## **COMPRESSOR DATA SHEET**

**Rotary Compressor: Variable Frequency Drive** 

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Atlas Copco		
2	Model Number: ZT37 VSD-125 AP	Date:	6/13/2012
	X Air-cooled Water-cooled	Type:	Other
	Oil-injected X Oil-free	# of Stages:	2
3	Rated Operating Pressure	125	psig <sup>b</sup>
4	Drive Motor Nominal Rating	50	hp
5	Drive Motor Nominal Efficiency	91	percent
6	Fan Motor Nominal Rating (if applicable)	1.3	hp
7	Fan Motor Nominal Efficiency	73	percent
8*	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	52.0 Max	201.5	25.81
	42.6	169.9	25.07
	38.3	143.5	26.69
	31.2	114.8	27.18
	27.2 Mir	87.2	31.19
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	8.9	kW
10	35.00		
	30.00		
	Specific Power (W/100 ACFM) 20:00		
	20.00		
	15.00		
		00.0 125.0 150.0 175. acity (ACFM)	0 200.0 225.0
	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		

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

NOTES:

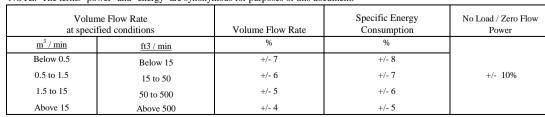
a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex E; acfm is actual cubic feet per minute at inlet conditions.

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- b. The operating pressure at which the Capacity and Electrical Consumption 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.



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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.