

COMPRESSOR DATA SHEET
Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: Sullair Corp		
2	Model Number: 1812eV		Date: January 1, 2009
	X Air-cooled	Water-cooled	
	X Oil-injected	Oil-free	# of Stages: 1
3	Full Load Operating Pressure	175	psig ^b
4	Maximum Full Flow Operating Pressure	175	psig ^c
5	Drive Motor Nameplate Rating	25	hp
6	Drive Motor Nameplate Efficiency	93	percent
7	Fan Motor Nameplate Rating (if applicable)	1	hp
8	Fan Motor Nameplate Efficiency	82.5	percent
9	Input Power (kW)	Capacity (acfm) ^{a,e}	Specific Power (kW/100 acfm) ^e
	24.0	81.3	29.52
	20.6	69.1	29.85
	17.3	56.9	30.31
	13.9	44.7	31.03
	10.5	32.5	32.29
	7.1	20.3	35.06
10	Total Package Input Power at Zero Flow ^d	0.0	kW
11	<p align="center">Note: Graph is only a visual representation of the data in Section 9</p>		

NOTES:

- Measured at the discharge terminal point of the compressor package in accordance with Annex E to ISO 1217; acfm is actual cubic feet per minute at inlet conditions.
- The operating pressure at which the Capacity and Electrical Consumption 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.
- No Load Power. In accordance with ISO 1217, Annex E, if measurement of no load power equals less than 1%, manufacturer may state "not significant" or "0" on the test report.
- Tolerance is specified in Annex E to ISO 1217 as follows:
 NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Member:



Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy
<u>m³ / min</u>	<u>ft³ / 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