

## **COMPRESSOR DATA SHEET**

## In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Fixed Speed								
MODEL DATA - FOR COMPRESSED AIR								
1	Manufacturer:	Atlas Copco						
	Model Number:	G4-145TM	Date:	2/10/2023				
2	X Air-cooled	<b>0</b> Water-cooled	Type:	Screw				
			# of Stages:	1				
3*	Rated Capacity at Full Load Operating Pressure <sup>a, e</sup>		18	acfm <sup>a,e</sup>				
4	Full Load Operating Pressure <sup>b</sup>		138	psig <sup>b</sup>				
5	Maximum Full Flow Operating Pressure <sup>c</sup>		145	psig <sup>c</sup>				
6	Drive Motor Nominal Rating		5	hp				
7	Drive Motor Nominal Efficiency		88.5	percent				
8	Fan Motor Nominal Rating (if applicable)		n/a	hp				
9	Fan Motor Nominal Efficiency		n/a	percent				
10*	Total Package Input Power at Zero Flow <sup>e</sup>		n/a	kW <sup>e</sup>				
11	Total Package Input Power at Rated Capacity and Full5.03Load Operating Pressure <sup>d</sup>		5.03	$\mathrm{kW}^{\mathrm{d}}$				
12*	Specific Package Input Powe Full Load Operating Pressure		27.9	kW/100 cfm <sup>e</sup>				
13	Isentropic Efficiency		56.66	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: <u>www.cagi.org</u>

NOTES:

Member

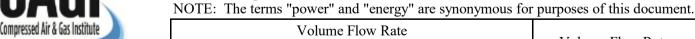
a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.

b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) were measured for this data sheet.

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:



titute	Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
	<u>m<sup>3</sup> / min</u>	<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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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.