

## **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 WC	Date:	2/20/2024			
2	Air-cooled	X 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 b			
5	Maximum Full Flow Operating Pressure <sup>c</sup>		107	psig			
6	Drive Motor Nominal Rating		75	hp			
7	Drive Motor Nominal Efficiency		94.5	percent			
8	Fan Motor Nominal Rating (if applicable)		N/A	hp			
9	Fan Motor Nominal Efficiency		NA	percent			
10*	Total Package Input Power	at Zero Flow <sup>e</sup>	12.5	kW <sup>e</sup>			
11	Total Package Input Power Load Operating Pressure <sup>d</sup>	at Rated Capacity and Full	63.5	$kW^d$			
12*	Specific Package Input Pov Full Load Operating Pressu	• •	16.5	kW/100 cfm <sup>e</sup>			
13	Isentropic Efficiency		80.55	Percent			

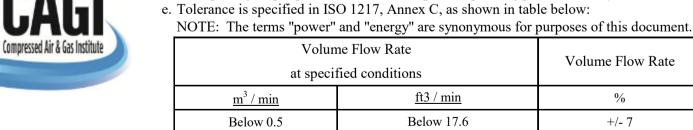
<sup>\*</sup>For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator. Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

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.

Member

- 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

	Volume Flow Rate at specified conditions		Specific Energy Consumption	No Load / Zero Flow Power
m <sup>3</sup> / min	ft3 / min	%	%	
Below 0.5	Below 17.6	+/- 7	+/- 8	
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	+/- 10%
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	

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. 12/19 Rev 3