

**COMPRESSOR DATA SHEET**
**Federal Uniform Test Method for Certain Air Compressors Not Applicable**
**Rotary Compressor: Variable Frequency Drive**

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: <b>Gardner Denver</b>		
2	Model Number	<b>TVS74</b>	Date: <b>07/12/21</b>
	<input type="checkbox"/> Air-cooled <input checked="" type="checkbox"/> Water-cooled		Type: <b>Screw</b>
	<input type="checkbox"/> Lubricated <input checked="" type="checkbox"/> Oil-Free		# of Stages: <b>2</b>
3*	Full Load Operating Pressure <sup>b</sup>	<b>100</b>	psig <sup>b</sup>
4	Drive Motor Nominal Rating	<b>100</b>	hp
5	Drive Motor Nominal Efficiency	<b>95.2</b>	percent
6	Fan Motor Nominal Rating (if applicable)	<b>0.5</b>	hp
7	Fan Motor Nominal Efficiency	<b>70.0</b>	percent
8*	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	<b>89.4</b>	<b>435</b>	<b>20.55</b>
	<b>80.0</b>	<b>388</b>	<b>20.62</b>
	<b>70.2</b>	<b>341</b>	<b>20.60</b>
	<b>60.7</b>	<b>294</b>	<b>20.68</b>
	<b>51.3</b>	<b>246</b>	<b>20.83</b>
9*	Total Package Input Power at Zero Flow <sup>c,d</sup>	<b>0.0</b>	kW
	<div style="text-align: center;"> <p><b>Note: Graph is only a visual representation of the data in Section 8</b>            Note: Y-Axis Scale, 10 to 35, + 5kW/100acfm increments if necessary above 35            X-Axis Scale, 0 to 25% over maximum capacity</p> </div>		
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\*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](http://www.cagi.org)



Member

- 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.
- The operating pressure at which the Capacity (Item 8) and Electrical Consumption (Item 8) were measured for this data sheet.
- 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.
- 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.

Volume Flow Rate at specified conditions		Volume Flow Rate	Specific Energy Consumption	No Load / Zero Flow Power
$\text{m}^3/\text{min}$	$\text{ft}^3/\text{min}$	%	%	%
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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