

COMPRESSOR DATA SHEET



Rotary Compressor: Fixed Speed

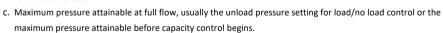
| Date: | July 1, | 2020 |
|-------|---------|------|
| | | |

| Α | Manufacturer: | Quincy Compressor | | |
|---------------|--|--|-------|-------------------------|
| В | Base Model: | QOF-200 W | | |
| С | Cooling: | Water-Cooled | | |
| D | Туре: | Oil-Free | | |
| E | Stages: | 2 | | |
| F | Drive Motor Nominal | Rating | 200 | hp |
| η_{isen} | Full-load package Isen at Rated Capacity and | tropic Efficiency Full Load Operating Pressure ^e | 73.3 | Percent ^e |
| G | Rated Capacity at Full Load Operating Pressure ^a | | 820.2 | acfm ^{a,g} |
| Н | Full Load Operating Pr | ressure b | 116 | psig b |
| 1 | Maximum Full Flow O | perating Pressure ^c | 125 | psig ^c |
| J | Pressure Ratio ^f | | 9.0 | |
| К | Total Package Input Po Operating Pressure ^d | ower at Rated Capacity and Full Load | 161.3 | kW ^d |
| L | Total Package Input P | ower at Zero Flow ^g | 39.0 | kW ^g |
| | Specific Package Input Operating Pressure | t Power at Rated Capacity and Full Load | 19.67 | kW/100 cfm ^e |
| NOTES: | a. Measured at the discharge terminal point of the compressor package in accordance with | | | |

NOTES:

Member

- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item G) and Electrical Consumption (Item K) were measured for this data sheet.



- d. Total package input power at other than reported operating points will vary with control strategy.
- e. Isentropic Efficiency = theoretical power required divided by real measurement performance at same flow and pressure
- f. Pressure Ratio = the ratio of discharge pressure to inlet pressure, as determined at full-load operating pressure
- g. Tolerance is specified in ISO 1217, Annex C, as shown in table below:

| Volume Flow Rate | | | Specific Energy | |
|-------------------------|-----------|------------------|-----------------|---------------------------|
| at specified conditions | | Volume Flow Rate | Consumption | No Load / Zero Flow Power |
| m³/min | ft3 / min | % | % | |
| Below 0.5 | Below 15 | +/- 7 | +/- 8 | |
| 0.5 to 1.5 | 15 to 50 | +/- 6 | +/- 7 | +/- 10% |
| 1.5 to 15 | 50 to 500 | +/- 5 | +/- 6 | |
| Above 15 | Above 500 | +/- 4 | +/- 5 | |

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