

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 55VSD-8.6	Date: 01-05-2024	
	<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)	124.7	psig*(b)
4	Drive Motor Nominal Rating	73.8	hp
5	Drive Motor Nominal Efficiency	92.0	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)
	69.1 Max	285.1	24.2
	53.3	235.6	22.6
	41.9	186.0	22.5
	31.9	136.4	23.4
	20.9 Min	86.8	24.1
9*	Total Package Input Power at Zero Flow*(c,d)	5.5	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:

- 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	+/- 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	