

## **COMPRESSOR DATA SHEET**

## In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors Rotary Compressor: Fixed Speed

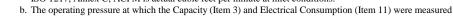
MODEL DATA - FOR COMPRESSED AIR (Preliminary Data)				
1	Manufacturer: Atl	as Copco		
	Model Number: GA	.5-175	Date:	10/24/2023
2	X Air-cooled 0	Water-cooled	Type:	Screw
			# of Stages:	1
3*	Rated Capacity at Full Load Operating Pressure a, e		20.1	acfm <sup>a,e</sup>
4	Full Load Operating Pressure <sup>b</sup>		175	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>		181	psig <sup>c</sup>
6	Drive Motor Nominal Rating		7.5	hp
7	Drive Motor Nominal Efficiency		89.2	percent
8	Fan Motor Nominal Rating (if applicable)		NA	hp
9	Fan Motor Nominal Efficiency		NA	percent
10*	Total Package Input Power at Zero Flow <sup>e</sup>		1.9	kW <sup>e</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>		7.3	kW <sup>d</sup>
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>		36.3	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency		49.30	Percent

\*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator. Consult CAGI websitefor 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

e. Tolerance is specified in ISO 1217, Annex C, as shown in table below:

ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.



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.



ROT 030.1

Member

NOTE: The terms "power" and "energy" are synonymous for purposes of this document. Volume Flow Rate Specific Energy No Load / Zero Volume Flow Rate Flow Power at specified conditions Consumption  $\underline{m^3} / \underline{min}$ ft3 / min % % Below 17.6 Below 0.5 +/- 7 +/- 8 17.6 to 53 +/- 7 +/- 10% 0.5 to 1.5 +/- 6 53 to 529.7 1.5 to 15 +/- 5 +/- 6 Above 529.7 Above 15 +/- 4 +/- 5

2/19 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.