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		
2	Model Number: GA 250 W-13.8 FF ☐ Air-cooled ☑ Water-cooled	Date: Type: # of Stages:	07-27-2020 Screw 1
3*	Rated Capacity at Full Load Operating Pressure*(a,e)	1,117.2	(acfm) *(a,e)
4*	Full Load Operating Pressure*(b)	185.0	psig*(b)
5	Maximum Full Flow Operating Pressure*(c)	185.6	psig*(c)
6	Drive Motor Nominal Rating	300.0	hp
7	Drive Motor Nominal Efficiency	96.2	percent
8	Fan Motor Nominal Rating (if applicable)	0.5	hp
9	Fan Motor Nominal Efficiency	30.0	percent
10*	Total Package Input Power at Zero Flow*(e)	42.5	kW*(e)
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure*(d)	259.7	kW*(d)
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure*(e)	23.2	kW/100 cfm*(e)
13	Isentropic Efficiency	79.2	Percent

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

Consult CAGI website for a list of participants in the third party verification program: www.cagi.org

Notes:

a. 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.

b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) 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. 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.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
m3 / min	ft3 / min	%	%	
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	

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. CAGI has not independently verified the reported data.