

COMPRESSOR DATA SHEET
Rotary Screw Compressor

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: Kaeser Compressors, Inc.		
2	Model Number: ESD 250 - 110 psig	# of Stages: 1	
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled	VALUE	UNIT
	<input checked="" type="checkbox"/> Oil-injected <input type="checkbox"/> Oil-free		
3	Rated Capacity at Full Load Operating Pressure ^a	1298	acfm ^a
4	Full Load Operating Pressure ^b	100	psig ^b
5	Maximum Full Flow Operating Pressure ^c	110	psig ^c
6	Drive Motor Nameplate Rating	250	hp
7	Drive Motor Nameplate Efficiency	95.5	percent
8	Fan Motor Nameplate Rating (if applicable)	3.5 / 7	hp
9	Fan Motor Nameplate Efficiency	76	percent
10	Total Package Power Input at Rated Capacity and Full Load Operating Pressure ^d	216.18	kW ^d
11	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure	16.7	kW/100 cfm

NOTES:

- Measured at the discharge terminal point of the compressor package in accordance with the CAGI/PNEUROPN2CPTC2 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.