

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:	GA45+-100 (2020)	Date:	6/29/2020
2	X Air-cooled	Water-cooled	Type:	Screw
			# of Stages:	1
3*	Rated Capacity at Full Load Operating Pressure a, e		322	acfm ^{a,e}
4	Full Load Operating Pressure ^b		100	psig b
5	Maximum Full Flow Operating Pressure ^c		107	psig
6	Drive Motor Nominal Rating		60	hp
7	Drive Motor Nominal Efficiency		94.5	percent
8	Fan Motor Nominal Rating (if applicable)		2.0	hp
9	Fan Motor Nominal Efficiency		77.0	percent
10*	Total Package Input Power at Zero Flow ^e		13.6	kW ^e
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d		54.5	kW^d
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure ^e		16.9	kW/100 cfm ^e
13	Isentropic Efficiency		78.67	Percent

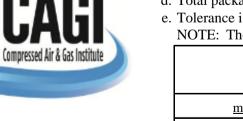
NOTES:

- 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.

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

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.

^{*}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