

**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>Ultima U90-145psi</b>		Date: <b>05/11/21</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>60</b>	hp
5	Drive Motor Nominal Efficiency	<b>97.0</b>	percent
6	Fan Motor Nominal Rating (if applicable)	<b>0.78</b>	hp
7	Fan Motor Nominal Efficiency	<b>87.9</b>	percent
8*	Input Power (kW)	Capacity (acfm) <sup>a,d</sup>	Specific Power (kW/100 acfm) <sup>d</sup>
	99.20	<b>568.1</b>	<b>17.46</b>
	88.55	<b>501.8</b>	<b>17.65</b>
	78.37	<b>435.5</b>	<b>18.00</b>
	68.64	<b>369.2</b>	<b>18.59</b>
	59.39	<b>302.9</b>	<b>19.61</b>
	50.52	<b>236.6</b>	<b>21.35</b>
9*	Total Package Input Power at Zero Flow <sup>c, d</sup>	<b>8.0</b>	kW
10	<p align="center"><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>		

\*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)



- 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 at specified 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	

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