

COMPRESSOR DATA SHEET

Rotary Screw Compressor

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer:	Kaesar Compressors, Inc.		
2	Model Number:	DSD 150 - 125 psig / 460V/3ph/60Hz		Date: 03/23/11
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled <input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free	# of Stages:	1	
3*	Rated Capacity at Full Load Operating Pressure ^{a, f}	671	acfm ^{a, f}	
4	Full Load Operating Pressure ^b	115	psig ^b	
5	Maximum Full Flow Operating Pressure ^c	125	psig ^c	
6	Drive Motor Nameplate Rating	150	hp	
7	Drive Motor Nameplate Nominal Efficiency	95.8	percent	
8	Fan Motor Nameplate Rating (if applicable)	3.2	hp	
9	Fan Motor Nameplate Nominal Efficiency	76	percent	
10*	Total Package Input Power at Zero Flow ^e	30	kW ^e	
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	120.2	kW ^d	
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure ^g	17.9	kW/100 cfm ^g	

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

NOTES:

Member:



- 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. 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, f, g. Tolerance is specified in ISO 1217, Annex C, as shown in table below:

Volume Flow Rate at specified conditions		Volume Flow Rate ^f	Specific Energy ^g Consumption	No Load / Zero Flow Power ^e
m^3 / min	ft^3 / min	%	%	
Below 0.5	Below 15	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	15 to 50	+/- 6	+/- 7	
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.