

**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 55 FLX-8.6 VSD	Date: 03-18-2025													
	<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 & 40.2	hp												
5	Drive Motor Nominal Efficiency	96.3 & 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)												
	63.9                      Max	291.4	21.9												
	53.6	237.4	22.6												
	40.9	183.3	22.3												
	29.8	129.3	23.0												
	19.4                      Min	75.3	25.8												
9*	Total Package Input Power at Zero Flow*(c,d)	0.0	kW												
10	<table border="1"> <caption>Graph Data: Specific Power vs Capacity</caption> <thead> <tr> <th>Capacity (ACFM)</th> <th>Specific Power (kW/100ACFM)</th> </tr> </thead> <tbody> <tr> <td>75</td> <td>26.0</td> </tr> <tr> <td>130</td> <td>23.0</td> </tr> <tr> <td>185</td> <td>22.5</td> </tr> <tr> <td>240</td> <td>22.8</td> </tr> <tr> <td>295</td> <td>22.2</td> </tr> </tbody> </table>			Capacity (ACFM)	Specific Power (kW/100ACFM)	75	26.0	130	23.0	185	22.5	240	22.8	295	22.2
Capacity (ACFM)	Specific Power (kW/100ACFM)														
75	26.0														
130	23.0														
185	22.5														
240	22.8														
295	22.2														

\*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	