## **COMPRESSOR DATA SHEET**

## Federal Uniform Test Method for Certain Air Compressors Not Applicable

**Rotary Compressor: Variable Frequency Drive** 

	MODEL DATA - FOR CO	MPRESSED AIR	
1	Manufacturer: Atlas Copco		
2	Model Number: ZR 90 VSD STD-8.6	Date:	01-06-2024
	☐ Air-cooled ✓ Water-cooled	Туре:	Screw
	☐ Lubricated ☑ Oil-free	# of Stages:	2
3	Full Load Operating Pressure*(b)	124.7	psig*(b)
4	Drive Motor Nominal Rating	120.7	hp
5	Drive Motor Nominal Efficiency	94.4	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)
	108.2 Max	546.8	19.8
	89.5	449.1	19.9
	71.8	351.3	20.4
	55.3	253.6	21.8
	40.1 Min	155.9	25.7
9*	Total Package Input Power at Zero Flow*(c,d)	7.0	kW
10	Specific Power (KW/100ACFM)  Specific Power (ACFM)  Specific Power (ACFM)		600

\*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

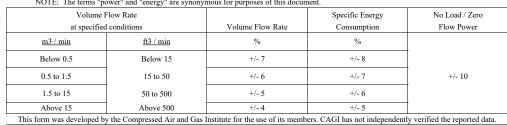
Notes:

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- 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



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