COMPRESSOR DATA SHEET

Federal Uniform Test Method for Certain Air Compressors Not Applicable

Rotary Compressor: Variable Frequency Drive

	MODEL DATA - FOR CO		
1	Manufacturer: Atlas Copco		
2	Model Number: ZR 90 VSD STD-8.6	Date:	01-05-2021
	☐ Air-cooled ✓ Water-cooled	Туре:	Screw
	☐ Lubricated ☑ Oil-free	# of Stages:	2
3	Full Load Operating Pressure*(b)	102.0	psig*(b)
4	Drive Motor Nominal Rating	120.7	hp
5	Drive Motor Nomnial Efficiency	94.4	percent
6	Fan Motor Nominal Rating (if applicable)		hp
7	Fan Motor Nominal Efficiency		percent
	Input Power (kW)	Capacity (acfm) *(a,d)	Specific Power (kW/100 acfm)*(d)
	108.4 Max	597.5	18.1
8*	88.6	487.4	18.2
	69.5	377.2	18.4
	52.0	267.1	19.5
	36.0 Min	157.0	23.0
9*	Total Package Input Power at Zero Flow*(c,d)	6.6	kW
10	Specific Power (KW/100ACFM) Specific Power (KW/100ACFM) 10 0 100 200 30 Cap	0 400 500 Dacity (ACFM)	600 700

*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

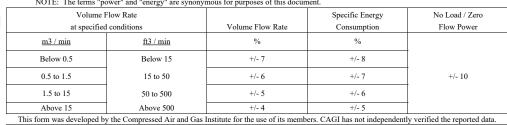
Notes:

Member

Compressed Air & Gas Institute

- 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



ROT 031.2 12/19 R3