

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 30 FLX-10 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)	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)	1.3	hp												
7	Fan Motor Nominal Efficiency	54.0	percent												
8*	Input Power (kW)	Capacity (acfm) *(a,d)	Specific Power (kW/100 acfm)*(d)												
	34.0 Max	134.7	25.2												
	29.8	119.4	25.0												
	27.1	104.1	26.0												
	24.5	88.8	27.6												
9*	Total Package Input Power at Zero Flow*(c,d)	0.0	kW												
10	<table border="1" style="margin: 10px auto; border-collapse: collapse;"> <caption>Graph Data Points</caption> <thead> <tr> <th>Capacity (ACFM)</th> <th>Specific Power (kW/100ACFM)</th> </tr> </thead> <tbody> <tr><td>75</td><td>29.2</td></tr> <tr><td>90</td><td>27.6</td></tr> <tr><td>105</td><td>26.0</td></tr> <tr><td>120</td><td>25.0</td></tr> <tr><td>135</td><td>25.0</td></tr> </tbody> </table>			Capacity (ACFM)	Specific Power (kW/100ACFM)	75	29.2	90	27.6	105	26.0	120	25.0	135	25.0
Capacity (ACFM)	Specific Power (kW/100ACFM)														
75	29.2														
90	27.6														
105	26.0														
120	25.0														
135	25.0														

*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:

- a. 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.
- b. The operating pressure at which the Capacity and Electrical Consumption were measured for this data sheet.
- c. 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.
- d. 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	