

COMPRESSOR DATA SHEET

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

Rotary Compressor: Variable Frequency Drive

	MODEL DA	TA - FOR COMPRESS	SED AIR
1	Manufacturer: Atlas Copco		
	Model Number: GA37LVSD+	Date:	11/30/2020
2	X Air-cooled Water-cooled	Type:	Screw
		# of Stages:	1
3	Full Load Operating Pressure ^b	102	psig ^b
4	Drive Motor Nominal Rating	50	hp
5	Drive Motor Nominal Efficiency	96	percent
6	Fan Motor Nominal Rating (if applicable	1.1	hp
7	Fan Motor Nominal Efficiency	73	percent
8*	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	45.0	Max 279.5	16.1
	34.9	215.4	16.2
	29.3	178.4	16.4
	20.9	120.9	17.3
	15.7	84.7	18.5
		Min 54.7	20.8
9*	Total Package Input Power at Zero Flow		kW
10	Isentropic Effeciency	81.27	%
11	Note: Y-Axis Scale,	75.0 100.0 125.0 150.0 1 Capacity (ACFM) only a visual representation of the data in 8 10 to 35, + 5kW/100acfm increments if neces is Scale, 0 to 25% over maximum capacity	75.0 200.0 225.0 250.0 275.0 300.0 Section 8 ssary above 35

*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:

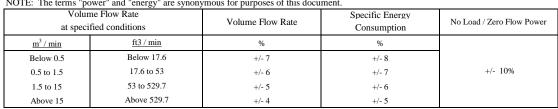
NOTES:

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

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