



## Technical Data Sheet

### QGS 100

| Technical Data          |      |     |     |
|-------------------------|------|-----|-----|
| Operating Pressure      | PSI  | 100 | 125 |
| Capacity                | acfm | 456 | 434 |
| Nameplate HP            | HP   | 100 | 100 |
| Max Working Pressure    | PSI  | 107 | 132 |
| Min Working Pressure    | PSI  | 58  | 58  |
| Max Ambient Temperature | °F   | 115 | 115 |
| Min Ambient Temperature | °F   | 32  | 32  |
| Service Line Connection | NPT  | 2"  | 2"  |
| Sound Level             | dBA  | 72  | 72  |

| Aftercooling Data             |         |              |      |
|-------------------------------|---------|--------------|------|
| Operating Pressure            | PSI     | 100          | 125  |
| Heat Rejection - Oil Cooler   | BTU/min | 4550         | 4550 |
| Heat Rejection - After Cooler | BTU/min | 955          | 955  |
| Approach Temperature          | °F      | 9°F @ 100psi |      |
| Fan Motor HP                  | HP      | 3            | 3    |
| Fan motor Efficiency          | %       | 87.5         | 87.5 |
| Nominal Motor Speed           | RPM     | 3570         | 3570 |
| Fan Flow                      | cfm     | 2119         | 2119 |

| Compressor Fluid      |     |     |     |
|-----------------------|-----|-----|-----|
| Operating Pressure    | PSI | 100 | 125 |
| System Capacity       | gal | 7   | 7   |
| Fluid Carryover       | ppm | 3.7 | 3.7 |
| Discharge Temperature | °F  | 185 | 185 |

| Energy Data                 |            |       |       |
|-----------------------------|------------|-------|-------|
| Operating Pressure          | PSI        | 100   | 125   |
| Full Load Drive Motor HP    | BHP        | 117   | 116   |
| Unloaded Drive Motor HP     | BHP        | 34    | 34    |
| Full Load Package Power     | kW         | 87.53 | 87.53 |
| Max Fuse Size (Amps)        | 460V       | 175A  | 175A  |
| Fan Motor Speed             | RPM        | 1730  | 1730  |
| Drive Motor Service Factor  |            | 1.17  | 1.17  |
| Drive Motor Speed           | RPM        | 3570  | 3570  |
| Specific Energy Requirement | kW/100 cfm | 19.5  | 21.8  |

| Weight and Dimensions |      |      |  |
|-----------------------|------|------|--|
| Length                | in.  | 76   |  |
| Width                 | in.  | 42   |  |
| Height                | in.  | 64   |  |
| Weight                | lbs. | 2903 |  |