

**COMPRESSOR DATA SHEET**  
**Rotary Screw Compressor**

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: <b>Kaeser Compressors, Inc.</b>		
2	Model Number: <b>ESD 250 - 190 psig</b>	# of Stages: <b>1</b>	
	<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 <sup>a</sup>	<b>866</b>	acfm <sup>a</sup>
4	Full Load Operating Pressure <sup>b</sup>	<b>180</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>190</b>	psig <sup>c</sup>
6	Drive Motor Nameplate Rating	<b>250</b>	hp
7	Drive Motor Nameplate Efficiency	<b>95.5</b>	percent
8	Fan Motor Nameplate Rating (if applicable)	<b>3.5 / 7</b>	hp
9	Fan Motor Nameplate Efficiency	<b>76</b>	percent
10	Total Package Power Input at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>196.29</b>	kW <sup>d</sup>
11	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure	<b>22.7</b>	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.