COMPRESSOR DATA SHEET

In Accordance with Federal Uniform Test Method for Certain Lubricated Air Compressors Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR							
1	Manufacturer: Atlas Copco						
	Model Number: G90-7.5	Date:	05-15-2024				
2	✓ Air-cooled	Type:	Screw				
		# of Stages:	1				
3*	Rated Capacity at Full Load Operating Pressure*(a,e)	640.6	(acfm) *(a,e)				
4*	Full Load Operating Pressure*(b)	108.8	psig*(b)				
5	Maximum Full Flow Operating Pressure*(c)	108.8	psig*(c)				
6	Drive Motor Nominal Rating	120.7	hp				
7	Drive Motor Nominal Efficiency	95.0	percent				
8	Fan Motor Nominal Rating (if applicable)	4.0	hp				
9	Fan Motor Nominal Efficiency	89.5	percent				
10*	Total Package Input Power at Zero Flow*(e)	26.9	kW*(e)				
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure*(d)	111.0	kW*(d)				
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure*(e)	17.3	kW/100 cfm*(e)				
13	Isentropic Efficiency	80.3	Percent				

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

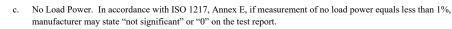
www.cagi.org

Notes:

 Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.

Member

b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) were measured for this data sheet.



- d. Total package input power at other than reported operating points will vary with control strategy.
- e 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.

1 87 7 7 1 1							
Volume	Flow Rate		Specific Energy	No Load / Zero			
at specified conditions		Volume Flow Rate	Consumption	Flow Power			
<u>m3 / min</u>	<u>ft3 / min</u>	%	%				
Below 0.5	Below 15	+/- 7	+/- 8				
0.5 to 1.5	15 to 50	+/- 6	+/- 7	+/- 10			
1.5 to 15	50 to 500	+/- 5	+/- 6				
Above 15	Above 500	+/- 4	+/- 5				

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This form was developed by the Compressed Air and Gas Institute for the use of its members. CAGI has not independently verified the reported data.

^{*}For models that are tested in the CAGI Performance Verification Program, these items are verified by program administrator