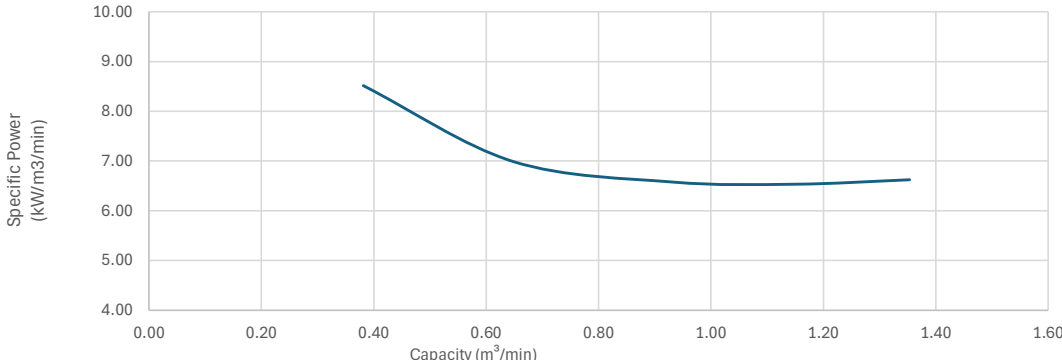


## ROTARY COMPRESSOR: VARIABLE SPEED / FREQUENCY DRIVE

MODEL DATA - FOR COMPRESSED AIR						
1	Manufacturer: Atlas Copco					
2	Model No:	GA7VSDs			Date:	10/07/2025
	Yes	Air Cooled			Type:	OIS
		Water Cooled			# of Stages:	1
		Other Please State:				
3	Full Load Operating Pressure	7.00	bar g			
4	Drive Motor Nominal Rating	7.00	kW			
5	Drive Motor Nominal Efficiency	92.50	% (percent)			
6	Fan Motor Nominal Rating (if applicable)	0.22	kW			
7	Fan Motor Nominal Efficiency	80.00	% (percent)			
8	Range	Input Power (kW)	Capacity (m <sup>3</sup> /min)	Specific Power (kW/m <sup>3</sup> /min)	Isentropic Efficiency (%)	
	Maximum Speed 100%	8.96	1.35	6.62	71.50%	
		7.49	1.15	6.53	72.46%	
		6.12	0.93	6.58	71.97%	
		4.53	0.65	6.99	67.71%	
	Minimum Speed	3.25	0.38	8.52	55.57%	
9	Total Package Input Power at Zero Flow	0	kW			
10	 <p>Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 4 to 10, + 1kW/m<sup>3</sup>/min increments X-Axis Scale, 0 to 25% over maximum capacity</p>					

\*For models that are tested in the BCAS Data Sheet & Verification Programme, these items are verified by the third party administrator. Consult BCAS website for a list of participants in the third party verification programme: [www.bcas.org.uk](http://www.bcas.org.uk)

### Notes:

- Measured at the discharge terminal point of the compressor in accordance with ISO1217, Annex E; m<sup>3</sup>/min is cubic metres per minute at inlet conditions.
- The operating pressure at which the capacity (item 8) and Electrical Consumption (Item 8) were measured for this data sheet.
- No Load Power in accordance with ISO1217, 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 ISO1217, Annex E, as shown in table below:
- The terms "power" and "energy" are synonymous for purposes of this document.

Volume Flow Rate at specified conditions	Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m <sup>3</sup> /min	%	%	%
Below 0.5	+/- 7	+/- 8	+/- 10
0.5 to 1.5	+/- 6	+/- 7	
1.5 to 15	+/- 5	+/- 6	
Above 15	+/- 4	+/- 5	