

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:	GA75-100 WC	Date:	2/20/2024				
2	Air-cooled	X Water-cooled	Type:	Screw				
			# of Stages:	1				
3*	Rated Capacity at Full Load	l Operating Pressure ^{a, e}	492.9	acfm ^{a,e}				
4	Full Load Operating Pressure b		100	psig b				
5	Maximum Full Flow Operating Pressure ^c		107	psig c				
6	Drive Motor Nominal Rating		100	hp				
7	Drive Motor Nominal Efficiency		95.0	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 ^e		18.3	kW ^e				
11	Total Package Input Power Load Operating Pressure ^d	at Rated Capacity and Full	84.7	kW^d				
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure		17.2	kW/100 cfm ^e				
13	Isentropic Efficiency		77.34	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

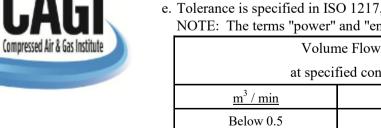
NOTES:

- a. Measured at the discharge terminal point of the compressor package in accordance with 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.
- 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.



Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m³/min	<u>ft3 / min</u>	%	%	
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	

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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