COMPRESSOR DATA SHEET

Rotary Screw Variable Frequency Drive Compressor

MODEL DATA - FOR COMPRESSED AIR

1	Manufacturer: **Sullair Corp**		
2	Model Number: **4509V**		Date: January 1, 2009
	X Air-cooled Water-cooled		
	X Oil-injected Oil-free	# of Stages:	**1**
3	Full Load Operating Pressure	**125**	psig[b]
4	Maximum Full Flow Operating Pressure	**125**	psig[c]
5	Drive Motor Nameplate Rating	**60**	hp
6	Drive Motor Nameplate Efficiency	**95**	percent
7	Fan Motor Nameplate Rating (if applicable)	**2**	hp
8	Fan Motor Nameplate Efficiency	**84**	percent

9	Input Power (kW)	Capacity (acfm)[a,e]	Specific Power (kW/100 acfm)[e]
	54.9	**260.0**	**21.12**
	47.2	**221.0**	**21.35**
	39.5	**182.0**	**21.68**
	31.7	**143.0**	**22.19**
	24.0	**104.0**	**23.09**
	16.3	**65.0**	**25.08**

10	Total Package Input Power at Zero Flow[d]	**0.0**	kW

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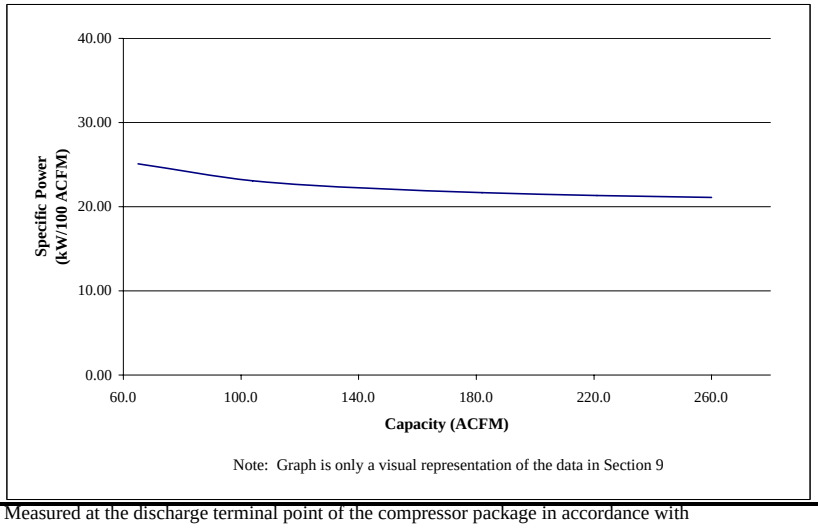

Note: Graph is only a visual representation of the data in Section 9

NOTES:

a. 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.
b. The operating pressure at which the Capacity and Electrical Consumption were measured for this data sheet.
c. 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.
d. 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.
e. Tolerance is specified in Annex E to ISO 1217 as follows:
NOTE: The terms "power" and "energy" are synonymous for purposes of this document

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Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy
m^3 / min	ft^3 / min	%	%
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