 | 3.3 |
| | | | | 80 | 25.4 | 16.7 | 2.6 | 2.9 |
| | 8 | 5.0 | 2.2 | 60 | 27.8 | 20.8 | 2.1 | 3.9 |
| | | | | 70 | 26.7 | 19.2 | 2.3 | 3.4 |
| | | | | 80 | 26.1 | 17.3 | 2.6 | 3.0 |
| | 12 | 10.5 | 4.5 | 60 | 28.7 | 21.8 | 2.1 | 4.0 |
| | | | | 70 | 27.8 | 20.0 | 2.3 | 3.5 |
| | | | | 80 | 26.8 | 18.1 | 2.6 | 3.0 |
| 40 | 6 | 2.9 | 1.3 | 60 | 30.6 | 23.7 | 2.1 | 4.2 |
| | | | | 70 | 29.6 | 21.9 | 2.3 | 3.7 |
| | | | | 80 | 28.9 | 20.2 | 2.6 | 3.3 |
| | 8 | 4.9 | 2.1 | 60 | 31.7 | 24.7 | 2.1 | 4.4 |
| | | | | 70 | 30.6 | 22.9 | 2.4 | 3.8 |
| | | | | 80 | 29.8 | 21.0 | 2.6 | 3.3 |
| | 12 | 10.1 | 4.4 | 60 | 32.9 | 25.9 | 2.1 | 4.5 |
| | | | | 70 | 31.7 | 23.9 | 2.4 | 3.9 |
| | | | | 80 | 30.8 | 22.0 | 2.6 | 3.4 |
| 50 | 6 | 2.6 | 1.1 | 60 | 35.4 | 28.4 | 2.1 | 4.9 |
| | | | | 70 | 34.3 | 26.5 | 2.4 | 4.2 |
| | | | | 80 | 33.3 | 24.6 | 2.6 | 3.7 |
| | 8 | 4.4 | 1.9 | 60 | 36.6 | 29.6 | 2.2 | 5.0 |
| | | | | 70 | 35.5 | 27.6 | 2.4 | 4.4 |
| | | | | 80 | 34.3 | 25.6 | 2.7 | 3.8 |
| | 12 | 9.1 | 4.0 | 60 | 38.1 | 31.0 | 2.2 | 5.2 |
| | | | | 70 | 36.9 | 28.9 | 2.4 | 4.5 |
| | | | | 80 | 35.5 | 26.7 | 2.7 | 3.9 |
| 60 | 6 | 2.5 | 1.1 | 60 | 40.0 | 32.9 | 2.2 | 5.4 |
| | | | | 70 | 38.9 | 31.0 | 2.4 | 4.8 |
| | | | | 80 | 37.8 | 29.0 | 2.7 | 4.2 |
| | 8 | 4.3 | 1.8 | 60 | 41.5 | 34.4 | 2.2 | 5.6 |
| | | | | 70 | 40.3 | 32.3 | 2.4 | 4.9 |
| | | | | 80 | 39.0 | 30.2 | 2.7 | 4.3 |
| | 12 | 8.8 | 3.8 | 60 | 43.2 | 36.0 | 2.2 | 5.9 |
| | | | | 70 | 41.9 | 33.9 | 2.4 | 5.1 |
| | | | | 80 | 40.4 | 31.5 | 2.7 | 4.4 |
| 70 | 6 | 2.5 | 1.1 | 60 | 44.9 | 37.7 | 2.2 | 6.1 |
| | | | | 70 | 43.6 | 35.7 | 2.4 | 5.3 |
| | | | | 80 | 42.4 | 33.5 | 2.7 | 4.6 |
| | 8 | 4.1 | 1.8 | 60 | 46.6 | 39.4 | 2.2 | 6.3 |
| | | | | 70 | 45.3 | 37.3 | 2.4 | 5.5 |
| | | | | 80 | 43.9 | 35.0 | 2.7 | 4.8 |
| | 12 | 8.6 | 3.7 | 60 | 48.6 | 41.4 | 2.2 | 6.5 |
| | | | | 70 | 47.1 | 39.1 | 2.4 | 5.7 |
| | | | | 80 | 45.6 | 36.7 | 2.7 | 5.0 |
| 80 | 6 | 2.4 | 1.0 | 60 | 49.9 | 42.7 | 2.2 | 6.7 |
| | | | | 70 | 48.6 | 40.6 | 2.4 | 5.8 |
| | | | | 80 | 47.2 | 38.3 | 2.7 | 5.1 |
| | 8 | 4.0 | 1.7 | 60 | 51.9 | 44.7 | 2.2 | 7.0 |
| | | | | 70 | 50.5 | 42.4 | 2.4 | 6.1 |
| | | | | 80 | 49.0 | 40.0 | 2.7 | 5.3 |
| | 12 | 8.3 | 3.6 | 60 | 54.2 | 47.0 | 2.2 | 7.3 |
| | | | | 70 | 52.6 | 44.6 | 2.5 | 6.3 |
| | | | | 80 | 51.0 | 41.9 | 2.7 | 5.5 |

GS048 HEATING PERFORMANCE - FULL LOAD

| GS048 Heating Performance – Full Load @ 1500 CFM | | | | | | | | |
|--------------------------------------------------|----------------|-------------------------|-------------------|-----------------|----------------|------------------|---------|-----|
| Entering Water °F | Water flow GPM | Pressure Drop Ft. Water | Pressure Drop PSI | Heating | | | | |
| | | | | Ent. Air db, °F | Total KBtu/hr. | Ht. Abs. Btu/hr. | Unit kW | COP |
| 30 | 6 | 3.0 | 1.3 | 60 | 35.9 | 26.2 | 2.8 | 3.7 |
| | | | | 70 | 35.4 | 24.8 | 3.1 | 3.3 |
| | | | | 80 | 35.0 | 23.3 | 3.5 | 3.0 |
| | 8 | 5.0 | 2.2 | 60 | 37.3 | 27.6 | 2.9 | 3.8 |
| | | | | 70 | 36.6 | 26.0 | 3.2 | 3.4 |
| | | | | 80 | 36.3 | 24.4 | 3.5 | 3.0 |
| | 12 | 10.5 | 4.5 | 60 | 38.9 | 29.1 | 2.9 | 3.9 |
| | | | | 70 | 38.1 | 27.4 | 3.2 | 3.5 |
| | | | | 80 | 37.6 | 25.8 | 3.5 | 3.1 |
| 40 | 6 | 2.9 | 1.3 | 60 | 40.4 | 30.7 | 3.0 | 4.0 |
| | | | | 70 | 40.1 | 29.1 | 3.2 | 3.6 |
| | | | | 80 | 39.7 | 27.5 | 3.6 | 3.3 |
| | 8 | 4.9 | 2.1 | 60 | 42.4 | 32.4 | 3.0 | 4.2 |
| | | | | 70 | 41.7 | 30.7 | 3.3 | 3.7 |
| | | | | 80 | 41.2 | 29.0 | 3.6 | 3.4 |
| | 12 | 10.1 | 4.4 | 60 | 44.6 | 34.4 | 3.0 | 4.3 |
| | | | | 70 | 43.6 | 32.4 | 3.3 | 3.9 |
| | | | | 80 | 42.9 | 30.7 | 3.6 | 3.5 |
| 50 | 6 | 2.6 | 1.1 | 60 | 47.2 | 36.9 | 3.1 | 4.5 |
| | | | | 70 | 46.4 | 35.0 | 3.4 | 4.0 |
| | | | | 80 | 45.8 | 33.3 | 3.7 | 3.6 |
| | 8 | 4.4 | 1.9 | 60 | 49.4 | 38.8 | 3.1 | 4.6 |
| | | | | 70 | 48.3 | 36.8 | 3.4 | 4.2 |
| | | | | 80 | 47.6 | 35.0 | 3.7 | 3.7 |
| | 12 | 9.1 | 4.0 | 60 | 51.8 | 41.0 | 3.2 | 4.8 |
| | | | | 70 | 50.6 | 38.8 | 3.5 | 4.3 |
| | | | | 80 | 49.5 | 36.7 | 3.8 | 3.8 |
| 60 | 6 | 2.5 | 1.1 | 60 | 53.2 | 42.5 | 3.2 | 4.9 |
| | | | | 70 | 52.2 | 40.4 | 3.5 | 4.4 |
| | | | | 80 | 51.4 | 38.5 | 3.8 | 4.0 |
| | 8 | 4.3 | 1.8 | 60 | 55.7 | 44.8 | 3.3 | 5.0 |
| | | | | 70 | 54.5 | 42.6 | 3.5 | 4.5 |
| | | | | 80 | 53.5 | 40.5 | 3.9 | 4.1 |
| | 12 | 8.8 | 3.8 | 60 | 58.6 | 47.5 | 3.3 | 5.2 |
| | | | | 70 | 57.1 | 44.9 | 3.6 | 4.7 |
| | | | | 80 | 55.9 | 42.8 | 3.9 | 4.2 |
| 70 | 6 | 2.5 | 1.1 | 60 | 59.5 | 48.3 | 3.3 | 5.2 |
| | | | | 70 | 58.3 | 46.1 | 3.6 | 4.7 |
| | | | | 80 | 57.4 | 44.0 | 4.0 | 4.3 |
| | 8 | 4.1 | 1.8 | 60 | 62.4 | 51.0 | 3.4 | 5.4 |
| | | | | 70 | 61.0 | 48.6 | 3.7 | 4.9 |
| | | | | 80 | 59.8 | 46.3 | 4.0 | 4.4 |
| | 12 | 8.6 | 3.7 | 60 | 65.6 | 54.2 | 3.4 | 5.6 |
| | | | | 70 | 64.0 | 51.3 | 3.7 | 5.0 |
| | | | | 80 | 62.5 | 48.8 | 4.1 | 4.5 |
| 80 | 6 | 2.4 | 1.0 | 60 | 66.0 | 54.4 | 3.5 | 5.6 |
| | | | | 70 | 64.6 | 52.0 | 3.8 | 5.0 |
| | | | | 80 | 63.4 | 49.6 | 4.1 | 4.5 |
| | 8 | 4.0 | 1.7 | 60 | 69.2 | 57.6 | 3.5 | 5.8 |
| | | | | 70 | 67.7 | 54.8 | 3.8 | 5.2 |
| | | | | 80 | 66.1 | 52.1 | 4.2 | 4.7 |
| | 12 | 8.3 | 3.6 | 60 | 72.9 | 61.1 | 3.6 | 6.0 |
| | | | | 70 | 71.0 | 58.2 | 3.9 | 5.3 |
| | | | | 80 | 69.3 | 54.9 | 4.2 | 4.8 |

GS048 COOLING PERFORMANCE - PART LOAD

| GS048 Cooling Performance - Part Load @ 1300 CFM | | | | | | | | | |
|--------------------------------------------------|----------------|-------------------------|-------------------|--------------------|----------------|-------------------|-------------------|---------|------|
| Entering Water °F | Water flow GPM | Pressure Drop Ft. Water | Pressure Drop PSI | Cooling | | | | | |
| | | | | Ent. Air db/wb, °F | Total kBtu/hr. | Sensible kBtu/hr. | Ht. Rej. kBtu/hr. | Unit kW | EER |
| 50 | 6 | 2.6 | 1.1 | 75/63 | 39.6 | 30.6 | 44.8 | 1.6 | 24.5 |
| | | | | 80/67 | 42.3 | 32.5 | 47.5 | 1.6 | 26.4 |
| | | | | 85/71 | 45.1 | 33.9 | 50.3 | 1.6 | 28.7 |
| | 8 | 4.4 | 1.9 | 75/63 | 40.4 | 31.7 | 45.5 | 1.5 | 26.2 |
| | | | | 80/67 | 43.2 | 33.0 | 48.2 | 1.5 | 28.5 |
| | | | | 85/71 | 46.2 | 34.2 | 51.1 | 1.5 | 31.1 |
| | 12 | 9.1 | 4.0 | 75/63 | 41.3 | 32.1 | 46.1 | 1.5 | 28.2 |
| | | | | 80/67 | 44.2 | 33.4 | 48.9 | 1.4 | 30.9 |
| | | | | 85/71 | 47.3 | 34.4 | 52.0 | 1.4 | 33.9 |
| 60 | 6 | 2.5 | 1.1 | 75/63 | 37.5 | 29.7 | 43.3 | 1.8 | 20.6 |
| | | | | 80/67 | 40.1 | 31.0 | 45.9 | 1.8 | 22.3 |
| | | | | 85/71 | 42.9 | 32.9 | 48.7 | 1.8 | 24.1 |
| | 8 | 4.3 | 1.8 | 75/63 | 38.3 | 30.1 | 43.9 | 1.7 | 22.0 |
| | | | | 80/67 | 41.0 | 32.1 | 46.5 | 1.7 | 23.9 |
| | | | | 85/71 | 43.9 | 33.2 | 49.4 | 1.7 | 26.0 |
| | 12 | 8.8 | 3.8 | 75/63 | 39.1 | 30.4 | 44.5 | 1.7 | 23.5 |
| | | | | 80/67 | 42.0 | 32.3 | 47.3 | 1.6 | 25.7 |
| | | | | 85/71 | 44.9 | 33.6 | 50.2 | 1.6 | 28.2 |
| 70 | 6 | 2.5 | 1.1 | 75/63 | 35.4 | 28.7 | 41.8 | 2.0 | 17.4 |
| | | | | 80/67 | 37.8 | 30.1 | 44.3 | 2.0 | 18.6 |
| | | | | 85/71 | 40.5 | 31.3 | 47.0 | 2.0 | 20.2 |
| | 8 | 4.1 | 1.8 | 75/63 | 36.0 | 29.2 | 42.3 | 2.0 | 18.4 |
| | | | | 80/67 | 38.6 | 30.4 | 44.9 | 1.9 | 19.9 |
| | | | | 85/71 | 41.5 | 31.6 | 47.7 | 1.9 | 21.7 |
| | 12 | 8.6 | 3.7 | 75/63 | 36.9 | 29.4 | 42.9 | 1.9 | 19.7 |
| | | | | 80/67 | 39.6 | 30.7 | 45.5 | 1.9 | 21.3 |
| | | | | 85/71 | 42.5 | 32.7 | 48.4 | 1.8 | 23.4 |
| 80 | 6 | 2.4 | 1.0 | 75/63 | 33.2 | 27.9 | 40.4 | 2.3 | 14.6 |
| | | | | 80/67 | 35.6 | 29.0 | 42.9 | 2.3 | 15.6 |
| | | | | 85/71 | 38.2 | 30.4 | 45.4 | 2.3 | 16.9 |
| | 8 | 4.0 | 1.7 | 75/63 | 33.8 | 28.2 | 40.8 | 2.2 | 15.4 |
| | | | | 80/67 | 36.4 | 29.3 | 43.4 | 2.2 | 16.6 |
| | | | | 85/71 | 39.1 | 30.6 | 46.0 | 2.2 | 18.1 |
| | 12 | 8.3 | 3.6 | 75/63 | 34.6 | 28.5 | 41.3 | 2.1 | 16.3 |
| | | | | 80/67 | 37.1 | 29.8 | 43.8 | 2.1 | 17.6 |
| | | | | 85/71 | 39.9 | 31.1 | 46.6 | 2.1 | 19.3 |
| 85 | 6 | 2.3 | 1.0 | 75/63 | 32.1 | 27.2 | 39.8 | 2.4 | 13.3 |
| | | | | 80/67 | 34.4 | 28.6 | 42.1 | 2.4 | 14.3 |
| | | | | 85/71 | 37.1 | 29.8 | 44.7 | 2.4 | 15.5 |
| | 8 | 3.9 | 1.7 | 75/63 | 32.7 | 27.7 | 40.1 | 2.3 | 14.1 |
| | | | | 80/67 | 35.2 | 28.9 | 42.6 | 2.3 | 15.1 |
| | | | | 85/71 | 37.9 | 30.1 | 45.2 | 2.3 | 16.5 |
| | 12 | 8.1 | 3.5 | 75/63 | 33.4 | 28.0 | 40.5 | 2.2 | 14.9 |
| | | | | 80/67 | 36.0 | 29.1 | 43.1 | 2.2 | 16.1 |
| | | | | 85/71 | 38.7 | 30.4 | 45.8 | 2.2 | 17.6 |
| 90 | 6 | 2.3 | 1.0 | 75/63 | 31.0 | 26.7 | 39.1 | 2.6 | 12.2 |
| | | | | 80/67 | 33.3 | 28.2 | 41.4 | 2.6 | 13.0 |
| | | | | 85/71 | 35.8 | 29.5 | 43.9 | 2.5 | 14.1 |
| | 8 | 3.9 | 1.7 | 75/63 | 31.7 | 27.0 | 39.5 | 2.5 | 12.8 |
| | | | | 80/67 | 34.0 | 28.5 | 41.8 | 2.5 | 13.8 |
| | | | | 85/71 | 36.7 | 29.6 | 44.5 | 2.4 | 15.0 |
| | 12 | 8.0 | 3.5 | 75/63 | 32.3 | 27.3 | 39.9 | 2.4 | 13.5 |
| | | | | 80/67 | 34.7 | 28.8 | 42.3 | 2.4 | 14.6 |
| | | | | 85/71 | 37.5 | 30.0 | 45.0 | 2.3 | 16.0 |
| 100 | 6 | 2.2 | 1.0 | 75/63 | 28.8 | 25.9 | 37.8 | 2.9 | 10.1 |
| | | | | 80/67 | 31.1 | 27.2 | 40.1 | 2.8 | 10.9 |
| | | | | 85/71 | 33.5 | 28.6 | 42.5 | 2.8 | 11.8 |
| | 8 | 3.8 | 1.6 | 75/63 | 29.4 | 26.1 | 38.1 | 2.8 | 10.6 |
| | | | | 80/67 | 31.8 | 27.4 | 40.5 | 2.8 | 11.5 |
| | | | | 85/71 | 34.3 | 28.7 | 43.0 | 2.7 | 12.5 |
| | 12 | 7.8 | 3.4 | 75/63 | 30.0 | 26.3 | 38.5 | 2.7 | 11.1 |
| | | | | 80/67 | 32.4 | 27.6 | 40.9 | 2.7 | 12.1 |
| | | | | 85/71 | 34.9 | 29.2 | 43.3 | 2.6 | 13.2 |
| 110 | 6 | 2.2 | 0.9 | 75/63 | 26.6 | 24.9 | 36.6 | 3.2 | 8.3 |
| | | | | 80/67 | 28.8 | 26.3 | 38.9 | 3.2 | 9.1 |
| | | | | 85/71 | 31.2 | 27.7 | 41.2 | 3.2 | 9.8 |
| | 8 | 3.6 | 1.6 | 75/63 | 27.1 | 25.1 | 36.9 | 3.1 | 8.7 |
| | | | | 80/67 | 29.4 | 26.6 | 39.2 | 3.1 | 9.5 |
| | | | | 85/71 | 31.9 | 27.8 | 41.6 | 3.1 | 10.4 |
| | 12 | 7.6 | 3.3 | 75/63 | 27.7 | 25.3 | 37.2 | 3.0 | 9.1 |
| | | | | 80/67 | 30.0 | 26.8 | 39.5 | 3.0 | 10.0 |
| | | | | 85/71 | 32.5 | 28.1 | 42.0 | 3.0 | 10.9 |

GS048 COOLING PERFORMANCE - FULL LOAD

| GS048 Cooling Performance – Full Load @ 1500 CFM | | | | | | | | | |
|--------------------------------------------------|----------------|-------------------------|-------------------|--------------------|----------------|-------------------|-------------------|---------|------|
| Entering Water °F | Water flow GPM | Pressure Drop Ft. Water | Pressure Drop PSI | Cooling | | | | | |
| | | | | Ent. Air db/wb, °F | Total kBtu/hr. | Sensible kBtu/hr. | Ht. Rej. kBtu/hr. | Unit kW | EER |
| 50 | 6 | 2.6 | 1.1 | 75/63 | 51.4 | 37.8 | 60.1 | 2.6 | 19.5 |
| | | | | 80/67 | 55.0 | 40.0 | 63.7 | 2.7 | 20.6 |
| | | | | 85/71 | 58.6 | 41.3 | 67.5 | 2.7 | 21.7 |
| | 8 | 4.4 | 1.9 | 75/63 | 52.6 | 38.3 | 60.8 | 2.5 | 20.8 |
| | | | | 80/67 | 56.3 | 40.5 | 64.6 | 2.5 | 22.1 |
| | | | | 85/71 | 60.0 | 41.9 | 68.5 | 2.6 | 23.4 |
| | 12 | 9.1 | 4.0 | 75/63 | 53.8 | 38.9 | 61.7 | 2.4 | 22.3 |
| | | | | 80/67 | 57.6 | 41.1 | 65.6 | 2.4 | 23.8 |
| | | | | 85/71 | 61.5 | 42.4 | 69.6 | 2.4 | 25.3 |
| 60 | 6 | 2.5 | 1.1 | 75/63 | 49.3 | 36.8 | 58.6 | 2.9 | 17.2 |
| | | | | 80/67 | 52.7 | 38.1 | 62.2 | 2.9 | 18.2 |
| | | | | 85/71 | 56.3 | 40.4 | 65.8 | 2.9 | 19.3 |
| | 8 | 4.3 | 1.8 | 75/63 | 50.4 | 37.3 | 59.3 | 2.7 | 18.4 |
| | | | | 80/67 | 54.0 | 39.4 | 63.1 | 2.8 | 19.5 |
| | | | | 85/71 | 57.7 | 40.8 | 66.8 | 2.8 | 20.7 |
| | 12 | 8.8 | 3.8 | 75/63 | 51.5 | 37.8 | 60.1 | 2.6 | 19.6 |
| | | | | 80/67 | 55.2 | 40.0 | 63.9 | 2.6 | 20.9 |
| | | | | 85/71 | 59.1 | 41.3 | 67.9 | 2.7 | 22.3 |
| 70 | 6 | 2.5 | 1.1 | 75/63 | 47.1 | 35.8 | 57.1 | 3.1 | 15.1 |
| | | | | 80/67 | 50.4 | 37.2 | 60.6 | 3.1 | 16.1 |
| | | | | 85/71 | 53.9 | 38.2 | 64.3 | 3.2 | 17.0 |
| | 8 | 4.1 | 1.8 | 75/63 | 48.1 | 36.3 | 57.8 | 3.0 | 16.1 |
| | | | | 80/67 | 51.6 | 37.6 | 61.4 | 3.0 | 17.1 |
| | | | | 85/71 | 55.1 | 38.9 | 65.1 | 3.0 | 18.2 |
| | 12 | 8.6 | 3.7 | 75/63 | 49.2 | 36.7 | 58.6 | 2.9 | 17.2 |
| | | | | 80/67 | 52.8 | 38.1 | 62.3 | 2.9 | 18.3 |
| | | | | 85/71 | 56.5 | 40.5 | 66.0 | 2.9 | 19.5 |
| 80 | 6 | 2.4 | 1.0 | 75/63 | 44.9 | 34.7 | 55.8 | 3.4 | 13.2 |
| | | | | 80/67 | 48.1 | 35.9 | 59.2 | 3.4 | 14.0 |
| | | | | 85/71 | 51.3 | 37.5 | 62.6 | 3.5 | 14.8 |
| | 8 | 4.0 | 1.7 | 75/63 | 45.8 | 35.1 | 56.4 | 3.3 | 14.0 |
| | | | | 80/67 | 49.2 | 36.4 | 59.9 | 3.3 | 15.0 |
| | | | | 85/71 | 52.7 | 37.7 | 63.4 | 3.3 | 15.9 |
| | 12 | 8.3 | 3.6 | 75/63 | 46.9 | 35.6 | 57.0 | 3.1 | 14.9 |
| | | | | 80/67 | 50.4 | 36.9 | 60.6 | 3.2 | 16.0 |
| | | | | 85/71 | 53.9 | 38.5 | 64.2 | 3.2 | 17.0 |
| 85 | 6 | 2.3 | 1.0 | 75/63 | 43.7 | 34.1 | 55.2 | 3.6 | 12.3 |
| | | | | 80/67 | 46.9 | 35.5 | 58.5 | 3.6 | 13.1 |
| | | | | 85/71 | 50.0 | 37.1 | 61.7 | 3.6 | 13.8 |
| | 8 | 3.9 | 1.7 | 75/63 | 44.7 | 34.6 | 55.7 | 3.4 | 13.1 |
| | | | | 80/67 | 48.0 | 35.9 | 59.1 | 3.4 | 13.9 |
| | | | | 85/71 | 51.3 | 37.5 | 62.5 | 3.5 | 14.8 |
| | 12 | 8.1 | 3.5 | 75/63 | 45.7 | 35.0 | 56.3 | 3.3 | 13.9 |
| | | | | 80/67 | 49.1 | 36.4 | 59.8 | 3.3 | 14.9 |
| | | | | 85/71 | 52.5 | 37.9 | 63.3 | 3.3 | 15.8 |
| 90 | 6 | 2.3 | 1.0 | 75/63 | 42.6 | 33.6 | 54.5 | 3.7 | 11.4 |
| | | | | 80/67 | 45.6 | 35.1 | 57.7 | 3.8 | 12.1 |
| | | | | 85/71 | 48.7 | 36.5 | 61.0 | 3.8 | 12.8 |
| | 8 | 3.9 | 1.7 | 75/63 | 43.5 | 34.0 | 55.1 | 3.6 | 12.1 |
| | | | | 80/67 | 46.6 | 35.6 | 58.3 | 3.6 | 12.9 |
| | | | | 85/71 | 49.9 | 37.1 | 61.7 | 3.6 | 13.7 |
| | 12 | 8.0 | 3.5 | 75/63 | 44.5 | 34.4 | 55.6 | 3.5 | 12.9 |
| | | | | 80/67 | 47.7 | 36.0 | 58.9 | 3.5 | 13.8 |
| | | | | 85/71 | 51.1 | 37.5 | 62.5 | 3.5 | 14.7 |
| 100 | 6 | 2.2 | 1.0 | 75/63 | 40.1 | 32.7 | 53.3 | 4.1 | 9.8 |
| | | | | 80/67 | 43.1 | 34.1 | 56.4 | 4.1 | 10.4 |
| | | | | 85/71 | 46.1 | 35.2 | 59.7 | 4.2 | 11.0 |
| | 8 | 3.8 | 1.6 | 75/63 | 41.0 | 33.1 | 53.7 | 4.0 | 10.4 |
| | | | | 80/67 | 44.1 | 34.5 | 56.9 | 4.0 | 11.1 |
| | | | | 85/71 | 47.3 | 35.7 | 60.3 | 4.0 | 11.8 |
| | 12 | 7.8 | 3.4 | 75/63 | 41.9 | 33.4 | 54.2 | 3.8 | 11.0 |
| | | | | 80/67 | 45.1 | 35.0 | 57.4 | 3.8 | 11.8 |
| | | | | 85/71 | 48.3 | 36.4 | 60.8 | 3.8 | 12.6 |
| 110 | 6 | 2.2 | 0.9 | 75/63 | 37.7 | 31.6 | 52.3 | 4.5 | 8.3 |
| | | | | 80/67 | 40.5 | 32.9 | 55.3 | 4.6 | 8.8 |
| | | | | 85/71 | 43.3 | 34.6 | 58.3 | 4.6 | 9.3 |
| | 8 | 3.6 | 1.6 | 75/63 | 38.5 | 31.9 | 52.6 | 4.4 | 8.8 |
| | | | | 80/67 | 41.3 | 33.5 | 55.6 | 4.4 | 9.3 |
| | | | | 85/71 | 44.4 | 34.7 | 58.9 | 4.5 | 10.0 |
| | 12 | 7.6 | 3.3 | 75/63 | 39.4 | 32.1 | 53.0 | 4.2 | 9.3 |
| | | | | 80/67 | 42.4 | 33.6 | 56.2 | 4.3 | 9.9 |
| | | | | 85/71 | 45.4 | 35.3 | 59.3 | 4.3 | 10.6 |

GS060 HEATING PERFORMANCE - PART LOAD

| GS060 Heating Performance – Part Load @ 1450 CFM | | | | | | | | |
|--------------------------------------------------|----------------|-------------------------|-------------------|-----------------|----------------|------------------|---------|-----|
| Entering Water °F | Water flow GPM | Pressure Drop Ft. Water | Pressure Drop PSI | Heating | | | | |
| | | | | Ent. Air db, °F | Total KBtu/hr. | Ht. Abs. Btu/hr. | Unit kW | COP |
| 30 | 7.5 | 3.2 | 1.4 | 60 | 30.6 | 22.1 | 2.6 | 3.4 |
| | | | | 70 | 29.4 | 20.2 | 2.9 | 3.0 |
| | | | | 80 | 28.7 | 18.3 | 3.2 | 2.6 |
| | 10 | 5.4 | 2.3 | 60 | 31.4 | 23.0 | 2.6 | 3.5 |
| | | | | 70 | 30.3 | 21.0 | 2.9 | 3.1 |
| | | | | 80 | 29.4 | 19.0 | 3.2 | 2.7 |
| | 15 | 11.1 | 4.8 | 60 | 32.5 | 23.9 | 2.6 | 3.6 |
| | | | | 70 | 31.2 | 21.9 | 2.9 | 3.1 |
| | | | | 80 | 30.3 | 19.8 | 3.2 | 2.8 |
| 40 | 7.5 | 3.1 | 1.3 | 60 | 34.6 | 26.0 | 2.7 | 3.8 |
| | | | | 70 | 33.9 | 24.1 | 2.9 | 3.4 |
| | | | | 80 | 32.8 | 22.1 | 3.3 | 3.0 |
| | 10 | 5.2 | 2.2 | 60 | 35.7 | 27.2 | 2.7 | 3.9 |
| | | | | 70 | 34.9 | 25.1 | 3.0 | 3.5 |
| | | | | 80 | 33.8 | 23.1 | 3.3 | 3.0 |
| | 15 | 10.7 | 4.7 | 60 | 37.1 | 28.5 | 2.7 | 4.1 |
| | | | | 70 | 36.2 | 26.2 | 3.0 | 3.6 |
| | | | | 80 | 35.1 | 24.1 | 3.3 | 3.1 |
| 50 | 7.5 | 2.8 | 1.2 | 60 | 40.2 | 31.4 | 2.7 | 4.4 |
| | | | | 70 | 39.1 | 29.3 | 3.0 | 3.8 |
| | | | | 80 | 37.9 | 27.2 | 3.3 | 3.3 |
| | 10 | 4.7 | 2.0 | 60 | 41.6 | 32.6 | 2.7 | 4.5 |
| | | | | 70 | 40.3 | 30.5 | 3.0 | 3.9 |
| | | | | 80 | 39.1 | 28.3 | 3.3 | 3.4 |
| | 15 | 9.7 | 4.2 | 60 | 43.0 | 34.1 | 2.7 | 4.7 |
| | | | | 70 | 41.8 | 31.7 | 3.0 | 4.1 |
| | | | | 80 | 40.4 | 29.6 | 3.3 | 3.6 |
| 60 | 7.5 | 2.7 | 1.2 | 60 | 45.3 | 36.4 | 2.7 | 4.9 |
| | | | | 70 | 44.2 | 34.1 | 3.0 | 4.3 |
| | | | | 80 | 43.0 | 32.0 | 3.3 | 3.8 |
| | 10 | 4.5 | 2.0 | 60 | 46.8 | 37.9 | 2.7 | 5.0 |
| | | | | 70 | 45.5 | 35.6 | 3.0 | 4.4 |
| | | | | 80 | 44.3 | 33.4 | 3.4 | 3.9 |
| | 15 | 9.4 | 4.1 | 60 | 48.6 | 39.7 | 2.7 | 5.2 |
| | | | | 70 | 47.1 | 37.2 | 3.0 | 4.6 |
| | | | | 80 | 46.0 | 34.8 | 3.4 | 4.0 |
| 70 | 7.5 | 2.6 | 1.1 | 60 | 50.5 | 41.6 | 2.7 | 5.4 |
| | | | | 70 | 49.2 | 39.3 | 3.0 | 4.8 |
| | | | | 80 | 48.3 | 37.0 | 3.4 | 4.2 |
| | 10 | 4.4 | 1.9 | 60 | 52.4 | 43.5 | 2.7 | 5.6 |
| | | | | 70 | 51.0 | 41.0 | 3.0 | 4.9 |
| | | | | 80 | 49.9 | 38.6 | 3.4 | 4.3 |
| | 15 | 9.1 | 3.9 | 60 | 54.5 | 45.5 | 2.7 | 5.8 |
| | | | | 70 | 52.8 | 42.8 | 3.0 | 5.1 |
| | | | | 80 | 51.6 | 40.3 | 3.4 | 4.5 |
| 80 | 7.5 | 2.5 | 1.1 | 60 | 56.0 | 47.1 | 2.7 | 6.0 |
| | | | | 70 | 54.6 | 44.5 | 3.1 | 5.2 |
| | | | | 80 | 53.5 | 42.2 | 3.4 | 4.6 |
| | 10 | 4.2 | 1.8 | 60 | 58.2 | 49.2 | 2.7 | 6.2 |
| | | | | 70 | 56.6 | 46.5 | 3.1 | 5.4 |
| | | | | 80 | 55.2 | 44.0 | 3.4 | 4.7 |
| | 15 | 8.8 | 3.8 | 60 | 60.5 | 51.6 | 2.7 | 6.5 |
| | | | | 70 | 58.8 | 48.7 | 3.1 | 5.6 |
| | | | | 80 | 57.4 | 46.0 | 3.4 | 4.9 |

GS060 HEATING PERFORMANCE - FULL LOAD

| GS060 Heating Performance – Full Load @ 1700 CFM | | | | | | | | |
|--------------------------------------------------|----------------|-------------------------|-------------------|-----------------|----------------|------------------|---------|-----|
| Entering Water °F | Water flow GPM | Pressure Drop Ft. Water | Pressure Drop PSI | Heating | | | | |
| | | | | Ent. Air db, °F | Total KBtu/hr. | Ht. Abs. Btu/hr. | Unit kW | COP |
| 30 | 7.5 | 3.2 | 1.4 | 60 | 40.5 | 28.8 | 3.6 | 3.3 |
| | | | | 70 | 40.0 | 27.2 | 3.9 | 3.0 |
| | | | | 80 | 40.2 | 25.6 | 4.3 | 2.7 |
| | 10 | 5.4 | 2.3 | 60 | 42.1 | 30.0 | 3.6 | 3.4 |
| | | | | 70 | 41.4 | 28.4 | 4.0 | 3.1 |
| | | | | 80 | 41.5 | 26.7 | 4.3 | 2.8 |
| | 15 | 11.1 | 4.8 | 60 | 43.8 | 31.5 | 3.7 | 3.5 |
| | | | | 70 | 42.9 | 29.8 | 4.0 | 3.1 |
| | | | | 80 | 42.7 | 28.0 | 4.4 | 2.9 |
| 40 | 7.5 | 3.1 | 1.3 | 60 | 45.5 | 33.4 | 3.7 | 3.6 |
| | | | | 70 | 45.1 | 31.8 | 4.1 | 3.3 |
| | | | | 80 | 44.7 | 30.1 | 4.4 | 3.0 |
| | 10 | 5.2 | 2.2 | 60 | 47.6 | 35.1 | 3.7 | 3.7 |
| | | | | 70 | 46.8 | 33.3 | 4.1 | 3.4 |
| | | | | 80 | 46.3 | 31.5 | 4.5 | 3.0 |
| | 15 | 10.7 | 4.7 | 60 | 49.7 | 37.1 | 3.8 | 3.8 |
| | | | | 70 | 49.0 | 35.2 | 4.1 | 3.5 |
| | | | | 80 | 48.4 | 33.2 | 4.5 | 3.1 |
| 50 | 7.5 | 2.8 | 1.2 | 60 | 52.8 | 40.0 | 3.9 | 4.0 |
| | | | | 70 | 52.1 | 38.1 | 4.2 | 3.6 |
| | | | | 80 | 51.8 | 36.2 | 4.6 | 3.3 |
| | 10 | 4.7 | 2.0 | 60 | 54.9 | 41.9 | 3.9 | 4.1 |
| | | | | 70 | 54.2 | 39.9 | 4.3 | 3.7 |
| | | | | 80 | 54.0 | 37.8 | 4.7 | 3.4 |
| | 15 | 9.7 | 4.2 | 60 | 57.3 | 44.1 | 4.0 | 4.2 |
| | | | | 70 | 56.2 | 41.8 | 4.3 | 3.8 |
| | | | | 80 | 55.5 | 39.7 | 4.7 | 3.5 |
| 60 | 7.5 | 2.7 | 1.2 | 60 | 59.4 | 46.0 | 4.0 | 4.3 |
| | | | | 70 | 58.4 | 43.9 | 4.4 | 3.9 |
| | | | | 80 | 57.9 | 41.8 | 4.8 | 3.6 |
| | 10 | 4.5 | 2.0 | 60 | 61.8 | 48.3 | 4.1 | 4.5 |
| | | | | 70 | 60.8 | 46.1 | 4.4 | 4.0 |
| | | | | 80 | 60.0 | 43.8 | 4.8 | 3.7 |
| | 15 | 9.4 | 4.1 | 60 | 64.6 | 50.9 | 4.1 | 4.6 |
| | | | | 70 | 63.4 | 48.5 | 4.5 | 4.1 |
| | | | | 80 | 62.3 | 46.0 | 4.9 | 3.8 |
| 70 | 7.5 | 2.6 | 1.1 | 60 | 66.2 | 52.3 | 4.2 | 4.7 |
| | | | | 70 | 65.2 | 50.1 | 4.5 | 4.2 |
| | | | | 80 | 64.4 | 47.7 | 4.9 | 3.8 |
| | 10 | 4.4 | 1.9 | 60 | 69.1 | 55.0 | 4.2 | 4.8 |
| | | | | 70 | 67.8 | 52.5 | 4.6 | 4.3 |
| | | | | 80 | 66.8 | 49.9 | 5.0 | 3.9 |
| | 15 | 9.1 | 3.9 | 60 | 72.3 | 58.0 | 4.3 | 4.9 |
| | | | | 70 | 70.8 | 55.4 | 4.7 | 4.4 |
| | | | | 80 | 69.5 | 52.5 | 5.1 | 4.0 |
| 80 | 7.5 | 2.5 | 1.1 | 60 | 73.2 | 58.8 | 4.3 | 4.9 |
| | | | | 70 | 72.0 | 56.4 | 4.7 | 4.5 |
| | | | | 80 | 70.7 | 53.7 | 5.1 | 4.1 |
| | 10 | 4.2 | 1.8 | 60 | 76.5 | 61.8 | 4.4 | 5.1 |
| | | | | 70 | 75.1 | 59.1 | 4.8 | 4.6 |
| | | | | 80 | 73.8 | 56.3 | 5.2 | 4.2 |
| | 15 | 8.8 | 3.8 | 60 | 80.3 | 65.3 | 4.5 | 5.2 |
| | | | | 70 | 78.5 | 62.3 | 4.9 | 4.7 |
| | | | | 80 | 76.8 | 59.2 | 5.3 | 4.3 |

GS060 COOLING PERFORMANCE - PART LOAD

| GS060 Cooling Performance - Part Load @ 1450 CFM | | | | | | | | | |
|--------------------------------------------------|----------------|-------------------------|-------------------|--------------------|----------------|-------------------|-------------------|---------|------|
| Entering Water °F | Water flow GPM | Pressure Drop Ft. Water | Pressure Drop PSI | Cooling | | | | | |
| | | | | Ent. Air db/wb, °F | Total kBtu/hr. | Sensible kBtu/hr. | Ht. Rej. kBtu/hr. | Unit kW | EER |
| 50 | 7.5 | 2.8 | 1.2 | 75/63 | 45.9 | 34.6 | 52.2 | 2.0 | 23.4 |
| | | | | 80/67 | 49.0 | 35.9 | 55.3 | 1.9 | 25.2 |
| | | | | 85/71 | 52.3 | 36.9 | 58.6 | 1.9 | 27.4 |
| | 10 | 4.7 | 2.0 | 75/63 | 46.6 | 34.9 | 52.8 | 1.9 | 24.7 |
| | | | | 80/67 | 49.8 | 36.2 | 55.9 | 1.9 | 26.7 |
| | | | | 85/71 | 53.3 | 37.4 | 59.3 | 1.8 | 29.2 |
| | 15 | 9.7 | 4.2 | 75/63 | 47.4 | 35.3 | 53.4 | 1.8 | 26.0 |
| | | | | 80/67 | 50.7 | 36.6 | 56.5 | 1.8 | 28.3 |
| | | | | 85/71 | 54.2 | 37.7 | 60.0 | 1.7 | 31.1 |
| 60 | 7.5 | 2.7 | 1.2 | 75/63 | 43.5 | 33.5 | 50.6 | 2.2 | 19.8 |
| | | | | 80/67 | 46.5 | 34.8 | 53.6 | 2.2 | 21.3 |
| | | | | 85/71 | 49.6 | 36.1 | 56.6 | 2.2 | 23.0 |
| | 10 | 4.5 | 2.0 | 75/63 | 44.2 | 33.8 | 51.1 | 2.1 | 20.8 |
| | | | | 80/67 | 47.3 | 35.1 | 54.1 | 2.1 | 22.5 |
| | | | | 85/71 | 50.5 | 36.5 | 57.3 | 2.1 | 24.5 |
| | 15 | 9.4 | 4.1 | 75/63 | 44.9 | 34.1 | 51.5 | 2.1 | 21.8 |
| | | | | 80/67 | 48.1 | 35.5 | 54.7 | 2.0 | 23.8 |
| | | | | 85/71 | 51.5 | 36.8 | 57.9 | 2.0 | 26.0 |
| 70 | 7.5 | 2.6 | 1.1 | 75/63 | 41.0 | 32.3 | 49.0 | 2.5 | 16.6 |
| | | | | 80/67 | 43.9 | 33.7 | 51.8 | 2.5 | 17.9 |
| | | | | 85/71 | 47.0 | 35.0 | 54.8 | 2.4 | 19.3 |
| | 10 | 4.4 | 1.9 | 75/63 | 41.7 | 32.6 | 49.4 | 2.4 | 17.4 |
| | | | | 80/67 | 44.7 | 34.0 | 52.3 | 2.4 | 18.8 |
| | | | | 85/71 | 47.8 | 35.4 | 55.4 | 2.3 | 20.4 |
| | 15 | 9.1 | 3.9 | 75/63 | 42.3 | 32.9 | 49.8 | 2.3 | 18.2 |
| | | | | 80/67 | 45.4 | 34.3 | 52.8 | 2.3 | 19.8 |
| | | | | 85/71 | 48.7 | 35.7 | 56.0 | 2.3 | 21.6 |
| 80 | 7.5 | 2.5 | 1.1 | 75/63 | 38.5 | 31.2 | 47.4 | 2.8 | 13.9 |
| | | | | 80/67 | 41.4 | 32.5 | 50.2 | 2.8 | 15.0 |
| | | | | 85/71 | 44.3 | 34.0 | 53.1 | 2.8 | 16.1 |
| | 10 | 4.2 | 1.8 | 75/63 | 39.1 | 31.5 | 47.8 | 2.7 | 14.5 |
| | | | | 80/67 | 42.1 | 32.8 | 50.7 | 2.7 | 15.7 |
| | | | | 85/71 | 45.1 | 34.2 | 53.6 | 2.7 | 17.0 |
| | 15 | 8.8 | 3.8 | 75/63 | 39.7 | 31.7 | 48.1 | 2.6 | 15.1 |
| | | | | 80/67 | 42.7 | 33.1 | 51.0 | 2.6 | 16.4 |
| | | | | 85/71 | 45.8 | 34.5 | 54.1 | 2.6 | 17.8 |
| 85 | 7.5 | 2.5 | 1.1 | 75/63 | 37.3 | 30.6 | 46.7 | 2.9 | 12.6 |
| | | | | 80/67 | 40.1 | 31.9 | 49.5 | 2.9 | 13.7 |
| | | | | 85/71 | 42.9 | 33.4 | 52.3 | 2.9 | 14.7 |
| | 10 | 4.2 | 1.8 | 75/63 | 37.9 | 30.7 | 47.1 | 2.9 | 13.2 |
| | | | | 80/67 | 40.8 | 32.1 | 49.9 | 2.9 | 14.3 |
| | | | | 85/71 | 43.7 | 33.5 | 52.8 | 2.8 | 15.5 |
| | 15 | 8.7 | 3.8 | 75/63 | 38.4 | 31.1 | 47.3 | 2.8 | 13.7 |
| | | | | 80/67 | 41.3 | 32.5 | 50.2 | 2.8 | 14.9 |
| | | | | 85/71 | 44.4 | 33.7 | 53.3 | 2.7 | 16.2 |
| 90 | 7.5 | 2.5 | 1.1 | 75/63 | 36.1 | 29.8 | 46.0 | 3.1 | 11.5 |
| | | | | 80/67 | 38.7 | 31.4 | 48.7 | 3.1 | 12.4 |
| | | | | 85/71 | 41.6 | 32.6 | 51.6 | 3.1 | 13.4 |
| | 10 | 4.1 | 1.8 | 75/63 | 36.6 | 30.1 | 46.3 | 3.1 | 12.0 |
| | | | | 80/67 | 39.4 | 31.5 | 49.1 | 3.0 | 13.0 |
| | | | | 85/71 | 42.2 | 33.1 | 51.9 | 3.0 | 14.0 |
| | 15 | 8.5 | 3.7 | 75/63 | 37.0 | 30.4 | 46.5 | 3.0 | 12.4 |
| | | | | 80/67 | 40.0 | 31.8 | 49.4 | 3.0 | 13.5 |
| | | | | 85/71 | 42.9 | 33.4 | 52.3 | 2.9 | 14.7 |
| 100 | 7.5 | 2.4 | 1.0 | 75/63 | 33.4 | 28.7 | 44.5 | 3.5 | 9.5 |
| | | | | 80/67 | 36.1 | 30.1 | 47.3 | 3.5 | 10.3 |
| | | | | 85/71 | 38.9 | 31.5 | 50.1 | 3.5 | 11.1 |
| | 10 | 4.0 | 1.7 | 75/63 | 33.9 | 28.9 | 44.8 | 3.4 | 9.8 |
| | | | | 80/67 | 36.6 | 30.5 | 47.5 | 3.4 | 10.7 |
| | | | | 85/71 | 39.4 | 32.0 | 50.3 | 3.4 | 11.6 |
| | 15 | 8.3 | 3.6 | 75/63 | 34.2 | 29.5 | 44.8 | 3.4 | 10.1 |
| | | | | 80/67 | 37.1 | 30.7 | 47.8 | 3.4 | 11.1 |
| | | | | 85/71 | 40.1 | 32.1 | 50.7 | 3.3 | 12.1 |
| 110 | 7.5 | 2.3 | 1.0 | 75/63 | 30.8 | 27.4 | 43.3 | 4.0 | 7.8 |
| | | | | 80/67 | 33.4 | 29.1 | 45.9 | 3.9 | 8.5 |
| | | | | 85/71 | 36.1 | 30.5 | 48.7 | 3.9 | 9.2 |
| | 10 | 3.9 | 1.7 | 75/63 | 31.2 | 27.5 | 43.5 | 3.9 | 8.0 |
| | | | | 80/67 | 33.9 | 29.1 | 46.2 | 3.9 | 8.8 |
| | | | | 85/71 | 36.7 | 30.6 | 49.0 | 3.8 | 9.6 |
| | 15 | 8.0 | 3.5 | 75/63 | 31.4 | 28.2 | 43.5 | 3.8 | 8.2 |
| | | | | 80/67 | 34.2 | 29.7 | 46.2 | 3.8 | 9.0 |
| | | | | 85/71 | 37.0 | 30.3 | 49.2 | 3.8 | 9.7 |

GS060 COOLING PERFORMANCE - FULL LOAD

| GS060 Cooling Performance - Full Load @ 1700 CFM | | | | | | | | | |
|--------------------------------------------------|----------------|-------------------------|-------------------|--------------------|----------------|-------------------|-------------------|---------|------|
| Entering Water °F | Water flow GPM | Pressure Drop Ft. Water | Pressure Drop PSI | Cooling | | | | | |
| | | | | Ent. Air db/wb, °F | Total kBtu/hr. | Sensible kBtu/hr. | Ht. Rej. kBtu/hr. | Unit kW | EER |
| 50 | 7.5 | 2.8 | 1.2 | 75/63 | 58.7 | 42.2 | 69.1 | 3.2 | 18.4 |
| | | | | 80/67 | 62.8 | 43.7 | 73.5 | 3.2 | 19.4 |
| | | | | 85/71 | 67.0 | 45.3 | 77.8 | 3.3 | 20.4 |
| | 10 | 4.7 | 2.0 | 75/63 | 59.6 | 42.7 | 69.7 | 3.1 | 19.3 |
| | | | | 80/67 | 63.8 | 44.1 | 74.2 | 3.1 | 20.4 |
| | | | | 85/71 | 68.2 | 45.5 | 78.8 | 3.2 | 21.4 |
| | 15 | 9.7 | 4.2 | 75/63 | 60.2 | 44.1 | 69.9 | 3.0 | 20.3 |
| | | | | 80/67 | 64.8 | 44.5 | 74.9 | 3.1 | 21.2 |
| | | | | 85/71 | 69.4 | 46.0 | 79.6 | 3.1 | 22.4 |
| 60 | 7.5 | 2.7 | 1.2 | 75/63 | 56.5 | 41.1 | 67.7 | 3.4 | 16.4 |
| | | | | 80/67 | 60.3 | 43.0 | 71.7 | 3.5 | 17.3 |
| | | | | 85/71 | 64.4 | 44.4 | 76.0 | 3.5 | 18.3 |
| | 10 | 4.5 | 2.0 | 75/63 | 57.3 | 41.5 | 68.2 | 3.3 | 17.2 |
| | | | | 80/67 | 61.3 | 43.2 | 72.4 | 3.4 | 18.2 |
| | | | | 85/71 | 65.6 | 44.7 | 76.8 | 3.4 | 19.2 |
| | 15 | 9.4 | 4.1 | 75/63 | 57.9 | 41.1 | 68.7 | 3.3 | 17.5 |
| | | | | 80/67 | 62.1 | 42.4 | 73.1 | 3.4 | 18.5 |
| | | | | 85/71 | 66.7 | 44.8 | 77.7 | 3.3 | 20.1 |
| 70 | 7.5 | 2.6 | 1.1 | 75/63 | 54.1 | 40.0 | 66.3 | 3.7 | 14.5 |
| | | | | 80/67 | 57.8 | 41.9 | 70.1 | 3.8 | 15.3 |
| | | | | 85/71 | 61.8 | 43.4 | 74.3 | 3.8 | 16.2 |
| | 10 | 4.4 | 1.9 | 75/63 | 54.9 | 40.4 | 66.7 | 3.6 | 15.1 |
| | | | | 80/67 | 58.7 | 42.3 | 70.7 | 3.7 | 16.1 |
| | | | | 85/71 | 62.9 | 43.8 | 75.0 | 3.7 | 17.0 |
| | 15 | 9.1 | 3.9 | 75/63 | 55.5 | 40.0 | 67.2 | 3.6 | 15.5 |
| | | | | 80/67 | 59.6 | 41.4 | 71.4 | 3.6 | 16.5 |
| | | | | 85/71 | 63.7 | 45.0 | 75.4 | 3.6 | 17.9 |
| 80 | 7.5 | 2.5 | 1.1 | 75/63 | 51.7 | 39.0 | 64.8 | 4.1 | 12.7 |
| | | | | 80/67 | 55.3 | 40.8 | 68.6 | 4.1 | 13.5 |
| | | | | 85/71 | 59.1 | 42.3 | 72.6 | 4.1 | 14.3 |
| | 10 | 4.2 | 1.8 | 75/63 | 52.4 | 39.4 | 65.2 | 4.0 | 13.2 |
| | | | | 80/67 | 56.2 | 41.2 | 69.1 | 4.0 | 14.1 |
| | | | | 85/71 | 60.1 | 42.7 | 73.2 | 4.0 | 15.0 |
| | 15 | 8.8 | 3.8 | 75/63 | 53.0 | 40.5 | 65.3 | 3.8 | 13.9 |
| | | | | 80/67 | 57.0 | 40.5 | 69.8 | 3.9 | 14.5 |
| | | | | 85/71 | 61.0 | 43.0 | 73.8 | 3.9 | 15.6 |
| 85 | 7.5 | 2.5 | 1.1 | 75/63 | 50.5 | 38.3 | 64.3 | 4.3 | 11.9 |
| | | | | 80/67 | 54.0 | 40.2 | 67.9 | 4.3 | 12.6 |
| | | | | 85/71 | 57.7 | 41.7 | 71.8 | 4.3 | 13.3 |
| | 10 | 4.2 | 1.8 | 75/63 | 51.2 | 38.6 | 64.7 | 4.2 | 12.3 |
| | | | | 80/67 | 54.8 | 40.6 | 68.4 | 4.2 | 13.2 |
| | | | | 85/71 | 58.7 | 42.1 | 72.4 | 4.2 | 14.0 |
| | 15 | 8.7 | 3.8 | 75/63 | 51.7 | 39.8 | 64.7 | 4.0 | 12.9 |
| | | | | 80/67 | 55.5 | 41.5 | 68.6 | 4.0 | 13.8 |
| | | | | 85/71 | 59.5 | 41.7 | 73.0 | 4.1 | 14.4 |
| 90 | 7.5 | 2.5 | 1.1 | 75/63 | 49.3 | 37.7 | 63.7 | 4.5 | 11.0 |
| | | | | 80/67 | 52.7 | 39.6 | 67.2 | 4.5 | 11.7 |
| | | | | 85/71 | 56.3 | 41.2 | 71.1 | 4.5 | 12.4 |
| | 10 | 4.1 | 1.8 | 75/63 | 50.0 | 38.0 | 64.1 | 4.4 | 11.5 |
| | | | | 80/67 | 53.5 | 40.0 | 67.7 | 4.4 | 12.2 |
| | | | | 85/71 | 57.3 | 41.5 | 71.6 | 4.4 | 13.0 |
| | 15 | 8.5 | 3.7 | 75/63 | 50.4 | 39.1 | 64.0 | 4.2 | 12.0 |
| | | | | 80/67 | 54.2 | 40.4 | 68.0 | 4.2 | 12.8 |
| | | | | 85/71 | 58.1 | 41.2 | 72.2 | 4.3 | 13.4 |
| 100 | 7.5 | 2.4 | 1.0 | 75/63 | 46.6 | 36.8 | 62.5 | 4.9 | 9.5 |
| | | | | 80/67 | 50.0 | 38.2 | 66.1 | 5.0 | 10.1 |
| | | | | 85/71 | 53.6 | 39.5 | 69.9 | 5.0 | 10.7 |
| | 10 | 4.0 | 1.7 | 75/63 | 47.2 | 37.1 | 62.7 | 4.8 | 9.8 |
| | | | | 80/67 | 50.7 | 38.8 | 66.3 | 4.8 | 10.5 |
| | | | | 85/71 | 54.4 | 40.1 | 70.1 | 4.9 | 11.2 |
| | 15 | 8.3 | 3.6 | 75/63 | 47.6 | 37.2 | 62.9 | 4.7 | 10.1 |
| | | | | 80/67 | 51.4 | 38.7 | 66.7 | 4.7 | 10.8 |
| | | | | 85/71 | 55.0 | 40.3 | 70.4 | 4.8 | 11.5 |
| 110 | 7.5 | 2.3 | 1.0 | 75/63 | 44.1 | 35.6 | 61.6 | 5.4 | 8.1 |
| | | | | 80/67 | 47.3 | 37.1 | 65.0 | 5.5 | 8.7 |
| | | | | 85/71 | 50.7 | 38.4 | 68.6 | 5.5 | 9.2 |
| | 10 | 3.9 | 1.7 | 75/63 | 44.6 | 35.8 | 61.7 | 5.3 | 8.4 |
| | | | | 80/67 | 47.9 | 37.3 | 65.2 | 5.3 | 9.0 |
| | | | | 85/71 | 51.4 | 38.6 | 68.9 | 5.4 | 9.6 |
| | 15 | 8.0 | 3.5 | 75/63 | 45.1 | 36.1 | 61.9 | 5.2 | 8.7 |
| | | | | 80/67 | 48.5 | 37.6 | 65.4 | 5.2 | 9.3 |
| | | | | 85/71 | 52.0 | 39.2 | 69.1 | 5.3 | 9.9 |

GS070 HEATING PERFORMANCE - PART LOAD

| GS070 Heating Performance – Part Load @ 1600 CFM | | | | | | | | |
|--------------------------------------------------|----------------|-------------------------|-------------------|-----------------|----------------|------------------|---------|-----|
| Entering Water °F | Water flow GPM | Pressure Drop Ft. Water | Pressure Drop PSI | Heating | | | | |
| | | | | Ent. Air db, °F | Total KBtu/hr. | Ht. Abs. Btu/hr. | Unit kW | COP |
| 30 | 9 | 2.4 | 1.0 | 60 | 37.3 | 26.4 | 3.4 | 3.2 |
| | | | | 70 | 37.0 | 24.5 | 3.7 | 2.9 |
| | | | | 80 | 32.6 | 23.0 | 4.0 | 2.4 |
| | 12 | 4.0 | 1.7 | 60 | 38.5 | 27.3 | 3.4 | 3.3 |
| | | | | 70 | 37.8 | 25.4 | 3.7 | 3.0 |
| | | | | 80 | 37.6 | 22.0 | 4.1 | 2.7 |
| | 18 | 8.4 | 3.6 | 60 | 39.6 | 28.5 | 3.4 | 3.4 |
| | | | | 70 | 38.5 | 26.3 | 3.7 | 3.0 |
| | | | | 80 | 38.2 | 24.5 | 4.2 | 2.7 |
| 40 | 9 | 2.3 | 1.0 | 60 | 42.4 | 31.3 | 3.4 | 3.6 |
| | | | | 70 | 41.6 | 29.3 | 3.8 | 3.2 |
| | | | | 80 | 41.2 | 27.4 | 4.2 | 2.9 |
| | 12 | 3.9 | 1.7 | 60 | 43.7 | 32.5 | 3.4 | 3.7 |
| | | | | 70 | 42.9 | 30.5 | 3.8 | 3.3 |
| | | | | 80 | 42.2 | 28.3 | 4.2 | 2.9 |
| | 18 | 8.1 | 3.5 | 60 | 45.2 | 33.9 | 3.4 | 3.9 |
| | | | | 70 | 44.0 | 31.6 | 3.8 | 3.4 |
| | | | | 80 | 44.0 | 27.7 | 4.2 | 3.0 |
| 50 | 9 | 2.1 | 0.9 | 60 | 49.0 | 37.4 | 3.5 | 4.1 |
| | | | | 70 | 48.3 | 35.0 | 3.9 | 3.7 |
| | | | | 80 | 48.1 | 33.7 | 4.3 | 3.3 |
| | 12 | 3.5 | 1.5 | 60 | 50.6 | 38.8 | 3.5 | 4.2 |
| | | | | 70 | 50.3 | 37.7 | 3.9 | 3.8 |
| | | | | 80 | 44.7 | 34.6 | 4.2 | 3.1 |
| | 18 | 7.3 | 3.2 | 60 | 52.6 | 41.0 | 3.5 | 4.4 |
| | | | | 70 | 50.8 | 38.1 | 3.9 | 3.8 |
| | | | | 80 | 50.2 | 35.5 | 4.3 | 3.4 |
| 60 | 9 | 2.0 | 0.9 | 60 | 55.4 | 43.5 | 3.5 | 4.6 |
| | | | | 70 | 54.5 | 41.0 | 3.9 | 4.1 |
| | | | | 80 | 54.3 | 40.3 | 4.4 | 3.6 |
| | 12 | 3.4 | 1.5 | 60 | 57.2 | 45.3 | 3.6 | 4.7 |
| | | | | 70 | 56.2 | 43.2 | 4.0 | 4.2 |
| | | | | 80 | 55.7 | 40.4 | 4.4 | 3.7 |
| | 18 | 7.1 | 3.1 | 60 | 59.4 | 48.1 | 3.6 | 4.9 |
| | | | | 70 | 57.5 | 43.9 | 4.0 | 4.3 |
| | | | | 80 | 52.8 | 42.4 | 4.3 | 3.6 |
| 70 | 9 | 2.0 | 0.9 | 60 | 62.1 | 49.8 | 3.6 | 5.1 |
| | | | | 70 | 61.3 | 47.3 | 4.0 | 4.5 |
| | | | | 80 | 61.0 | 46.3 | 4.5 | 4.0 |
| | 12 | 3.3 | 1.4 | 60 | 64.3 | 52.1 | 3.6 | 5.2 |
| | | | | 70 | 64.5 | 50.8 | 4.0 | 4.7 |
| | | | | 80 | 62.9 | 48.1 | 4.5 | 4.1 |
| | 18 | 6.9 | 3.0 | 60 | 66.5 | 54.2 | 3.6 | 5.4 |
| | | | | 70 | 65.8 | 50.4 | 4.0 | 4.8 |
| | | | | 80 | 59.4 | 48.8 | 4.3 | 4.0 |
| 80 | 9 | 1.9 | 0.8 | 60 | 69.0 | 56.7 | 3.7 | 5.5 |
| | | | | 70 | 68.7 | 56.7 | 4.1 | 4.9 |
| | | | | 80 | 67.5 | 52.5 | 4.5 | 4.4 |
| | 12 | 3.2 | 1.4 | 60 | 71.6 | 58.8 | 3.7 | 5.7 |
| | | | | 70 | 71.3 | 58.1 | 4.1 | 5.1 |
| | | | | 80 | 70.2 | 54.4 | 4.6 | 4.5 |
| | 18 | 6.6 | 2.9 | 60 | 75.1 | 62.0 | 3.7 | 5.9 |
| | | | | 70 | 73.5 | 57.2 | 4.1 | 5.2 |
| | | | | 80 | 66.2 | 55.7 | 4.4 | 4.4 |

GS070 HEATING PERFORMANCE - FULL LOAD

| GS070 Heating Performance – Full Load @ 1925 CFM | | | | | | | | |
|--------------------------------------------------|----------------|-------------------------|-------------------|-----------------|----------------|------------------|---------|-----|
| Entering Water °F | Water flow GPM | Pressure Drop Ft. Water | Pressure Drop PSI | Heating | | | | |
| | | | | Ent. Air db, °F | Total KBtu/hr. | Ht. Abs. Btu/hr. | Unit kW | COP |
| 30 | 9 | 2.4 | 1.0 | 60 | 46.8 | 32.7 | 4.2 | 3.3 |
| | | | | 70 | 46.8 | 31.2 | 4.6 | 3.0 |
| | | | | 80 | 45.9 | 29.3 | 5.0 | 2.7 |
| | 12 | 4.0 | 1.7 | 60 | 48.7 | 34.4 | 4.2 | 3.4 |
| | | | | 70 | 47.6 | 32.2 | 4.6 | 3.0 |
| | | | | 80 | 47.5 | 30.5 | 5.0 | 2.8 |
| | 18 | 8.4 | 3.6 | 60 | 50.2 | 35.8 | 4.3 | 3.5 |
| | | | | 70 | 49.8 | 34.1 | 4.7 | 3.1 |
| | | | | 80 | 49.5 | 32.3 | 5.1 | 2.9 |
| 40 | 9 | 2.3 | 1.0 | 60 | 53.0 | 38.5 | 4.3 | 3.6 |
| | | | | 70 | 52.3 | 36.7 | 4.7 | 3.3 |
| | | | | 80 | 51.9 | 35.0 | 5.2 | 2.9 |
| | 12 | 3.9 | 1.7 | 60 | 55.2 | 40.7 | 4.4 | 3.7 |
| | | | | 70 | 54.2 | 38.5 | 4.8 | 3.3 |
| | | | | 80 | 54.5 | 36.3 | 5.2 | 3.1 |
| | 18 | 8.1 | 3.5 | 60 | 57.4 | 42.2 | 4.4 | 3.8 |
| | | | | 70 | 56.2 | 39.7 | 4.8 | 3.4 |
| | | | | 80 | 55.2 | 38.1 | 5.2 | 3.1 |
| 50 | 9 | 2.1 | 0.9 | 60 | 61.6 | 46.0 | 4.5 | 4.0 |
| | | | | 70 | 61.4 | 45.3 | 4.9 | 3.7 |
| | | | | 80 | 61.1 | 42.8 | 5.4 | 3.3 |
| | 12 | 3.5 | 1.5 | 60 | 63.7 | 48.3 | 4.6 | 4.1 |
| | | | | 70 | 63.3 | 46.3 | 5.0 | 3.7 |
| | | | | 80 | 61.4 | 42.6 | 5.4 | 3.4 |
| | 18 | 7.3 | 3.2 | 60 | 61.3 | 50.1 | 4.5 | 4.0 |
| | | | | 70 | 64.9 | 47.8 | 5.0 | 3.8 |
| | | | | 80 | 64.1 | 45.7 | 5.4 | 3.5 |
| 60 | 9 | 2.0 | 0.9 | 60 | 69.2 | 53.1 | 4.7 | 4.4 |
| | | | | 70 | 68.0 | 50.8 | 5.1 | 3.9 |
| | | | | 80 | 67.8 | 50.8 | 5.6 | 3.6 |
| | 12 | 3.4 | 1.5 | 60 | 71.6 | 56.0 | 4.7 | 4.4 |
| | | | | 70 | 71.6 | 54.1 | 5.1 | 4.1 |
| | | | | 80 | 70.1 | 51.7 | 5.6 | 3.7 |
| | 18 | 7.1 | 3.1 | 60 | 74.6 | 59.1 | 4.8 | 4.6 |
| | | | | 70 | 72.6 | 55.3 | 5.2 | 4.1 |
| | | | | 80 | 71.8 | 53.1 | 5.6 | 3.7 |
| 70 | 9 | 2.0 | 0.9 | 60 | 76.8 | 61.1 | 4.8 | 4.6 |
| | | | | 70 | 77.7 | 58.5 | 5.3 | 4.6 |
| | | | | 80 | 76.0 | 58.0 | 5.8 | 3.9 |
| | 12 | 3.3 | 1.4 | 60 | 82.2 | 65.2 | 5.0 | 4.9 |
| | | | | 70 | 80.3 | 62.6 | 5.4 | 4.4 |
| | | | | 80 | 78.8 | 58.6 | 5.8 | 4.0 |
| | 18 | 6.9 | 3.0 | 60 | 77.9 | 64.7 | 4.9 | 4.7 |
| | | | | 70 | 82.4 | 65.1 | 5.4 | 4.5 |
| | | | | 80 | 80.0 | 59.8 | 5.8 | 4.0 |
| 80 | 9 | 1.9 | 0.8 | 60 | 85.1 | 68.8 | 5.0 | 5.0 |
| | | | | 70 | 85.7 | 69.0 | 5.5 | 4.6 |
| | | | | 80 | 84.7 | 64.2 | 5.9 | 4.2 |
| | 12 | 3.2 | 1.4 | 60 | 90.5 | 73.5 | 5.2 | 5.2 |
| | | | | 70 | 88.9 | 69.0 | 5.6 | 4.7 |
| | | | | 80 | 87.5 | 67.6 | 6.0 | 4.3 |
| | 18 | 6.6 | 2.9 | 60 | 94.2 | 77.5 | 5.2 | 5.3 |
| | | | | 70 | 91.6 | 73.4 | 5.6 | 4.8 |
| | | | | 80 | 89.2 | 69.4 | 6.1 | 4.3 |

GS070 COOLING PERFORMANCE - PART LOAD

| GS070 Cooling Performance - Part Load @ 1600 CFM | | | | | | | | | |
|--------------------------------------------------|----------------|-------------------------|-------------------|--------------------|----------------|-------------------|-------------------|---------|------|
| Entering Water °F | Water flow GPM | Pressure Drop Ft. Water | Pressure Drop PSI | Cooling | | | | | |
| | | | | Ent. Air db/wb, °F | Total kBtu/hr. | Sensible kBtu/hr. | Ht. Rej. kBtu/hr. | Unit kW | EER |
| 50 | 9 | 2.1 | 0.9 | 75/63 | 55.8 | 41.7 | 64.6 | 2.7 | 20.6 |
| | | | | 80/67 | 59.7 | 43.2 | 68.5 | 2.7 | 22.1 |
| | | | | 85/71 | 63.8 | 44.3 | 72.6 | 2.7 | 23.7 |
| | 12 | 3.5 | 1.5 | 75/63 | 56.7 | 42.1 | 65.2 | 2.6 | 21.8 |
| | | | | 80/67 | 60.7 | 43.5 | 69.2 | 2.6 | 23.6 |
| | | | | 85/71 | 64.9 | 44.8 | 73.4 | 2.6 | 25.4 |
| | 18 | 7.3 | 3.2 | 75/63 | 57.6 | 42.5 | 65.8 | 2.5 | 23.1 |
| | | | | 80/67 | 61.8 | 43.9 | 69.9 | 2.5 | 25.1 |
| | | | | 85/71 | 66.1 | 45.2 | 74.1 | 2.4 | 27.3 |
| 60 | 9 | 2.0 | 0.9 | 75/63 | 53.4 | 40.5 | 63.2 | 3.0 | 17.7 |
| | | | | 80/67 | 57.2 | 42.0 | 67.0 | 3.0 | 18.9 |
| | | | | 85/71 | 61.1 | 43.3 | 71.0 | 3.0 | 20.3 |
| | 12 | 3.4 | 1.5 | 75/63 | 54.3 | 41.0 | 63.7 | 2.9 | 18.7 |
| | | | | 80/67 | 58.2 | 42.4 | 67.6 | 2.9 | 20.1 |
| | | | | 85/71 | 62.2 | 43.7 | 71.7 | 2.9 | 21.6 |
| | 18 | 7.1 | 3.1 | 75/63 | 55.1 | 41.3 | 64.2 | 2.8 | 19.7 |
| | | | | 80/67 | 59.2 | 42.8 | 68.2 | 2.8 | 21.3 |
| | | | | 85/71 | 63.2 | 44.3 | 72.3 | 2.7 | 23.1 |
| 70 | 9 | 2.0 | 0.9 | 75/63 | 50.9 | 39.4 | 61.9 | 3.4 | 15.1 |
| | | | | 80/67 | 54.5 | 41.1 | 65.5 | 3.4 | 16.1 |
| | | | | 85/71 | 58.4 | 42.3 | 69.4 | 3.4 | 17.2 |
| | 12 | 3.3 | 1.4 | 75/63 | 51.7 | 39.7 | 62.3 | 3.3 | 15.8 |
| | | | | 80/67 | 55.4 | 41.4 | 66.0 | 3.3 | 17.0 |
| | | | | 85/71 | 59.3 | 42.9 | 69.9 | 3.2 | 18.3 |
| | 18 | 6.9 | 3.0 | 75/63 | 52.5 | 40.0 | 62.7 | 3.2 | 16.6 |
| | | | | 80/67 | 56.3 | 41.8 | 66.5 | 3.1 | 18.0 |
| | | | | 85/71 | 60.4 | 43.1 | 70.6 | 3.1 | 19.5 |
| 80 | 9 | 1.9 | 0.8 | 75/63 | 48.3 | 38.5 | 60.5 | 3.8 | 12.7 |
| | | | | 80/67 | 51.8 | 40.0 | 64.1 | 3.8 | 13.6 |
| | | | | 85/71 | 55.4 | 41.5 | 67.8 | 3.8 | 14.6 |
| | 12 | 3.2 | 1.4 | 75/63 | 49.0 | 38.8 | 60.9 | 3.7 | 13.4 |
| | | | | 80/67 | 52.7 | 40.4 | 64.5 | 3.7 | 14.4 |
| | | | | 85/71 | 56.5 | 41.7 | 68.4 | 3.7 | 15.4 |
| | 18 | 6.6 | 2.9 | 75/63 | 49.7 | 39.1 | 61.2 | 3.6 | 14.0 |
| | | | | 80/67 | 53.5 | 40.7 | 64.9 | 3.5 | 15.1 |
| | | | | 85/71 | 57.4 | 42.0 | 68.9 | 3.5 | 16.3 |
| 85 | 9 | 1.9 | 0.8 | 75/63 | 47.0 | 37.7 | 60.0 | 4.0 | 11.7 |
| | | | | 80/67 | 50.5 | 39.3 | 63.5 | 4.0 | 12.6 |
| | | | | 85/71 | 54.1 | 40.8 | 67.2 | 4.0 | 13.4 |
| | 12 | 3.1 | 1.4 | 75/63 | 47.7 | 38.0 | 60.3 | 3.9 | 12.3 |
| | | | | 80/67 | 51.3 | 39.6 | 63.9 | 3.9 | 13.2 |
| | | | | 85/71 | 54.9 | 41.4 | 67.5 | 3.9 | 14.1 |
| | 18 | 6.5 | 2.8 | 75/63 | 48.4 | 38.3 | 60.6 | 3.8 | 12.8 |
| | | | | 80/67 | 52.1 | 39.9 | 64.3 | 3.8 | 13.8 |
| | | | | 85/71 | 55.8 | 41.7 | 68.0 | 3.7 | 14.9 |
| 90 | 9 | 1.8 | 0.8 | 75/63 | 45.7 | 37.2 | 59.4 | 4.3 | 10.7 |
| | | | | 80/67 | 49.0 | 39.0 | 62.8 | 4.3 | 11.5 |
| | | | | 85/71 | 52.5 | 40.5 | 66.4 | 4.3 | 12.3 |
| | 12 | 3.1 | 1.3 | 75/63 | 46.3 | 37.6 | 59.6 | 4.1 | 11.2 |
| | | | | 80/67 | 49.8 | 39.3 | 63.1 | 4.1 | 12.1 |
| | | | | 85/71 | 53.5 | 40.6 | 66.9 | 4.1 | 13.0 |
| | 18 | 6.4 | 2.8 | 75/63 | 46.9 | 37.9 | 59.9 | 4.0 | 11.7 |
| | | | | 80/67 | 50.6 | 39.6 | 63.5 | 4.0 | 12.6 |
| | | | | 85/71 | 54.3 | 41.2 | 67.2 | 4.0 | 13.6 |
| 100 | 9 | 1.8 | 0.8 | 75/63 | 42.9 | 36.0 | 58.3 | 4.8 | 8.9 |
| | | | | 80/67 | 46.2 | 37.7 | 61.7 | 4.8 | 9.6 |
| | | | | 85/71 | 49.6 | 39.3 | 65.2 | 4.8 | 10.3 |
| | 12 | 3.0 | 1.3 | 75/63 | 43.6 | 36.3 | 58.6 | 4.7 | 9.3 |
| | | | | 80/67 | 47.0 | 38.0 | 62.0 | 4.7 | 10.1 |
| | | | | 85/71 | 50.3 | 39.8 | 65.4 | 4.7 | 10.8 |
| | 18 | 6.2 | 2.7 | 75/63 | 44.1 | 36.5 | 58.8 | 4.6 | 9.7 |
| | | | | 80/67 | 47.6 | 38.2 | 62.3 | 4.5 | 10.5 |
| | | | | 85/71 | 51.1 | 40.1 | 65.8 | 4.5 | 11.3 |
| 110 | 9 | 1.7 | 0.8 | 75/63 | 40.2 | 34.9 | 57.5 | 5.4 | 7.4 |
| | | | | 80/67 | 43.3 | 36.6 | 60.8 | 5.4 | 8.0 |
| | | | | 85/71 | 46.7 | 38.2 | 64.1 | 5.4 | 8.7 |
| | 12 | 2.9 | 1.3 | 75/63 | 40.6 | 35.4 | 57.6 | 5.3 | 7.7 |
| | | | | 80/67 | 43.9 | 37.1 | 60.9 | 5.3 | 8.3 |
| | | | | 85/71 | 47.3 | 38.8 | 64.3 | 5.3 | 9.0 |
| | 18 | 6.1 | 2.6 | 75/63 | 41.2 | 35.3 | 57.8 | 5.2 | 8.0 |
| | | | | 80/67 | 44.5 | 37.3 | 61.1 | 5.1 | 8.6 |
| | | | | 85/71 | 48.0 | 38.8 | 64.6 | 5.1 | 9.4 |

GS070 COOLING PERFORMANCE - FULL LOAD

| GS070 Cooling Performance - Full Load @ 1925 CFM | | | | | | | | | |
|--------------------------------------------------|----------------|-------------------------|-------------------|--------------------|----------------|-------------------|-------------------|---------|------|
| Entering Water °F | Water flow GPM | Pressure Drop Ft. Water | Pressure Drop PSI | Cooling | | | | | |
| | | | | Ent. Air db/wb, °F | Total kBtu/hr. | Sensible kBtu/hr. | Ht. Rej. kBtu/hr. | Unit kW | EER |
| 50 | 9 | 2.1 | 0.9 | 75/63 | 64.8 | 48.8 | 76.5 | 3.6 | 18.2 |
| | | | | 80/67 | 69.2 | 50.6 | 81.1 | 3.6 | 19.1 |
| | | | | 85/71 | 73.7 | 52.3 | 85.9 | 3.7 | 20.0 |
| | 12 | 3.5 | 1.5 | 75/63 | 66.0 | 49.2 | 77.3 | 3.4 | 19.2 |
| | | | | 80/67 | 70.5 | 51.1 | 82.0 | 3.5 | 20.2 |
| | | | | 85/71 | 75.2 | 52.8 | 86.9 | 3.5 | 21.2 |
| | 18 | 7.3 | 3.2 | 75/63 | 67.1 | 49.7 | 78.0 | 3.3 | 20.3 |
| | | | | 80/67 | 71.9 | 51.4 | 83.0 | 3.4 | 21.4 |
| | | | | 85/71 | 76.6 | 53.3 | 88.0 | 3.4 | 22.5 |
| 60 | 9 | 2.0 | 0.9 | 75/63 | 62.3 | 47.8 | 74.9 | 3.8 | 16.2 |
| | | | | 80/67 | 66.5 | 49.6 | 79.4 | 3.9 | 17.0 |
| | | | | 85/71 | 70.9 | 51.3 | 84.0 | 4.0 | 17.9 |
| | 12 | 3.4 | 1.5 | 75/63 | 63.3 | 48.3 | 75.5 | 3.7 | 17.0 |
| | | | | 80/67 | 67.8 | 50.0 | 80.2 | 3.8 | 18.0 |
| | | | | 85/71 | 72.3 | 51.7 | 84.9 | 3.8 | 18.9 |
| | 18 | 7.1 | 3.1 | 75/63 | 64.4 | 48.7 | 76.2 | 3.6 | 17.9 |
| | | | | 80/67 | 69.0 | 50.5 | 81.0 | 3.6 | 18.9 |
| | | | | 85/71 | 73.7 | 52.2 | 85.9 | 3.7 | 20.0 |
| 70 | 9 | 2.0 | 0.9 | 75/63 | 59.7 | 46.7 | 73.3 | 4.2 | 14.3 |
| | | | | 80/67 | 63.8 | 48.5 | 77.6 | 4.2 | 15.1 |
| | | | | 85/71 | 68.1 | 50.0 | 82.1 | 4.3 | 15.9 |
| | 12 | 3.3 | 1.4 | 75/63 | 60.7 | 47.1 | 73.9 | 4.0 | 15.0 |
| | | | | 80/67 | 64.9 | 48.8 | 78.3 | 4.1 | 15.9 |
| | | | | 85/71 | 69.4 | 50.4 | 83.0 | 4.1 | 16.7 |
| | 18 | 6.9 | 3.0 | 75/63 | 61.6 | 47.5 | 74.5 | 3.9 | 15.7 |
| | | | | 80/67 | 66.1 | 49.2 | 79.1 | 4.0 | 16.7 |
| | | | | 85/71 | 70.7 | 50.8 | 83.9 | 4.0 | 17.6 |
| 80 | 9 | 1.9 | 0.8 | 75/63 | 57.0 | 45.6 | 71.7 | 4.5 | 12.6 |
| | | | | 80/67 | 61.0 | 47.2 | 76.0 | 4.6 | 13.3 |
| | | | | 85/71 | 64.9 | 49.2 | 80.1 | 4.7 | 13.9 |
| | 12 | 3.2 | 1.4 | 75/63 | 57.9 | 46.0 | 72.2 | 4.4 | 13.2 |
| | | | | 80/67 | 62.1 | 47.6 | 76.6 | 4.5 | 13.9 |
| | | | | 85/71 | 66.2 | 49.5 | 81.0 | 4.5 | 14.7 |
| | 18 | 6.6 | 2.9 | 75/63 | 58.8 | 46.3 | 72.8 | 4.3 | 13.7 |
| | | | | 80/67 | 63.1 | 47.9 | 77.3 | 4.3 | 14.6 |
| | | | | 85/71 | 67.5 | 49.6 | 81.8 | 4.4 | 15.5 |
| 85 | 9 | 1.9 | 0.8 | 75/63 | 55.6 | 45.0 | 71.0 | 4.7 | 11.7 |
| | | | | 80/67 | 59.6 | 46.5 | 75.2 | 4.8 | 12.4 |
| | | | | 85/71 | 63.5 | 48.2 | 79.4 | 4.9 | 13.1 |
| | 12 | 3.1 | 1.4 | 75/63 | 56.5 | 45.3 | 71.5 | 4.6 | 12.3 |
| | | | | 80/67 | 60.6 | 46.8 | 75.8 | 4.7 | 13.0 |
| | | | | 85/71 | 64.6 | 49.0 | 79.9 | 4.7 | 13.7 |
| | 18 | 6.5 | 2.8 | 75/63 | 57.4 | 45.6 | 72.0 | 4.5 | 12.8 |
| | | | | 80/67 | 61.5 | 47.5 | 76.3 | 4.5 | 13.6 |
| | | | | 85/71 | 65.8 | 49.4 | 80.7 | 4.6 | 14.5 |
| 90 | 9 | 1.8 | 0.8 | 75/63 | 54.2 | 44.2 | 70.3 | 5.0 | 10.9 |
| | | | | 80/67 | 58.0 | 46.2 | 74.3 | 5.0 | 11.6 |
| | | | | 85/71 | 62.0 | 47.6 | 78.6 | 5.1 | 12.2 |
| | 12 | 3.1 | 1.3 | 75/63 | 55.1 | 44.6 | 70.8 | 4.8 | 11.4 |
| | | | | 80/67 | 59.0 | 46.6 | 74.8 | 4.9 | 12.1 |
| | | | | 85/71 | 63.1 | 48.1 | 79.1 | 4.9 | 12.8 |
| | 18 | 6.4 | 2.8 | 75/63 | 56.0 | 44.9 | 71.2 | 4.7 | 11.9 |
| | | | | 80/67 | 60.0 | 46.9 | 75.4 | 4.7 | 12.7 |
| | | | | 85/71 | 64.2 | 48.4 | 79.8 | 4.8 | 13.5 |
| 100 | 9 | 1.8 | 0.8 | 75/63 | 51.4 | 42.9 | 69.0 | 5.5 | 9.4 |
| | | | | 80/67 | 55.0 | 45.1 | 72.8 | 5.5 | 10.0 |
| | | | | 85/71 | 58.9 | 46.6 | 76.9 | 5.5 | 10.7 |
| | 12 | 3.0 | 1.3 | 75/63 | 52.2 | 43.3 | 69.4 | 5.3 | 9.8 |
| | | | | 80/67 | 55.9 | 45.4 | 73.3 | 5.3 | 10.5 |
| | | | | 85/71 | 60.0 | 46.9 | 77.5 | 5.4 | 11.2 |
| | 18 | 6.2 | 2.7 | 75/63 | 52.9 | 43.9 | 69.6 | 5.2 | 10.2 |
| | | | | 80/67 | 56.8 | 45.8 | 73.7 | 5.2 | 10.9 |
| | | | | 85/71 | 60.8 | 47.7 | 77.8 | 5.2 | 11.7 |
| 110 | 9 | 1.7 | 0.8 | 75/63 | 48.5 | 42.1 | 67.9 | 6.0 | 8.1 |
| | | | | 80/67 | 52.2 | 43.6 | 71.7 | 6.0 | 8.7 |
| | | | | 85/71 | 55.7 | 45.8 | 75.4 | 6.1 | 9.2 |
| | 12 | 2.9 | 1.3 | 75/63 | 49.3 | 42.1 | 68.2 | 5.8 | 8.4 |
| | | | | 80/67 | 53.0 | 43.9 | 72.0 | 5.9 | 9.0 |
| | | | | 85/71 | 56.7 | 45.8 | 75.9 | 5.9 | 9.6 |
| | 18 | 6.1 | 2.6 | 75/63 | 49.9 | 42.2 | 68.5 | 5.7 | 8.7 |
| | | | | 80/67 | 53.6 | 44.7 | 72.2 | 5.7 | 9.4 |
| | | | | 85/71 | 57.6 | 46.0 | 76.3 | 5.8 | 10.0 |

ANTI-FREEZE CORRECTION TABLE

| Antifreeze Type | Antifreeze % volume | Cooling | | | Heating | | WPD Correction Factor EWT 30°F |
|------------------|---------------------|------------|-----------|-------|-----------|-------|--------------------------------|
| | | EWT 90 °F | | | EWT 30 °F | | |
| | | Total Cap. | Sens. Cap | Power | Htg. Cap | Power | |
| Water | 0 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Propylene Glycol | 5 | 0.997 | 0.997 | 1.004 | 0.989 | 0.997 | 1.060 |
| | 10 | 0.994 | 0.994 | 1.006 | 0.986 | 0.995 | 1.125 |
| | 15 | 0.990 | 0.990 | 1.009 | 0.978 | 0.988 | 1.190 |
| | 25 | 0.983 | 0.983 | 1.016 | 0.960 | 0.979 | 1.300 |
| | | | | | | | |
| Methanol | 5 | 0.997 | 0.997 | 1.003 | 0.990 | 0.997 | 1.060 |
| | 10 | 0.996 | 0.996 | 1.005 | 0.979 | 0.993 | 1.100 |
| | 15 | 0.994 | 0.994 | 1.008 | 0.970 | 0.990 | 1.140 |
| | | | | | | | |
| | | | | | | | |
| Ethanol | 5 | 0.998 | 0.998 | 1.002 | 0.981 | 0.994 | 1.160 |
| | 10 | 0.996 | 0.996 | 1.004 | 0.960 | 0.988 | 1.230 |
| | 15 | 0.992 | 0.992 | 1.006 | 0.944 | 0.983 | 1.280 |
| | 25 | 0.986 | 0.986 | 1.009 | 0.917 | 0.974 | 1.400 |
| | | | | | | | |