## COMPRESSOR DATA SHEET



## Federal Uniform Test Method for Certain Air Compressors Not Applicable **Rotary Compressor: Fixed Speed**

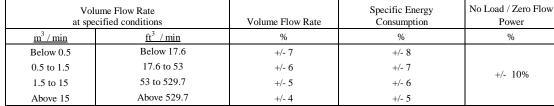
MODEL DATA - FOR COMPRESSED AIR Manufacturer: Gardner Denver Model Number: STG2-300hp-125psi Date: 3/1/2022 2 X Water-cooled Air-cooled Type: Screw Oil-injected Oil-free # of Stages: 1 Rated Capacity at Full Load Operating Pressure a, e acfm<sup>a,e</sup> 3\* 1443.8 Full Load Operating Pressure b <u>psi</u>g<sup>b</sup> 4 125 <u>psi</u>g<sup>c</sup> Maximum Full Flow Operating Pressure c 5 128 **Drive Motor Nominal Rating** 6 300 hp **Drive Motor Nominal Efficiency** 7 96.2 percent Fan Motor Nominal Rating (if applicable) 8 N/A hp Fan Motor Nominal Efficiency 9 N/A percent  $kW^{e}$ Total Package Input Power at Zero Flow<sup>e</sup> 10\* 79.16 Total Package Input Power at Rated Capacity and  $kW^{d} \\$ 11 267.80 Full Load Operating Pressure<sup>d</sup> Specific Package Input Power at Rated Capacity 12\* 18.55 kW/100 cfm<sup>e</sup> and Full Load Operating Pressure

\*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator. Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

- 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 3) and Electrical Consumption (Item 11) were measured for this data sheet.
- c. Maximum pressure attainable at full flow, usually the unload pressure setting for load/no load control or the maximum pressure attainable before capacity control begins. May require additional power.
- d. Total package input power at other than reported operating points will vary with control strategy.
- e. Tolerance is specified in ISO 1217, Annex C, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document





Member

ROT 030.2

12/19 Rev 3 This form was developed by the Compressed Air and Gas Institute for the use of its members participating in the PVP. CAGI has not independently verified the reported data.

Configurator: ST250-300G2A