

## **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:	Atlas Copco		
	Model Number:	GA55-100 AC	Date:	9/20/2023
2	X Air-cooled	Water-cooled	Type:	Screw
			# of Stages:	1
3*	Rated Capacity at Full Load Operating Pressure a, e		384.9	acfm <sup>a,e</sup>
4	Full Load Operating Pressure b		100	psig
5	Maximum Full Flow Operating Pressure c		107	psig c
6	Drive Motor Nominal Rating		75	hp
7	Drive Motor Nominal Efficiency		94.5	percent
8	Fan Motor Nominal Rating (if applicable)		1.6	hp
9	Fan Motor Nominal Efficiency		88.5	percent
10*	Total Package Input Power at Zero Flow <sup>e</sup>		13.7	kW <sup>e</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>		64.7	$kW^d$
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure		16.8	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency		79.06	Percent

NOTES:

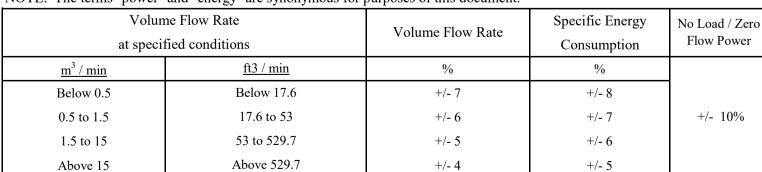
- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) were measured for this data sheet.

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- 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.



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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.

<sup>\*</sup>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