

**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: ZR 50 VSD+-10	Date: 02-10-2025	
	<input type="checkbox"/> Air-cooled <input checked="" 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)	145.0	psig*(b)
4	Drive Motor Nominal Rating	40.2 & 40.2	hp
5	Drive Motor Nominal Efficiency	96.3 & 96.3	percent
6	Fan Motor Nominal Rating (if applicable)	--	hp
7	Fan Motor Nominal Efficiency	--	percent
8*	Input Power (kW)	Capacity (acfm) *(a,d)	Specific Power (kW/100 acfm)*(d)
	63.5      Max	274.1	23.2
	53.4	224.6	23.8
	40.2	175.0	22.9
	30.9	125.5	24.6
	21.2      Min	75.9	27.9
9*	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](http://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 <sup>3</sup> / min	ft <sup>3</sup> / 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	