Gardner

COMPRESSOR DATA SHEET

Federal Uniform Test Method for Certain Air Compressors Not Applicable Compressors Variable Frequency Drive

	FOR COMPRES	SED AIR	
Manufacturer: Gardner Denver			
Model Number TVS200-W155 (NA	-IP23)	Date:	June 2024
Air-cooled X Water-cooled	Type:	Screw	
Oil Injected X Oil-Free	# of Stages:	2	
Full Load Operating Pressure ^b	125	psig ^b	
Drive Motor Nominal Rating	268	hp	
Drive Motor Nominal Efficiency	95.2%	percent	
Fan Motor Nominal Rating (if applicable)	2.4	hp	
Fan Motor Nominal Efficiency	82.5%	percent	
Input Power (kW)	Capacity (acfm) a,d	Specific Power (kW/100 acfm) ^d	
218.7	Max	1178	18.56
8* 191.3 165.7		1033	18.53
		884	18.74
141.4		733	19.30
118.2		579	20.42
95.9 Min		423	22.65
Total Package Input Power at Zero Flow ^{c, d}		0.0	kW
35.00			
30.00			
VCEM)			
(kW/100) (kW/100) (kW/100)			
15.00			
10.00 0 200 400 600	800 1000	1200 1400 1600	0 1800 2000
	Capacity (ACF		
	Model Number TVS200-W155 (NA Air-cooled Air-cooled Valuer-cooled Valuer-cool	Model Number TVS200-W155 (NA-IP23) Air-cooled X Water-cooled Oil Injected X Oil-Free Full Load Operating Pressure Drive Motor Nominal Rating Drive Motor Nominal Efficiency Fan Motor Nominal Efficiency Input Power (kW) 218.7 Max 191.3 165.7 141.4 118.2 95.9 Min Total Package Input Power at Zero Flow ^{c, d}	Model Number TVS200-W155 (NA-IP23) Date: Air-cooled X Water-cooled Type: Oil Injected X Oil-Free # of Stages: Full Load Operating Pressure 125 Drive Motor Nominal Rating 268 Drive Motor Nominal Efficiency 95.2% Fan Motor Nominal Rating (if applicable) 2.4 Fan Motor Nominal Efficiency 82.5% Input Power (kW) Capacity (acfm) a.d 218.7 Max 1178 191.3 1033 165.7 884 141.4 733 118.2 579 95.9 Min 423 Total Package Input Power at Zero Flow 0.0 15.00 10.00 Total Package Input Power at Zero Flow 0.0 Tota

^{*} For models that are tested in the CAGI Performance verification Program, these items are verified by program administrator

Consult CAGI website for a list of participants in the third party verification program:

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.

X-Axis Scale, 0 to 25% over maximum capacity

- $b. \ \ The \ operating \ pressure \ at \ which \ the \ Capacity \ and \ Electrical \ Consumption \ were \ measured \ for \ this \ data \ sheet.$
- 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 "nower" and "energy" are synonymous for purposes of this document

NOTE. The terms power	NOTE. The terms power and energy are synonymous for purposes of this document					
Volume : at specified	flow rate conditions	Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power		
m ³ /min	ft ³ /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			

Member

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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