

## **COMPRESSOR DATA SHEET**

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

**Rotary Compressor: Variable Frequency Drive** 

		MODEL DATA	- FOR COMPRESSE	D AIR
1 Ma	nufacturer:	Atlas Copco		
Mo	del Number:	GA90VSD+	Date:	11/30/2020
2	X Air-cooled Water-cooled		Type:	Screw
			# of Stages:	1
3 F	Full Load Operating Pressure <sup>b</sup>		102	psig <sup>b</sup>
	Drive Motor Nominal Rating		125	hp
5 I	Drive Motor Nominal Efficiency		96	percent
6 I	Fan Motor Nominal Rating (if applicable)		2.6	hp
7 F	Fan Motor Nominal Efficiency		79	percent
	Input Power (kW)		Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	109.1	Max	648.1	16.8
	78.2		480.8	16.3
8*	58.8		361.7	16.3
	37.8		223.9	16.9
	27.2		150.3	18.1
	<b>20.6</b> Min		103.6	19.9
	Total Package Input Power at Zero Flow <sup>c, d</sup>		0.0	kW
10 I	Isentropic Effeciency		81.60	%
11	25.0  20.0  15.0  10.0  20.0  15.0  10.0  25.0 50.0 75.0100.0 25.0 50.0 75.0100.0 25.0 50.0 75.000.0 25.0 50.0 75.000.0 025.0 50.0 675.000.0 025.0 650.0 675.0 000.0 025.0 650.0 000.0 025.0 650.0 000.0 025.0 000			

\*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:

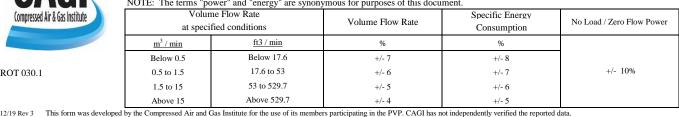
NOTES:

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

b. The operating pressure at which the Capacity (Item 8) and Electrical Consumption (Item 8) were measured for this data sheet.

- c. No Load Power. In accordance with ISO 1217, Annex E, if measurement of no load power equals less than 1%, manufacturer may state "not significant" or "0" on the test report.
- d. Tolerance is specified in ISO 1217, Annex E, as shown in table below:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.





Member

ROT 030.1