

COMPRESSOR DATA SHEET
Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: Atlas Copco		
2	Model Number: GA75VSD+ C142 P	Date:	11/1/2017
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	Type:	Screw
	<input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free	# of Stages:	1
3	Rated Operating Pressure	125	psig ^b
4	Drive Motor Nominal Rating	100	hp
5	Drive Motor Nominal Efficiency	96	percent
6	Fan Motor Nominal Rating (if applicable)	2.8	hp
7	Fan Motor Nominal Efficiency	79	percent
8*	Input Power (kW)		Capacity (acfm) ^{a,d}
	94.2	Max	521.5
	75.2		420.7
	49.0		271.0
	33.7		177.9
	25.1		123.6
9*	24.0	Min	115.7
	Total Package Input Power at Zero Flow ^{c, d}		1.1
10	<p align="center">Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35 X-Axis Scale, 0 to 25% over maximum capacity</p>		

*For models that are tested in the CAGI Performance Verification Program, these items are verified by program administrator

Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

NOTES:

- 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.
- The operating pressure at which the Capacity and Electrical Consumption were measured for this data sheet.
- 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.
- 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:



Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m^3 / min	ft^3 / min	%	%	

	Below 0.5	Below 15	+/- 7	+/- 8	
	0.5 to 1.5	15 to 50	+/- 6	+/- 7	+/- 10%
	1.5 to 15	50 to 500	+/- 5	+/- 6	
ROT 031	Above 15	Above 500	+/- 4	+/- 5	
5/11 R6	This form was developed by the Compressed Air and Gas Institute for the use of its members. CAGI has not independently verified the reported data.				