

COMPRESSOR DATA SHEET

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

X Oi Rated Operatin Drive Motor N Drive Motor N Fan Motor Notor Fan Motor Notor	r: r-cooled l-injected ng Pressure Jominal Rationinal Rationinal Rationinal Effic	ting ficiency ng (if applicable)	SD 185		Date: 04/25/23 Type: Screw ages: 2 psigb hp
Ai X Oi Rated Operatin Drive Motor No Tan Motor No Fan Motor No	r-cooled 1-injected ng Pressure Iominal Ra Iominal Effic minal Effic	X Water-co Oil-free ting Ciciency ng (if applicable)		# of Sta	Type: Screw ages: 2 psig ^b
X Oi Rated Operatin Drive Motor N Drive Motor N Fan Motor Notor Fan Motor Notor	l-injected ng Pressure Jominal Ra Jominal Eff minal Ratir minal Effic	Oil-free ting ciciency ng (if applicable)	ooled	# of Sta	ges: 2 psig ^b
Rated Operatin Drive Motor N Drive Motor No Fan Motor No Fan Motor No	ng Pressure Iominal Ra Iominal Effi minal Effic	ting ficiency ng (if applicable)		175	psig ^b
Drive Motor N Drive Motor No Fan Motor No Fan Motor No	Jominal Rationinal Efficients	ting ficiency ng (if applicable)			
Drive Motor No Fan Motor No Fan Motor No	Iominal Eff minal Ratir minal Effic	ficiency ng (if applicable)		250	hn
Fan Motor No Fan Motor No	minal Ratir	ng (if applicable)			пр
Fan Motor No	minal Effic		Drive Motor Nominal Efficiency		
			Fan Motor Nominal Rating (if applicable)		
20	I D	Fan Motor Nominal Efficiency			percent
20	Input Power (kW)			Capacity (acfm	Specific Power $(kW/100 \text{ acfm})^d$
	204.5			960.9	21.28
17	177.3			825.7	21.48
14	149.4			690.8	21.63
123.2				555.9	22.17
99.1				421.0	23.55
71.1 Mi				286.0	24.86
Total Package Input Power at Zero Flow ^{c, d}			24.3	kW	
Isentropic Efficiency			84.1	Percent	
Specific Power	25.00 V(KM)100 V(EM)	Note: Graph is o	Capacity only a visual rep 10 to 35, + 5kW/1	resentation of the data in 00acfm increments if nece	ı Section 8
		10.00	10.00 0 100 200 : Note: Graph is Note: Y-Axis Scale,	10.00 0 100 200 300 400 Capacity Note: Graph is only a visual rep Note: Y-Axis Scale, 10 to 35, + 5kW/1	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

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Volume Flow Rate			Specific Energy	
at specified conditions		Volume Flow Rate	Consumption	No Load / Zero Flow Power
m ³ / min	ft ³ / min	%	%	%
Below 0.5	Below 17.6	+/- 7	+/- 8	+/- 10%
0.5 to 1.5	17.6 to 53	+/- 6	+/- 7	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	
Above 15	Above 529.7	+/- 4	+/- 5	

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