Gardner

COMPRESSOR DATA SHEET

Federal Uniform Test Method for Certain Air Compressors Not Applicable

Compressors Variable Frequency Drive

Model I	cturer: Ga Number											
Air	Number	TV										
\blacksquare		TVS250-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								100			psig ^b	
Drive Motor Nominal Rating							335			hp		
Drive Motor Nominal Efficiency							95.6%			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/10 acfm) ^d			
	263.7 Ma							1527			17.27	
	223.3						1326			16.84		
	186.0						1117		16.64			
151.4							902		16.78			
119.0							681		17.48			
88.6 Mir							455			19.46		
Total Package Input Power at Zero Flow ^{c, d}							0.0			kW		
	35.00											
	30.00											
Power	25.00											
Specific (kW/100	20.00		_									
	15.00											
	10.00	200	400	600	800 Con	1000	1200	1400	1600	1800	2000	
	Drive M Fan Mo	Total Package Inp 35.00 30.00 25.00 15.00 10.00	Drive Motor Nominal Efficiency Fan Motor Nominal Rating Fan Motor Nominal Efficiency Input 263.7 223.3 186.0 151.4 119.0 88.6 Total Package Input Power 35.00 30.00 15.00 15.00 10.00 0 200 Not	Drive Motor Nominal Efficiency Fan Motor Nominal Rating (if applied Fan Motor Nominal Efficiency Input Power (1998) 263.7 223.3 186.0 151.4 119.0 88.6 Total Package Input Power at Zero Input Power	Drive Motor Nominal Efficiency Fan Motor Nominal Rating (if applicable) Fan Motor Nominal Efficiency Input Power (kW) 263.7 223.3 186.0 151.4 119.0 88.6 Total Package Input Power at Zero Flow ^{c, d} 35.00 30.00 30.00 Note: Graph is only a Note: Y-axis scale 10 to 35,	Drive Motor Nominal Efficiency Fan Motor Nominal Rating (if applicable) Fan Motor Nominal Efficiency Input Power (kW) 263.7 223.3 186.0 151.4 119.0 88.6 Total Package Input Power at Zero Flow ^{c, d} 35.00 30.00 30.00 15.00 10.00 20.00 400 600 800 Cap Note: Graph is only a visual repr. Note: Y-axis scale 10 to 35, +5kW/10	Drive Motor Nominal Efficiency Fan Motor Nominal Efficiency Input Power (kW) 263.7 Max 223.3 186.0 151.4 119.0 88.6 Min Total Package Input Power at Zero Flow ^{c, d} 35.00 30.00 15.00 15.00 Capacity (ACI Note: Graph is only a visual representation Note: Y-axis scale 10 to 35, +5kW/100acfm incree	Drive Motor Nominal Efficiency Fan Motor Nominal Efficiency Capa	Drive Motor Nominal Efficiency 95.6%	Drive Motor Nominal Efficiency	Drive Motor Nominal Efficiency	

^{*} 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.

- $b. \ \ The \ operating \ pressure \ at \ which \ the \ Capacity \ and \ Electrical \ Consumption \ were \ measured \ for \ this \ data \ sheet.$
- 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 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

ROT 031.2

12/19 R3

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