

## **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:	GA90-100 AC	Date:	9/20/2023
2	X Air-cooled	<b>0</b> Water-cooled	Type:	Screw
			# of Stages:	1
3*	Rated Capacity at Full Load Operating Pressure a, e		636.8	acfm <sup>a,e</sup>
4	Full Load Operating Pressure b		100	psig b
5	Maximum Full Flow Operating Pressure c		107	psig
6	Drive Motor Nominal Rating		125	hp
7	Drive Motor Nominal Efficiency		95.4	percent
8	Fan Motor Nominal Rating (if applicable)		3.0	hp
9	Fan Motor Nominal Efficiency		89.5	percent
10*	Total Package Input Power at Zero Flow <sup>e</sup>		22	kW <sup>e</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>		107.3	$\mathrm{kW}^{\mathrm{d}}$
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure		16.8	kW/100 cfm <sup>e</sup>
13	Isentropic Efficiency		78.87	Percent

<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

NOTES:

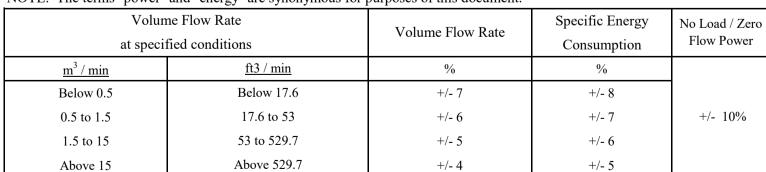
- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) were measured for this data sheet.

Member

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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.



ROT 030.1

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.