

## **COMPRESSOR DATA SHEET**

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

1 Ma	nufacturer:	Atlas Copco			
Мо	del Number:	GA30VSDS-150 C90	Date:	11/11/2021	
2	Air-cooled	<b>0</b> Water-cooled	Type:	Screw	
			# of Stages:		
3 F	ull Load Operating	a Pressure <sup>b</sup>	58	1 psig <sup>b</sup>	
	rive Motor Nomir		40	hp	
	rive Motor Nomin		95	percent	
		l Rating (if applicable)	0.0	hp	
	an Motor Nominal		60	percent	
	Input Power (kW)		Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>	
	33.8 Max		234.1	14.5	
	28.6		205.7	13.9	
8*	26.2		192.2	13.7	
	21.8		164.3	13.3	
	15.7		121.8	12.9	
	4.7	Min	33.7	14.1	
9* Т	otal Package Input	t Power at Zero Flow <sup>c, d</sup>	0.0	kW	
10 Is	entropic Effecienc	су	71.69	%	
11	35 30 25 25 20 30 20 30 20 30 20 30 20 30 20 30 30 20 30 30 20 30 30 30 20 30 30 20 30 30 30 25 30 30 30 30 30 30 30 30 30 30 30 30 30	.0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	5.0 100.0 125.0 Capacity (ACFM) isual representation of the data in S + 5kW100acfm increments if necess, 0 to 25% over maximum capacity		

#### **Rotary Compressor: Variable Frequency Drive**

Member

ROT 030.1

- 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.



NOTES:

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

as Institute	Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power			
	$\frac{m^3 / min}{m}$	<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				
	Above 15	Above 529.7	+/- 4	+/- 5				
form was developed	orm 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.							

12/19 Rev 3 This fo

d. Tolerance is specified in ISO 1217, Annex E, as shown in table below:



### **COMPRESSOR DATA SHEET**

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

1	Manufacturer:	Atlas Copco			
	Model Number: GA30VSDS-150 C90   X Air-cooled 0		Date: 11/11/2021		
2			Туре:	Screw	
			# of Stages:	1	
3	Full Load Operating	Pressure <sup>b</sup>	102	psig <sup>b</sup>	
4		rive Motor Nominal Rating		hp	
5	Drive Motor Nomina		95	percent	
6	Fan Motor Nominal	Rating (if applicable)	0.0	hp	
7	Fan Motor Nominal	Efficiency	60	percent	
	Input Po	Input Power (kW)		Specific Power (kW/100 acfm) <sup>d</sup>	
	40.2	Max	231.4	17.4	
0*	34.3	34.3		16.9	
8*	31.7	31.7		16.7	
	26.7		161.7	16.5	
	19.8		119.7	16.5	
	6.4	Min 34.3 18.7		18.7	
9*	Total Package Input	Power at Zero Flow <sup>c, d</sup>	0.0	kW	
10	Isentropic Effeciency	ý	80.00	%	
11	35.0 30.0 25.0 30.0 25.0 30.0 20.0 30.0 20.0 15.0 10.0	0.0 25.0 50.0 7	75.0 100.0 125.0 15 Capacity (ACFM) visual representation of the data in Sec , + 5 KW100acfm increments if necessar , 0 to 25% over maximum capacity		

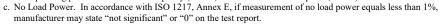
### **Rotary Compressor: Variable Frequency Drive**

d. Tolerance is specified in ISO 1217, Annex E, as shown in table below:

Consult CAGI website for a list of participants in the third party verification program:

NOTES: Member

- 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.





This for

ROT 030.1

12/19 Rev 3

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Institute	Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power		
	$\frac{m^3}{min}$	<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			
	Above 15	Above 529.7	+/- 4	+/- 5			
m 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.							

www.cagi.org



# **COMPRESSOR DATA SHEET**

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

1	Manufacturer:	Atlas Copco			
	Model Number:	GA30VSDS-150 C90	Date: 11/10/2021		
2	X Air-cooled	<b>0</b> Water-cooled	Type:	Screw	
			# of Stages:	1	
3	Full Load Operatin	g Pressure <sup>b</sup>	145	psig <sup>b</sup>	
4	Drive Motor Nomi		40	hp	
5	Drive Motor Nomi		95	percent	
6	Fan Motor Nomina	l Rating (if applicable)	0.0	hp	
7	Fan Motor Nomina	ll Efficiency	60	percent	
	Input	Input Power (kW)		Specific Power (kW/100 acfm) <sup>d</sup>	
	38.0	38.0 Max		20.4	
	36.5		179.6	20.4	
8*	32.4			20.4	
	24.5		117.1	20.9	
	16.7		73.4	22.7	
	8.4			24.5	
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>		0.0	kW	
10	Isentropic Effecien		77.34	%	
11	2 Specific Power (KW/100 ACEN) 5 2	5.0			
		0.0 25.0 50.0	75.0 100.0 Capacity (ACFM)	125.0 150.0 175.0	200.0
	Note: Graph is only a visual representation of the data in Section 8 Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35 X-Axis Scale, 0 to 25% over maximum capacity				

#### **Rotary Compressor: Variable Frequency Drive**

Member

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%,



ROT 030.1

NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

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:

s Institute	Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power		
	m <sup>3</sup> /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			
	Above 15	Above 529.7	+/- 4	+/- 5			
rm 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.							

12/19 Rev 3 This for