



|               |           |
|---------------|-----------|
| SERIES:       | GSW - R22 |
| HZ:           | 50        |
| UNIT OF MEAS: | SI        |
| LANG:         | ENGLISH   |

Contractor: \_\_\_\_\_ P.O.: \_\_\_\_\_

Engineer: \_\_\_\_\_

Project Name: \_\_\_\_\_ Unit Tag: \_\_\_\_\_

# GSW Series Water to Water Submittal Data

## Models GSW 036, 060 & 120 50 Hz - R22

English Language / SI Units

RELEASE: 04/16/02





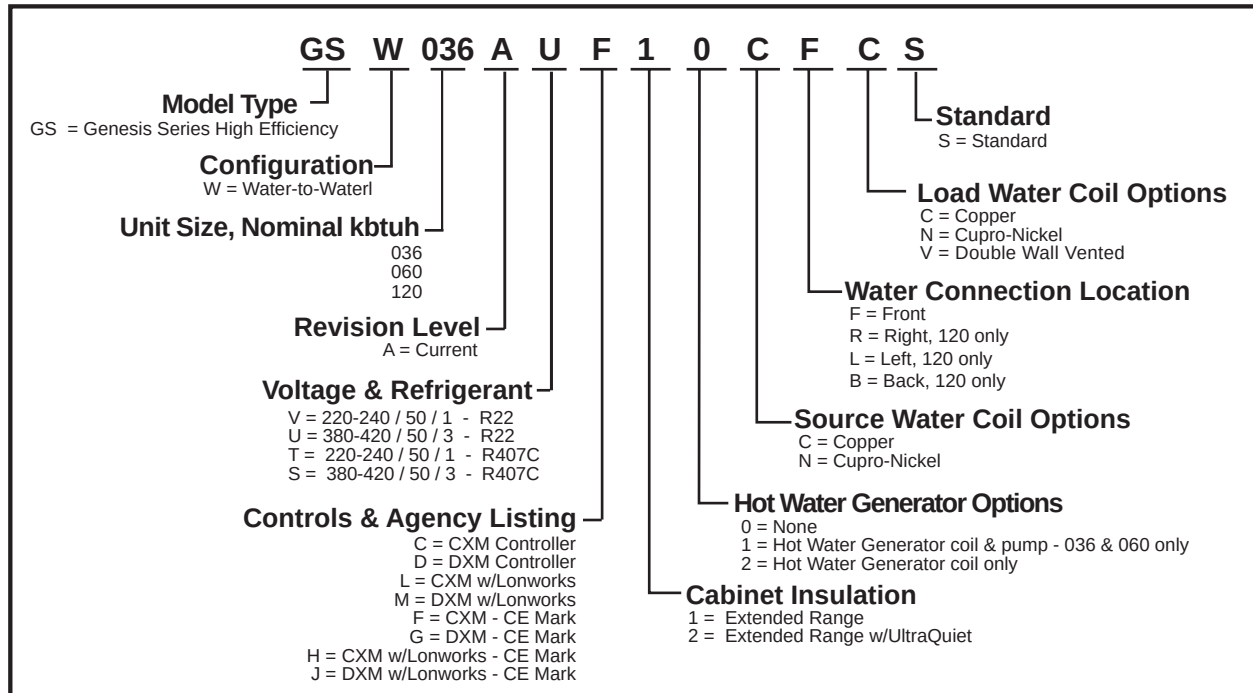
# GSW Series 50Hz - R22 Submittal Data Eng/SI

## MODEL DECODER

Contractor: \_\_\_\_\_ P.O.: \_\_\_\_\_

Engineer: \_\_\_\_\_

Project Name: \_\_\_\_\_ Unit Tag: \_\_\_\_\_



LC275

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Rev.: 04/16/02

Page \_\_\_\_\_ of \_\_\_\_\_

Contractor: \_\_\_\_\_ P.O.: \_\_\_\_\_  
Engineer: \_\_\_\_\_  
Project Name: \_\_\_\_\_ Unit Tag: \_\_\_\_\_

Data is presented in accordance with, but not certified by ARI/ISO/ASHRAE 13256-2

ARI/ASHRAE/ISO 13256-2  
Metric (SI) Units

| Model  | Indoor Liquid Flow (lps) | Outdoor Liquid Flow (lps) | Water Loop Heat Pump     |           |                          |     | Ground Water Heat Pump   |           |                          |     | Ground Loop Heat Pump    |           |                         |     |
|--------|--------------------------|---------------------------|--------------------------|-----------|--------------------------|-----|--------------------------|-----------|--------------------------|-----|--------------------------|-----------|-------------------------|-----|
|        |                          |                           | Cooling                  |           | Heating                  |     | Cooling                  |           | Heating                  |     | Cooling                  |           | Heating                 |     |
|        |                          |                           | Indoor 12°C Outdoor 30°C |           | Indoor 40°C Outdoor 20°C |     | Indoor 12°C Outdoor 15°C |           | Indoor 40°C Outdoor 10°C |     | Indoor 12°C Outdoor 25°C |           | Indoor 40°C Outdoor 0°C |     |
|        |                          |                           | Capacity Watts           | EER (W/W) | Capacity Watts           | COP | Capacity Watts           | EER (W/W) | Capacity Watts           | COP | Capacity Watts           | EER (W/W) | Capacity Watts          | COP |
| GSW036 | 0.57                     | 0.57                      | 8,020                    | 4.5       | 11,710                   | 5.6 | 8,680                    | 6.7       | 8,820                    | 4.3 | 8,250                    | 5.2       | 7,040                   | 3.5 |
| GSW060 | 0.95                     | 0.95                      | 12,030                   | 3.7       | 16,980                   | 4.7 | 13,400                   | 5.7       | 14,000                   | 3.9 | 12,510                   | 4.3       | 10,370                  | 3.0 |
| GSW120 | 1.89                     | 1.89                      | 23,970                   | 3.6       | 34,030                   | 4.6 | 26,700                   | 5.5       | 28,060                   | 3.8 | 24,930                   | 4.2       | 20,790                  | 2.9 |

All ratings based upon lower voltage of dual voltage operation.

Rev.: 4/16/02 B

Indoor coil also called "Load" and Outdoor coil also called "Source"

ARI/ASHRAE/ISO 13256-2  
English (IP) Units

| Model  | Indoor Liquid Flow (gpm) | Outdoor Liquid Flow (gpm) | Water Loop Heat Pump       |            |                           |     | Ground Water Heat Pump     |            |                           |     | Ground Loop Heat Pump      |            |                           |     |
|--------|--------------------------|---------------------------|----------------------------|------------|---------------------------|-----|----------------------------|------------|---------------------------|-----|----------------------------|------------|---------------------------|-----|
|        |                          |                           | Cooling                    |            | Heating                   |     | Cooling                    |            | Heating                   |     | Cooling                    |            | Heating                   |     |
|        |                          |                           | Indoor 53.6°F Outdoor 86°F |            | Indoor 104°F Outdoor 68°F |     | Indoor 53.6°F Outdoor 59°F |            | Indoor 104°F Outdoor 50°F |     | Indoor 53.6°F Outdoor 77°F |            | Indoor 104°F Outdoor 32°F |     |
|        |                          |                           | Capacity Btuh              | EER Btuh/W | Capacity Btuh             | COP | Capacity Btuh              | EER Btuh/W | Capacity Btuh             | COP | Capacity Btuh              | EER Btuh/W | Capacity Btuh             | COP |
| GSW036 | 9.03                     | 9.03                      | 27,364                     | 15.4       | 39,955                    | 5.6 | 29,616                     | 22.9       | 30,094                    | 4.3 | 28,149                     | 17.7       | 24,020                    | 3.5 |
| GSW060 | 15.06                    | 15.06                     | 41,046                     | 12.0       | 57,936                    | 4.7 | 45,721                     | 12.0       | 47,768                    | 3.9 | 42,684                     | 12.0       | 35,382                    | 3.0 |
| GSW120 | 29.95                    | 29.95                     | 81,786                     | 11.6       | 116,110                   | 4.6 | 91,100                     | 11.6       | 95,741                    | 3.8 | 85,061                     | 11.6       | 70,935                    | 2.9 |

All ratings based upon lower voltage of dual voltage operation.

Rev.: 4/16/02 B

Indoor coil also called "Load" and Outdoor coil also called "Source"

cfm\*0.472 = l/s  
gpm\*0.0631 = l/s  
in wg\*249 = pascals  
ft of hd \*2990 = pascals





**CLIMATEMASTER®**

PERFORMANCE DATA

GSW036 COOLING

# GSW Series 50Hz - R22 Submittal Data Eng/SI

Contractor: \_\_\_\_\_ P.O.: \_\_\_\_\_

Engineer: \_\_\_\_\_

Project Name: \_\_\_\_\_ Unit Tag: \_\_\_\_\_

| SOURCE     |             |            | LOAD       |               |          |          |           |            |            |               |          |          |           |            |            |               |          |          |           |            |            |
|------------|-------------|------------|------------|---------------|----------|----------|-----------|------------|------------|---------------|----------|----------|-----------|------------|------------|---------------|----------|----------|-----------|------------|------------|
| ESWT<br>°C | Flow<br>l/s | WPD<br>kPa | ELWT<br>°C | Flow 0.32 l/s |          |          |           |            |            | Flow 0.44 l/s |          |          |           |            |            | Flow 0.57 l/s |          |          |           |            |            |
|            |             |            |            | TC<br>kW      | PI<br>kW | HR<br>kW | LWT<br>°C | EER<br>W/W | WPD<br>kPa | TC<br>kW      | PI<br>kW | HR<br>kW | LWT<br>°C | EER<br>W/W | WPD<br>kPa | TC<br>kW      | PI<br>kW | HR<br>kW | LWT<br>°C | EER<br>W/W | WPD<br>kPa |
| 10         | 0.32        | 18.2       | 10         | 7.7           | 1.10     | 8.8      | 4.2       | 6.98       | 15.9       | 8.1           | 1.11     | 9.2      | 5.6       | 7.30       | 25.5       | 8.3           | 1.11     | 9.4      | 6.5       | 7.49       | 36.9       |
|            |             |            | 15         | 8.8           | 1.11     | 9.9      | 8.4       | 7.86       | 13.6       | 9.2           | 1.12     | 10.3     | 10.0      | 8.18       | 23.2       | 9.4           | 1.12     | 10.5     | 11.0      | 8.37       | 35.0       |
|            |             |            | 20         | 9.7           | 1.13     | 10.9     | 12.6      | 8.64       | 11.0       | 10.2          | 1.13     | 11.3     | 14.4      | 8.97       | 20.0       | 10.4          | 1.14     | 11.5     | 15.6      | 9.15       | 31.6       |
|            |             |            | 25         | 10.7          | 1.14     | 11.8     | 16.9      | 9.34       | 10.6       | 11.1          | 1.15     | 12.2     | 18.9      | 9.65       | 19.3       | 11.3          | 1.15     | 12.5     | 20.2      | 9.83       | 29.8       |
|            |             |            | 30         | 11.5          | 1.16     | 12.7     | 21.3      | 9.96       | 9.0        | 11.9          | 1.16     | 13.1     | 23.5      | 10.25      | 17.2       | 12.1          | 1.17     | 13.3     | 24.8      | 10.40      | 26.7       |
|            | 0.44        | 28.2       | 10         | 7.8           | 1.05     | 8.8      | 4.1       | 7.42       | 15.9       | 8.2           | 1.05     | 9.2      | 5.5       | 7.76       | 25.5       | 8.4           | 1.06     | 9.5      | 6.4       | 7.96       | 36.9       |
|            |             |            | 15         | 8.9           | 1.06     | 9.9      | 8.3       | 8.35       | 13.6       | 9.3           | 1.07     | 10.3     | 9.9       | 8.70       | 23.2       | 9.5           | 1.07     | 10.6     | 11.0      | 8.90       | 35.0       |
|            |             |            | 20         | 9.9           | 1.07     | 10.9     | 12.5      | 9.19       | 11.0       | 10.3          | 1.08     | 11.4     | 14.3      | 9.53       | 20.0       | 10.5          | 1.08     | 11.6     | 15.5      | 9.73       | 31.6       |
|            |             |            | 25         | 10.8          | 1.09     | 11.9     | 16.8      | 9.94       | 10.6       | 11.2          | 1.09     | 12.3     | 18.8      | 10.27      | 19.3       | 11.5          | 1.10     | 12.6     | 20.1      | 10.45      | 29.8       |
|            |             |            | 30         | 11.6          | 1.10     | 12.7     | 21.2      | 10.59      | 9.0        | 12.1          | 1.11     | 13.2     | 23.4      | 10.90      | 17.2       | 12.3          | 1.11     | 13.4     | 24.8      | 11.06      | 26.7       |
|            | 0.57        | 41.3       | 10         | 7.9           | 1.02     | 8.9      | 4.1       | 7.74       | 15.9       | 8.3           | 1.02     | 9.3      | 5.5       | 8.09       | 25.5       | 8.5           | 1.02     | 9.5      | 6.4       | 8.30       | 36.9       |
|            |             |            | 15         | 8.9           | 1.03     | 10.0     | 8.2       | 8.70       | 13.6       | 9.4           | 1.03     | 10.4     | 9.9       | 9.07       | 23.2       | 9.6           | 1.04     | 10.6     | 10.9      | 9.27       | 35.0       |
|            |             |            | 20         | 10.0          | 1.04     | 11.0     | 12.5      | 9.58       | 11.0       | 10.4          | 1.05     | 11.4     | 14.3      | 9.93       | 20.0       | 10.6          | 1.05     | 11.7     | 15.5      | 10.14      | 31.6       |
|            |             |            | 25         | 10.9          | 1.05     | 12.0     | 16.8      | 10.35      | 10.6       | 11.3          | 1.06     | 12.4     | 18.8      | 10.70      | 19.3       | 11.6          | 1.06     | 12.6     | 20.1      | 10.89      | 29.8       |
|            |             |            | 30         | 11.8          | 1.07     | 12.8     | 21.1      | 11.04      | 9.0        | 12.2          | 1.07     | 13.3     | 23.3      | 11.35      | 17.2       | 12.4          | 1.08     | 13.5     | 24.7      | 11.53      | 26.7       |
| 20         | 0.32        | 16.0       | 10         | 7.3           | 1.39     | 8.7      | 4.5       | 5.24       | 15.9       | 7.7           | 1.40     | 9.1      | 5.8       | 5.49       | 25.5       | 7.9           | 1.40     | 9.3      | 6.6       | 5.64       | 36.9       |
|            |             |            | 15         | 8.4           | 1.41     | 9.8      | 8.7       | 5.96       | 13.6       | 8.8           | 1.41     | 10.2     | 10.2      | 6.22       | 23.2       | 9.0           | 1.42     | 10.4     | 11.2      | 6.36       | 35.0       |
|            |             |            | 20         | 9.4           | 1.42     | 10.8     | 12.9      | 6.60       | 11.0       | 9.8           | 1.43     | 11.2     | 14.6      | 6.86       | 20.0       | 10.0          | 1.44     | 11.5     | 15.7      | 7.00       | 31.6       |
|            |             |            | 25         | 10.3          | 1.44     | 11.8     | 17.2      | 7.17       | 10.6       | 10.7          | 1.45     | 12.2     | 19.1      | 7.40       | 19.3       | 11.0          | 1.46     | 12.4     | 20.3      | 7.54       | 29.8       |
|            |             |            | 30         | 11.2          | 1.46     | 12.6     | 21.6      | 7.65       | 9.0        | 11.6          | 1.47     | 13.1     | 23.6      | 7.86       | 17.2       | 11.8          | 1.48     | 13.3     | 25.0      | 7.98       | 26.7       |
|            | 0.44        | 25.1       | 10         | 7.4           | 1.33     | 8.7      | 4.4       | 5.57       | 15.9       | 7.8           | 1.33     | 9.1      | 5.7       | 5.84       | 25.5       | 8.0           | 1.33     | 9.3      | 6.6       | 6.00       | 36.9       |
|            |             |            | 15         | 8.5           | 1.34     | 9.8      | 8.6       | 6.34       | 13.6       | 8.9           | 1.35     | 10.2     | 10.1      | 6.61       | 23.2       | 9.1           | 1.35     | 10.5     | 11.1      | 6.77       | 35.0       |
|            |             |            | 20         | 9.5           | 1.36     | 10.9     | 12.8      | 7.02       | 11.0       | 9.9           | 1.36     | 11.3     | 14.5      | 7.29       | 20.0       | 10.2          | 1.37     | 11.5     | 15.7      | 7.44       | 31.6       |
|            |             |            | 25         | 10.5          | 1.37     | 11.8     | 17.1      | 7.62       | 10.6       | 10.9          | 1.38     | 12.3     | 19.0      | 7.87       | 19.3       | 11.1          | 1.39     | 12.5     | 20.3      | 8.01       | 29.8       |
|            |             |            | 30         | 11.3          | 1.39     | 12.7     | 21.4      | 8.13       | 9.0        | 11.7          | 1.40     | 13.1     | 23.6      | 8.36       | 17.2       | 12.0          | 1.41     | 13.4     | 24.9      | 8.48       | 26.7       |
|            | 0.57        | 37.5       | 10         | 7.5           | 1.29     | 8.8      | 4.4       | 5.81       | 15.9       | 7.9           | 1.29     | 9.1      | 5.7       | 6.09       | 25.5       | 8.1           | 1.29     | 9.4      | 6.6       | 6.25       | 36.9       |
|            |             |            | 15         | 8.6           | 1.30     | 9.9      | 8.5       | 6.60       | 13.6       | 9.0           | 1.30     | 10.3     | 10.1      | 6.89       | 23.2       | 9.2           | 1.31     | 10.5     | 11.1      | 7.05       | 35.0       |
|            |             |            | 20         | 9.6           | 1.31     | 10.9     | 12.7      | 7.32       | 11.0       | 10.0          | 1.32     | 11.4     | 14.5      | 7.60       | 20.0       | 10.3          | 1.33     | 11.6     | 15.6      | 7.75       | 31.6       |
|            |             |            | 25         | 10.6          | 1.33     | 11.9     | 17.0      | 7.94       | 10.6       | 11.0          | 1.34     | 12.3     | 19.0      | 8.20       | 19.3       | 11.2          | 1.34     | 12.6     | 20.2      | 8.35       | 29.8       |
|            |             |            | 30         | 11.4          | 1.35     | 12.8     | 21.4      | 8.47       | 9.0        | 11.8          | 1.36     | 13.2     | 23.5      | 8.71       | 17.2       | 12.1          | 1.37     | 13.4     | 24.9      | 8.84       | 26.7       |
| 30         | 0.32        | 12.2       | 10         | 6.9           | 1.78     | 8.7      | 4.8       | 3.90       | 15.9       | 7.3           | 1.78     | 9.1      | 6.0       | 4.08       | 25.5       | 7.5           | 1.79     | 9.3      | 6.8       | 4.18       | 36.9       |
|            |             |            | 15         | 8.0           | 1.79     | 9.8      | 9.0       | 4.44       | 13.6       | 8.3           | 1.80     | 10.1     | 10.4      | 4.63       | 23.2       | 8.5           | 1.80     | 10.3     | 11.4      | 4.74       | 35.0       |
|            |             |            | 20         | 8.9           | 1.81     | 10.8     | 13.2      | 4.95       | 11.0       | 9.3           | 1.81     | 11.1     | 14.9      | 5.14       | 20.0       | 9.5           | 1.82     | 11.4     | 15.9      | 5.25       | 31.6       |
|            |             |            | 25         | 9.9           | 1.82     | 11.7     | 17.5      | 5.41       | 10.6       | 10.3          | 1.83     | 12.1     | 19.4      | 5.61       | 19.3       | 10.5          | 1.83     | 12.3     | 20.6      | 5.73       | 29.8       |
|            |             |            | 30         | 10.7          | 1.83     | 12.5     | 21.9      | 5.85       | 9.0        | 11.1          | 1.84     | 12.9     | 23.9      | 6.05       | 17.2       | 11.3          | 1.84     | 13.2     | 25.2      | 6.16       | 26.7       |
|            | 0.44        | 21.3       | 10         | 7.0           | 1.69     | 8.7      | 4.7       | 4.15       | 15.9       | 7.4           | 1.70     | 9.1      | 6.0       | 4.34       | 25.5       | 7.6           | 1.70     | 9.3      | 6.8       | 4.45       | 36.9       |
|            |             |            | 15         | 8.1           | 1.71     | 9.8      | 8.9       | 4.72       | 13.6       | 8.4           | 1.71     | 10.1     | 10.4      | 4.92       | 23.2       | 8.7           | 1.72     | 10.4     | 11.3      | 5.04       | 35.0       |
|            |             |            | 20         | 9.1           | 1.72     | 10.8     | 13.2      | 5.26       | 11.0       | 9.4           | 1.73     | 11.2     | 14.8      | 5.47       | 20.0       | 9.7           | 1.73     | 11.4     | 15.9      | 5.59       | 31.6       |
|            |             |            | 25         | 10.0          | 1.73     | 11.7     | 17.5      | 5.76       | 10.6       | 10.4          | 1.74     | 12.1     | 19.3      | 5.97       | 19.3       | 10.6          | 1.74     | 12.3     | 20.5      | 6.09       | 29.8       |
|            |             |            | 30         | 10.8          | 1.74     | 12.6     | 21.8      | 6.22       | 9.0        | 11.2          | 1.75     | 13.0     | 23.8      | 6.43       | 17.2       | 11.5          | 1.75     | 13.2     | 25.1      | 6.55       | 26.7       |
|            | 0.57        | 33.8       | 10         | 7.1           | 1.64     | 8.7      | 4.6       | 4.32       | 15.9       | 7.4           | 1.65     | 9.1      | 5.9       | 4.52       | 25.5       | 7.6           | 1.65     | 9.3      | 6.8       | 4.63       | 36.9       |
|            |             |            | 15         | 8.1           | 1.66     | 9.8      | 8.8       | 4.92       | 13.6       | 8.5           | 1.66     | 10.2     | 10.3      | 5.13       | 23.2       | 8.7           | 1.66     | 10.4     | 11.3      | 5.25       | 35.0       |
|            |             |            | 20         | 9.1           | 1.67     | 10.8     | 13.1      | 5.48       | 11.0       | 9.5           | 1.67     | 11.2     | 14.8      | 5.70       | 20.0       | 9.8           | 1.68     | 11.4     | 15.9      | 5.82       | 31.6       |
|            |             |            | 25         | 10.1          | 1.68     | 11.8     | 17.4      | 6.00       | 10.6       | 10.5          | 1.69     | 12.2     | 19.2      | 6.22       | 19.3       | 10.7          | 1.69     | 12.4     | 20.5      | 6.35       | 29.8       |
|            |             |            | 30         | 11.0          | 1.69     | 12.6     | 21.7      | 6.48       | 9.0        | 11.4          | 1.70     | 13.1     | 23.8      | 6.70       | 17.2       | 11.6          | 1.70     | 13.3     | 25.1      | 6.82       | 26.7       |
| 40         | 0.32        | 9.4        | 10         | 6.3           | 2.29     | 8.6      | 5.2       | 2.75       | 15.9       | 6.6           | 2.30     | 8.9      | 6.4       | 2.87       | 25.5       | 6.8           | 2.30     | 9.1      | 7.1       | 2.94       | 36.9       |
|            |             |            | 15         | 7.3           | 2.31     | 9.6      | 9.5       | 3.17       | 13.6       | 7.7           | 2.32     | 10.0     | 10.8      | 3.30       | 23.2       | 7.9           | 2.32     | 10.2     | 11.7      | 3.38       | 35.0       |
|            |             |            | 20         | 8.3           | 2.33     | 10.7     | 13.7      | 3.57       | 11.0       | 8.7           | 2.34     | 11.0     | 15.2      | 3.72       | 20.0       | 8.9           | 2.34     | 11.2     | 16.2      | 3.80       | 31.6       |
|            |             |            | 25         | 9.3           | 2.35     | 11.6     | 18.0      | 3.95       | 10.6       | 9.7           | 2.35     | 12.0     | 19.7      | 4.11       | 19.3       | 9.9           | 2.35     | 12.2     | 20.8      | 4.21       | 29.8       |
|            |             |            | 30         | 10.2          | 2.36     | 12.5     | 22.3      | 4.33       | 9.0        | 10.6          | 2.36     | 13.0     | 24.2      | 4.49       | 17.2       | 10.8          | 2.36     | 13.2     | 25.4      | 4.59       | 26.7       |
|            | 0.44        | 17.6       | 10         | 6.4           | 2.18     | 8.6      | 5.2       | 2.92       | 15.9       | 6.7           | 2.19     | 8.9      | 6.3       | 3.05       | 25.5       | 6.9           | 2.19     | 9.1      | 7.1       | 3.13       | 36.9       |
|            |             |            | 15         | 7.4           | 2.20     | 9.6      | 9.4       | 3.37       | 13.6       | 7.8           | 2.21     | 10.0     | 10.7      | 3.51       | 23.2       | 8.0           | 2.21     | 10.2     | 11.6      | 3.60       | 35.0       |
|            |             |            | 20         | 8.4           | 2.22     | 10.6     | 13.6      | 3.79       | 11.0       | 8.8           | 2.23     | 11.0     | 15.2      | 3.95       | 20.0       | 9.0           | 2.23     | 11.2     | 16.2      | 4.04       | 31.6       |
|            |             |            | 25         | 9.4           | 2.23     | 11.6     | 17.9      | 4.20       | 10.6       | 9.8           | 2.24     | 12.0     | 19.6      | 4.37       | 19.3       | 10.0          | 2.24     | 12.3     | 20.8      | 4.47       | 29.8       |
|            |             |            | 30         | 10.3          | 2.24     | 12.6     | 22.2      | 4.60       | 9.0        | 10.7          | 2.25     | 13.0     | 24.1      | 4.78       | 17.2       | 11.0          | 2.25     | 13.2     | 25.3      | 4.88       | 26.7       |
|            | 0.57        | 28.9       | 10         | 6.4           | 2.12     | 8.6      | 5.1       | 3.05       | 15.9       | 6.8           | 2.12     | 8.9      | 6.3       | 3.18       | 25.5       | 6.9           | 2.13     | 9.1      | 7.1       | 3.26       | 36.9       |
|            |             |            | 15         | 7.5           | 2.14     | 9.6      | 9.3       | 3.51       | 13.6       | 7.8           | 2.14     | 10.0     | 10.7      | 3.66       | 23.2       | 8.0           | 2.15     | 10.2     | 11.6      | 3.75       | 35.0       |
|            |             |            | 20         | 8.5           | 2.15     | 10.7     | 13.6      | 3.95       | 11.0       | 8.9           | 2.16     | 11.0     | 15.1      | 4.12       | 20.0       | 9.1           | 2.16     | 11.3     | 16.1      | 4.21       | 31.6       |
|            |             |            | 25         | 9.5           | 2.17     | 11.6     | 17.8      | 4.38       | 10.6       | 9.9           | 2.17     | 12.1     | 19.6      | 4.56       | 19.3       | 10.1          | 2.17     | 12.3     | 20.7      | 4.66       | 29.8       |
|            |             |            | 30         | 10.4          | 2.17     | 12.6     | 22.1      | 4.79       | 9.0        | 10.8          | 2.18     | 13.0     | 24.0      | 4.98       | 17.2       | 11.1          | 2.18     | 13.3     | 25.3      | 5.09       | 26.7       |

**CLIMATEMASTER®**

PERFORMANCE DATA

GSW036 HEATING

# GSW Series 50Hz - R22 Submittal Data Eng/SI

Contractor: \_\_\_\_\_ P.O.: \_\_\_\_\_

Engineer: \_\_\_\_\_

Project Name: \_\_\_\_\_ Unit Tag: \_\_\_\_\_

| SOURCE     |             |            | LOAD       |                           |          |          |           |            |            |                           |          |          |           |            |            |                           |          |          |           |            |            |
|------------|-------------|------------|------------|---------------------------|----------|----------|-----------|------------|------------|---------------------------|----------|----------|-----------|------------|------------|---------------------------|----------|----------|-----------|------------|------------|
| ESWT<br>°C | Flow<br>l/s | WPD<br>kPa | ELWT<br>°C | Flow 0.32 l/s             |          |          |           |            |            | Flow 0.44 l/s             |          |          |           |            |            | Flow 0.57 l/s             |          |          |           |            |            |
|            |             |            |            | HC<br>kW                  | PI<br>kW | HE<br>kW | LWT<br>°C | COP<br>W/W | WPD<br>kPa | HC<br>kW                  | PI<br>kW | HE<br>kW | LWT<br>°C | COP<br>W/W | WPD<br>kPa | HC<br>kW                  | PI<br>kW | HE<br>kW | LWT<br>°C | COP<br>W/W | WPD<br>kPa |
| -5         | 0.57        | 68.2       | 20         | 6.3                       | 1.23     | 5.1      | 24.8      | 5.10       | 13.6       | 6.3                       | 1.19     | 5.1      | 23.5      | 5.30       | 23.2       | 6.3                       | 1.17     | 5.2      | 22.7      | 5.42       | 35.0       |
|            |             |            | 30         | 6.2                       | 1.54     | 4.6      | 34.7      | 4.01       | 10.6       | 6.2                       | 1.48     | 4.7      | 33.4      | 4.18       | 19.3       | 6.2                       | 1.45     | 4.8      | 32.6      | 4.28       | 29.8       |
|            |             |            | 40         | 6.1                       | 1.93     | 4.1      | 44.6      | 3.13       | 7.3        | 6.1                       | 1.86     | 4.2      | 43.3      | 3.26       | 15.5       | 6.1                       | 1.82     | 4.3      | 42.6      | 3.34       | 24.6       |
|            |             |            | 45         | OPERATION NOT RECOMMENDED |          |          |           |            |            | OPERATION NOT RECOMMENDED |          |          |           |            |            | OPERATION NOT RECOMMENDED |          |          |           |            |            |
| 0          | 0.32        | 26.1       | 20         | 6.6                       | 1.25     | 5.4      | 25.0      | 5.33       | 13.6       | 6.7                       | 1.20     | 5.5      | 23.7      | 5.54       | 23.2       | 6.7                       | 1.18     | 5.5      | 22.8      | 5.66       | 35.0       |
|            |             |            | 30         | 6.5                       | 1.55     | 5.0      | 34.9      | 4.19       | 10.6       | 6.5                       | 1.49     | 5.0      | 33.6      | 4.37       | 19.3       | 6.5                       | 1.46     | 5.1      | 32.8      | 4.47       | 29.8       |
|            |             |            | 40         | 6.4                       | 1.95     | 4.4      | 44.8      | 3.27       | 7.3        | 6.4                       | 1.88     | 4.5      | 43.5      | 3.41       | 15.5       | 6.4                       | 1.84     | 4.6      | 42.7      | 3.49       | 24.6       |
|            |             |            | 45         | 6.3                       | 2.18     | 4.1      | 49.8      | 2.89       | 6.3        | 6.3                       | 2.10     | 4.2      | 48.5      | 3.01       | 13.8       | 6.3                       | 2.06     | 4.3      | 47.7      | 3.08       | 22.8       |
|            | 0.44        | 40.3       | 20         | 7.1                       | 1.26     | 5.9      | 25.4      | 5.67       | 13.6       | 7.1                       | 1.21     | 5.9      | 23.9      | 5.90       | 23.2       | 7.2                       | 1.19     | 6.0      | 23.0      | 6.02       | 35.0       |
|            |             |            | 30         | 7.0                       | 1.56     | 5.4      | 35.3      | 4.46       | 10.6       | 7.0                       | 1.50     | 5.5      | 33.8      | 4.65       | 19.3       | 7.0                       | 1.47     | 5.5      | 33.0      | 4.76       | 29.8       |
|            |             |            | 40         | 6.8                       | 1.96     | 4.9      | 45.2      | 3.49       | 7.3        | 6.9                       | 1.89     | 5.0      | 43.8      | 3.63       | 15.5       | 6.9                       | 1.85     | 5.0      | 42.9      | 3.71       | 24.6       |
|            |             |            | 45         | 6.8                       | 2.20     | 4.6      | 50.1      | 3.08       | 6.2        | 6.8                       | 2.12     | 4.7      | 48.7      | 3.21       | 13.9       | 6.8                       | 2.07     | 4.7      | 47.9      | 3.28       | 22.9       |
|            | 0.57        | 58.3       | 20         | 7.2                       | 1.26     | 6.0      | 25.5      | 5.74       | 13.6       | 7.3                       | 1.22     | 6.0      | 24.0      | 5.97       | 23.2       | 7.3                       | 1.19     | 6.1      | 23.1      | 6.10       | 35.0       |
|            |             |            | 30         | 7.1                       | 1.57     | 5.5      | 35.4      | 4.52       | 10.6       | 7.1                       | 1.51     | 5.6      | 33.9      | 4.71       | 19.3       | 7.1                       | 1.48     | 5.7      | 33.0      | 4.82       | 29.8       |
|            |             |            | 40         | 7.0                       | 1.97     | 5.0      | 45.3      | 3.53       | 7.3        | 7.0                       | 1.90     | 5.1      | 43.8      | 3.68       | 15.5       | 7.0                       | 1.86     | 5.1      | 43.0      | 3.76       | 24.6       |
|            |             |            | 45         | 6.9                       | 2.21     | 4.7      | 50.2      | 3.12       | 6.2        | 6.9                       | 2.13     | 4.8      | 48.8      | 3.25       | 13.9       | 6.9                       | 2.08     | 4.8      | 47.9      | 3.32       | 22.9       |
| 5          | 0.32        | 22.1       | 20         | 7.4                       | 1.27     | 6.1      | 25.6      | 5.79       | 13.6       | 7.4                       | 1.22     | 6.2      | 24.1      | 6.09       | 23.2       | 7.4                       | 1.19     | 6.2      | 23.1      | 6.25       | 35.0       |
|            |             |            | 30         | 7.2                       | 1.45     | 5.8      | 35.4      | 4.98       | 10.6       | 7.2                       | 1.38     | 5.9      | 34.0      | 5.25       | 19.3       | 7.3                       | 1.34     | 5.9      | 33.1      | 5.41       | 29.8       |
|            |             |            | 40         | 7.0                       | 1.81     | 5.2      | 45.3      | 3.88       | 7.3        | 7.1                       | 1.73     | 5.3      | 43.9      | 4.08       | 15.5       | 7.1                       | 1.69     | 5.4      | 43.0      | 4.20       | 24.6       |
|            |             |            | 45         | 6.9                       | 2.03     | 4.9      | 50.2      | 3.43       | 6.2        | 7.0                       | 1.94     | 5.0      | 48.8      | 3.60       | 13.9       | 7.0                       | 1.89     | 5.1      | 48.0      | 3.71       | 22.9       |
|            | 0.44        | 34.3       | 20         | 7.9                       | 1.28     | 6.6      | 26.0      | 6.17       | 13.6       | 7.9                       | 1.22     | 6.7      | 24.4      | 6.48       | 23.2       | 8.0                       | 1.19     | 6.8      | 23.4      | 6.66       | 35.0       |
|            |             |            | 30         | 7.7                       | 1.46     | 6.3      | 35.8      | 5.30       | 10.6       | 7.8                       | 1.39     | 6.4      | 34.3      | 5.59       | 19.3       | 7.8                       | 1.35     | 6.4      | 33.3      | 5.76       | 29.8       |
|            |             |            | 40         | 7.5                       | 1.83     | 5.7      | 45.7      | 4.13       | 7.3        | 7.6                       | 1.74     | 5.8      | 44.2      | 4.35       | 15.5       | 7.6                       | 1.70     | 5.9      | 43.2      | 4.48       | 24.6       |
|            |             |            | 45         | 7.4                       | 2.04     | 5.4      | 50.6      | 3.65       | 6.2        | 7.5                       | 1.95     | 5.5      | 49.1      | 3.84       | 13.9       | 7.5                       | 1.90     | 5.6      | 48.2      | 3.95       | 22.9       |
|            | 0.57        | 49.8       | 20         | 8.0                       | 1.29     | 6.7      | 26.1      | 6.24       | 13.6       | 8.1                       | 1.23     | 6.8      | 24.4      | 6.56       | 23.2       | 8.1                       | 1.20     | 6.9      | 23.4      | 6.75       | 35.0       |
|            |             |            | 30         | 7.9                       | 1.46     | 6.4      | 35.9      | 5.37       | 10.6       | 7.9                       | 1.39     | 6.5      | 34.3      | 5.66       | 19.3       | 7.9                       | 1.36     | 6.6      | 33.4      | 5.83       | 29.8       |
|            |             |            | 40         | 7.7                       | 1.83     | 5.8      | 45.8      | 4.18       | 7.3        | 7.7                       | 1.75     | 6.0      | 44.2      | 4.41       | 15.5       | 7.7                       | 1.70     | 6.0      | 43.3      | 4.54       | 24.6       |
|            |             |            | 45         | 7.6                       | 2.05     | 5.5      | 50.7      | 3.70       | 6.2        | 7.6                       | 1.96     | 5.7      | 49.2      | 3.89       | 13.9       | 7.6                       | 1.91     | 5.7      | 48.2      | 4.00       | 22.9       |
| 10         | 0.32        | 18.2       | 20         | 8.4                       | 1.30     | 7.1      | 26.3      | 6.44       | 13.6       | 8.4                       | 1.24     | 7.2      | 24.6      | 6.77       | 23.2       | 8.4                       | 1.21     | 7.2      | 23.6      | 6.96       | 35.0       |
|            |             |            | 30         | 8.2                       | 1.62     | 6.6      | 36.2      | 5.05       | 10.6       | 8.2                       | 1.54     | 6.7      | 34.5      | 5.32       | 19.3       | 8.2                       | 1.50     | 6.7      | 33.5      | 5.48       | 29.8       |
|            |             |            | 40         | 8.0                       | 2.03     | 6.0      | 46.0      | 3.93       | 7.3        | 8.0                       | 1.94     | 6.1      | 44.4      | 4.14       | 15.5       | 8.0                       | 1.89     | 6.2      | 43.4      | 4.27       | 24.6       |
|            |             |            | 45         | 7.9                       | 2.27     | 5.6      | 51.0      | 3.47       | 6.2        | 7.9                       | 2.17     | 5.8      | 49.4      | 3.66       | 13.9       | 7.9                       | 2.11     | 5.8      | 48.4      | 3.76       | 22.9       |
|            | 0.44        | 28.2       | 20         | 9.0                       | 1.31     | 7.7      | 26.8      | 6.86       | 13.6       | 9.0                       | 1.25     | 7.8      | 25.0      | 7.21       | 23.2       | 9.0                       | 1.22     | 7.8      | 23.8      | 7.41       | 35.0       |
|            |             |            | 30         | 8.8                       | 1.63     | 7.1      | 36.6      | 5.38       | 10.6       | 8.8                       | 1.55     | 7.3      | 34.8      | 5.67       | 19.3       | 8.8                       | 1.51     | 7.3      | 33.7      | 5.84       | 29.8       |
|            |             |            | 40         | 8.6                       | 2.04     | 6.5      | 46.5      | 4.19       | 7.3        | 8.6                       | 1.95     | 6.7      | 44.7      | 4.41       | 15.5       | 8.6                       | 1.90     | 6.7      | 43.7      | 4.54       | 24.6       |
|            |             |            | 45         | 8.5                       | 2.28     | 6.2      | 51.4      | 3.70       | 6.2        | 8.5                       | 2.18     | 6.3      | 49.7      | 3.89       | 13.9       | 8.5                       | 2.13     | 6.4      | 48.6      | 4.00       | 22.9       |
|            | 0.57        | 41.3       | 20         | 9.1                       | 1.31     | 7.8      | 26.9      | 6.95       | 13.6       | 9.2                       | 1.25     | 7.9      | 25.0      | 7.30       | 23.2       | 9.2                       | 1.22     | 8.0      | 23.9      | 7.51       | 35.0       |
|            |             |            | 30         | 8.9                       | 1.64     | 7.3      | 36.7      | 5.45       | 10.6       | 9.0                       | 1.56     | 7.4      | 34.9      | 5.74       | 19.3       | 9.0                       | 1.52     | 7.5      | 33.8      | 5.91       | 29.8       |
|            |             |            | 40         | 8.7                       | 2.05     | 6.7      | 46.6      | 4.24       | 7.3        | 8.7                       | 1.96     | 6.8      | 44.8      | 4.47       | 15.5       | 8.8                       | 1.91     | 6.9      | 43.7      | 4.60       | 24.6       |
|            |             |            | 45         | 8.6                       | 2.29     | 6.3      | 51.5      | 3.75       | 6.2        | 8.6                       | 2.19     | 6.4      | 49.7      | 3.94       | 13.9       | 8.7                       | 2.14     | 6.5      | 48.7      | 4.06       | 22.9       |
| 15         | 0.32        | 19.7       | 20         | 9.3                       | 1.32     | 8.0      | 27.0      | 7.06       | 13.6       | 9.3                       | 1.26     | 8.1      | 25.1      | 7.42       | 23.2       | 9.3                       | 1.23     | 8.1      | 24.0      | 7.62       | 35.0       |
|            |             |            | 30         | 9.1                       | 1.45     | 7.6      | 36.9      | 6.27       | 10.6       | 9.1                       | 1.38     | 7.7      | 35.0      | 6.61       | 19.3       | 9.1                       | 1.34     | 7.8      | 33.9      | 6.81       | 29.8       |
|            |             |            | 40         | 8.9                       | 1.81     | 7.0      | 46.7      | 4.89       | 7.3        | 8.9                       | 1.73     | 7.2      | 44.9      | 5.15       | 15.5       | 8.9                       | 1.69     | 7.2      | 43.8      | 5.30       | 24.6       |
|            |             |            | 45         | 8.7                       | 2.03     | 6.7      | 51.6      | 4.32       | 6.2        | 8.8                       | 1.94     | 6.9      | 49.8      | 4.54       | 13.9       | 8.8                       | 1.89     | 6.9      | 48.7      | 4.67       | 22.9       |
|            | 0.44        | 26.5       | 20         | 10.0                      | 1.32     | 8.6      | 27.5      | 7.51       | 13.6       | 10.0                      | 1.27     | 8.7      | 25.5      | 7.90       | 23.2       | 10.0                      | 1.23     | 8.8      | 24.3      | 8.12       | 35.0       |
|            |             |            | 30         | 9.7                       | 1.46     | 8.3      | 37.4      | 6.68       | 10.6       | 9.8                       | 1.39     | 8.4      | 35.4      | 7.04       | 19.3       | 9.8                       | 1.35     | 8.5      | 34.2      | 7.25       | 29.8       |
|            |             |            | 40         | 9.5                       | 1.83     | 7.7      | 47.2      | 5.20       | 7.3        | 9.6                       | 1.74     | 7.8      | 45.2      | 5.48       | 15.5       | 9.6                       | 1.70     | 7.9      | 44.1      | 5.64       | 24.6       |
|            |             |            | 45         | 9.4                       | 2.04     | 7.3      | 52.1      | 4.60       | 6.2        | 9.4                       | 1.95     | 7.5      | 50.2      | 4.83       | 13.9       | 9.5                       | 1.90     | 7.6      | 49.0      | 4.97       | 22.9       |
|            | 0.57        | 34.1       | 20         | 10.1                      | 1.33     | 8.8      | 27.6      | 7.61       | 13.6       | 10.2                      | 1.27     | 8.9      | 25.6      | 8.00       | 23.2       | 10.2                      | 1.24     | 9.0      | 24.3      | 8.22       | 35.0       |
|            |             |            | 30         | 9.9                       | 1.46     | 8.4      | 37.5      | 6.77       | 10.6       | 9.9                       | 1.39     | 8.6      | 35.5      | 7.13       | 19.3       | 10.0                      | 1.36     | 8.6      | 34.2      | 7.35       | 29.8       |
|            |             |            | 40         | 9.7                       | 1.83     | 7.8      | 47.3      | 5.27       | 7.3        | 9.7                       | 1.75     | 8.0      | 45.3      | 5.55       | 15.5       | 9.7                       | 1.70     | 8.0      | 44.1      | 5.71       | 24.6       |
|            |             |            | 45         | 9.5                       | 2.05     | 7.5      | 52.2      | 4.66       | 6.2        | 9.6                       | 1.96     | 7.6      | 50.3      | 4.90       | 13.9       | 9.6                       | 1.91     | 7.7      | 49.1      | 5.04       | 22.9       |
| 20         | 0.32        | 16.0       | 20         | 10.6                      | 1.36     | 9.2      | 28.0      | 7.75       | 13.6       | 11.1                      | 1.30     | 9.8      | 26.1      | 8.53       | 23.2       | 11.1                      | 1.26     | 9.8      | 24.7      | 8.82       | 35.0       |
|            |             |            | 30         | 10.4                      | 1.70     | 8.7      | 37.8      | 6.13       | 10.6       | 10.9                      | 1.61     | 9.3      | 36.0      | 6.77       | 19.3       | 10.9                      | 1.55     | 9.4      | 34.6      | 7.03       | 29.8       |
|            |             |            | 40         | 10.2                      | 2.12     | 8.0      | 47.7      | 4.79       | 7.3        | 10.7                      | 2.01     | 8.6      | 45.9      | 5.29       | 15.5       | 10.7                      | 1.95     | 8.8      | 44.5      | 5.50       | 24.6       |
|            |             |            | 45         | OPERATION NOT RECOMMENDED |          |          |           |            |            | 10.5                      | 2.25     | 8.3      | 50.8      | 4.68       | 13.9       | 10.6                      | 2.18     | 8.4      | 49.5      | 4.85       | 22.9       |
|            | 0.44        | 25.1       | 20         | 11.3                      | 1.37     | 10.0     | 28.6      | 8.25       | 13.6       | 11.9                      | 1.31     | 10.5     | 26.5      | 9.08       | 23.2       | 11.9                      | 1.26     | 10.6     | 25.0      | 9.40       | 35.0       |
|            |             |            | 30         | 11.1                      | 1.71     | 9.4      | 38.4      | 6.52       | 10.6       | 11.7                      | 1.62     | 10.1     | 36.4      | 7.21       | 19.3       | 11.7                      | 1.56     | 10.1     | 35.0      | 7.49       | 29.8       |
|            |             |            | 40         | 10.9                      | 2.14     | 8.8      | 48.2      | 5.10       | 7.3        | 11.4                      | 2.03     | 9.4      | 46.3      | 5.64       | 15.5       | 11.5                      | 1.96     | 9.5      | 44.9      | 5.86       | 24.6       |
|            |             |            | 45         | OPERATION NOT RECOMMENDED |          |          |           |            |            | 11.3                      | 2.27     | 9.0      | 51.2      | 4.98       | 13.9       | 11.3                      | 2.19     | 9.2      | 49.8      | 5.17       | 22.9       |
|            | 0.57        | 37.5       | 20         | 11.5                      | 1.38     | 10.1     | 28.7      | 8.36       | 13.6       | 12.1                      | 1.31     | 10.7     | 26.6      | 9.20       | 23.2       | 12.1                      | 1.27     | 10.8     | 25.1      | 9.52       | 35.0       |
|            |             |            | 30         | 11.3                      | 1.71     | 9.6      | 38.6      | 6.61       | 10.6       | 11.9                      | 1.62     | 10.2     | 36.5      | 7.30       | 19.3       | 11.9                      | 1.57     | 10.3     | 35.0      | 7.58       | 29.8       |
|            |             |            | 40         | 11.1                      | 2.15     | 8.9      | 48.4      | 5.16       | 7.3        | 11.6                      | 2.04     | 9.6      | 46.4      | 5.71       | 15.5       | 11.7                      | 1.97     | 9.7      | 44.9      | 5.93       | 24.6       |
|            |             |            | 45         | OPERATION NOT RECOMMENDED |          |          |           |            |            | 11.5                      | 2.28     | 9.2      | 51.3      | 5.05       | 13.9       | 11.5                      | 2.20     | 9.3      | 49.9      | 5.24       | 22.9       |



**CLIMATEMASTER®**

# PERFORMANCE DATA

## GSW060 COOLING

# GSW Series 50Hz - R22 Submittal Data Eng/SI

Contractor: \_\_\_\_\_ P.O.: \_\_\_\_\_

Engineer: \_\_\_\_\_

Project Name: \_\_\_\_\_ Unit Tag: \_\_\_\_\_

| SOURCE     |             |            | LOAD       |               |          |          |           |            |            |               |          |          |           |            |            |               |          |          |           |            |            |
|------------|-------------|------------|------------|---------------|----------|----------|-----------|------------|------------|---------------|----------|----------|-----------|------------|------------|---------------|----------|----------|-----------|------------|------------|
| ESWT<br>°C | Flow<br>l/s | WPD<br>kPa | ELWT<br>°C | Flow 0.47 l/s |          |          |           |            |            | Flow 0.71 l/s |          |          |           |            |            | Flow 0.95 l/s |          |          |           |            |            |
|            |             |            |            | TC<br>kW      | PI<br>kW | HR<br>kW | LWT<br>°C | EER<br>W/W | WPD<br>kPa | TC<br>kW      | PI<br>kW | HR<br>kW | LWT<br>°C | EER<br>W/W | WPD<br>kPa | TC<br>kW      | PI<br>kW | HR<br>kW | LWT<br>°C | EER<br>W/W | WPD<br>kPa |
| 10         | 0.47        | 15.5       | 10         | 12.3          | 2.00     | 14.3     | 3.7       | 6.15       | 12.6       | 12.8          | 2.01     | 14.8     | 5.6       | 6.38       | 23.8       | 13.1          | 2.02     | 15.1     | 6.7       | 6.49       | 38.6       |
|            |             |            | 15         | 13.5          | 2.02     | 15.5     | 8.1       | 6.66       | 11.0       | 14.0          | 2.04     | 16.1     | 10.2      | 6.88       | 21.2       | 14.3          | 2.04     | 16.3     | 11.4      | 6.99       | 34.6       |
|            |             |            | 20         | 14.6          | 2.05     | 16.6     | 12.5      | 7.11       | 9.8        | 15.1          | 2.06     | 17.2     | 14.9      | 7.33       | 19.3       | 15.4          | 2.07     | 17.4     | 16.1      | 7.43       | 31.8       |
|            |             |            | 25         | 15.6          | 2.07     | 17.6     | 17.0      | 7.52       | 8.9        | 16.1          | 2.08     | 18.1     | 19.5      | 7.72       | 17.7       | 16.3          | 2.08     | 18.4     | 20.9      | 7.82       | 29.0       |
|            |             |            | 30         | 16.4          | 2.09     | 18.5     | 21.5      | 7.87       | 7.7        | 16.9          | 2.09     | 19.0     | 24.3      | 8.06       | 15.5       | 17.1          | 2.10     | 19.2     | 25.6      | 8.15       | 26.2       |
|            | 0.71        | 27.3       | 10         | 12.4          | 1.91     | 14.3     | 3.6       | 6.49       | 12.6       | 12.9          | 1.92     | 14.9     | 5.6       | 6.74       | 23.8       | 13.2          | 1.93     | 15.1     | 6.6       | 6.86       | 38.6       |
|            |             |            | 15         | 13.6          | 1.94     | 15.5     | 8.0       | 7.03       | 11.0       | 14.2          | 1.95     | 16.1     | 10.2      | 7.27       | 21.2       | 14.4          | 1.95     | 16.4     | 11.3      | 7.38       | 34.6       |
|            |             |            | 20         | 14.7          | 1.96     | 16.7     | 12.4      | 7.51       | 9.8        | 15.3          | 1.97     | 17.2     | 14.8      | 7.74       | 19.3       | 15.5          | 1.98     | 17.5     | 16.1      | 7.85       | 31.8       |
|            |             |            | 25         | 15.7          | 1.98     | 17.7     | 16.9      | 7.94       | 8.9        | 16.2          | 1.99     | 18.2     | 19.5      | 8.15       | 17.7       | 16.5          | 1.99     | 18.5     | 20.8      | 8.26       | 29.0       |
|            |             |            | 30         | 16.6          | 2.00     | 18.6     | 21.5      | 8.32       | 7.7        | 17.1          | 2.00     | 19.1     | 24.2      | 8.51       | 15.5       | 17.3          | 2.01     | 19.3     | 25.6      | 8.61       | 26.2       |
|            | 0.95        | 42.0       | 10         | 12.6          | 1.86     | 14.4     | 3.5       | 6.75       | 12.6       | 13.1          | 1.88     | 15.0     | 5.5       | 7.00       | 23.8       | 13.4          | 1.88     | 15.3     | 6.6       | 7.12       | 38.6       |
|            |             |            | 15         | 13.8          | 1.89     | 15.7     | 7.9       | 7.30       | 11.0       | 14.4          | 1.90     | 16.3     | 10.1      | 7.55       | 21.2       | 14.6          | 1.91     | 16.6     | 11.3      | 7.67       | 34.6       |
|            |             |            | 20         | 14.9          | 1.92     | 16.9     | 12.3      | 7.80       | 9.8        | 15.5          | 1.93     | 17.4     | 14.7      | 8.04       | 19.3       | 15.7          | 1.93     | 17.7     | 16.0      | 8.15       | 31.8       |
|            |             |            | 25         | 16.0          | 1.94     | 17.9     | 16.8      | 8.24       | 8.9        | 16.5          | 1.94     | 18.4     | 19.4      | 8.47       | 17.7       | 16.7          | 1.95     | 18.7     | 20.7      | 8.58       | 29.0       |
|            |             |            | 30         | 16.8          | 1.95     | 18.8     | 21.3      | 8.64       | 7.7        | 17.3          | 1.96     | 19.3     | 24.1      | 8.85       | 15.5       | 17.5          | 1.96     | 19.5     | 25.5      | 8.94       | 26.2       |
| 20         | 0.47        | 13.4       | 10         | 11.5          | 2.50     | 13.9     | 4.1       | 4.58       | 12.6       | 12.0          | 2.51     | 14.5     | 5.9       | 4.77       | 23.8       | 12.3          | 2.52     | 14.8     | 6.9       | 4.86       | 38.6       |
|            |             |            | 15         | 12.7          | 2.54     | 15.3     | 8.5       | 5.02       | 11.0       | 13.3          | 2.55     | 15.8     | 10.5      | 5.20       | 21.2       | 13.5          | 2.56     | 16.1     | 11.6      | 5.29       | 34.6       |
|            |             |            | 20         | 13.9          | 2.57     | 16.5     | 12.9      | 5.41       | 9.8        | 14.4          | 2.59     | 17.0     | 15.1      | 5.59       | 19.3       | 14.7          | 2.59     | 17.3     | 16.3      | 5.67       | 31.8       |
|            |             |            | 25         | 15.0          | 2.60     | 17.6     | 17.3      | 5.76       | 8.9        | 15.5          | 2.62     | 18.1     | 19.7      | 5.93       | 17.7       | 15.8          | 2.63     | 18.4     | 21.0      | 6.01       | 29.0       |
|            |             |            | 30         | 16.0          | 2.63     | 18.6     | 21.8      | 6.07       | 7.7        | 16.5          | 2.65     | 19.1     | 24.4      | 6.23       | 15.5       | 16.7          | 2.65     | 19.4     | 25.7      | 6.31       | 26.2       |
|            | 0.71        | 24.5       | 10         | 11.6          | 2.39     | 14.0     | 4.0       | 4.84       | 12.6       | 12.1          | 2.40     | 14.5     | 5.9       | 5.03       | 23.8       | 12.4          | 2.41     | 14.8     | 6.8       | 5.13       | 38.6       |
|            |             |            | 15         | 12.8          | 2.43     | 15.3     | 8.4       | 5.30       | 11.0       | 13.4          | 2.44     | 15.8     | 10.4      | 5.49       | 21.2       | 13.7          | 2.45     | 16.1     | 11.5      | 5.59       | 34.6       |
|            |             |            | 20         | 14.0          | 2.46     | 16.5     | 12.8      | 5.71       | 9.8        | 14.6          | 2.47     | 17.1     | 15.0      | 5.90       | 19.3       | 14.9          | 2.48     | 17.4     | 16.2      | 5.99       | 31.8       |
|            |             |            | 25         | 15.1          | 2.49     | 17.6     | 17.2      | 6.08       | 8.9        | 15.7          | 2.50     | 18.2     | 19.7      | 6.26       | 17.7       | 15.9          | 2.51     | 18.5     | 20.9      | 6.35       | 29.0       |
|            |             |            | 30         | 16.1          | 2.52     | 18.6     | 21.7      | 6.41       | 7.7        | 16.6          | 2.53     | 19.2     | 24.3      | 6.58       | 15.5       | 16.9          | 2.54     | 19.4     | 25.7      | 6.66       | 26.2       |
|            | 0.95        | 37.9       | 10         | 11.7          | 2.33     | 14.1     | 4.0       | 5.03       | 12.6       | 12.3          | 2.35     | 14.6     | 5.8       | 5.23       | 23.8       | 12.6          | 2.36     | 14.9     | 6.8       | 5.33       | 38.6       |
|            |             |            | 15         | 13.0          | 2.37     | 15.4     | 8.3       | 5.50       | 11.0       | 13.6          | 2.38     | 16.0     | 10.4      | 5.70       | 21.2       | 13.9          | 2.39     | 16.3     | 11.5      | 5.80       | 34.6       |
|            |             |            | 20         | 14.2          | 2.40     | 16.7     | 12.7      | 5.93       | 9.8        | 14.8          | 2.42     | 17.2     | 15.0      | 6.13       | 19.3       | 15.1          | 2.42     | 17.5     | 16.2      | 6.22       | 31.8       |
|            |             |            | 25         | 15.4          | 2.43     | 17.8     | 17.1      | 6.32       | 8.9        | 15.9          | 2.45     | 18.4     | 19.6      | 6.50       | 17.7       | 16.2          | 2.45     | 18.6     | 20.9      | 6.59       | 29.0       |
|            |             |            | 30         | 16.4          | 2.46     | 18.8     | 21.6      | 6.66       | 7.7        | 16.9          | 2.47     | 19.4     | 24.2      | 6.83       | 15.5       | 17.2          | 2.48     | 19.6     | 25.6      | 6.92       | 26.2       |
| 30         | 0.47        | 10.6       | 10         | 10.6          | 3.18     | 13.8     | 4.5       | 3.33       | 12.6       | 11.1          | 3.20     | 14.3     | 6.2       | 3.47       | 23.8       | 11.3          | 3.21     | 14.5     | 7.1       | 3.53       | 38.6       |
|            |             |            | 15         | 11.8          | 3.23     | 15.1     | 8.9       | 3.67       | 11.0       | 12.3          | 3.25     | 15.6     | 10.8      | 3.80       | 21.2       | 12.6          | 3.26     | 15.9     | 11.8      | 3.87       | 34.6       |
|            |             |            | 20         | 13.0          | 3.27     | 16.3     | 13.3      | 3.97       | 9.8        | 13.5          | 3.29     | 16.8     | 15.4      | 4.10       | 19.3       | 13.7          | 3.30     | 17.0     | 16.5      | 4.17       | 31.8       |
|            |             |            | 25         | 14.0          | 3.31     | 17.3     | 17.8      | 4.25       | 8.9        | 14.5          | 3.32     | 17.8     | 20.1      | 4.38       | 17.7       | 14.8          | 3.32     | 18.1     | 21.2      | 4.44       | 29.0       |
|            |             |            | 30         | 15.0          | 3.33     | 18.3     | 22.3      | 4.50       | 7.7        | 15.4          | 3.34     | 18.8     | 24.7      | 4.62       | 15.5       | 15.6          | 3.34     | 19.0     | 26.0      | 4.68       | 26.2       |
|            | 0.71        | 21.1       | 10         | 10.7          | 3.04     | 13.7     | 4.5       | 3.52       | 12.6       | 11.2          | 3.06     | 14.3     | 6.2       | 3.66       | 23.8       | 11.4          | 3.07     | 14.5     | 7.1       | 3.73       | 38.6       |
|            |             |            | 15         | 12.0          | 3.09     | 15.1     | 8.8       | 3.87       | 11.0       | 12.5          | 3.11     | 15.6     | 10.8      | 4.01       | 21.2       | 12.7          | 3.12     | 15.8     | 11.8      | 4.08       | 34.6       |
|            |             |            | 20         | 13.1          | 3.13     | 16.3     | 13.2      | 4.20       | 9.8        | 13.6          | 3.15     | 16.8     | 15.4      | 4.33       | 19.3       | 13.9          | 3.15     | 17.0     | 16.5      | 4.40       | 31.8       |
|            |             |            | 25         | 14.2          | 3.16     | 17.3     | 17.7      | 4.49       | 8.9        | 14.7          | 3.17     | 17.8     | 20.0      | 4.62       | 17.7       | 14.9          | 3.18     | 18.1     | 21.2      | 4.69       | 29.0       |
|            |             |            | 30         | 15.1          | 3.18     | 18.3     | 22.2      | 4.75       | 7.7        | 15.6          | 3.19     | 18.8     | 24.7      | 4.88       | 15.5       | 15.8          | 3.20     | 19.0     | 26.0      | 4.94       | 26.2       |
|            | 0.95        | 34.5       | 10         | 10.9          | 2.97     | 13.8     | 4.4       | 3.66       | 12.6       | 11.4          | 2.99     | 14.4     | 6.1       | 3.80       | 23.8       | 11.6          | 3.00     | 14.6     | 7.0       | 3.87       | 38.6       |
|            |             |            | 15         | 12.1          | 3.02     | 15.2     | 8.8       | 4.02       | 11.0       | 12.7          | 3.04     | 15.7     | 10.7      | 4.17       | 21.2       | 12.9          | 3.04     | 16.0     | 11.7      | 4.24       | 34.6       |
|            |             |            | 20         | 13.3          | 3.06     | 16.4     | 13.1      | 4.36       | 9.8        | 13.8          | 3.07     | 16.9     | 15.3      | 4.50       | 19.3       | 14.1          | 3.08     | 17.2     | 16.4      | 4.57       | 31.8       |
|            |             |            | 25         | 14.4          | 3.09     | 17.5     | 17.6      | 4.66       | 8.9        | 14.9          | 3.10     | 18.0     | 19.9      | 4.80       | 17.7       | 15.1          | 3.11     | 18.2     | 21.1      | 4.87       | 29.0       |
|            |             |            | 30         | 15.4          | 3.11     | 18.5     | 22.1      | 4.93       | 7.7        | 15.8          | 3.12     | 18.9     | 24.6      | 5.07       | 15.5       | 16.0          | 3.12     | 19.2     | 25.9      | 5.13       | 26.2       |
| 40         | 0.47        | 8.9        | 10         | 9.3           | 4.00     | 13.3     | 5.2       | 2.33       | 12.6       | 9.8           | 4.03     | 13.8     | 6.7       | 2.43       | 23.8       | 10.0          | 4.04     | 14.0     | 7.5       | 2.48       | 38.6       |
|            |             |            | 15         | 10.6          | 4.07     | 14.7     | 9.5       | 2.61       | 11.0       | 11.1          | 3.99     | 15.1     | 11.2      | 2.78       | 21.2       | 11.3          | 4.10     | 15.4     | 12.1      | 2.76       | 34.6       |
|            |             |            | 20         | 11.8          | 4.13     | 15.9     | 13.9      | 2.86       | 9.8        | 12.3          | 4.05     | 16.3     | 15.8      | 3.04       | 19.3       | 12.5          | 4.16     | 16.7     | 16.8      | 3.01       | 31.8       |
|            |             |            | 25         | 12.9          | 4.18     | 17.1     | 18.3      | 3.10       | 8.9        | 13.4          | 4.10     | 17.5     | 20.4      | 3.27       | 17.7       | 13.7          | 4.21     | 17.9     | 21.5      | 3.24       | 29.0       |
|            |             |            | 30         | 13.9          | 4.22     | 18.2     | 22.8      | 3.31       | 7.7        | 14.4          | 4.13     | 18.6     | 25.1      | 3.49       | 15.5       | 14.7          | 4.25     | 18.9     | 26.3      | 3.45       | 26.2       |
|            | 0.71        | 19.2       | 10         | 9.4           | 3.83     | 13.3     | 5.2       | 2.46       | 12.6       | 9.9           | 3.85     | 13.7     | 6.6       | 2.56       | 23.8       | 10.1          | 3.86     | 14.0     | 7.4       | 2.61       | 38.6       |
|            |             |            | 15         | 10.7          | 3.89     | 14.6     | 9.5       | 2.76       | 11.0       | 11.2          | 3.82     | 15.0     | 11.2      | 2.93       | 21.2       | 11.4          | 3.93     | 15.4     | 12.1      | 2.91       | 34.6       |
|            |             |            | 20         | 11.9          | 3.95     | 15.9     | 13.9      | 3.02       | 9.8        | 12.4          | 3.87     | 16.3     | 15.8      | 3.21       | 19.3       | 12.7          | 3.98     | 16.6     | 16.8      | 3.18       | 31.8       |
|            |             |            | 25         | 13.1          | 4.00     | 17.1     | 18.3      | 3.27       | 8.9        | 13.5          | 3.92     | 17.5     | 20.4      | 3.46       | 17.7       | 13.8          | 4.02     | 17.8     | 21.5      | 3.43       | 29.0       |
|            |             |            | 30         | 14.1          | 4.04     | 18.1     | 22.8      | 3.49       | 7.7        | 14.6          | 3.95     | 18.5     | 25.0      | 3.68       | 15.5       | 14.8          | 4.06     | 18.9     | 26.2      | 3.64       | 26.2       |
|            | 0.95        | 31.4       | 10         | 9.6           | 3.74     | 13.3     | 5.1       | 2.56       | 12.6       | 10.0          | 3.76     | 13.8     | 6.6       | 2.66       | 23.8       | 10.2          | 3.77     | 14.0     | 7.4       | 2.72       | 38.6       |
|            |             |            | 15         | 10.9          | 3.80     | 14.7     | 9.4       | 2.86       | 11.0       | 11.4          | 3.73     | 15.1     | 11.1      | 3.05       | 21.2       | 11.6          | 3.84     | 15.4     | 12.0      | 3.03       | 34.6       |
|            |             |            | 20         | 12.1          | 3.86     | 16.0     | 13.8      | 3.14       | 9.8        | 12.6          | 3.78     | 16.4     | 15.7      | 3.33       | 19.3       | 12.9          | 3.89     | 16.7     | 16.7      | 3.31       | 31.8       |
|            |             |            | 25         | 13.3          | 3.90     | 17.2     | 18.2      | 3.40       | 8.9        | 13.7          | 3.83     | 17.6     | 20.3      | 3.59       | 17.7       | 14.0          | 3.93     | 17.9     | 21.4      | 3.56       | 29.0       |
|            |             |            | 30         | 14.3          | 3.94     | 18.2     | 22.6      | 3.63       | 7.7        | 14.8          | 3.86     | 18.6     | 25.0      | 3.83       | 15.5       | 15.0          | 3.97     | 19.0     | 26.2      | 3.79       | 26.2       |



**CLIMATEMASTER®**PERFORMANCE DATA  
GSW060 HEATING**GSW Series 50Hz - R22 Submittal Data Eng/SI**

Contractor: \_\_\_\_\_ P.O.: \_\_\_\_\_

Engineer: \_\_\_\_\_

Project Name: \_\_\_\_\_ Unit Tag: \_\_\_\_\_

| SOURCE |      |      | LOAD |                           |       |       |        |         |         |                           |       |       |        |         |         |                           |       |       |        |         |         |
|--------|------|------|------|---------------------------|-------|-------|--------|---------|---------|---------------------------|-------|-------|--------|---------|---------|---------------------------|-------|-------|--------|---------|---------|
| ESWT   | Flow | WPD  | ELWT | Flow 0.47 l/s             |       |       |        |         |         | Flow 0.71 l/s             |       |       |        |         |         | Flow 0.95 l/s             |       |       |        |         |         |
|        |      |      |      | HC kW                     | PI kW | HE kW | LWT °C | COP W/W | WPD kPa | HC kW                     | PI kW | HE kW | LWT °C | COP W/W | WPD kPa | HC kW                     | PI kW | HE kW | LWT °C | COP W/W | WPD kPa |
| -5     | 0.95 | 54.5 | 20   | 9.5                       | 2.21  | 7.3   | 24.9   | 4.30    | 11.0    | 9.6                       | 2.12  | 7.5   | 23.3   | 4.51    | 21.2    | 9.6                       | 2.08  | 7.5   | 22.5   | 4.62    | 34.6    |
|        |      |      | 30   | 9.1                       | 2.72  | 6.4   | 34.7   | 3.35    | 8.9     | 9.2                       | 2.61  | 6.6   | 33.1   | 3.51    | 17.7    | 9.2                       | 2.56  | 6.6   | 32.3   | 3.60    | 29.0    |
|        |      |      | 40   | 8.9                       | 3.37  | 5.5   | 44.6   | 2.65    | 6.3     | 8.9                       | 3.24  | 5.7   | 43.0   | 2.76    | 13.4    | 9.0                       | 3.17  | 5.8   | 42.3   | 2.82    | 24.2    |
|        |      |      | 45   | OPERATION NOT RECOMMENDED |       |       |        |         |         | OPERATION NOT RECOMMENDED |       |       |        |         |         | OPERATION NOT RECOMMENDED |       |       |        |         |         |
| 0      | 0.47 | 21.4 | 20   | 9.9                       | 2.23  | 7.6   | 25.1   | 4.43    | 11.0    | 10.0                      | 2.14  | 7.8   | 23.4   | 4.65    | 21.2    | 10.0                      | 2.10  | 7.9   | 22.5   | 4.77    | 34.6    |
|        |      |      | 30   | 9.5                       | 2.74  | 6.7   | 34.9   | 3.46    | 8.9     | 9.5                       | 2.63  | 6.9   | 33.2   | 3.62    | 17.7    | 9.6                       | 2.58  | 7.0   | 32.4   | 3.71    | 29.0    |
|        |      |      | 40   | 9.3                       | 3.39  | 5.9   | 44.8   | 2.73    | 6.3     | 9.3                       | 3.26  | 6.0   | 43.2   | 2.85    | 13.4    | 9.3                       | 3.20  | 6.1   | 42.4   | 2.91    | 24.2    |
|        |      |      | 45   | 9.2                       | 3.77  | 5.4   | 49.7   | 2.44    | 4.5     | 9.2                       | 3.63  | 5.6   | 48.1   | 2.54    | 11.1    | 9.2                       | 3.56  | 5.7   | 47.4   | 2.60    | 20.0    |
|        | 0.71 | 34.4 | 20   | 10.4                      | 2.24  | 8.2   | 25.4   | 4.65    | 11.0    | 10.5                      | 2.16  | 8.4   | 23.6   | 4.89    | 21.2    | 10.6                      | 2.12  | 8.5   | 22.7   | 5.01    | 34.6    |
|        |      |      | 30   | 10.0                      | 2.76  | 7.3   | 35.2   | 3.63    | 8.9     | 10.1                      | 2.65  | 7.4   | 33.4   | 3.80    | 17.7    | 10.1                      | 2.60  | 7.5   | 32.6   | 3.89    | 29.0    |
|        |      |      | 40   | 9.8                       | 3.42  | 6.4   | 45.0   | 2.87    | 6.3     | 9.8                       | 3.29  | 6.5   | 43.3   | 2.99    | 13.4    | 9.8                       | 3.22  | 6.6   | 42.5   | 3.05    | 24.2    |
|        |      |      | 45   | 9.8                       | 3.80  | 6.0   | 50.0   | 2.57    | 4.5     | 9.8                       | 3.66  | 6.1   | 48.3   | 2.67    | 11.1    | 9.8                       | 3.59  | 6.2   | 47.5   | 2.72    | 20.0    |
|        | 0.95 | 50.7 | 20   | 10.9                      | 2.25  | 8.7   | 25.6   | 4.84    | 11.0    | 11.0                      | 2.17  | 8.8   | 23.8   | 5.08    | 21.2    | 11.1                      | 2.13  | 8.9   | 22.8   | 5.21    | 34.6    |
|        |      |      | 30   | 10.5                      | 2.77  | 7.7   | 35.4   | 3.78    | 8.9     | 10.5                      | 2.66  | 7.9   | 33.6   | 3.96    | 17.7    | 10.6                      | 2.61  | 8.0   | 32.7   | 4.05    | 29.0    |
|        |      |      | 40   | 10.2                      | 3.44  | 6.8   | 45.3   | 2.98    | 6.3     | 10.3                      | 3.30  | 7.0   | 43.5   | 3.11    | 13.4    | 10.3                      | 3.24  | 7.1   | 42.6   | 3.18    | 24.2    |
|        |      |      | 45   | 10.2                      | 3.82  | 6.4   | 50.2   | 2.67    | 4.5     | 10.2                      | 3.67  | 6.5   | 48.5   | 2.78    | 11.1    | 10.2                      | 3.60  | 6.6   | 47.6   | 2.84    | 20.0    |
| 5      | 0.47 | 18.4 | 20   | 11.7                      | 2.31  | 9.4   | 26.0   | 5.07    | 11.0    | 11.8                      | 2.18  | 9.6   | 24.0   | 5.39    | 21.2    | 11.8                      | 2.12  | 9.7   | 23.0   | 5.55    | 34.6    |
|        |      |      | 30   | 11.4                      | 2.86  | 8.6   | 35.9   | 4.00    | 8.9     | 11.5                      | 2.71  | 8.8   | 33.9   | 4.25    | 17.7    | 11.5                      | 2.63  | 8.9   | 32.9   | 4.38    | 29.0    |
|        |      |      | 40   | 11.1                      | 3.53  | 7.6   | 45.7   | 3.15    | 6.3     | 11.2                      | 3.35  | 7.8   | 43.8   | 3.34    | 13.4    | 11.2                      | 3.27  | 8.0   | 42.9   | 3.44    | 24.2    |
|        |      |      | 45   | 10.9                      | 3.91  | 7.0   | 50.6   | 2.79    | 4.5     | 11.0                      | 3.72  | 7.3   | 48.8   | 2.96    | 11.1    | 11.1                      | 3.63  | 7.4   | 47.8   | 3.05    | 20.0    |
|        | 0.71 | 30.5 | 20   | 12.4                      | 2.33  | 10.1  | 26.4   | 5.32    | 11.0    | 12.4                      | 2.20  | 10.2  | 24.2   | 5.65    | 21.2    | 12.5                      | 2.14  | 10.3  | 23.2   | 5.82    | 34.6    |
|        |      |      | 30   | 12.1                      | 2.88  | 9.2   | 36.2   | 4.20    | 8.9     | 12.2                      | 2.73  | 9.5   | 34.2   | 4.47    | 17.7    | 12.2                      | 2.66  | 9.6   | 33.1   | 4.60    | 29.0    |
|        |      |      | 40   | 11.8                      | 3.56  | 8.2   | 46.1   | 3.30    | 6.3     | 11.9                      | 3.38  | 8.5   | 44.0   | 3.51    | 13.4    | 11.9                      | 3.30  | 8.6   | 43.0   | 3.61    | 24.2    |
|        |      |      | 45   | 11.6                      | 3.95  | 7.6   | 51.0   | 2.93    | 4.5     | 11.7                      | 3.76  | 7.9   | 49.0   | 3.11    | 11.1    | 11.7                      | 3.66  | 8.1   | 48.0   | 3.20    | 20.0    |
|        | 0.95 | 45.5 | 20   | 12.9                      | 2.34  | 10.6  | 26.7   | 5.54    | 11.0    | 13.0                      | 2.21  | 10.8  | 24.4   | 5.88    | 21.2    | 13.0                      | 2.15  | 10.9  | 23.3   | 6.06    | 34.6    |
|        |      |      | 30   | 12.7                      | 2.90  | 9.8   | 36.5   | 4.37    | 8.9     | 12.7                      | 2.74  | 10.0  | 34.3   | 4.65    | 17.7    | 12.8                      | 2.67  | 10.1  | 33.3   | 4.79    | 29.0    |
|        |      |      | 40   | 12.3                      | 3.58  | 8.7   | 46.3   | 3.44    | 6.3     | 12.4                      | 3.40  | 9.0   | 44.2   | 3.65    | 13.4    | 12.4                      | 3.31  | 9.1   | 43.2   | 3.76    | 24.2    |
|        |      |      | 45   | 12.1                      | 3.97  | 8.1   | 51.2   | 3.05    | 4.5     | 12.2                      | 3.77  | 8.4   | 49.2   | 3.23    | 11.1    | 12.2                      | 3.68  | 8.6   | 48.1   | 3.33    | 20.0    |
| 10     | 0.47 | 15.5 | 20   | 13.1                      | 2.34  | 10.7  | 26.7   | 5.59    | 11.0    | 13.2                      | 2.22  | 10.9  | 24.5   | 5.94    | 21.2    | 13.2                      | 2.16  | 11.0  | 23.4   | 6.11    | 34.6    |
|        |      |      | 30   | 12.8                      | 2.90  | 9.9   | 36.6   | 4.41    | 8.9     | 12.9                      | 2.75  | 10.1  | 34.4   | 4.69    | 17.7    | 12.9                      | 2.67  | 10.2  | 33.3   | 4.83    | 29.0    |
|        |      |      | 40   | 12.4                      | 3.59  | 8.9   | 46.4   | 3.47    | 6.3     | 12.5                      | 3.41  | 9.1   | 44.3   | 3.68    | 13.4    | 12.6                      | 3.32  | 9.3   | 43.2   | 3.79    | 24.2    |
|        |      |      | 45   | 12.2                      | 3.98  | 8.3   | 51.3   | 3.08    | 4.5     | 12.3                      | 3.78  | 8.6   | 49.2   | 3.26    | 11.1    | 12.4                      | 3.69  | 8.7   | 48.2   | 3.36    | 20.0    |
|        | 0.71 | 27.3 | 20   | 13.9                      | 2.36  | 11.5  | 27.1   | 5.87    | 11.0    | 13.9                      | 2.24  | 11.7  | 24.7   | 6.23    | 21.2    | 14.0                      | 2.18  | 11.8  | 23.6   | 6.42    | 34.6    |
|        |      |      | 30   | 13.6                      | 2.93  | 10.6  | 37.0   | 4.63    | 8.9     | 13.6                      | 2.77  | 10.9  | 34.6   | 4.92    | 17.7    | 13.7                      | 2.70  | 11.0  | 33.5   | 5.07    | 29.0    |
|        |      |      | 40   | 13.2                      | 3.62  | 9.6   | 46.8   | 3.64    | 6.3     | 13.3                      | 3.44  | 9.8   | 44.5   | 3.86    | 13.4    | 13.3                      | 3.35  | 10.0  | 43.4   | 3.98    | 24.2    |
|        |      |      | 45   | 13.0                      | 4.01  | 8.9   | 51.7   | 3.23    | 4.5     | 13.1                      | 3.81  | 9.2   | 49.4   | 3.42    | 11.1    | 13.1                      | 3.72  | 9.4   | 48.3   | 3.53    | 20.0    |
|        | 0.95 | 42.0 | 20   | 14.5                      | 2.37  | 12.1  | 27.5   | 6.10    | 11.0    | 14.6                      | 2.25  | 12.3  | 25.0   | 6.48    | 21.2    | 14.6                      | 2.19  | 12.4  | 23.7   | 6.68    | 34.6    |
|        |      |      | 30   | 14.2                      | 2.94  | 11.2  | 37.3   | 4.81    | 8.9     | 14.3                      | 2.78  | 11.5  | 34.9   | 5.12    | 17.7    | 14.3                      | 2.71  | 11.6  | 33.6   | 5.28    | 29.0    |
|        |      |      | 40   | 13.8                      | 3.63  | 10.1  | 47.1   | 3.79    | 6.3     | 13.9                      | 3.45  | 10.4  | 44.7   | 4.02    | 13.4    | 13.9                      | 3.36  | 10.6  | 43.5   | 4.14    | 24.2    |
|        |      |      | 45   | 13.5                      | 4.03  | 9.5   | 52.0   | 3.36    | 4.5     | 13.6                      | 3.83  | 9.8   | 49.6   | 3.56    | 11.1    | 13.7                      | 3.74  | 10.0  | 48.5   | 3.67    | 20.0    |
| 15     | 0.47 | 14.3 | 20   | 14.4                      | 2.38  | 12.0  | 27.4   | 6.05    | 11.0    | 14.5                      | 2.25  | 12.2  | 24.9   | 6.43    | 21.2    | 14.5                      | 2.19  | 12.3  | 23.7   | 6.62    | 34.6    |
|        |      |      | 30   | 14.1                      | 2.95  | 11.1  | 37.2   | 4.78    | 8.9     | 14.2                      | 2.79  | 11.4  | 34.8   | 5.08    | 17.7    | 14.2                      | 2.71  | 11.5  | 33.6   | 5.24    | 29.0    |
|        |      |      | 40   | 13.7                      | 3.64  | 10.0  | 47.0   | 3.76    | 6.3     | 13.8                      | 3.45  | 10.3  | 44.7   | 3.99    | 13.4    | 13.8                      | 3.37  | 10.5  | 43.5   | 4.11    | 24.2    |
|        |      |      | 45   | 13.4                      | 4.03  | 9.4   | 51.9   | 3.33    | 4.5     | 13.6                      | 3.84  | 9.7   | 49.6   | 3.53    | 11.1    | 13.6                      | 3.74  | 9.9   | 48.5   | 3.64    | 20.0    |
|        | 0.71 | 26.0 | 20   | 15.2                      | 2.40  | 12.8  | 27.8   | 6.36    | 11.0    | 15.3                      | 2.27  | 13.0  | 25.2   | 6.75    | 21.2    | 15.4                      | 2.21  | 13.1  | 23.9   | 6.95    | 34.6    |
|        |      |      | 30   | 14.9                      | 2.97  | 11.9  | 37.7   | 5.02    | 8.9     | 15.0                      | 2.81  | 12.2  | 35.1   | 5.33    | 17.7    | 15.0                      | 2.74  | 12.3  | 33.8   | 5.50    | 29.0    |
|        |      |      | 40   | 14.5                      | 3.67  | 10.8  | 47.4   | 3.94    | 6.3     | 14.6                      | 3.48  | 11.1  | 45.0   | 4.19    | 13.4    | 14.6                      | 3.39  | 11.3  | 43.7   | 4.32    | 24.2    |
|        |      |      | 45   | 14.2                      | 4.07  | 10.2  | 52.3   | 3.50    | 4.5     | 14.4                      | 3.87  | 10.5  | 49.9   | 3.71    | 11.1    | 14.4                      | 3.77  | 10.6  | 48.7   | 3.82    | 20.0    |
|        | 0.95 | 39.6 | 20   | 15.9                      | 2.41  | 13.5  | 28.2   | 6.61    | 11.0    | 16.0                      | 2.28  | 13.7  | 25.4   | 7.03    | 21.2    | 16.0                      | 2.22  | 13.8  | 24.1   | 7.24    | 34.6    |
|        |      |      | 30   | 15.6                      | 2.98  | 12.6  | 38.0   | 5.22    | 8.9     | 15.7                      | 2.82  | 12.8  | 35.3   | 5.55    | 17.7    | 15.7                      | 2.75  | 13.0  | 34.0   | 5.72    | 29.0    |
|        |      |      | 40   | 15.1                      | 3.69  | 11.4  | 47.8   | 4.10    | 6.3     | 15.2                      | 3.50  | 11.7  | 45.2   | 4.36    | 13.4    | 15.3                      | 3.41  | 11.9  | 43.9   | 4.49    | 24.2    |
|        |      |      | 45   | 14.9                      | 4.08  | 10.8  | 52.7   | 3.64    | 4.5     | 15.0                      | 3.88  | 11.1  | 50.1   | 3.86    | 11.1    | 15.1                      | 3.79  | 11.3  | 48.8   | 3.98    | 20.0    |
| 20     | 0.47 | 13.4 | 20   | 15.7                      | 2.45  | 13.2  | 28.1   | 6.38    | 11.0    | 15.7                      | 2.30  | 13.4  | 25.4   | 6.85    | 21.2    | 15.8                      | 2.22  | 13.5  | 24.0   | 7.09    | 34.6    |
|        |      |      | 30   | 15.4                      | 3.03  | 12.4  | 37.9   | 5.08    | 8.9     | 15.5                      | 2.84  | 12.6  | 35.3   | 5.45    | 17.7    | 15.5                      | 2.75  | 12.8  | 34.0   | 5.64    | 29.0    |
|        |      |      | 40   | 15.2                      | 3.73  | 11.4  | 47.8   | 4.07    | 6.3     | 15.2                      | 3.50  | 11.7  | 45.2   | 4.35    | 13.4    | 15.3                      | 3.40  | 11.9  | 43.9   | 4.50    | 24.2    |
|        |      |      | 45   | OPERATION NOT RECOMMENDED |       |       |        |         |         | 15.1                      | 3.88  | 11.2  | 50.2   | 3.90    | 11.1    | 15.2                      | 3.77  | 11.4  | 48.9   | 4.02    | 20.0    |
|        | 0.71 | 24.5 | 20   | 16.6                      | 2.47  | 14.1  | 28.5   | 6.70    | 11.0    | 16.7                      | 2.31  | 14.3  | 25.7   | 7.20    | 21.2    | 16.7                      | 2.24  | 14.5  | 24.2   | 7.45    | 34.6    |
|        |      |      | 30   | 16.3                      | 3.06  | 13.3  | 38.4   | 5.34    | 8.9     | 16.4                      | 2.86  | 13.5  | 35.6   | 5.73    | 17.7    | 16.4                      | 2.77  | 13.7  | 34.2   | 5.93    | 29.0    |
|        |      |      | 40   | 16.1                      | 3.76  | 12.3  | 48.3   | 4.27    | 6.3     | 16.1                      | 3.53  | 12.6  | 45.5   | 4.57    | 13.4    | 16.2                      | 3.43  | 12.8  | 44.1   | 4.72    | 24.2    |
|        |      |      | 45   | OPERATION NOT RECOMMENDED |       |       |        |         |         | 16.0                      | 3.91  | 12.1  | 50.5   | 4.09    | 11.1    | 16.1                      | 3.80  | 12.3  | 49.1   | 4.23    | 20.0    |
|        | 0.95 | 37.9 | 20   | 17.3                      | 2.48  | 14.8  | 28.9   | 6.97    | 11.0    | 17.4                      | 2.32  | 15.1  | 25.9   | 7.49    | 21.2    | 17.4                      | 2.25  | 15.2  | 24.4   | 7.75    | 34.6    |
|        |      |      | 30   | 17.1                      | 3.07  | 14.0  | 38.8   | 5.55    | 8.9     | 17.1                      | 2.88  | 14.3  | 35.8   | 5.96    | 17.7    | 17.2                      | 2.78  | 14.4  | 34.4   | 6.17    | 29.0    |
|        |      |      | 40   | 16.8                      | 3.78  | 13.0  | 48.6   | 4.45    | 6.3     | 16.9                      | 3.55  | 13.3  | 45.7   | 4.75    | 13.4    | 16.9                      | 3.44  | 13.5  | 44.3   | 4.91    | 24.2    |
|        |      |      | 45   | OPERATION NOT RECOMMENDED |       |       |        |         |         | 16.7                      | 3.93  | 12.8  | 50.7   | 4.26    | 11.1    | 16.8                      | 3.81  | 13.0  | 49.3   | 4.40    | 20.0    |

**CLIMATEMASTER®**

PERFORMANCE DATA

GSW120 COOLING

# GSW Series 50Hz - R22 Submittal Data Eng/SI

Contractor: \_\_\_\_\_ P.O.: \_\_\_\_\_

Engineer: \_\_\_\_\_

Project Name: \_\_\_\_\_ Unit Tag: \_\_\_\_\_

| SOURCE |      |      | LOAD |               |       |       |        |         |         |               |       |       |        |         |         |               |       |       |        |         |         |
|--------|------|------|------|---------------|-------|-------|--------|---------|---------|---------------|-------|-------|--------|---------|---------|---------------|-------|-------|--------|---------|---------|
| ESWT   | Flow | WPD  | ELWT | Flow 0.95 l/s |       |       |        |         |         | Flow 1.43 l/s |       |       |        |         |         | Flow 1.89 l/s |       |       |        |         |         |
|        |      |      |      | TC kW         | PI kW | HR kW | LWT °C | EER W/W | WPD kPa | TC kW         | PI kW | HR kW | LWT °C | EER W/W | WPD kPa | TC kW         | PI kW | HR kW | LWT °C | EER W/W | WPD kPa |
| 10     | 0.95 | 15.5 | 10   | 24.5          | 3.99  | 28.5  | 3.8    | 6.15    | 17.7    | 25.6          | 4.02  | 29.6  | 5.7    | 6.38    | 33.3    | 26.2          | 4.03  | 30.2  | 6.7    | 6.49    | 54.0    |
|        |      |      | 15   | 27.0          | 4.05  | 31.0  | 8.1    | 6.66    | 15.4    | 28.0          | 4.07  | 32.1  | 10.3   | 6.88    | 29.6    | 28.6          | 4.09  | 32.7  | 11.3   | 6.99    | 48.4    |
|        |      |      | 20   | 29.1          | 4.10  | 33.2  | 12.6   | 7.11    | 13.7    | 30.2          | 4.12  | 34.3  | 14.9   | 7.33    | 27.0    | 30.7          | 4.13  | 34.8  | 16.1   | 7.43    | 44.5    |
|        |      |      | 25   | 31.1          | 4.14  | 35.3  | 17.1   | 7.52    | 12.4    | 32.1          | 4.16  | 36.3  | 19.6   | 7.72    | 24.7    | 32.6          | 4.17  | 36.8  | 20.8   | 7.82    | 40.6    |
|        |      |      | 30   | 32.9          | 4.17  | 37.0  | 21.6   | 7.87    | 10.8    | 33.8          | 4.19  | 38.0  | 24.3   | 8.06    | 21.7    | 34.2          | 4.19  | 38.4  | 25.6   | 8.15    | 36.7    |
|        | 1.43 | 27.3 | 10   | 24.8          | 3.82  | 28.6  | 3.7    | 6.49    | 17.7    | 25.9          | 3.84  | 29.7  | 5.6    | 6.74    | 33.3    | 26.4          | 3.86  | 30.3  | 6.6    | 6.86    | 54.0    |
|        |      |      | 15   | 27.2          | 3.87  | 31.1  | 8.1    | 7.03    | 15.4    | 28.3          | 3.90  | 32.2  | 10.2   | 7.27    | 29.6    | 28.9          | 3.91  | 32.8  | 11.3   | 7.38    | 48.4    |
|        |      |      | 20   | 29.4          | 3.92  | 33.4  | 12.5   | 7.51    | 13.7    | 30.5          | 3.94  | 34.4  | 14.8   | 7.74    | 27.0    | 31.0          | 3.95  | 35.0  | 16.0   | 7.85    | 44.5    |
|        |      |      | 25   | 31.4          | 3.96  | 35.4  | 17.0   | 7.94    | 12.4    | 32.4          | 3.98  | 36.4  | 19.5   | 8.15    | 24.7    | 32.9          | 3.99  | 36.9  | 20.8   | 8.26    | 40.6    |
|        |      |      | 30   | 33.2          | 3.99  | 37.2  | 21.6   | 8.32    | 10.8    | 34.1          | 4.01  | 38.1  | 24.2   | 8.51    | 21.7    | 34.5          | 4.01  | 38.5  | 25.6   | 8.61    | 36.7    |
|        | 1.89 | 42.0 | 10   | 25.2          | 3.73  | 28.9  | 3.6    | 6.75    | 17.7    | 26.3          | 3.75  | 30.0  | 5.6    | 7.00    | 33.3    | 26.8          | 3.77  | 30.6  | 6.6    | 7.12    | 54.0    |
|        |      |      | 15   | 27.6          | 3.78  | 31.4  | 8.0    | 7.30    | 15.4    | 28.7          | 3.81  | 32.6  | 10.1   | 7.55    | 29.6    | 29.3          | 3.82  | 33.1  | 11.3   | 7.67    | 48.4    |
|        |      |      | 20   | 29.9          | 3.83  | 33.7  | 12.4   | 7.80    | 13.7    | 31.0          | 3.85  | 34.8  | 14.8   | 8.04    | 27.0    | 31.5          | 3.86  | 35.4  | 16.0   | 8.15    | 44.5    |
|        |      |      | 25   | 31.9          | 3.87  | 35.8  | 16.9   | 8.24    | 12.4    | 32.9          | 3.89  | 36.8  | 19.4   | 8.47    | 24.7    | 33.4          | 3.90  | 37.3  | 20.7   | 8.58    | 40.6    |
|        |      |      | 30   | 33.7          | 3.90  | 37.6  | 21.4   | 8.64    | 10.8    | 34.6          | 3.91  | 38.5  | 24.1   | 8.85    | 21.7    | 35.1          | 3.92  | 39.0  | 25.5   | 8.94    | 36.7    |
| 20     | 0.95 | 13.4 | 10   | 22.9          | 5.00  | 27.9  | 4.2    | 4.58    | 17.7    | 24.0          | 5.03  | 29.0  | 5.9    | 4.77    | 33.3    | 24.5          | 5.04  | 29.6  | 6.9    | 4.86    | 54.0    |
|        |      |      | 15   | 25.4          | 5.07  | 30.5  | 8.5    | 5.02    | 15.4    | 26.5          | 5.10  | 31.6  | 10.5   | 5.20    | 29.6    | 27.1          | 5.12  | 32.2  | 11.5   | 5.29    | 48.4    |
|        |      |      | 20   | 27.8          | 5.14  | 32.9  | 12.9   | 5.41    | 13.7    | 28.9          | 5.17  | 34.1  | 15.1   | 5.59    | 27.0    | 29.4          | 5.19  | 34.6  | 16.2   | 5.67    | 44.5    |
|        |      |      | 25   | 30.0          | 5.20  | 35.2  | 17.4   | 5.76    | 12.4    | 31.0          | 5.24  | 36.3  | 19.8   | 5.93    | 24.7    | 31.6          | 5.25  | 36.8  | 21.0   | 6.01    | 40.6    |
|        |      |      | 30   | 31.9          | 5.26  | 37.2  | 21.9   | 6.07    | 10.8    | 33.0          | 5.29  | 38.3  | 24.4   | 6.23    | 21.7    | 33.5          | 5.31  | 38.8  | 25.7   | 6.31    | 36.7    |
|        | 1.43 | 24.5 | 10   | 23.1          | 4.78  | 27.9  | 4.1    | 4.84    | 17.7    | 24.2          | 4.81  | 29.0  | 5.9    | 5.03    | 33.3    | 24.8          | 4.82  | 29.6  | 6.8    | 5.13    | 54.0    |
|        |      |      | 15   | 25.7          | 4.85  | 30.5  | 8.5    | 5.30    | 15.4    | 26.8          | 4.88  | 31.7  | 10.5   | 5.49    | 29.6    | 27.4          | 4.90  | 32.3  | 11.5   | 5.59    | 48.4    |
|        |      |      | 20   | 28.1          | 4.92  | 33.0  | 12.9   | 5.71    | 13.7    | 29.2          | 4.95  | 34.1  | 15.1   | 5.90    | 27.0    | 29.7          | 4.96  | 34.7  | 16.2   | 5.99    | 44.5    |
|        |      |      | 25   | 30.3          | 4.98  | 35.2  | 17.3   | 6.08    | 12.4    | 31.4          | 5.01  | 36.4  | 19.7   | 6.26    | 24.7    | 31.9          | 5.02  | 36.9  | 20.9   | 6.35    | 40.6    |
|        |      |      | 30   | 32.3          | 5.03  | 37.3  | 21.8   | 6.41    | 10.8    | 33.3          | 5.06  | 38.4  | 24.4   | 6.58    | 21.7    | 33.8          | 5.08  | 38.9  | 25.7   | 6.66    | 36.7    |
|        | 1.89 | 37.9 | 10   | 23.5          | 4.67  | 28.1  | 4.0    | 5.03    | 17.7    | 24.6          | 4.70  | 29.3  | 5.8    | 5.23    | 33.3    | 25.1          | 4.71  | 29.8  | 6.8    | 5.33    | 54.0    |
|        |      |      | 15   | 26.1          | 4.74  | 30.8  | 8.4    | 5.50    | 15.4    | 27.2          | 4.77  | 32.0  | 10.4   | 5.70    | 29.6    | 27.8          | 4.79  | 32.6  | 11.4   | 5.80    | 48.4    |
|        |      |      | 20   | 28.5          | 4.80  | 33.3  | 12.7   | 5.93    | 13.7    | 29.6          | 4.83  | 34.5  | 15.0   | 6.13    | 27.0    | 30.2          | 4.85  | 35.0  | 16.1   | 6.22    | 44.5    |
|        |      |      | 25   | 30.7          | 4.86  | 35.6  | 17.2   | 6.32    | 12.4    | 31.8          | 4.89  | 36.7  | 19.6   | 6.50    | 24.7    | 32.4          | 4.91  | 37.3  | 20.9   | 6.59    | 40.6    |
|        |      |      | 30   | 32.7          | 4.92  | 37.7  | 21.7   | 6.66    | 10.8    | 33.8          | 4.95  | 38.7  | 24.3   | 6.83    | 21.7    | 34.3          | 4.96  | 39.3  | 25.6   | 6.92    | 36.7    |
| 30     | 0.95 | 10.6 | 10   | 21.2          | 6.36  | 27.6  | 4.6    | 3.33    | 17.7    | 22.2          | 6.40  | 28.6  | 6.3    | 3.47    | 33.3    | 22.7          | 6.42  | 29.1  | 7.1    | 3.53    | 54.0    |
|        |      |      | 15   | 23.7          | 6.46  | 30.2  | 9.0    | 3.67    | 15.4    | 24.7          | 6.50  | 31.2  | 10.8   | 3.80    | 29.6    | 25.2          | 6.52  | 31.7  | 11.8   | 3.87    | 48.4    |
|        |      |      | 20   | 26.0          | 6.54  | 32.5  | 13.4   | 3.97    | 13.7    | 27.0          | 6.58  | 33.6  | 15.4   | 4.10    | 27.0    | 27.5          | 6.59  | 34.1  | 16.5   | 4.17    | 44.5    |
|        |      |      | 25   | 28.1          | 6.61  | 34.7  | 17.9   | 4.25    | 12.4    | 29.0          | 6.64  | 35.7  | 20.1   | 4.38    | 24.7    | 29.5          | 6.65  | 36.2  | 21.2   | 4.44    | 40.6    |
|        |      |      | 30   | 30.0          | 6.66  | 36.6  | 22.4   | 4.50    | 10.8    | 30.8          | 6.68  | 37.5  | 24.8   | 4.62    | 21.7    | 31.3          | 6.68  | 38.0  | 26.0   | 4.68    | 36.7    |
|        | 1.43 | 21.1 | 10   | 21.4          | 6.08  | 27.5  | 4.6    | 3.52    | 17.7    | 22.4          | 6.12  | 28.5  | 6.2    | 3.66    | 33.3    | 22.9          | 6.14  | 29.0  | 7.1    | 3.73    | 54.0    |
|        |      |      | 15   | 23.9          | 6.18  | 30.1  | 8.9    | 3.87    | 15.4    | 24.9          | 6.21  | 31.2  | 10.8   | 4.01    | 29.6    | 25.5          | 6.23  | 31.7  | 11.7   | 4.08    | 48.4    |
|        |      |      | 20   | 26.3          | 6.26  | 32.5  | 13.3   | 4.20    | 13.7    | 27.3          | 6.29  | 33.6  | 15.4   | 4.33    | 27.0    | 27.8          | 6.31  | 34.1  | 16.4   | 4.40    | 44.5    |
|        |      |      | 25   | 28.4          | 6.32  | 34.7  | 17.8   | 4.49    | 12.4    | 29.3          | 6.35  | 35.7  | 20.0   | 4.62    | 24.7    | 29.8          | 6.36  | 36.2  | 21.2   | 4.69    | 40.6    |
|        |      |      | 30   | 30.3          | 6.37  | 36.6  | 22.3   | 4.75    | 10.8    | 31.2          | 6.39  | 37.5  | 24.7   | 4.88    | 21.7    | 31.6          | 6.39  | 38.0  | 26.0   | 4.94    | 36.7    |
|        | 1.89 | 34.5 | 10   | 21.7          | 5.94  | 27.7  | 4.5    | 3.66    | 17.7    | 22.7          | 5.98  | 28.7  | 6.2    | 3.80    | 33.3    | 23.2          | 6.00  | 29.2  | 7.0    | 3.87    | 54.0    |
|        |      |      | 15   | 24.3          | 6.04  | 30.3  | 8.8    | 4.02    | 15.4    | 25.3          | 6.07  | 31.4  | 10.7   | 4.17    | 29.6    | 25.8          | 6.09  | 31.9  | 11.7   | 4.24    | 48.4    |
|        |      |      | 20   | 26.7          | 6.12  | 32.8  | 13.2   | 4.36    | 13.7    | 27.7          | 6.15  | 33.8  | 15.3   | 4.50    | 27.0    | 28.2          | 6.16  | 34.3  | 16.4   | 4.57    | 44.5    |
|        |      |      | 25   | 28.8          | 6.18  | 35.0  | 17.7   | 4.66    | 12.4    | 29.8          | 6.20  | 36.0  | 20.0   | 4.80    | 24.7    | 30.3          | 6.21  | 36.5  | 21.1   | 4.87    | 40.6    |
|        |      |      | 30   | 30.7          | 6.22  | 36.9  | 22.2   | 4.93    | 10.8    | 31.6          | 6.24  | 37.9  | 24.7   | 5.07    | 21.7    | 32.1          | 6.25  | 38.3  | 25.9   | 5.13    | 36.7    |
| 40     | 0.95 | 8.9  | 10   | 18.7          | 8.01  | 26.7  | 5.3    | 2.33    | 17.7    | 19.5          | 8.05  | 27.6  | 6.7    | 2.43    | 33.3    | 20.0          | 8.08  | 28.1  | 7.4    | 2.48    | 54.0    |
|        |      |      | 15   | 21.2          | 8.14  | 29.4  | 9.6    | 2.61    | 15.4    | 22.2          | 7.98  | 30.2  | 11.3   | 2.78    | 29.6    | 22.6          | 8.21  | 30.8  | 12.1   | 2.76    | 48.4    |
|        |      |      | 20   | 23.6          | 8.25  | 31.9  | 14.0   | 2.86    | 13.7    | 24.6          | 8.10  | 32.7  | 15.8   | 3.04    | 27.0    | 25.1          | 8.32  | 33.4  | 16.8   | 3.01    | 44.5    |
|        |      |      | 25   | 25.9          | 8.35  | 34.2  | 18.4   | 3.10    | 12.4    | 26.8          | 8.19  | 35.0  | 20.5   | 3.27    | 24.7    | 27.3          | 8.42  | 35.7  | 21.5   | 3.24    | 40.6    |
|        |      |      | 30   | 27.9          | 8.44  | 36.3  | 22.9   | 3.31    | 10.8    | 28.8          | 8.27  | 37.1  | 25.1   | 3.49    | 21.7    | 29.3          | 8.49  | 37.8  | 26.3   | 3.45    | 36.7    |
|        | 1.43 | 19.2 | 10   | 18.8          | 7.66  | 26.5  | 5.2    | 2.46    | 17.7    | 19.7          | 7.70  | 27.4  | 6.7    | 2.56    | 33.3    | 20.2          | 7.72  | 27.9  | 7.4    | 2.61    | 54.0    |
|        |      |      | 15   | 21.4          | 7.78  | 29.2  | 9.5    | 2.76    | 15.4    | 22.4          | 7.64  | 30.0  | 11.2   | 2.93    | 29.6    | 22.9          | 7.85  | 30.7  | 12.1   | 2.91    | 48.4    |
|        |      |      | 20   | 23.9          | 7.90  | 31.8  | 13.9   | 3.02    | 13.7    | 24.8          | 7.74  | 32.6  | 15.8   | 3.21    | 27.0    | 25.3          | 7.96  | 33.3  | 16.8   | 3.18    | 44.5    |
|        |      |      | 25   | 26.1          | 7.99  | 34.1  | 18.4   | 3.27    | 12.4    | 27.1          | 7.83  | 34.9  | 20.4   | 3.46    | 24.7    | 27.6          | 8.05  | 35.6  | 21.5   | 3.43    | 40.6    |
|        |      |      | 30   | 28.2          | 8.07  | 36.3  | 22.8   | 3.49    | 10.8    | 29.1          | 7.91  | 37.0  | 25.1   | 3.68    | 21.7    | 29.6          | 8.12  | 37.7  | 26.2   | 3.64    | 36.7    |
|        | 1.89 | 31.4 | 10   | 19.1          | 7.48  | 26.6  | 5.1    | 2.56    | 17.7    | 20.0          | 7.53  | 27.6  | 6.6    | 2.66    | 33.3    | 20.5          | 7.55  | 28.0  | 7.4    | 2.72    | 54.0    |
|        |      |      | 15   | 21.8          | 7.61  | 29.4  | 9.5    | 2.86    | 15.4    | 22.7          | 7.46  | 30.2  | 11.2   | 3.05    | 29.6    | 23.2          | 7.67  | 30.9  | 12.0   | 3.03    | 48.4    |
|        |      |      | 20   | 24.2          | 7.71  | 31.9  | 13.8   | 3.14    | 13.7    | 25.2          | 7.57  | 32.8  | 15.7   | 3.33    | 27.0    | 25.7          | 7.78  | 33.5  | 16.7   | 3.31    | 44.5    |
|        |      |      | 25   | 26.5          | 7.81  | 34.3  | 18.3   | 3.40    | 12.4    | 27.5          | 7.66  | 35.2  | 20.4   | 3.59    | 24.7    | 28.0          | 7.87  | 35.9  | 21.4   | 3.56    | 40.6    |
|        |      |      | 30   | 28.6          | 7.89  | 36.5  | 22.7   | 3.63    | 10.8    | 29.6          | 7.73  | 37.3  | 25.0   | 3.83    | 21.7    | 30.0          | 7.94  | 38.0  | 26.2   | 3.79    | 36.7    |





**CLIMATEMASTER®**

# PERFORMANCE DATA GSW120 HEATING

## GSW Series 50Hz - R22 Submittal Data Eng/SI

Contractor: \_\_\_\_\_ P.O.: \_\_\_\_\_

Engineer: \_\_\_\_\_

Project Name: \_\_\_\_\_ Unit Tag: \_\_\_\_\_

| SOURCE     |             |            | LOAD       |                           |          |          |           |            |            |                           |          |          |           |            |            |                           |          |          |           |            |            |
|------------|-------------|------------|------------|---------------------------|----------|----------|-----------|------------|------------|---------------------------|----------|----------|-----------|------------|------------|---------------------------|----------|----------|-----------|------------|------------|
| ESWT<br>°C | Flow<br>l/s | WPD<br>kPa | ELWT<br>°C | Flow 0.95 l/s             |          |          |           |            |            | Flow 1.43 l/s             |          |          |           |            |            | Flow 1.89 l/s             |          |          |           |            |            |
|            |             |            |            | HC<br>kW                  | PI<br>kW | HE<br>kW | LWT<br>°C | COP<br>W/W | WPD<br>kPa | HC<br>kW                  | PI<br>kW | HE<br>kW | LWT<br>°C | COP<br>W/W | WPD<br>kPa | HC<br>kW                  | PI<br>kW | HE<br>kW | LWT<br>°C | COP<br>W/W | WPD<br>kPa |
| -5         | 1.89        | 76.3       | 20         | 19.0                      | 4.42     | 14.6     | 24.8      | 4.30       | 15.4       | 19.2                      | 4.25     | 14.9     | 23.2      | 4.51       | 29.6       | 19.3                      | 4.17     | 15.1     | 22.5      | 4.62       | 48.4       |
|            |             |            | 30         | 18.2                      | 5.44     | 12.8     | 34.6      | 3.35       | 12.4       | 18.4                      | 5.22     | 13.1     | 33.1      | 3.51       | 24.7       | 18.4                      | 5.12     | 13.3     | 32.4      | 3.60       | 40.6       |
|            |             |            | 40         | 17.8                      | 6.73     | 11.1     | 44.5      | 2.65       | 8.8        | 17.9                      | 6.47     | 11.4     | 43.0      | 2.76       | 18.8       | 17.9                      | 6.35     | 11.6     | 42.3      | 2.82       | 33.8       |
|            |             |            | 45         | OPERATION NOT RECOMMENDED |          |          |           |            |            | OPERATION NOT RECOMMENDED |          |          |           |            |            | OPERATION NOT RECOMMENDED |          |          |           |            |            |
| 0          | 0.95        | 29.9       | 20         | 19.7                      | 4.45     | 15.3     | 25.0      | 4.43       | 15.4       | 19.9                      | 4.28     | 15.6     | 23.4      | 4.65       | 29.6       | 20.0                      | 4.20     | 15.8     | 22.6      | 4.77       | 48.4       |
|            |             |            | 30         | 18.9                      | 5.48     | 13.5     | 34.8      | 3.46       | 12.4       | 19.1                      | 5.26     | 13.8     | 33.2      | 3.62       | 24.7       | 19.1                      | 5.16     | 14.0     | 32.4      | 3.71       | 40.6       |
|            |             |            | 40         | 18.5                      | 6.78     | 11.7     | 44.7      | 2.73       | 8.8        | 18.6                      | 6.52     | 12.1     | 43.1      | 2.85       | 18.8       | 18.6                      | 6.39     | 12.2     | 42.4      | 2.91       | 33.8       |
|            |             |            | 45         | 18.4                      | 7.54     | 10.9     | 49.7      | 2.44       | 6.3        | 18.5                      | 7.25     | 11.2     | 48.1      | 2.54       | 15.5       | 18.5                      | 7.12     | 11.4     | 47.4      | 2.60       | 28.0       |
|            | 1.43        | 48.2       | 20         | 20.9                      | 4.49     | 16.4     | 25.3      | 4.65       | 15.4       | 21.1                      | 4.32     | 16.8     | 23.6      | 4.89       | 29.6       | 21.2                      | 4.23     | 17.0     | 22.7      | 5.01       | 48.4       |
|            |             |            | 30         | 20.1                      | 5.53     | 14.5     | 35.1      | 3.63       | 12.4       | 20.2                      | 5.31     | 14.9     | 33.4      | 3.80       | 24.7       | 20.3                      | 5.20     | 15.1     | 32.6      | 3.89       | 40.6       |
|            |             |            | 40         | 19.6                      | 6.84     | 12.8     | 45.0      | 2.87       | 8.8        | 19.7                      | 6.58     | 13.1     | 43.3      | 2.99       | 18.8       | 19.7                      | 6.45     | 13.2     | 42.5      | 3.05       | 33.8       |
|            |             |            | 45         | 19.5                      | 7.61     | 11.9     | 50.0      | 2.57       | 6.3        | 19.5                      | 7.32     | 12.2     | 48.3      | 2.67       | 15.5       | 19.6                      | 7.18     | 12.4     | 47.5      | 2.72       | 28.0       |
|            | 1.89        | 71.0       | 20         | 21.8                      | 4.51     | 17.3     | 25.6      | 4.84       | 15.4       | 22.0                      | 4.33     | 17.7     | 23.7      | 5.08       | 29.6       | 22.1                      | 4.25     | 17.9     | 22.8      | 5.21       | 48.4       |
|            |             |            | 30         | 21.0                      | 5.55     | 15.4     | 35.3      | 3.78       | 12.4       | 21.1                      | 5.33     | 15.8     | 33.6      | 3.96       | 24.7       | 21.2                      | 5.22     | 15.9     | 32.7      | 4.05       | 40.6       |
|            |             |            | 40         | 20.5                      | 6.87     | 13.6     | 45.2      | 2.98       | 8.8        | 20.5                      | 6.60     | 13.9     | 43.5      | 3.11       | 18.8       | 20.6                      | 6.48     | 14.1     | 42.6      | 3.18       | 33.8       |
|            |             |            | 45         | 20.4                      | 7.64     | 12.8     | 50.2      | 2.67       | 6.3        | 20.4                      | 7.35     | 13.1     | 48.5      | 2.78       | 15.5       | 20.4                      | 7.21     | 13.2     | 47.6      | 2.84       | 28.1       |
| 5          | 0.95        | 25.7       | 20         | 23.4                      | 4.61     | 18.8     | 26.0      | 5.07       | 15.4       | 23.5                      | 4.36     | 19.1     | 24.0      | 5.39       | 29.6       | 23.6                      | 4.25     | 19.3     | 23.0      | 5.55       | 48.4       |
|            |             |            | 30         | 22.9                      | 5.72     | 17.2     | 35.8      | 4.00       | 12.4       | 23.0                      | 5.41     | 17.6     | 33.9      | 4.25       | 24.7       | 23.1                      | 5.26     | 17.8     | 33.0      | 4.38       | 40.6       |
|            |             |            | 40         | 22.2                      | 7.07     | 15.2     | 45.7      | 3.15       | 8.8        | 22.4                      | 6.70     | 15.7     | 43.8      | 3.34       | 18.8       | 22.5                      | 6.53     | 15.9     | 42.9      | 3.44       | 33.8       |
|            |             |            | 45         | 21.8                      | 7.83     | 14.0     | 50.6      | 2.79       | 6.3        | 22.0                      | 7.44     | 14.6     | 48.7      | 2.96       | 15.5       | 22.1                      | 7.26     | 14.9     | 47.8      | 3.05       | 28.0       |
|            | 1.43        | 42.7       | 20         | 24.8                      | 4.65     | 20.1     | 26.3      | 5.32       | 15.4       | 24.9                      | 4.40     | 20.5     | 24.2      | 5.65       | 29.6       | 24.9                      | 4.29     | 20.7     | 23.2      | 5.82       | 48.4       |
|            |             |            | 30         | 24.2                      | 5.77     | 18.5     | 36.2      | 4.20       | 12.4       | 24.4                      | 5.46     | 18.9     | 34.1      | 4.47       | 24.7       | 24.4                      | 5.31     | 19.1     | 33.1      | 4.60       | 40.6       |
|            |             |            | 40         | 23.5                      | 7.13     | 16.4     | 46.0      | 3.30       | 8.8        | 23.7                      | 6.76     | 17.0     | 44.0      | 3.51       | 18.8       | 23.8                      | 6.59     | 17.2     | 43.0      | 3.61       | 33.8       |
|            |             |            | 45         | 23.1                      | 7.90     | 15.2     | 50.9      | 2.93       | 6.3        | 23.3                      | 7.51     | 15.8     | 48.9      | 3.11       | 15.5       | 23.4                      | 7.32     | 16.1     | 48.0      | 3.20       | 28.0       |
|            | 1.89        | 63.7       | 20         | 25.9                      | 4.67     | 21.2     | 26.6      | 5.54       | 15.4       | 26.0                      | 4.42     | 21.6     | 24.4      | 5.88       | 29.6       | 26.1                      | 4.30     | 21.8     | 23.3      | 6.06       | 48.4       |
|            |             |            | 30         | 25.3                      | 5.79     | 19.5     | 36.4      | 4.37       | 12.4       | 25.5                      | 5.48     | 20.0     | 34.3      | 4.65       | 24.7       | 25.5                      | 5.33     | 20.2     | 33.3      | 4.79       | 40.6       |
|            |             |            | 40         | 24.6                      | 7.16     | 17.4     | 46.3      | 3.44       | 8.8        | 24.8                      | 6.79     | 18.0     | 44.2      | 3.65       | 18.8       | 24.9                      | 6.62     | 18.3     | 43.2      | 3.76       | 33.8       |
|            |             |            | 45         | 24.2                      | 7.93     | 16.2     | 51.2      | 3.05       | 6.3        | 24.4                      | 7.54     | 16.8     | 49.1      | 3.23       | 15.5       | 24.5                      | 7.35     | 17.1     | 48.1      | 3.33       | 28.0       |
| 10         | 0.95        | 21.7       | 20         | 26.2                      | 4.69     | 21.5     | 26.7      | 5.59       | 15.4       | 26.3                      | 4.43     | 21.9     | 24.4      | 5.94       | 29.6       | 26.4                      | 4.32     | 22.1     | 23.4      | 6.11       | 48.4       |
|            |             |            | 30         | 25.6                      | 5.81     | 19.8     | 36.5      | 4.41       | 12.4       | 25.8                      | 5.50     | 20.3     | 34.4      | 4.69       | 24.7       | 25.8                      | 5.35     | 20.5     | 33.3      | 4.83       | 40.6       |
|            |             |            | 40         | 24.9                      | 7.18     | 17.7     | 46.3      | 3.47       | 8.8        | 25.1                      | 6.81     | 18.3     | 44.2      | 3.68       | 18.8       | 25.2                      | 6.64     | 18.5     | 43.2      | 3.79       | 33.8       |
|            |             |            | 45         | 24.5                      | 7.95     | 16.5     | 51.2      | 3.08       | 6.3        | 24.7                      | 7.56     | 17.1     | 49.2      | 3.26       | 15.5       | 24.8                      | 7.38     | 17.4     | 48.2      | 3.36       | 28.0       |
|            | 1.43        | 38.3       | 20         | 27.7                      | 4.73     | 23.0     | 27.1      | 5.87       | 15.4       | 27.9                      | 4.47     | 23.4     | 24.7      | 6.23       | 29.6       | 27.9                      | 4.35     | 23.6     | 23.6      | 6.42       | 48.4       |
|            |             |            | 30         | 27.1                      | 5.86     | 21.3     | 36.9      | 4.63       | 12.4       | 27.3                      | 5.54     | 21.7     | 34.6      | 4.92       | 24.7       | 27.4                      | 5.40     | 22.0     | 33.5      | 5.07       | 40.6       |
|            |             |            | 40         | 26.3                      | 7.24     | 19.1     | 46.7      | 3.64       | 8.8        | 26.6                      | 6.87     | 19.7     | 44.5      | 3.86       | 18.8       | 26.7                      | 6.69     | 20.0     | 43.4      | 3.98       | 33.8       |
|            |             |            | 45         | 25.9                      | 8.02     | 17.9     | 51.6      | 3.23       | 6.3        | 26.1                      | 7.63     | 18.5     | 49.4      | 3.42       | 15.5       | 26.2                      | 7.44     | 18.8     | 48.4      | 3.53       | 28.0       |
|            | 1.89        | 58.8       | 20         | 29.0                      | 4.75     | 24.2     | 27.4      | 6.10       | 15.4       | 29.1                      | 4.49     | 24.6     | 24.9      | 6.48       | 29.6       | 29.2                      | 4.37     | 24.8     | 23.7      | 6.68       | 48.4       |
|            |             |            | 30         | 28.3                      | 5.88     | 22.4     | 37.2      | 4.81       | 12.4       | 28.5                      | 5.57     | 22.9     | 34.8      | 5.12       | 24.7       | 28.6                      | 5.42     | 23.2     | 33.7      | 5.28       | 40.6       |
|            |             |            | 40         | 27.5                      | 7.27     | 20.3     | 47.0      | 3.79       | 8.8        | 27.7                      | 6.90     | 20.8     | 44.7      | 4.02       | 18.8       | 27.8                      | 6.72     | 21.1     | 43.6      | 4.14       | 33.8       |
|            |             |            | 45         | 27.1                      | 8.06     | 19.0     | 51.9      | 3.36       | 6.3        | 27.3                      | 7.66     | 19.6     | 49.6      | 3.56       | 15.5       | 27.4                      | 7.47     | 19.9     | 48.5      | 3.67       | 28.0       |
| 15         | 0.95        | 20.1       | 20         | 28.8                      | 4.76     | 24.0     | 27.3      | 6.05       | 15.4       | 28.9                      | 4.50     | 24.4     | 24.9      | 6.43       | 29.6       | 29.0                      | 4.38     | 24.6     | 23.7      | 6.62       | 48.4       |
|            |             |            | 30         | 28.1                      | 5.89     | 22.3     | 37.2      | 4.78       | 12.4       | 28.3                      | 5.58     | 22.7     | 34.8      | 5.08       | 24.7       | 28.4                      | 5.43     | 23.0     | 33.6      | 5.24       | 40.6       |
|            |             |            | 40         | 27.3                      | 7.28     | 20.1     | 47.0      | 3.76       | 8.8        | 27.6                      | 6.91     | 20.7     | 44.7      | 3.99       | 18.8       | 27.7                      | 6.73     | 20.9     | 43.5      | 4.11       | 33.8       |
|            |             |            | 45         | 26.9                      | 8.07     | 18.8     | 51.8      | 3.33       | 6.3        | 27.1                      | 7.67     | 19.4     | 49.6      | 3.53       | 15.5       | 27.2                      | 7.48     | 19.7     | 48.5      | 3.64       | 28.0       |
|            | 1.43        | 36.4       | 20         | 30.5                      | 4.80     | 25.7     | 27.8      | 6.36       | 15.4       | 30.6                      | 4.54     | 26.1     | 25.2      | 6.75       | 29.6       | 30.7                      | 4.42     | 26.3     | 23.9      | 6.95       | 48.4       |
|            |             |            | 30         | 29.8                      | 5.94     | 23.9     | 37.6      | 5.02       | 12.4       | 30.0                      | 5.62     | 24.4     | 35.1      | 5.33       | 24.7       | 30.1                      | 5.47     | 24.6     | 33.8      | 5.50       | 40.6       |
|            |             |            | 40         | 29.0                      | 7.34     | 21.6     | 47.4      | 3.94       | 8.8        | 29.2                      | 6.97     | 22.2     | 44.9      | 4.19       | 18.8       | 29.3                      | 6.79     | 22.5     | 43.7      | 4.32       | 33.8       |
|            |             |            | 45         | 28.5                      | 8.14     | 20.3     | 52.2      | 3.50       | 6.3        | 28.7                      | 7.74     | 21.0     | 49.9      | 3.71       | 15.5       | 28.8                      | 7.55     | 21.3     | 48.7      | 3.82       | 28.0       |
|            | 1.89        | 55.5       | 20         | 31.8                      | 4.81     | 27.0     | 28.1      | 6.61       | 15.4       | 32.0                      | 4.55     | 27.4     | 25.4      | 7.03       | 29.6       | 32.1                      | 4.43     | 27.6     | 24.1      | 7.24       | 48.4       |
|            |             |            | 30         | 31.1                      | 5.97     | 25.2     | 37.9      | 5.22       | 12.4       | 31.3                      | 5.65     | 25.7     | 35.3      | 5.55       | 24.7       | 31.4                      | 5.49     | 25.9     | 34.0      | 5.72       | 40.6       |
|            |             |            | 40         | 30.3                      | 7.37     | 22.9     | 47.7      | 4.10       | 8.8        | 30.5                      | 7.00     | 23.5     | 45.2      | 4.36       | 18.8       | 30.6                      | 6.82     | 23.8     | 43.9      | 4.49       | 33.8       |
|            |             |            | 45         | 29.7                      | 8.17     | 21.6     | 52.6      | 3.64       | 6.3        | 30.0                      | 7.77     | 22.2     | 50.1      | 3.86       | 15.5       | 30.1                      | 7.58     | 22.6     | 48.9      | 3.98       | 28.0       |
| 20         | 0.95        | 18.7       | 20         | 31.3                      | 4.91     | 26.4     | 28.0      | 6.38       | 15.4       | 31.5                      | 4.59     | 26.9     | 25.3      | 6.85       | 29.6       | 31.5                      | 4.44     | 27.1     | 24.0      | 7.09       | 48.4       |
|            |             |            | 30         | 30.8                      | 6.06     | 24.8     | 37.8      | 5.08       | 12.4       | 31.0                      | 5.68     | 25.3     | 35.2      | 5.45       | 24.7       | 31.0                      | 5.50     | 25.5     | 34.0      | 5.64       | 40.6       |
|            |             |            | 40         | 30.3                      | 7.46     | 22.9     | 47.7      | 4.07       | 8.8        | 30.5                      | 7.01     | 23.5     | 45.2      | 4.35       | 18.8       | 30.6                      | 6.80     | 23.8     | 43.9      | 4.50       | 33.8       |
|            |             |            | 45         | OPERATION NOT RECOMMENDED |          |          |           |            |            | OPERATION NOT RECOMMENDED |          |          |           |            |            | OPERATION NOT RECOMMENDED |          |          |           |            |            |
|            | 1.43        | 34.4       | 20         | 33.2                      | 4.95     | 28.2     | 28.4      | 6.70       | 15.4       | 33.3                      | 4.63     | 28.7     | 25.6      | 7.20       | 29.6       | 33.4                      | 4.48     | 28.9     | 24.3      | 7.45       | 48.4       |
|            |             |            | 30         | 32.6                      | 6.12     | 26.5     | 38.3      | 5.34       | 12.4       | 32.8                      | 5.73     | 27.1     | 35.5      | 5.73       | 24.7       | 32.9                      | 5.55     | 27.3     | 34.2      | 5.93       | 40.6       |
|            |             |            | 40         | 32.1                      | 7.52     | 24.6     | 48.2      | 4.27       | 8.8        | 32.3                      | 7.07     | 25.2     | 45.5      | 4.57       | 18.8       | 32.4                      | 6.85     | 25.5     | 44.1      | 4.72       | 33.8       |
|            |             |            | 45         | OPERATION NOT RECOMMENDED |          |          |           |            |            | OPERATION NOT RECOMMENDED |          |          |           |            |            | OPERATION NOT RECOMMENDED |          |          |           |            |            |
|            | 1.89        | 53.1       | 20         | 34.6                      | 4.97     | 29.7     | 28.8      | 6.97       | 15.4       | 34.8                      | 4.65     | 30.2     | 25.9      | 7.49       | 29.6       | 34.9                      | 4.50     | 30.4     | 24.5      | 7.75       | 48.4       |
|            |             |            | 30         | 34.1                      | 6.14     | 28.0     | 38.7      | 5.55       | 12.4       | 34.3                      | 5.75     | 28.5     | 35.8      | 5.96       | 24.7       | 34.3                      | 5.57     | 28.8     | 34.4      | 6.17       | 40.6       |
|            |             |            | 40         | 33.6                      | 7.55     | 26.0     | 48.5      | 4.45       | 8.8        | 33.7                      | 7.10     | 26.6     | 45.7      | 4.75       | 18.8       | 33.8                      | 6.88     | 26.9     | 44.3      | 4.91       | 33.8       |
|            |             |            | 45         | OPERATION NOT RECOMMENDED |          |          |           |            |            | OPERATION NOT RECOMMENDED |          |          |           |            |            | OPERATION NOT RECOMMENDED |          |          |           |            |            |



# GSW Series 50Hz - R22 Submittal Data Eng/SI

Contractor: \_\_\_\_\_ P.O.: \_\_\_\_\_

Engineer: \_\_\_\_\_

Project Name: \_\_\_\_\_ Unit Tag: \_\_\_\_\_

## GSW PHYSICAL DATA

| Model                                       | 036       | 060       | 120       |
|---------------------------------------------|-----------|-----------|-----------|
| Compressor/qty                              | Scroll/1  |           | Scroll/2  |
| Factory Charge each circuit - (oz.) [kg]    | 48 [1.36] | 64 [1.81] | 64 [1.81] |
| <b>Indoor/Load Water Connection Size</b>    |           |           |           |
| Swivel - Distributor Class                  | 1"        | 1"        | -         |
| FPT - All Other                             | 3/4"      | 1"        | 1-1/2"    |
| <b>Outdoor/Source Water Connection Size</b> |           |           |           |
| Swivel - Distributor Class                  | 1"        | 1"        | -         |
| FPT - All Other                             | 3/4"      | 1"        | 1-1/2"    |
| <b>HWG Water Connection Size</b>            |           |           |           |
| Swivel - Distributor Class                  | 1"        | 1"        | -         |
| FPT - All Other                             | 1/2"      | 1/2"      | -         |
| Weight - Operating - lbs. [kg]              | 236 [107] | 343 [156] | 725 [329] |
| Weight - Packaged - lbs. [kg]               | 255 [116] | 362 [164] | 765 [347] |

Spring mounted compressor

Rev.: 10/03/01 B

Balanced Port Expansion Valve

Insulated Indoor and Outdoor Water Coils

Compressor on (Green) and Fault (Red) Light

CXM or DXM Micriprocessor Controller

Check serial plate for refrigerant type.

## GSW UNIT ELECTRICAL DATA

| Model | Product Class            | Rated Voltage | Voltage Min/Max | Compressor |         |     | Optional HWG Pump FLA | Total Unit FLA | Min Circ Amp | Max Fuse/HACR |
|-------|--------------------------|---------------|-----------------|------------|---------|-----|-----------------------|----------------|--------------|---------------|
|       |                          |               |                 | RLA(EA)    | LRA(EA) | Qty |                       |                |              |               |
| 036   | Residential              | 220-240/50/1  | 198/264         | 14.3       | 74.0    | 1.0 | 0.4                   | 14.7           | 18.3         | 30            |
|       |                          | 380-420/50/3  |                 | 5.4        | 35.0    | 1.0 | 0.4                   | 5.8            | 7.2          | 15            |
|       | Commercial               | 220-240/50/1  | 198/264         | 14.3       | 74.0    | 1.0 | -                     | 14.3           | 17.9         | 30            |
|       |                          | 380-420/50/3  | 342/462         | 5.4        | 35.0    | 1.0 | -                     | 5.4            | 6.8          | 15            |
| 060   | Residential              | 380-420/50/3  | 342/462         | 8.2        | 61.8    | 1.0 | 0.4                   | 8.6            | 10.6         | 15            |
|       | Commercial               | 380-420/50/3  | 342/462         | 8.2        | 61.8    | 1.0 | -                     | 8.2            | 10.3         | 15            |
| 120   | Commercial & Residential | 380-420/50/3  | 342/462         | 8.2        | 61.8    | 2.0 | -                     | 16.4           | 18.5         | 25            |

HACR circuit breaker in USA only

Rev.: 03/12/02 B

Distributor Class units (036-060 only) come standard with 75VA transformer, loop pump and HWG connections.



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GSW036 & 060

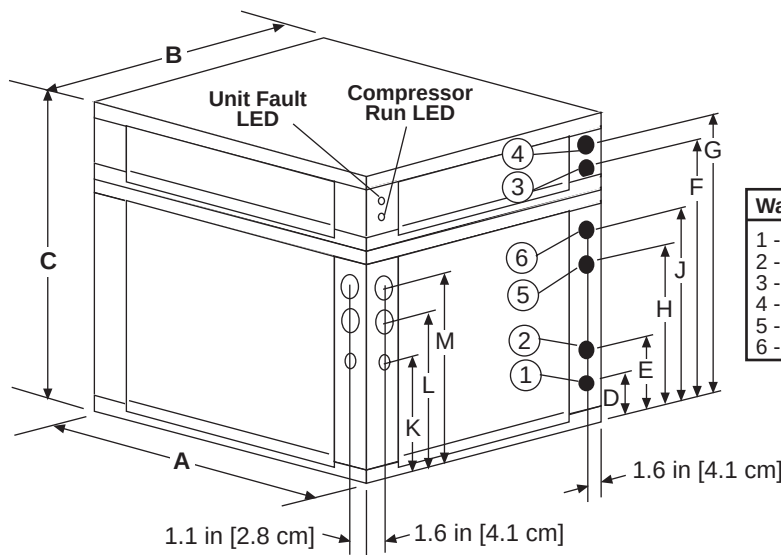
# DIMENSIONAL DATA

## GSW Series 50Hz - R22 Submittal Data Eng/SI

Contractor: \_\_\_\_\_ P.O.: \_\_\_\_\_

Engineer: \_\_\_\_\_

Project Name: \_\_\_\_\_ Unit Tag: \_\_\_\_\_



| Water Connection     | 036      | 060      |
|----------------------|----------|----------|
| 1 - Source Water In  | 3/4" FPT | 1" FPT   |
| 2 - Source Water Out | 3/4" FPT | 1" FPT   |
| 3 - Load Water In    | 3/4" FPT | 1" FPT   |
| 4 - Load Water Out   | 3/4" FPT | 1" FPT   |
| 5 - HWG Water In     | 1/2" FPT | 1/2" FPT |
| 6 - HWG Water Out    | 1/2" FPT | 1/2" FPT |

Note:  
Commercial Class Connections Shown  
Distributor Class Utilizes 1" Swivel Throughout

Rev.: 03/12/02 B

| Water to Water |     | Overall Cabinet |       |        | Water Connections         |                            |                        |                         |        |         | Electric Knockouts |          |              |
|----------------|-----|-----------------|-------|--------|---------------------------|----------------------------|------------------------|-------------------------|--------|---------|--------------------|----------|--------------|
|                |     |                 |       |        | 1                         | 2                          | 3                      | 4                       | 5      | 6       |                    |          |              |
|                |     | A               | B     | C      | D                         | E                          | F                      | G                       | H      | J       | K                  | L        | M            |
|                |     | Depth           | Width | Height | Source (Outdoor) Water In | Source (Outdoor) Water Out | Load (Indoor) Water In | Load (Indoor) Water Out | HWG In | HWG Out | Low Voltage        | Ext Pump | Power Supply |
| 036            | in. | 25.6            | 22.4  | 29.5   | 2.4                       | 5.4                        | 22.7                   | 26.1                    | 13.9   | 16.9    | 5.6                | 9.6      | 12.1         |
|                | cm. | 65.1            | 56.8  | 74.9   | 6.1                       | 13.7                       | 57.5                   | 66.3                    | 35.3   | 42.9    | 15.2               | 24.1     | 30.5         |
| 060            | in. | 30.6            | 25.4  | 33.0   | 2.4                       | 5.4                        | 26.8                   | 30.9                    | 15.6   | 18.9    | 8.1                | 11.6     | 14.1         |
|                | cm. | 77.8            | 64.5  | 83.8   | 6.1                       | 13.7                       | 68.1                   | 78.4                    | 40.4   | 48.0    | 20.3               | 29.2     | 35.6         |

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GSW120

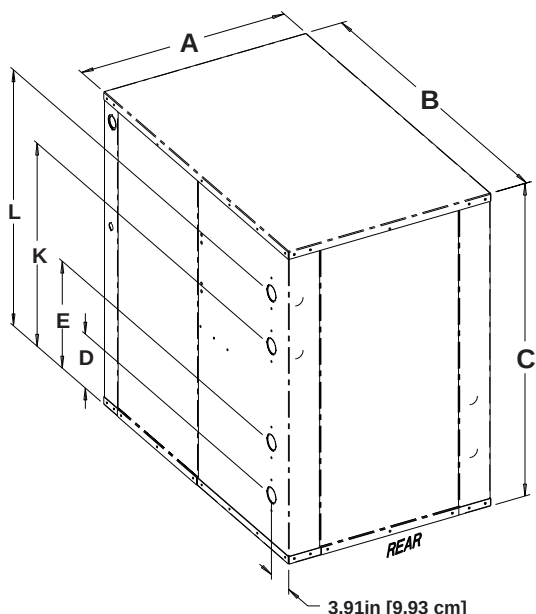
# DIMENSIONAL DATA

## GSW Series 50Hz - R22 Submittal Data Eng/SI

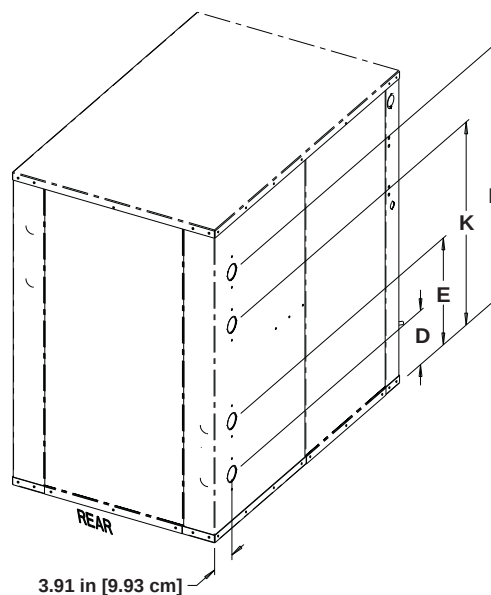
Contractor: \_\_\_\_\_ P.O.: \_\_\_\_\_

Engineer: \_\_\_\_\_

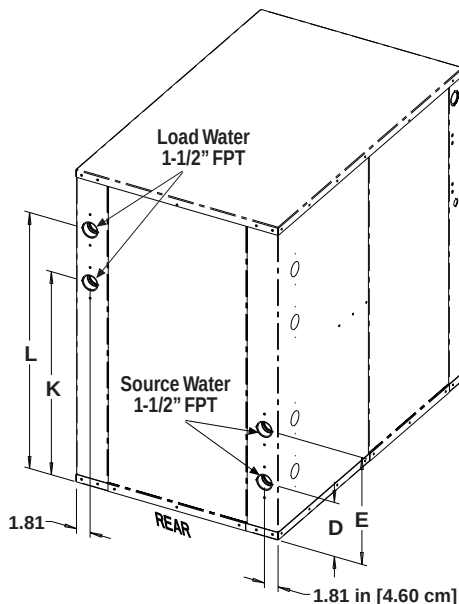
Project Name: \_\_\_\_\_ Unit Tag: \_\_\_\_\_



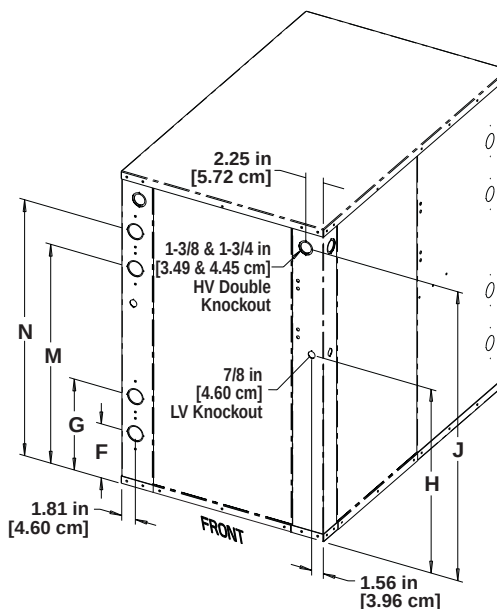
Right Water Connections



Left Water Connections



Rear Water Connections



Front Water Connections

Rev.: 03/12/02 B

| Water to Water |     | Overall Cabinet |       |        | Source Water Connections  |                            |                           |                            | Elect Knock |              | Load Water Connections |                         |                        |                         |
|----------------|-----|-----------------|-------|--------|---------------------------|----------------------------|---------------------------|----------------------------|-------------|--------------|------------------------|-------------------------|------------------------|-------------------------|
|                |     | A               | B     | C      | D                         | E                          | F                         | G                          | H           | J            | K                      | L                       | M                      | N                       |
|                |     | Width           | Depth | Height | Source (Outdoor) Water In | Source (Outdoor) Water Out | Source (Outdoor) Water In | Source (Outdoor) Water Out | Low Voltage | Power Supply | Load (Indoor) Water In | Load (Indoor) Water Out | Load (Indoor) Water In | Load (Indoor) Water Out |
| 120            | in. | 26.0            | 41.1  | 40.1   | 6.9                       | 13.7                       | 6.9                       | 11.7                       | 23.6        | 37.1         | 26.0                   | 32.8                    | 28.1                   | 32.8                    |
|                | cm. | 66.0            | 104.5 | 101.9  | 17.6                      | 34.8                       | 17.6                      | 29.6                       | 59.9        | 94.1         | 66.2                   | 83.4                    | 71.3                   | 83.4                    |

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# GSW Series 50Hz - R22 Submittal Data Eng/SI

## CLIMATEMASTER®

### GSW036 WIRING DIAGRAM

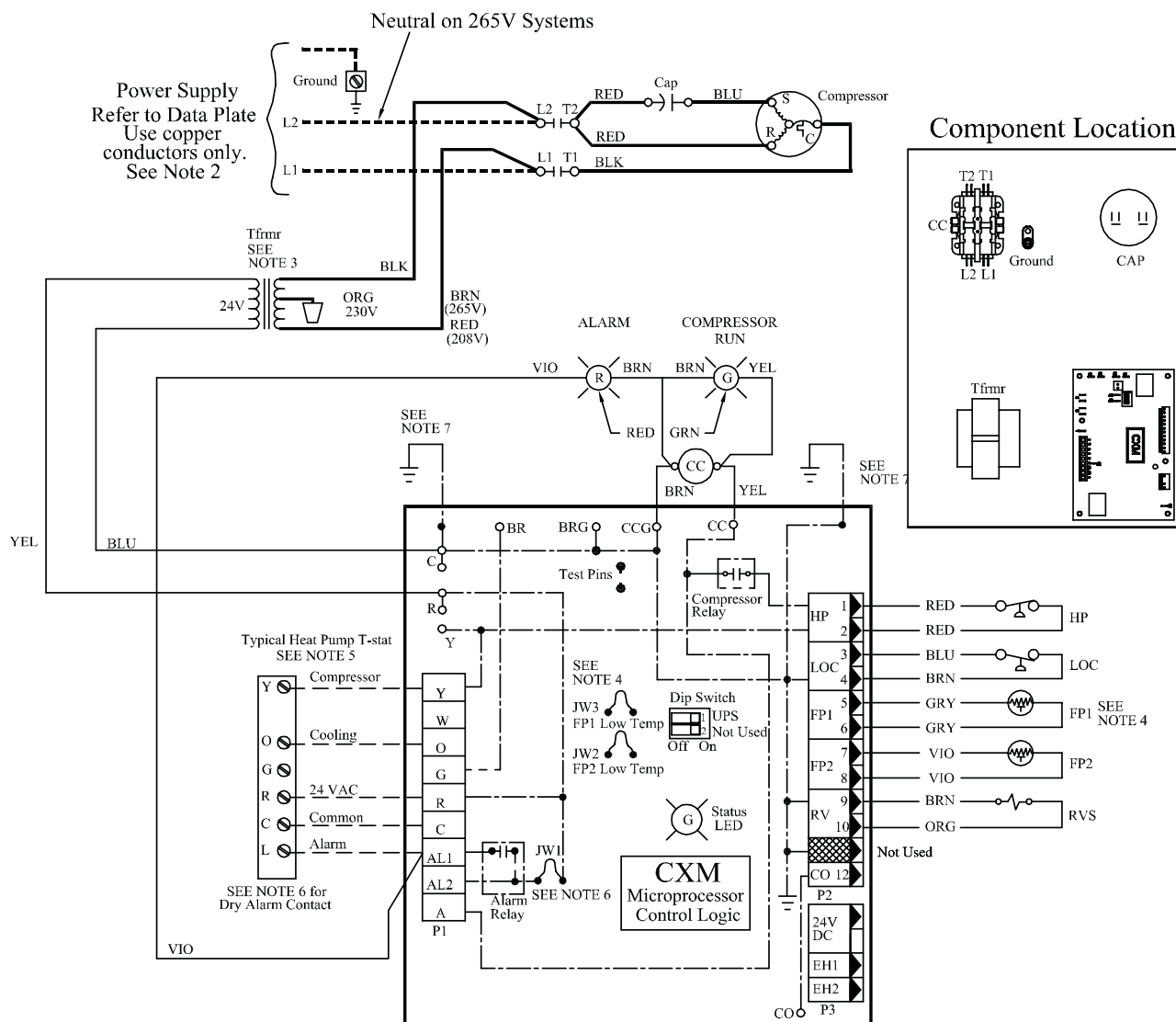
### 220-240/50/1 CXM COMMERCIAL

### CLASS

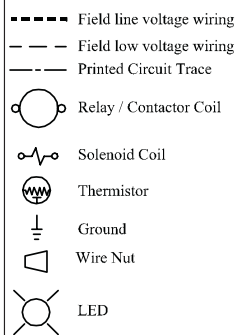
Contractor: \_\_\_\_\_ P.O.: \_\_\_\_\_

Engineer: \_\_\_\_\_

Project Name: \_\_\_\_\_ Unit Tag: \_\_\_\_\_



## Legend



|      |                                              |
|------|----------------------------------------------|
| AL   | Alarm Relay Contacts                         |
| Cap  | Compressor Capacitor                         |
| CB   | Circuit Breaker                              |
| CC   | Compressor Contactor                         |
| FP1  | Sensor, Outdoor Water Coil Freeze Protection |
| FP2  | Sensor, Indoor Water Coil Freeze Protection  |
| HP   | High Pressure Switch                         |
| JW1  | Jumper, Alarm                                |
| LED  | Light Emitting Diode                         |
| LOC  | Loss of Charge Pressure Switch               |
| P1   | Field Wiring Terminal Block                  |
| RVS  | Reversing Valve Solenoid                     |
| Tfmr | Transformer                                  |

## NOTES:

- Compressor Motor thermally protected internally.
- All wiring to the unit must comply with NEC and local codes.
- Transformer is wired to 265V (BRN) Lead for 265/1/60 units, 230V (ORG) Lead for 220-240/1/50, or 208V (RED) Lead for 208/1/60. For 230/1/60 switch RED & ORG Leads at L1 and insulate RED Lead. Transformer is energy limiting or may have circuit breaker.
- FP1 Thermistor provides freeze protection for WATER. When using ANTI-FREEZE solutions, cut JW3 jumper.
- Typical heat pump thermostat wiring shown. Refer to thermostat Installation Instructions for wiring to the unit. T-stat wiring must be "Class 1" and Voltage rating equal to or greater than unit supply voltage.
- 24V Alarm Signal shown. For Dry Alarm Contact, cut JW1 Jumper and Dry Contact will be available between AL1 and AL2.
- Transformer secondary ground via CXM board standoffs & screws to Control Box. (Ground available from top two standoffs as shown.)

GSW036-060 208-230/60/1, 265/60/1, 220-240/50/1 CXM Commercial 96B0048N01 9/4/01 Rev: A



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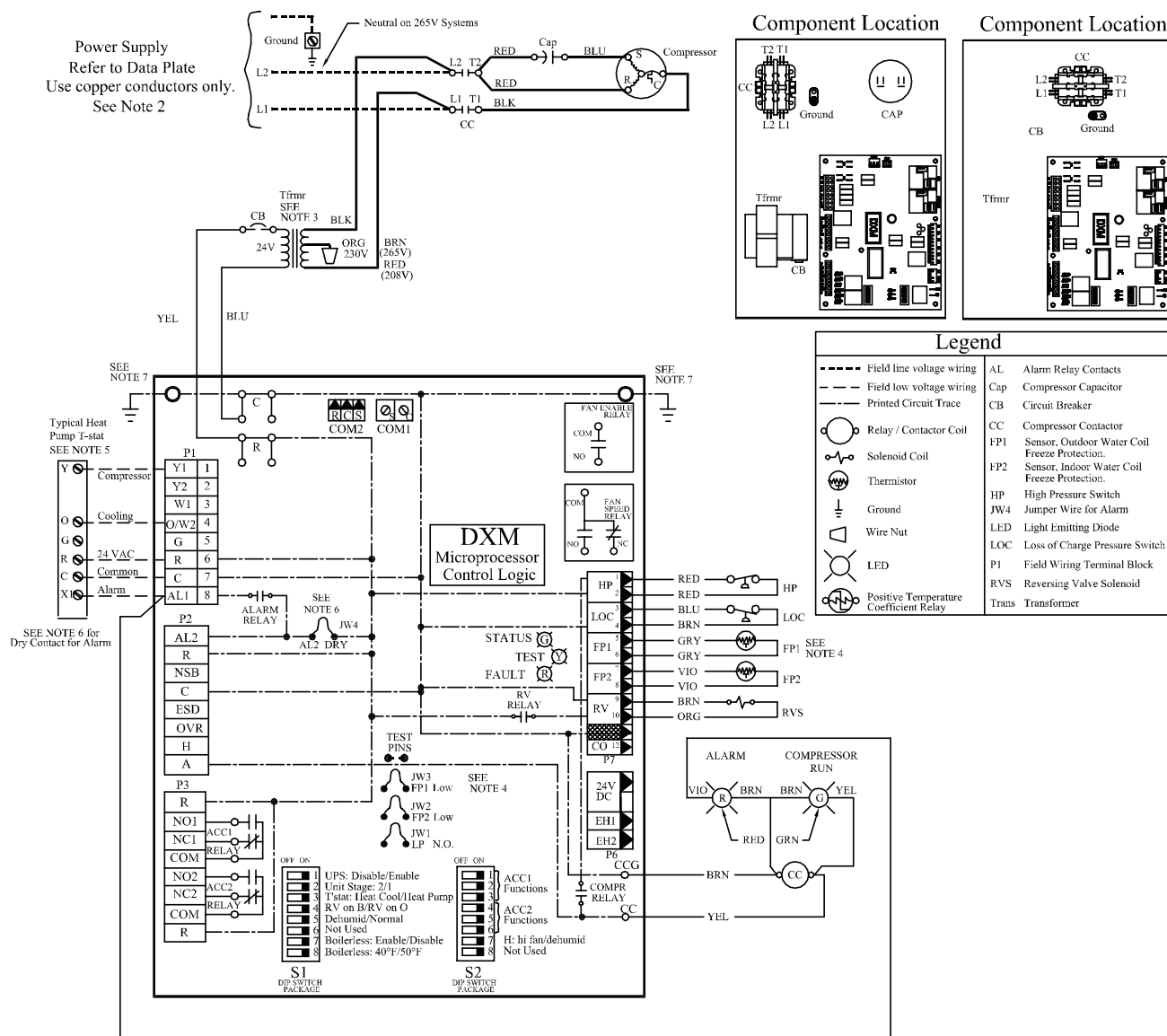
**CLIMATEMASTER®**  
GSW036 WIRING DIAGRAM  
220-240/50/1  
DXM COMMERCIAL CLASS

# GSW Series 50Hz - R22 Submittal Data Eng/SI

Contractor: \_\_\_\_\_ P.O.: \_\_\_\_\_

Engineer: \_\_\_\_\_

Project Name: \_\_\_\_\_ Unit Tag: \_\_\_\_\_



| DESCRIPTION OF OPERATION | STATUS LED (GREEN) | TEST LED (YELLOW) | FAULT LED (RED)     | ALARM RELAY |
|--------------------------|--------------------|-------------------|---------------------|-------------|
| NORMAL MODE              | ON                 | -                 | OFF                 | OPEN        |
| DXM IS NON-FUNCTIONAL    | OFF                | OFF               | OFF                 | OPEN        |
| NIGHT SETBACK            | FLASHING CODE 2    | -                 | -                   | -           |
| EMERGENCY SHUTDOWN       | FLASHING CODE 3    | -                 | -                   | -           |
| INVALID TSTAT INPUT      | FLASHING CODE 4    | -                 | -                   | -           |
| LOCKOUT                  | FAST FLASH         | -                 | FLASHING FAULT CODE | CLOSED      |
| FAULT RETRY              | SLOW FLASH         | -                 | FLASHING FAULT CODE | OPEN        |
| HP FAULT                 | SLOW FLASH         | -                 | *FLASHING CODE 2    | OPEN        |
| LP FAULT                 | SLOW FLASH         | -                 | *FLASHING CODE 3    | OPEN        |
| FPI FAULT                | SLOW FLASH         | -                 | *FLASHING CODE 4    | OPEN        |
| FP2-FAULT                | SLOW FLASH         | -                 | *FLASHING CODE 5    | OPEN        |
| CO FAULT                 | SLOW FLASH         | -                 | *FLASHING CODE 6    | OPEN        |
| OVER/UNDER VOLTAGE       | SLOW FLASH         | -                 | *FLASHING CODE 7    | OPEN **     |
| NORMAL MODE W/ UPS       | ON                 | -                 | *FLASHING CODE 8    | CYCLE ***   |
| TEST MODE                | -                  | ON                | -                   | -           |

\* - Codes Displayed with 10 sec. LED OFF Period.  
Exam.: Code 3 = flash 3 times, off 10 sec., flash 3 times, off 10 sec..  
\*\* - Closed after 15 minutes.  
\*\*\* - Closed 5 sec. open 25 sec..

#### NOTES:

1. Compressor Motor thermally protected internally.
2. All wiring to the unit must comply with NEC and local codes.
3. Transformer is wired to 208V (BRN) Lead for 265/160 units.  
230V (ORG) Lead for 220V-240/150, or 088V (RED) Lead for 208/160.  
For 230/160 switch RED & ORG Leads at L1 and insulate RED Lead.  
Transformer is energy limiting or may have circuit breaker.
4. FP1 Thermistor provides freeze protection for WATER. When using ANTI-FREEZE solutions, cut JW3 jumper.
5. Typical heat pump thermostat wiring shown. Refer to thermostat Installation Instructions for wiring to the unit. T-stat wiring must be "Class 1" and Voltage rating equal or greater than unit supply voltage.
6. 24V Alarm Signal shown. For Dry Alarm Contact, cut AL2 DRY (JW4) Jumper and Dry Contact will be available between AL1 and AL2.
7. Transformer secondary ground via DXM board standoffs & screws to Control Box. (Ground available from top two standoffs as shown.)

GSW036-060 208-230/60/1, 265/60/1, and 220-240/50/1  
DXM Comm 96B0048N02 9/4/01 Rev: A



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# GSW036-060 WIRING DIAGRAM

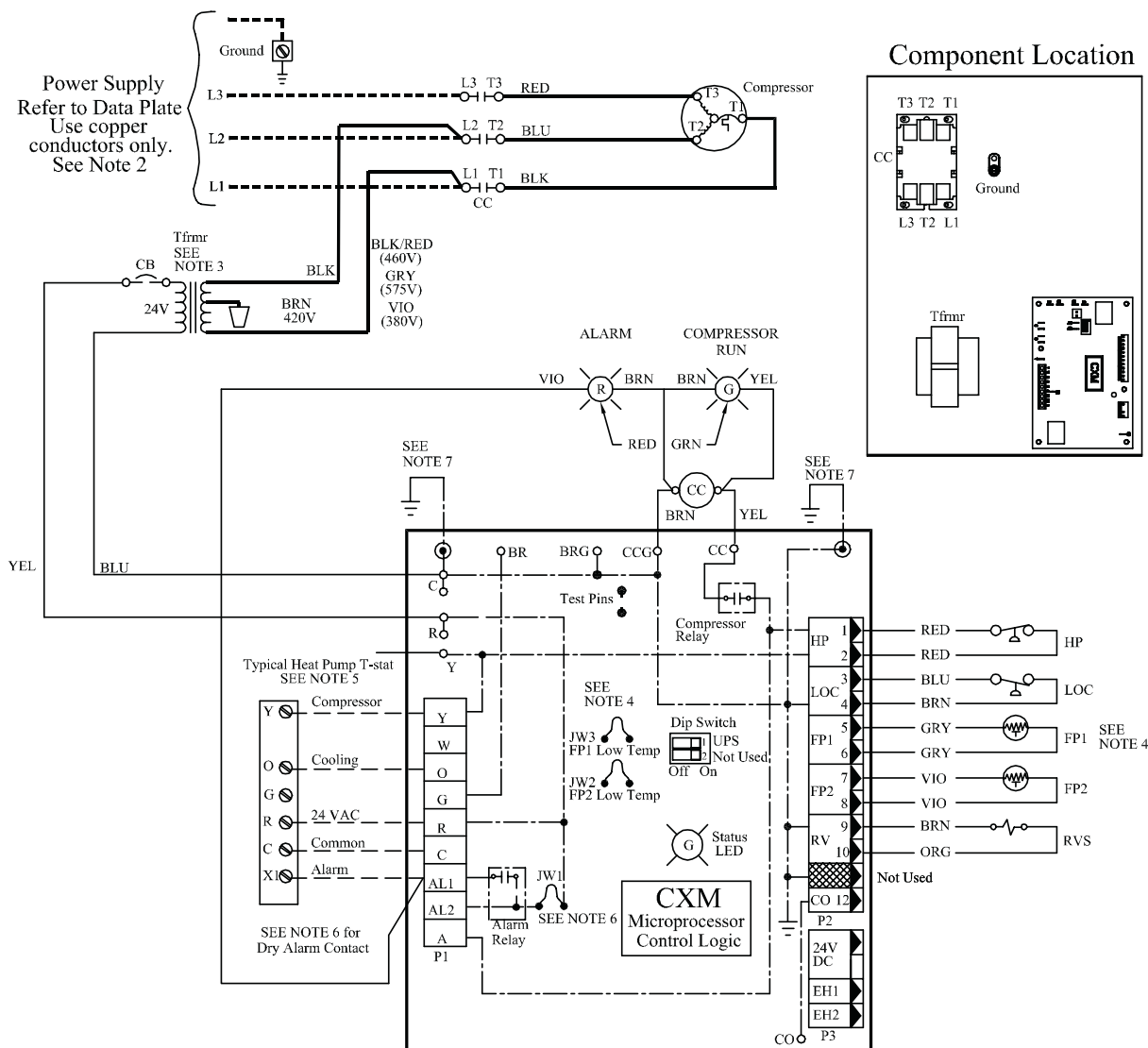
380-420/50/3

## CXM COMMERCIAL CLASS

Contractor: \_\_\_\_\_ P.O.: \_\_\_\_\_

Engineer: \_\_\_\_\_

Project Name: \_\_\_\_\_ Unit Tag: \_\_\_\_\_



### Legend

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                           |                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  Field line voltage wiring<br> Field low voltage wiring<br> Printed Circuit Trace<br> Relay / Contactor Coil<br> Solenoid Coil<br> Thermistor<br> Ground<br> LED | AL Alarm Relay Contacts<br>CB Circuit Breaker<br>CC Compressor Contactor<br>FP1 Sensor, Water Coil Freeze Protection<br>FP2 Sensor, Air Coil Freeze Protection<br>HP High Pressure Switch | JW1 Jumper, Alarm<br>LED Light Emitting Diode<br>LOC Loss of Charge Pressure Switch<br>P1 Field Wiring Terminal Block<br>RVS Reversing Valve Solenoid<br>Tfmr Transformer | NOTES: (cont.)<br><br>4. FP1 Thermistor provides freeze protection for WATER. When using ANTI-FREEZE solutions, cut JW3 jumper.<br><br>5. Typical heat pump thermostat wiring shown. Refer to thermostat Installation Instructions for wiring to the unit. T-stat wiring must be "Class 1" and Voltage rating equal to or greater than unit supply voltage.<br><br>6. 24V Alarm Signal shown. For Dry Alarm Contact, cut JW1 Jumper and Dry Contact will be available between AL1 and AL2.<br><br>7. Transformer secondary ground via CXM board standoffs & screws to Control Box. (Ground available from top two standoffs as shown.) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

GSW036-060 208-230/60/3, 460/60/3, 575/60/3, and 380-420/50/3  
CXM Comm 96B0049N01 9/4/01 Rev: B



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# GSW120 WIRING DIAGRAM

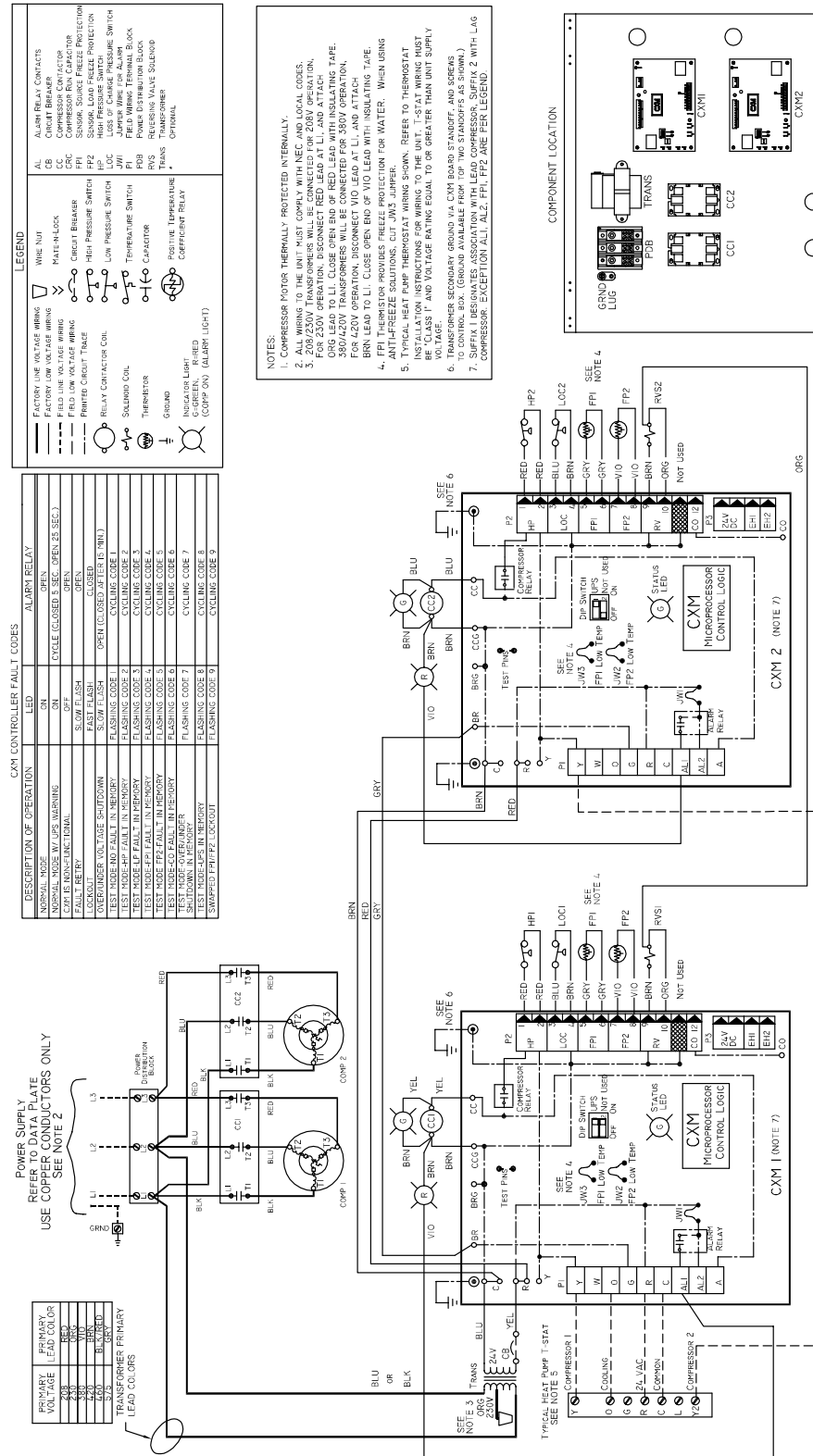
380-420/50/3

## CXM COMMERCIAL CLASS

Contractor: \_\_\_\_\_ P.O.: \_\_\_\_\_

Engineer: \_\_\_\_\_

Project Name: \_\_\_\_\_ Unit Tag: \_\_\_\_\_

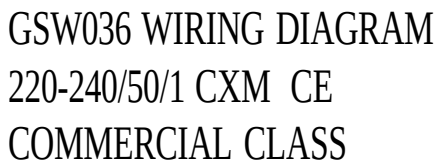


10/03/01 Rev: -

GSW120 208-230/60/3, 460/60/3, 575/60/3, and 380-420/50/3 CXM Commercial 96B0087N01



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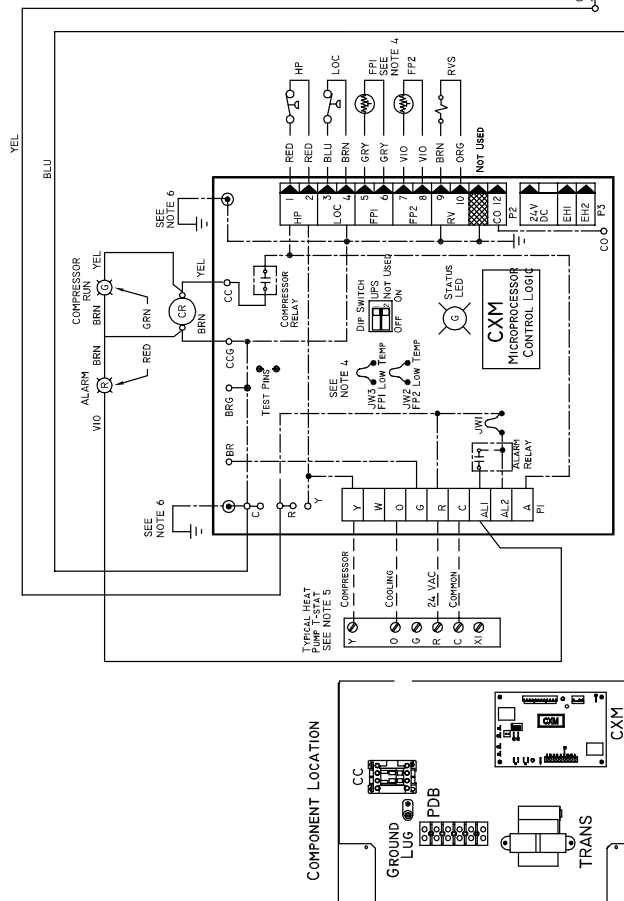


Contractor: \_\_\_\_\_ P.O.: \_\_\_\_\_  
Engineer: \_\_\_\_\_  
Project Name: \_\_\_\_\_ Unit Tag: \_\_\_\_\_

| CXM CONTROLLER FAULT CODES              |                 |                                    |  |
|-----------------------------------------|-----------------|------------------------------------|--|
| DESCRIPTION OF OPERATION                | LED             | ALARM RELAY                        |  |
| NORMAL MODE                             | ON              | OPEN                               |  |
| NORMAL MODE W/ UPS WARNING              | ON              | CYCLE (CLOSED 5 SEC. OPEN 75 SEC.) |  |
| CXM IS NON-FUNCTIONAL                   | OFF             | OPEN                               |  |
| FAULT RETRY                             | SLOW FLASH      | OPEN                               |  |
| LOCKOUT                                 | FAST FLASH      | CLOSED                             |  |
| OVER/UNDER VOLTAGE SHUTDOWN             | SLOW FLASH      | OPEN (CLOSED AFTER 15 MIN.)        |  |
| TEST MODE-NO FAULT IN MEMORY            | FLASHING CODE 1 | CYCLING CODE 1                     |  |
| TEST MODE-HP FAULT IN MEMORY            | FLASHING CODE 2 | CYCLING CODE 2                     |  |
| TEST MODE-LP FAULT IN MEMORY            | FLASHING CODE 3 | CYCLING CODE 3                     |  |
| TEST MODE-FPI FAULT IN MEMORY           | FLASHING CODE 4 | CYCLING CODE 4                     |  |
| TEST MODE-FP2-FAULT IN MEMORY           | FLASHING CODE 5 | CYCLING CODE 5                     |  |
| TEST MODE-CO FAULT IN MEMORY            | FLASHING CODE 6 | CYCLING CODE 6                     |  |
| TEST MODE-OVER/UNDER SHUTDOWN IN MEMORY | FLASHING CODE 7 | CYCLING CODE 7                     |  |
| TEST MODE-UPS IN MEMORY                 | FLASHING CODE 8 | CYCLING CODE 8                     |  |
| TEST MODE-PR2P2 LOCKOUT                 | FLASHING CODE 9 | CYCLING CODE 9                     |  |

TEST COMPRESSOR THERMALLY PROTECTED INTERNALLY.  
ALL WIRING TO THE UNIT MUST COMPLY WITH LOCAL CODES.  
TRANSFORMER IS WIRED TO 240V (0V) LEAD FOR 240V POWER SUPPLY.  
THERMOSTAT SWITCH RED AND GREEN LEADS AT PDB(L) AND INSULATE ORG.  
FPI THERMISTOR PROVIDES FREEZE PROTECTION FOR SOURCE WATER. WHEN  
CHECK INSTANT-TO-FREEZE SOLUTIONS, CUT JW3 JUMPER.  
CHECK INSTALLATION WIRING INFORMATION FOR SPECIFIC T-STAT HOODUP  
T-STAT WIRING MUST BE "CLASS 1" AND VOLTAGE RATING EQUAL TO OR  
GREATER THAN UNIT SUPPLY VOLTAGE.

| LEGEND |                                |
|--------|--------------------------------|
|        | FACTORY LINE VOLT WIRING       |
|        | FIELD LINE VOLT WIRING         |
|        | FIELD LOW VOLT WIRING          |
|        | FIELD LOW VOLT FACE            |
|        | OPTIONAL WIRING                |
|        | RELAY / CONTACTOR COIL         |
|        | THERMISTOR                     |
|        | CONDENSATE PAN                 |
|        | CIRCUIT BREAKER                |
|        | LED                            |
|        | CH-10 CAPACITOR                |
|        | SOLENOID COIL                  |
|        | RELAY CONTACTS - N.O.          |
|        | TEMPERATURE SWITCH             |
|        | SWITCH OF CHARGE               |
|        | GROUND                         |
|        | WIRE NUT                       |
|        | ALARM RELAY CONTACTS           |
|        | ASTAT                          |
|        | COMPRESSOR CAPACITOR           |
|        | CIRCUIT BREAKER                |
|        | COMPRESSOR CONTACTOR           |
|        | SENSOR                         |
|        | HIGH PRESSURE SWITCH           |
|        | HWTs                           |
|        | MOTORIZED VALVE (SOURCE WATER) |
|        | POWER TERMINAL BLOCK           |
|        | POWER DISTRIBUTION BLOCK       |
|        | PDB                            |
|        | SOLENOID                       |
|        | TRANSFORMER                    |
|        | OPTIONAL WIRING                |
|        | FACTORY LINE VOLT WIRING       |
|        | FIELD LINE VOLT WIRING         |
|        | FIELD LOW VOLT WIRING          |
|        | FIELD LOW VOLT FACE            |
|        | OPTIONAL WIRING                |
|        | RELAY / CONTACTOR COIL         |
|        | THERMISTOR                     |
|        | CONDENSATE PAN                 |
|        | CIRCUIT BREAKER                |
|        | LED                            |
|        | CH-10 CAPACITOR                |
|        | SOLENOID COIL                  |
|        | RELAY CONTACTS - N.O.          |
|        | TEMPERATURE SWITCH             |
|        | SWITCH OF CHARGE               |
|        | GROUND                         |
|        | WIRE NUT                       |
|        | ALARM RELAY CONTACTS           |
|        | ASTAT                          |
|        | COMPRESSOR CAPACITOR           |
|        | CIRCUIT BREAKER                |
|        | COMPRESSOR CONTACTOR           |
|        | SENSOR                         |
|        | HIGH PRESSURE SWITCH           |
|        | HWTs                           |
|        | MOTORIZED VALVE (SOURCE WATER) |
|        | POWER TERMINAL BLOCK           |
|        | POWER DISTRIBUTION BLOCK       |
|        | PDB                            |
|        | SOLENOID                       |
|        | TRANSFORMER                    |
|        | OPTIONAL WIRING                |
|        | FACTORY LINE VOLT WIRING       |
|        | FIELD LINE VOLT WIRING         |
|        | FIELD LOW VOLT WIRING          |
|        | FIELD LOW VOLT FACE            |
|        | OPTIONAL WIRING                |
|        | RELAY / CONTACTOR COIL         |
|        | THERMISTOR                     |
|        | CONDENSATE PAN                 |
|        | CIRCUIT BREAKER                |
|        | LED                            |
|        | CH-10 CAPACITOR                |
|        | SOLENOID COIL                  |
|        | RELAY CONTACTS - N.O.          |
|        | TEMPERATURE SWITCH             |
|        | SWITCH OF CHARGE               |
|        | GROUND                         |
|        | WIRE NUT                       |
|        | ALARM RELAY CONTACTS           |
|        | ASTAT                          |
|        | COMPRESSOR CAPACITOR           |
|        | CIRCUIT BREAKER                |
|        | COMPRESSOR CONTACTOR           |
|        |                                |



**GSW036 220-240/50/1  
CXM CE 96B0050N01  
Rev A 2/19/02**

SEE NOTE 3



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**CLIMATEMASTER®**

GSW036 WIRING DIAGRAM

220-240/50/1 DXM CE

COMMERCIAL CLASS

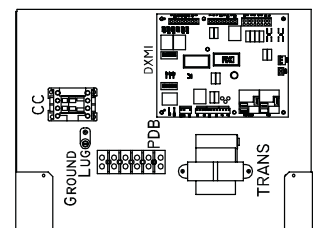
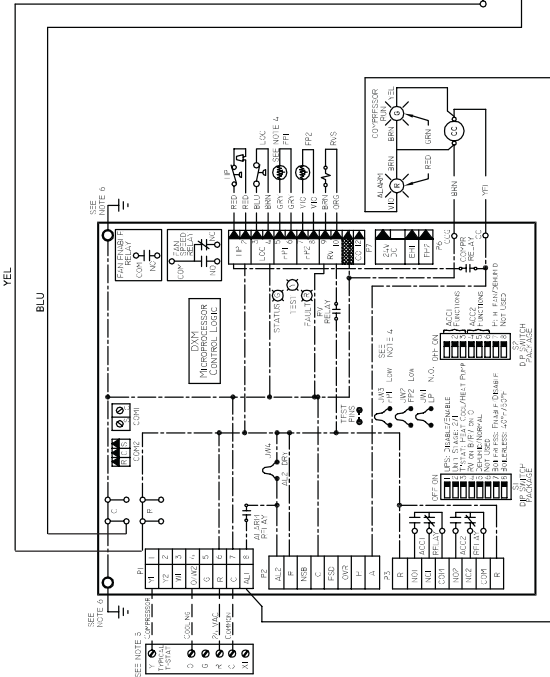
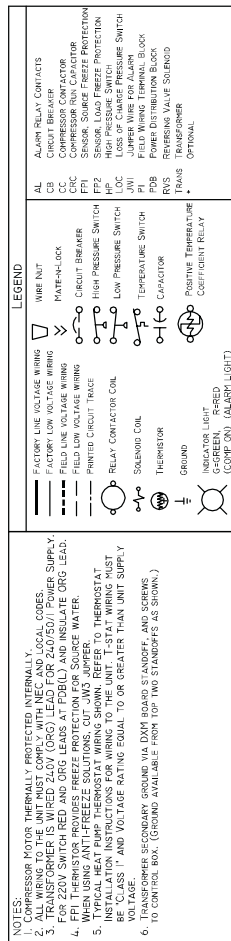
# GSW Series 50Hz - R22 Submittal Data Eng/SI

Contractor: \_\_\_\_\_ P.O.: \_\_\_\_\_

Engineer: \_\_\_\_\_

Project Name: \_\_\_\_\_ Unit Tag: \_\_\_\_\_

| DXM CONTROLLER FAULT CODES                             |                    |                   |                   |                 |
|--------------------------------------------------------|--------------------|-------------------|-------------------|-----------------|
| OPERATION                                              | STATUS LED (GREEN) | TEST LED (YELLOW) | FAULT LED (RED)   | ALARM RELAY     |
| NORMAL MODE                                            | ON                 | OFF               | OFF               | OPEN            |
| DXM IS NON-FUNCTIONAL                                  | OFF                | OFF               | OFF               | OPEN            |
| TEST MODE                                              | OFF                | ON                | OFF               | CYCLE (NOTE 3)  |
| NIGHT SETBACK                                          | FLASHING CODE 2    | OFF               | NOTE 2            | -               |
| EMERGENCY SHUT DOWN                                    | FLASHING CODE 3    | OFF               | NOTE 2            | -               |
| INVALID T-STAT INPUTS                                  | FLASHING CODE 4    | OFF               | NOTE 2            | -               |
| UP FAULT / (LOCKOUT) NOTE 1                            | FLASHING CODE 1    | OFF               | FLASHING CODE 1   | OPEN / (CLOSED) |
| UP FAULT / (LOCKOUT) NOTE 2                            | FLASHING CODE 2    | OFF               | FLASHING CODE 2   | OPEN / (CLOSED) |
| FP1 FAULT / (LOCKOUT) NOTE 1                           | FLASHING CODE 3    | OFF               | FLASHING CODE 3   | OPEN / (CLOSED) |
| FP2 FAULT / (LOCKOUT) NOTE 1                           | FLASHING CODE 4    | OFF               | FLASHING CODE 4   | OPEN / (CLOSED) |
| FP2 FAULT / (LOCKOUT) NOTE 2                           | FLASHING CODE 5    | OFF               | FLASHING CODE 5   | OPEN / (CLOSED) |
| CO FAULT / (LOCKOUT) NOTE 1                            | FLASHING CODE 6    | OFF               | FLASHING CODE 6   | OPEN / (CLOSED) |
| OVER-UNDER VOLTAGE                                     | FLASHING CODE 7    | OFF               | FLASHING CODE 7   | OPEN / (CLOSED) |
| OVER-UNDER VOLTAGE                                     | FLASHING CODE 8    | OFF               | FLASHING CODE 8   | OPEN / (CLOSED) |
| OVER-UNDER VOLTAGE                                     | FLASHING CODE 9    | OFF               | FLASHING CODE 9   | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - CODE 1                         | FLASHING CODE 1    | OFF               | FLASHING CODE 1   | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - CODE 2                         | FLASHING CODE 2    | OFF               | FLASHING CODE 2   | OPEN / (CLOSED) |
| LOCKOUT MODE SLOW FLASH - 1 FLASH PER EVERY 2 SECONDS  | FLASHING CODE 3    | OFF               | FLASHING CODE 3   | OPEN / (CLOSED) |
| LOCKOUT MODE SLOW FLASH - 2 FLASHES PER EVERY 1 SECOND | FLASHING CODE 4    | OFF               | FLASHING CODE 4   | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 1 FLASH PER EVERY 2 SECONDS    | FLASHING CODE 5    | OFF               | FLASHING CODE 5   | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 2 FLASHES PER EVERY 1 SECOND   | FLASHING CODE 6    | OFF               | FLASHING CODE 6   | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 3 FLASHES PER EVERY 1 SECOND   | FLASHING CODE 7    | OFF               | FLASHING CODE 7   | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 4 FLASHES PER EVERY 1 SECOND   | FLASHING CODE 8    | OFF               | FLASHING CODE 8   | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 5 FLASHES PER EVERY 1 SECOND   | FLASHING CODE 9    | OFF               | FLASHING CODE 9   | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 6 FLASHES PER EVERY 1 SECOND   | FLASHING CODE 10   | OFF               | FLASHING CODE 10  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 7 FLASHES PER EVERY 1 SECOND   | FLASHING CODE 11   | OFF               | FLASHING CODE 11  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 8 FLASHES PER EVERY 1 SECOND   | FLASHING CODE 12   | OFF               | FLASHING CODE 12  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 9 FLASHES PER EVERY 1 SECOND   | FLASHING CODE 13   | OFF               | FLASHING CODE 13  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 10 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 14   | OFF               | FLASHING CODE 14  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 11 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 15   | OFF               | FLASHING CODE 15  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 12 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 16   | OFF               | FLASHING CODE 16  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 13 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 17   | OFF               | FLASHING CODE 17  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 14 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 18   | OFF               | FLASHING CODE 18  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 15 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 19   | OFF               | FLASHING CODE 19  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 16 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 20   | OFF               | FLASHING CODE 20  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 17 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 21   | OFF               | FLASHING CODE 21  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 18 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 22   | OFF               | FLASHING CODE 22  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 19 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 23   | OFF               | FLASHING CODE 23  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 20 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 24   | OFF               | FLASHING CODE 24  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 21 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 25   | OFF               | FLASHING CODE 25  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 22 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 26   | OFF               | FLASHING CODE 26  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 23 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 27   | OFF               | FLASHING CODE 27  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 24 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 28   | OFF               | FLASHING CODE 28  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 25 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 29   | OFF               | FLASHING CODE 29  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 26 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 30   | OFF               | FLASHING CODE 30  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 27 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 31   | OFF               | FLASHING CODE 31  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 28 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 32   | OFF               | FLASHING CODE 32  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 29 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 33   | OFF               | FLASHING CODE 33  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 30 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 34   | OFF               | FLASHING CODE 34  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 31 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 35   | OFF               | FLASHING CODE 35  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 32 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 36   | OFF               | FLASHING CODE 36  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 33 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 37   | OFF               | FLASHING CODE 37  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 34 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 38   | OFF               | FLASHING CODE 38  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 35 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 39   | OFF               | FLASHING CODE 39  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 36 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 40   | OFF               | FLASHING CODE 40  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 37 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 41   | OFF               | FLASHING CODE 41  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 38 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 42   | OFF               | FLASHING CODE 42  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 39 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 43   | OFF               | FLASHING CODE 43  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 40 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 44   | OFF               | FLASHING CODE 44  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 41 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 45   | OFF               | FLASHING CODE 45  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 42 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 46   | OFF               | FLASHING CODE 46  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 43 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 47   | OFF               | FLASHING CODE 47  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 44 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 48   | OFF               | FLASHING CODE 48  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 45 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 49   | OFF               | FLASHING CODE 49  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 46 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 50   | OFF               | FLASHING CODE 50  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 47 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 51   | OFF               | FLASHING CODE 51  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 48 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 52   | OFF               | FLASHING CODE 52  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 49 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 53   | OFF               | FLASHING CODE 53  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 50 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 54   | OFF               | FLASHING CODE 54  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 51 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 55   | OFF               | FLASHING CODE 55  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 52 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 56   | OFF               | FLASHING CODE 56  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 53 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 57   | OFF               | FLASHING CODE 57  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 54 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 58   | OFF               | FLASHING CODE 58  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 55 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 59   | OFF               | FLASHING CODE 59  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 56 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 60   | OFF               | FLASHING CODE 60  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 57 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 61   | OFF               | FLASHING CODE 61  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 58 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 62   | OFF               | FLASHING CODE 62  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 59 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 63   | OFF               | FLASHING CODE 63  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 60 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 64   | OFF               | FLASHING CODE 64  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 61 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 65   | OFF               | FLASHING CODE 65  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 62 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 66   | OFF               | FLASHING CODE 66  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 63 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 67   | OFF               | FLASHING CODE 67  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 64 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 68   | OFF               | FLASHING CODE 68  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 65 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 69   | OFF               | FLASHING CODE 69  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 66 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 70   | OFF               | FLASHING CODE 70  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 67 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 71   | OFF               | FLASHING CODE 71  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 68 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 72   | OFF               | FLASHING CODE 72  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 69 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 73   | OFF               | FLASHING CODE 73  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 70 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 74   | OFF               | FLASHING CODE 74  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 71 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 75   | OFF               | FLASHING CODE 75  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 72 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 76   | OFF               | FLASHING CODE 76  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 73 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 77   | OFF               | FLASHING CODE 77  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 74 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 78   | OFF               | FLASHING CODE 78  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 75 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 79   | OFF               | FLASHING CODE 79  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 76 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 80   | OFF               | FLASHING CODE 80  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 77 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 81   | OFF               | FLASHING CODE 81  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 78 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 82   | OFF               | FLASHING CODE 82  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 79 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 83   | OFF               | FLASHING CODE 83  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 80 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 84   | OFF               | FLASHING CODE 84  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 81 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 85   | OFF               | FLASHING CODE 85  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 82 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 86   | OFF               | FLASHING CODE 86  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 83 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 87   | OFF               | FLASHING CODE 87  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 84 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 88   | OFF               | FLASHING CODE 88  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 85 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 89   | OFF               | FLASHING CODE 89  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 86 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 90   | OFF               | FLASHING CODE 90  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 87 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 91   | OFF               | FLASHING CODE 91  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 88 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 92   | OFF               | FLASHING CODE 92  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 89 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 93   | OFF               | FLASHING CODE 93  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 90 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 94   | OFF               | FLASHING CODE 94  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 91 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 95   | OFF               | FLASHING CODE 95  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 92 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 96   | OFF               | FLASHING CODE 96  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 93 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 97   | OFF               | FLASHING CODE 97  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 94 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 98   | OFF               | FLASHING CODE 98  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 95 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 99   | OFF               | FLASHING CODE 99  | OPEN / (CLOSED) |
| STATISTICAL LOW FLASH - 96 FLASHES PER EVERY 1 SECOND  | FLASHING CODE 100  | OFF               | FLASHING CODE 100 | OPEN / (CLOSED) |



GSW036 220-240/50/1 DXM CE 96B0050N02 Rev A 2/20/02

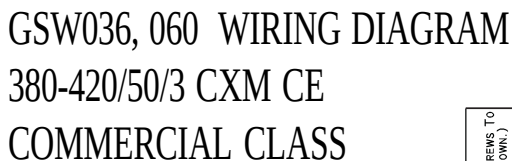


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## Contractor: \_\_\_\_\_ P.O.: \_\_\_\_\_

Engineer: \_\_\_\_\_

Project Name: \_\_\_\_\_ Unit Tag: \_\_\_\_\_

TRANSFORMER SECONDARY GROUND VIA CXM BOARD STANDOFFS & SCREWS TO CONTROL BOX. (GROUND AVAILABLE FROM TOP TWO STANDOFFS AS SHOWN.)

NOTES:  
1. COMPRESSOR MOTOR THERMALLY PROTECTED INTERNALLY.

2. ALL WIRING TO THE UNIT MUST COMPLY WITH LOCAL CODES.
3. TRANSFORMER WIRED FOR 240V (V) AND NEUTRAL (420V) POWER SUPPLY TO THE UNIT (IF THE POWER SUPPLY TO THE UNIT IS 380V, DISCONNECT 240V (0RG) LEAD AT LI AND CONNECT 220V (RED) LEAD AT LI. OPEN END OF 240V (0RG) LEAD MUST BE INSULATED.
4. FPE THERMOSTAT PROVIDES FREEZE PROTECTION FOR SOURCE WATER. WHEN USING ANTI-FREEZE SOLUTIONS, CUT JW3 JUMPER.
5. TYPICAL HEAT PUMP THERMOSTAT WIRING SHOWN. REFER TO THERMOSTAT INSTALLATION INSTRUCTIONS FOR WIRING TO THE UNIT. T-STAT WIRING MUST BE "CLASS 1" AND VOLTAGE RATING EQUAL TO OR GREATER THAN UNIT

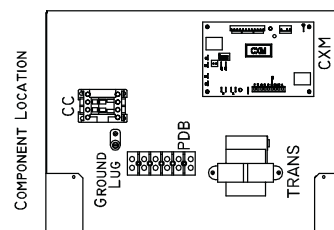
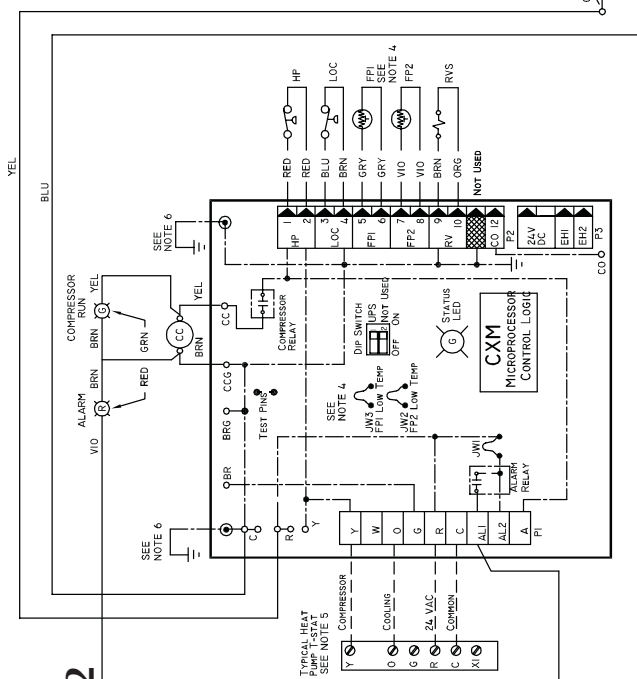
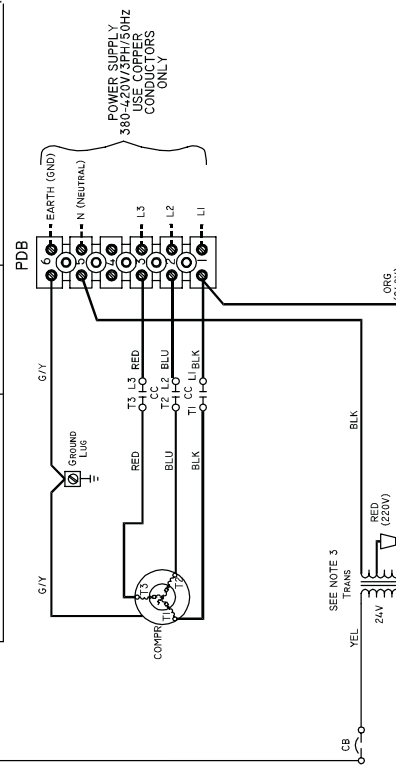
CC COMPRESSOR CONTACTOR  
CFPI SENSOR, SOURCE WATER LOW TEMP PROTECTION  
FPI HIGH PRESSURE SWITCH  
HWT HOT WATER TEMPERATURE SWITCH  
LWC LOSS OF CHARGE PRESSURE SWITCH  
MVC MOTORIZED VALVE (SOURCE WATER)  
PI FIELD WIRING TERMINAL BLOCK  
PFI POWER TERMINAL BLOCK  
PDB POWER DISTRIBUTION BLOCK  
RVS REVERSE FLOW VALVE SOLENOID  
TTS TRANSFORMER  
• OPTIONAL WIRING

|                                                                                     |                              |
|-------------------------------------------------------------------------------------|------------------------------|
|  | SOLENOID COIL                |
|  | RELAY CONTACTS - N.O.        |
|  | TEMPERATURE SWITCH           |
|  | SWITCH-<br>LOSS OF<br>CHARGE |
|  | GROUND                       |
|  | WIRE NUT                     |
|  | ALARM RELAY CONTACTS         |
|  | AQUASTAT                     |
|  | COMPRESSOR CAPACITOR         |
|  | CIRCUIT BREAKER              |

|        |                          |                         |                        |                       |                       |                 |                        |           |                |                 |     |
|--------|--------------------------|-------------------------|------------------------|-----------------------|-----------------------|-----------------|------------------------|-----------|----------------|-----------------|-----|
| LEGEND | FACTORY LINE VOLT WIRING | FACTORY LOW VOLT WIRING | FIELD LINE VOLT WIRING | FIELD LOW VOLT WIRING | PRINTED CIRCUIT TRACE | OPTIONAL WIRING | RELAY / CONTACTOR COIL | TERMISTOR | CONDENSATE PAN | CIRCUIT BREAKER | LED |
|        |                          |                         |                        |                       |                       |                 |                        |           |                |                 |     |

### CXM CONTROLLER FAULT CODES

| DESCRIPTION OF OPERATION                | LED             | ALARM RELAY                        |
|-----------------------------------------|-----------------|------------------------------------|
| NORMAL MODE                             | ON              | OPEN                               |
| NORMAL MODE W/ UPS WARNING              | ON              | CYCLE (CLOSED 5 SEC. OPEN 25 SEC.) |
| CXM IS NON-FUNCTIONAL                   | OFF             | OPEN                               |
| FAULT RETRY                             | SLOW FLASH      | OPEN                               |
| LOCKOUT                                 | FAST FLASH      | CLOSED                             |
| OVER/UNDER VOLTAGE SHUTDOWN             | SLOW FLASH      | OPEN (CLOSED AFTER 15 MIN.)        |
| TEST MODE-NO FAULT IN MEMORY            | FLASHING CODE 1 | CYCLING CODE 1                     |
| TEST MODE-HP FAULT IN MEMORY            | FLASHING CODE 2 | CYCLING CODE 2                     |
| TEST MODE-LP FAULT IN MEMORY            | FLASHING CODE 3 | CYCLING CODE 3                     |
| TEST MODE-FPI FAULT IN MEMORY           | FLASHING CODE 4 | CYCLING CODE 4                     |
| TEST MODE-FP2 FAULT IN MEMORY           | FLASHING CODE 5 | CYCLING CODE 5                     |
| TEST MODE-CO FAULT IN MEMORY            | FLASHING CODE 6 | CYCLING CODE 6                     |
| TEST MODE-OVER/UNDER SHUTDOWN IN MEMORY | FLASHING CODE 7 | CYCLING CODE 7                     |
| TEST MODE-UPS IN MEMORY                 | FLASHING CODE 8 | CYCLING CODE 8                     |
| SWAPPED, EP1/EP2 LOCKOUT                | FLASHING CODE 9 | CYCLING CODE 9                     |



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CXM CE  
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# GSW Series 50Hz - R22 Submittal Data Eng/SI

## GSW036-060 WIRING DIAGRAM

380-420/50/3 DXM CE

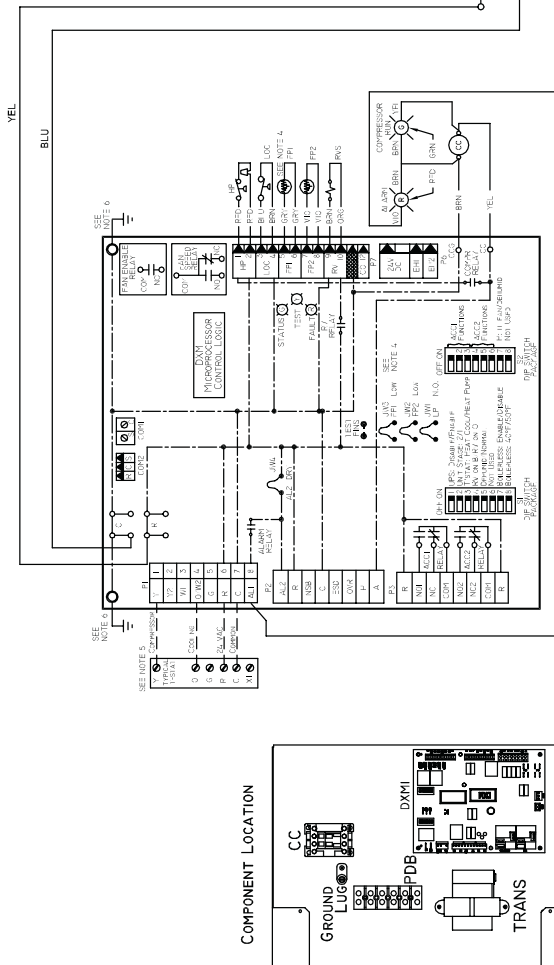
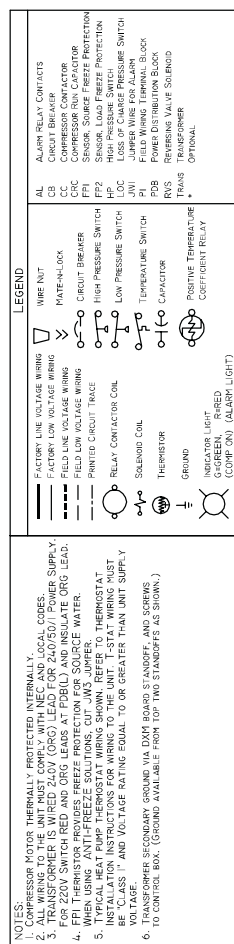
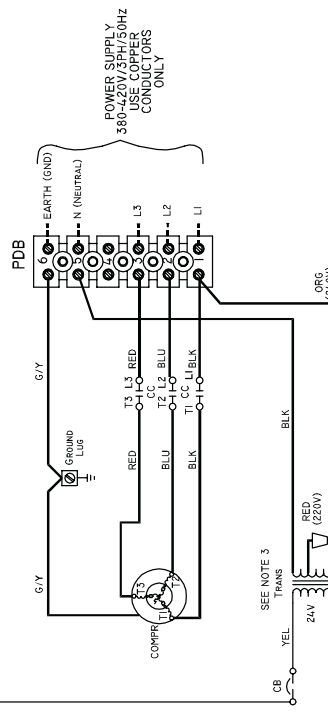
COMMERCIAL CLASS

Contractor: \_\_\_\_\_ P.O.: \_\_\_\_\_

Engineer: \_\_\_\_\_

Project Name: \_\_\_\_\_ Unit Tag: \_\_\_\_\_

| DXM CONTROLLER FAULT CODES                                                                                     |                    |                   |                  |                 |
|----------------------------------------------------------------------------------------------------------------|--------------------|-------------------|------------------|-----------------|
| OPERATION                                                                                                      | STATUS LED (GREEN) | TEST LED (YELLOW) | FAULT LED (RED)  | ALARM RELAY     |
| NORMAL MODE                                                                                                    | ON                 | OFF               | OFF              | OPEN            |
| DXM - LOCKOUT                                                                                                  | OFF                | ON                | NOTE 2           | OPEN            |
| TEST MODE                                                                                                      | OFF                | ON                | NOTE 2           | CYCLE (NOTE 3)  |
| NIGHT SETBACK                                                                                                  | FLASHING CODE 2    | -                 | NOTE 2           | -               |
| EMERGENCY SHUT DOWN                                                                                            | FLASHING CODE 4    | -                 | NOTE 2           | -               |
| INVALID T-STAT INPUTS                                                                                          | FLASHING CODE 5    | -                 | NOTE 2           | -               |
| LOSS OF CHARGE PRESSURE SWITCH                                                                                 | FLASHING CODE 6    | -                 | NOTE 2           | -               |
| FIELD WIRING TERMINAL BLOCK                                                                                    | FLASHING CODE 7    | -                 | NOTE 2           | -               |
| POWER DISTRIBUTION BLOCK                                                                                       | FLASHING CODE 8    | -                 | NOTE 2           | -               |
| REVERSE VALVE SOLENOID                                                                                         | FLASHING CODE 9    | -                 | NOTE 2           | -               |
| OPTIONAL                                                                                                       | FLASHING CODE 10   | -                 | NOTE 2           | -               |
| HP FAULT / LOCKOUT NOTE 1                                                                                      | FLASHING CODE 11   | OFF               | FLASHING CODE 1  | OPEN / (CLOSED) |
| LP FAULT / LOCKOUT NOTE 2                                                                                      | FLASHING CODE 12   | OFF               | FLASHING CODE 2  | OPEN / (CLOSED) |
| FPI FAULT / LOCKOUT NOTE 3                                                                                     | FLASHING CODE 13   | OFF               | FLASHING CODE 3  | OPEN / (CLOSED) |
| FP2 FAULT / LOCKOUT NOTE 4                                                                                     | FLASHING CODE 14   | OFF               | FLASHING CODE 4  | OPEN / (CLOSED) |
| CO FAULT / LOCKOUT NOTE 5                                                                                      | FLASHING CODE 15   | OFF               | FLASHING CODE 5  | OPEN / (CLOSED) |
| OVERHEAT VOLTAGE                                                                                               | FLASHING CODE 16   | OFF               | FLASHING CODE 6  | OPEN / (CLOSED) |
| NORMAL MODE W/OPS                                                                                              | FLASHING CODE 17   | OFF               | FLASHING CODE 7  | OPEN / (CLOSED) |
| STAT LOCKOUT                                                                                                   | FLASHING CODE 18   | OFF               | FLASHING CODE 8  | OPEN / (CLOSED) |
| STAT LOCKOUT                                                                                                   | FLASHING CODE 19   | OFF               | FLASHING CODE 9  | OPEN / (CLOSED) |
| STAT LOCKOUT                                                                                                   | FLASHING CODE 20   | OFF               | FLASHING CODE 10 | OPEN / (CLOSED) |
| LOCKOUT MODE SLOW FLASH - 1 FLASH PER EVERY 2 SECONDS. FAST FLASH - 2 FLASHES PER EVERY 1 SECOND.              |                    |                   |                  |                 |
| 1. STAT LOCKOUT SLOW FLASH - 1 FLASH PER EVERY 2 SECONDS. FAST FLASH - 2 FLASHES PER EVERY 1 SECOND.           |                    |                   |                  |                 |
| 2. FAULT LED (RED) FLASHES A CODE REPRESENTING LAST FAULT IN MEMORY. IF NO FAULT IN MEMORY, CODE 1 IS FLASHED. |                    |                   |                  |                 |
| 3. CYCLES APPROPRIATE CODE BY CYCLING ALARM RELAY IN THE SAME SEQUENCE AS FAULT LED.                           |                    |                   |                  |                 |
| 4. ALARM RELAY CLOSING AFTER 5 MINUTES.                                                                        |                    |                   |                  |                 |
| 5. ALARM RELAY CYCLES - CLOSED FOR 5 SECONDS AND OPEN FOR 25 SECONDS. . . .                                    |                    |                   |                  |                 |



GSW036, 060 380-420/50/3 DXM CE 96B0051N02 Rev - 2/20/02



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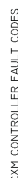
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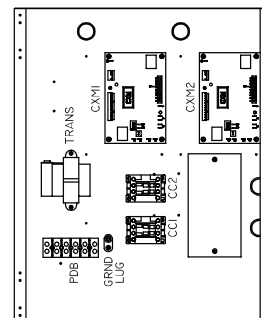


## COMMERCIAL CLASS

Project Name: \_\_\_\_\_ Unit Tag: \_\_\_\_\_



The diagram illustrates the internal wiring of the CXM Microprocessor Control Logic for two units, CXM 1 and CXM 2. The main components shown are the CXM Microprocessor Control Logic block, the CXM 1 and CXM 2 units, and the CXM 1 and CXM 2 units. The diagram includes various components such as the CXM Microprocessor Control Logic, the CXM 1 and CXM 2 units, and the CXM 1 and CXM 2 units. The wiring is detailed, showing connections between terminals and components. The diagram is a detailed wiring schematic for a microprocessor control system, showing connections between various components and terminals.



GSW120 380-420/50/3 CXM CE 96B0089N01 Rev A 2/21/02

