

COMPRESSOR DATA SHEET

In Accordance With Federal Uniform Test Method for Certain Lubricated Air Compressors **Rotary Compressor: Variable Frequency Drive**

Drive Mot Drive Mot Fan Motor	Air-cooled Oil-injected erating Pressurtor Nominal Retor Nominal Error Nominal Error Nominal Eff Input Por 111.0 94.9 79.5 66.4	re Lating Efficiency Ling (if applicable)	90	Date: Type: # of Stages: 125 125 96.5 3.0 / 2.0 84 / 83 Capacity (acfm) ^{a,d} 601.1 520.6 424.3 348.4	03/07/23 Screw 2 psig ^b hp percent hp percent Specific Power (kW/100 acfm) ^d 18.46 18.23 18.73 19.07
X Rated Ope Drive Mot Drive Mot Fan Motor	Air-cooled Oil-injected erating Pressurtor Nominal Retor Nominal Error Nominal Error Nominal Eff Input Por 111.0 94.9 79.5 66.4	Water-coole Oil-free re Lating Officiency ting (if applicable)	ed	Type: # of Stages: 125 125 96.5 3.0 / 2.0 84 / 83 Capacity (acfm) ^{a,d} 601.1 520.6 424.3	Screw 2 psigbh hp percent hp percent Specific Power (kW/100 acfm)dh 18.46 18.23 18.73
Rated Ope Drive Mot Drive Mot Fan Motor	Oil-injected erating Pressurtor Nominal Rator Nominal Erronominal Eff Input Por 111.0 94.9 79.5 66.4	Oil-free re tating Officiency ting (if applicable)		# of Stages: 125 96.5 3.0 / 2.0 84 / 83 Capacity (acfm) ^{a,d} 601.1 520.6 424.3	2 psig ^b hp percent hp percent Specific Power (kW/100 acfm) ^d 18.46 18.23 18.73
Rated Ope Drive Mot Drive Mot Fan Motor	erating Pressultor Nominal Rater Nominal Err Nominal Eff Input Por 111.0 94.9 79.5 66.4	re Eating Efficiency Eting (if applicable) Totioncy	Max	125 125 96.5 3.0 / 2.0 84 / 83 Capacity (acfm) ^{a,d} 601.1 520.6 424.3	psig ^b hp percent hp percent Specific Power (kW/100 acfm) ^d 18.46 18.23 18.73
Drive Mot Drive Mot Fan Motor	tor Nominal R tor Nominal E r Nominal Eff r Nominal Eff Input Por 111.0 94.9 79.5 66.4	Eating Efficiency Eting (if applicable) Eciency	Max	125 96.5 3.0 / 2.0 84 / 83 Capacity (acfm) ^{a,d} 601.1 520.6 424.3	hp percent hp percent Specific Power (kW/100 acfm) ^d 18.46 18.23 18.73
Drive Mot	tor Nominal E r Nominal Rat r Nominal Eff Input Por 111.0 94.9 79.5 66.4	ifficiency ting (if applicable)	Max	96.5 3.0 / 2.0 84 / 83 Capacity (acfm) ^{a,d} 601.1 520.6 424.3	percent hp percent Specific Power (kW/100 acfm) ^d 18.46 18.23 18.73
Fan Motor	r Nominal Rat r Nominal Eff Input Por 111.0 94.9 79.5 66.4	ting (if applicable)	Max	3.0 / 2.0 84 / 83 Capacity (acfm) ^{a,d} 601.1 520.6 424.3	hp percent Specific Power (kW/100 acfm) ^d 18.46 18.23 18.73
	Input Por 111.0 94.9 79.5 66.4	iciency	Max	84 / 83 Capacity (acfm) ^{a,d} 601.1 520.6 424.3	percent Specific Power (kW/100 acfm) ^d 18.46 18.23 18.73
Fan Motor	Input Por 111.0 94.9 79.5 66.4	-	Max	Capacity (acfm) ^{a,d} 601.1 520.6 424.3	Specific Power (kW/100 acfm) ^d 18.46 18.23 18.73
	111.0 94.9 79.5 66.4	wer (kW)	Max	601.1 520.6 424.3	(kW/100 acfm) ^d 18.46 18.23 18.73
	94.9 79.5 66.4		Max	520.6 424.3	18.23 18.73
	79.5 66.4			424.3	18.73
	66.4			<u> </u>	
				348.4	10.07
	52.2				19.07
	52.2			268.4	19.45
38.2 Mii			Min	185.9	20.58
Total Package Input Power at Zero Flow ^{c, d}			14.1	kW	
Isentropic Efficiency				81.4	Percent
	25.00 — 25.00 (KAN) 20.00 — 20	100 200	-	ity (ACFM)	600 700
		Specific Power (KW/100 ACFM) 15.00 —	20.00 200 10.00 200 Note: Graph is only a	15.00 100 200 300 Capace Note: Graph is only a visual re	Specific Power (KW/100 ACFM) 10.00

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator Consult CAGI website for a list of participants in the third party verification program: www.cagi.org



- a. Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex E; ACFM is actual cubic feet per minute at inlet conditions.
- b. The operating pressure at which the Capacity (Item 8) and Electrical Consumption (Item 8) were measured for this data sheet. c. 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.
- d. Tolerance is specified in ISO 1217, Annex E, as shown in table below: NOTE: The terms "power" and "energy" are synonymous for purposes of this document.

Member

Volume Flow Rate			Specific Energy	
at specified conditions		Volume Flow Rate	Consumption	No Load / Zero Flow Power
m³/min	ft³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	+/- 10%
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	

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