

COMPRESSOR DATA SHEET

Federal Uniform Test Method for Certain Air Compressors Not Applicable

Rotary Compressor: Variable Frequency Drive

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: Atlas Copco				
2	Model Number:	ZT 50 VSD+-8.6	Date:	01-05-2024	
	<input checked="" type="checkbox"/> Air-cooled	<input type="checkbox"/> Water-cooled	Type:	Tooth	
	<input type="checkbox"/> Lubricated	<input checked="" type="checkbox"/> Oil-free	# of Stages:	2	
3	Full Load Operating Pressure*(b)	124.7	psig*(b)		
4	Drive Motor Nominal Rating	40.2	hp		
5	Drive Motor Nominal Efficiency	96.3	percent		
6	Fan Motor Nominal Rating (if applicable)	2.6	hp		
7	Fan Motor Nominal Efficiency	59.0	percent		
8*	Input Power (kW)		Capacity (acfm) *(a,d)		Specific Power (kW/100 acfm)*(d)
	69.1 Max		306.2		22.6
	53.5		249.7		21.4
	40.2		193.3		20.8
	29.6		136.8		21.6
9*	18.8 Min		80.4		23.4
	Total Package Input Power at Zero Flow*(c,d)		0.0		kW
10					

*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:

- 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 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.

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	+/- 10
0.5 to 1.5	15 to 50	+/- 6	+/- 7	
1.5 to 15	50 to 500	+/- 5	+/- 6	
Above 15	Above 500	+/- 4	+/- 5	