

COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Variable Frequency Drive

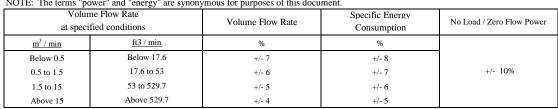
MODEL DATA - FOR COMPRESSED AIR							
1	Manufacturer: Atlas Copco						
2	Model Number: GA110VSD+	Date:	11/30/2020				
	X Air-cooled Water-cooled	Type:	Screw				
		# of Stages:	1				
3	Full Load Operating Pressure ^b	102	psig ^b				
4	Drive Motor Nominal Rating	150	hp				
5	Drive Motor Nominal Efficiency	96	percent				
6	Fan Motor Nominal Rating (if applicable)	5.1	hp				
7	Fan Motor Nominal Efficiency	76	percent				
	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d				
	128.6 Max	731.1	17.6				
0.1	97.5	572.7	17.0				
8*	75.0	447.9	16.7				
	46.0	265.7	17.3				
	28.3	148.2	19.1				
	21.6 Min	103.2	20.9				
9*	Total Package Input Power at Zero Flow ^{c, d}	1.1	kW				
10	Isentropic Effeciency	78.62	<u>%</u>				
11	Note: Graph is only a Note: Y-Axis Scale, 10 to 3	Specific Power (KW/100 ACFM) 12.0					

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator. Consult CAGI website for a list of participants in the third party verification program:

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 (Item 8) and Electrical Consumption (Item 8) 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

ROT 030.1

12/19 Rev 3 This form was developed by the Compressed Air and Gas Institute for the use of its members participating in the PVP. CAGI has not independently verified the reported data



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2	Model Number: GA110VSD+	Date:	11/30/2020				
	X Air-cooled Water-cooled	Type:	Screw				
		# of Stages:	1				
3	Full Load Operating Pressure ^b	138	psig ^b				
4	Drive Motor Nominal Rating	150	hp				
5	Drive Motor Nominal Efficiency	96	percent				
6	Fan Motor Nominal Rating (if applicable)	5.1	hp				
7	Fan Motor Nominal Efficiency	76	percent				
	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d				
	131.1 Max	654.2	20.0				
Out	112.2	568.5	19.7				
8*	86.7	446.1	19.4				
	53.6	265.6	20.2				
	33.1	148.9	22.2				
	28.9 Mir	124.4	23.2				
9*	Total Package Input Power at Zero Flow ^{c, d}	1.1	kW				
10	Isentropic Effeciency	80.03	%				
11	Note: Graph is only Note: Y-Axis Scale, 10 to	200.025.0250.0275.0800.025.0850.0875.0400.0 Capacity (ACFM) a visual representation of the data in Se 35, + 5kW/100acfm increments if necessale, 0 to 25% over maximum capacity	0425.0450.0475.0500.0525.0550.0575.0600.0625.0650.0675.0700.0 ection 8 ary above 35				

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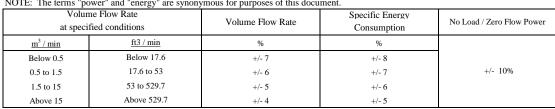
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	X Air-cooled Water-cooled	Type:	Screw			
		# of Stages:	1			
3	Full Load Operating Pressure ^b	181	psig ^b			
4	Drive Motor Nominal Rating	150	hp			
5	Drive Motor Nominal Efficiency	96	percent			
6	Fan Motor Nominal Rating (if applicable)	5.1	hp			
7	Fan Motor Nominal Efficiency	76	percent			
	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d			
	131.1 Max	568.0	23.1			
0.1	120.4	528.1	22.8			
8*	100.7	441.6	22.8			
	62.7	263.8	23.8			
	44.3	175.5	25.2			
	39.0 Min	149.8	26.0			
9*	Total Package Input Power at Zero Flow ^{c, d}	1.1	kW			
10	Isentropic Effeciency	78.23	%			
11	Note: Graph is only a Note: Y-Axis Scale, 10 to 3	75.0200.0225.0250.0275.0300.0325.0350 Capacity (ACFM) visual representation of the data in Sec 5, + 5kW/100acfm increments if necessa e, 0 to 25% over maximum capacity	0.0375.0400.0425.0450.0475.0500.0525.0550.0575.0600.0 ction 8 ry above 35			

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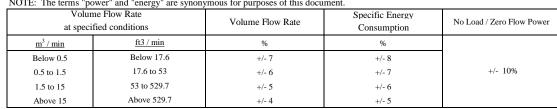
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