

COMPRESSOR DATA SHEET
Rotary Screw Compressor

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Kaeser Compressors, Inc.		
2	Model Number: CSD 100S - 175 psig		# of Stages: 1
	<input checked="" type="checkbox"/> Air-cooled	<input type="checkbox"/> Water-cooled	
	<input checked="" type="checkbox"/> Oil-injected	<input type="checkbox"/> Oil-free	UNIT
3	Rated Capacity at Full Load Operating Pressure ^a	348	acfm ^a
4	Full Load Operating Pressure ^b	165	psig ^b
5	Maximum Full Flow Operating Pressure ^c	175	psig ^c
6	Drive Motor Nameplate Rating	100	hp
7	Drive Motor Nameplate Efficiency	93.6	percent
8	Fan Motor Nameplate Rating (if applicable)	1.6	hp
9	Fan Motor Nameplate Efficiency	75	percent
10	Total Package Power Input at Rated Capacity and Full Load Operating Pressure ^d	79.6	kW ^d
11	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure	22.9	kW/100 cfm

NOTES:

- Measured at the discharge terminal point of the compressor package in accordance with the CAGI/PNEUROP PN2CPTC2 Test Code (Annex C to ISO 1217); acfm is actual cubic feet per minute at inlet conditions.
- The operating pressure at which the Capacity (item 3) and Electrical Consumption (item 10) were measured for this data sheet.
- 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.
- Total package input power at other than reported operating points will vary with control strategy.

Member:



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.