

## **COMPRESSOR DATA SHEET**

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

## **Rotary Compressor: Variable Frequency Drive**

	MODEL DAT	TA - FOR COMPRESSEI	D AIR
1	Manufacturer: Atlas Copco		
	Model Number: GA37VSDS-150 C9	Date:	11/11/2021
2	X Air-cooled 0 Water-cooled	Type:	Screw
		# of Stages:	1
3	Full Load Operating Pressure <sup>b</sup>	102	psig <sup>b</sup>
4	Drive Motor Nominal Rating	50	hp
5	Drive Motor Nominal Efficiency	95.6	percent
6	Fan Motor Nominal Rating (if applicable)	1.8	hp
7	Fan Motor Nominal Efficiency	80	percent
8*	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	48.6 Ma	ax 274.1	17.7
	41.8	243.4	17.2
	40.6	237.5	17.1
	33.8	202.7	16.7
	19.6	118.8	16.5
	<b>6.4</b> M	in 33.2	19.2
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	0.0	kW
10	Isentropic Effeciency	79.70	%
11	35.0 30.0 30.0 25.0 25.0 15.0 10.0 25.0 50.0 75.0 Note: Graph is only	0 100.0 125.0 150.0 175.0  Capacity (ACFM) y a visual representation of the data in Section	200.0 225.0 250.0 275.0 300.0

<sup>\*</sup>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: <a href="www.cagi.org">www.cagi.org</a>

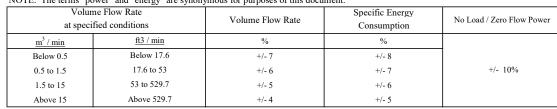
NOTES:

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.

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- 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.





2/10 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