



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

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: <b>Sullair</b>		
2	Model Number: <b>ES8-30XH</b>  <input checked="" type="checkbox"/> Air-cooled Water-cooled  <input checked="" type="checkbox"/> Oil-injected  Oil-free	# of Stages: <b>1</b>	VALUE      UNIT
3	Rated Capacity at Full Load Operating Pressure <sup>a, e</sup>	<b>92</b>	acfm <sup>a, e</sup>
4	Full Load Operating Pressure <sup>b</sup>	<b>175</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>175</b>	psig <sup>c</sup>
6	Drive Motor Nameplate Rating	<b>30</b>	hp
7	Drive Motor Nameplate Nominal Efficiency	<b>93.6%</b>	percent
8	Fan Motor Nameplate Rating (if applicable)	-	hp
9	Fan Motor Nameplate Nominal Efficiency	-	percent
10	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>27.5</b>	kW <sup>d</sup>
11	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>f</sup>	<b>29.89</b>	kW/100 cfm <sup>f</sup>

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.
- f. Tolerance is specified in the CAGI/PNEUROP PN2CPTC2 Test Code (Annex C to ISO 1217) as follows:

Member	Volume Flow Rate at specified conditions		Volume Flow Rate <sup>e</sup>	Specific Energy Consumption <sup>f</sup>
	<u>m<sup>3</sup> / min</u>	<u>ft<sup>3</sup> / min</u>	%	%
	Below 0.5	Below 15	+/- 7	+/- 8
	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.