



### COMPRESSOR DATA SHEET

Federal Uniform Test Method for Certain Air Compressors Not Applicable

Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: <b>Gardner Denver</b>		
2	Model Number	<b>PureAir T90</b>	Date: <b>March 2024</b>
	<input checked="" type="checkbox"/> Air-cooled <input type="checkbox"/> Water-cooled		Type: <b>Screw</b>
	<input type="checkbox"/> Oil Injected <input checked="" type="checkbox"/> Oil-Free		# of Stages: <b>2</b>
3*	Rated Capacity at Full Load Operating Pressure a, e	<b>631</b>	acfm <sup>a, e</sup>
4	Full Load Operating Pressure <sup>b</sup>	<b>100</b>	psig <sup>b</sup>
5	Maximum Full Flow Operating Pressure <sup>c</sup>	<b>110</b>	psig <sup>c</sup>
6	Drive Motor Nominal Rating	<b>125</b>	hp
7	Drive Motor Nominal Efficiency	<b>95.0%</b>	percent
8	Fan Motor Nominal Rating (if applicable)	<b>10.1</b>	hp
9	Fan Motor Nominal Efficiency	<b>92.1%</b>	percent
10*	Total Package Input Power at Zero Flow <sup>e</sup>	<b>21</b>	kW <sup>e</sup>
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>d</sup>	<b>109.4</b>	kW <sup>d</sup>
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure <sup>e</sup>	<b>17.34</b>	kW/100 cfm <sup>e</sup>

\* For models that are tested in the CAGI Performance Verification Program, these are the items verified by the third party program administrator.

Consult CAGI website for a list of participants in the third party verification program: [www.cagi.org](http://www.cagi.org)

NOTES:

Member:



- Measured at the discharge terminal point of the compressor package in accordance with ISO 1217, Annex C; ACFM is actual cubic feet per minute at inlet conditions.
- The operating pressure at which the Capacity (item 3) and Electrical Consumption (item 11) were measured for this data sheet.
- Maximum pressure attainable at full flow, usually the unload pressure setting for load/no load control or the maximum pressure attainable before capacity control begins. May require additional power
- Total package input power at other than reported operating points will vary with control strategy.
- Tolerance is specified in ISO 1217, Annex C, 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 <sup>f</sup>	Specific Energy <sup>g</sup> Consumption	No Load / Zero Flow Power <sup>e</sup>
$\text{m}^3 / \text{min}$	$\text{ft}^3 / \text{min}$	%	%	
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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