

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					
	Model Number: GA22VSDS-150 C9	Date:	11/11/2021			
2	X Air-cooled 0 Water-cooled	Type:	Screw			
		# of Stages:	1			
3	Full Load Operating Pressure ^b	58	psig ^b			
4	Drive Motor Nominal Rating	30	hp			
5	Drive Motor Nominal Efficiency	94.2	percent			
6	Fan Motor Nominal Rating (if applicable)	0.0	hp			
7	Fan Motor Nominal Efficiency	60	percent			
	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d			
	24.0 Ma	x 178.9	13.4			
	19.0	144.6	13.1			
8*	15.8	121.8	13.0			
	13.0	100.1	12.9			
	7.4	55.9	13.3			
	4.7 Mi	n 33.7	14.0			
9*	Total Package Input Power at Zero Flow ^{c, d}	0.0	kW			
10	Isentropic Effeciency	73.49	%			
11	Note: Y-Axis Scale, 10 to	75.0 100.0 Capacity (ACFM) a visual representation of the data in Sec 35, + 5kW/100acfm increments if necessar ale, 0 to 25% over maximum capacity				

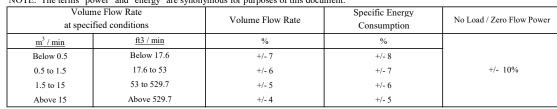
^{*}For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator. Consult CAGI website for a list of participants in the third party verification program:

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.



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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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Rotary Compressor: Variable Frequency Drive

	MODEL D	OATA -	FOR CO	IPRESS	ED AIR			
1	Manufacturer: Atlas Copco							
	Model Number: GA22VSDS-150	C90		Date:		1	1/11/2021	
2	X Air-cooled 0 Water-coole	ed		Туре:	True		Screw	
		# of Stages:			1			
3	Full Load Operating Pressure ^b		102			psig ^b		
4	Drive Motor Nominal Rating		30			hp		
5	Drive Motor Nominal Efficiency		94.2			percent		
6	Fan Motor Nominal Rating (if applicabl	le)	0.0			hp		
7	Fan Motor Nominal Efficiency		60			percent		
	Input Power (kW)		Capacity (a	cfm) ^{a,d}	Sp	Specific Power (kW/100 acfm) ^d		
	29.1	Max	176.4	ļ		16.5		
0.4	23.4		142.3	}		16.4		
8*	19.7		119.7	'		16.5		
	16.4		98.4			16.6		
	9.7		55.5			17.5		
	6.4 Min		34.3			18.5		
9*	Total Package Input Power at Zero Flow ^{c, d}		0.0			kW		
10	Isentropic Effeciency		80.83				%	
11	35.0 30.0 30.0 25.0 20.0 15.0 10.0 25.0	50.0	75.0 Capacity (ACFM)	100.0	125.0	150.0	175.0	200.0
	Note: Y-Axis Scale	is only a vis le, 10 to 35, +	Capacity (ACFM) sual representation 5kW/100acfm incr to 25% over maxin	ements if necess	ection 8 ary above 35			

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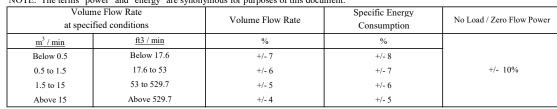
NOTES:

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.

Member

- 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.
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	MODEL D	ATA - FOR COMPRESSI	ED AIR
1	Manufacturer: Atlas Copco		
	Model Number: GA22VSDS-150	C90 Date:	11/10/2021
2	X Air-cooled 0 Water-coole	ed Type:	Screw
		# of Stages:	1
3	Full Load Operating Pressure ^b	145	psig ^b
4	Drive Motor Nominal Rating	30	hp
5	Drive Motor Nominal Efficiency	94.2	percent
6	Fan Motor Nominal Rating (if applicable	e) 0.0	hp
7	Fan Motor Nominal Efficiency	60	percent
	Input Power (kW)	Capacity (acfm) ^{a,d}	Specific Power (kW/100 acfm) ^d
	28.4	Max 139.6	20.4
	24.2	117.2	20.6
8*	20.3	96.2	21.1
	16.3	75.4	21.7
	12.3	54.6	22.6
	8.2	Min 34.3	23.9
9*	Total Package Input Power at Zero Flow	v ^{c, d} 0.0	kW
10	Isentropic Effeciency	76.65	%
11	Note: Y-Axis Scale	50.0 75.0 Capacity (ACFM) is only a visual representation of the data in Se 2, 10 to 35, + 5kW/100acfm increments if necessa Axis Scale, 0 to 25% over maximum capacity	

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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.

Member

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	NOTE: The terms "power" and "energy" are synony Volume Flow Rate at specified conditions		valume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
	m³/min	<u>ft3 / min</u>	%	%	
	Below 0.5	Below 17.6	+/- 7	+/- 8	
	0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	+/- 10%
	1.5 to 15	53 to 529.7	+/- 5	+/- 6	
L	Above 15	Above 529.7	+/- 4	+/- 5	



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