

COMPRESSOR DATA SHEET

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

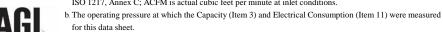
MODEL DATA - FOR COMPRESSED AIR							
1 Manufacturer: Ingersoll Rand							
	Model Number RS30i-A110	Date:	4/13/2020				
2	X Air-cooled Water-cooled	Type:	Screw				
		# of Stages:	1				
3*	Rated Capacity at Full Load Operating Pressure a, e	196.0	acfm ^{a, e}				
4*	Full Load Operating Pressure ^b	100	psig ^b				
5	Maximum Full Flow Operating Pressure ^c	110	psig ^c				
6	Drive Motor Nominal Rating	40	hp				
7	Drive Motor Nominal Efficiency	94.1	percent				
8	Fan Motor Nominal Rating (if applicable)	1.5	hp				
9	Fan Motor Nominal Efficiency	87.5	percent				
10*	Total Package Input Power at Zero Flow ^e	11.6	kW ^e				
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	36.63	kW ^d				
12*	Package Specific Power at Rated Capacity and Full Load Operating Pressure ^e	18.69	kW/100 cfm ^e				
13	Isentropic Efficiency	71.1	Percent				

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

 $Consult\ CAGI\ website\ for\ a\ list\ of\ participants\ in\ the\ third\ party\ verification\ program: \underline{www.cagi.org}$

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.



- c. Maximum pressure attainable at full flow, usually the unload pressure setting for load/no load control or the maximum pressure attainable before capacity control begins. May require additional power.
- $d. \\ Total package input power at other than reported operating points will vary with control strategy.$
- e. Tolerance is specified in ISO 1217, Annex C, as shown in table below:

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

Volume Flow Rate at specifiend conditions		Volume Flow Rate	Specific Energy Consumption	Flow Power
m³/min	ft ³ / min	%	%	%
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	1, 10,0
Above 15	Above 529.7	+/- 4	+/- 5	

ROT 030.1

Member

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