

COMPRESSOR DATA SHEET
Federal Uniform Test Method for Certain Air Compressors Not Applicable
Rotary Compressor: Fixed Speed

MODEL DATA - FOR COMPRESSED AIR			
1	Manufacturer: ELGi		
2	Model Number: OF275-145	Date:	07-11-2024
	<input type="checkbox"/> Air-cooled <input checked="" type="checkbox"/> Water-cooled	Type:	SCREW
	<input type="checkbox"/> Oil-injected <input checked="" type="checkbox"/> Oil-free	# of Stages:	2
3*	Rated Capacity at Full Load Operating Pressure ^{a,c}	1438	^{a,e} acfm
4	Full Load Operating Pressure ^b	145	psig ^b
5	Maximum Full Flow Operating Pressure ^c	148	psig ^c
6	Drive Motor Nominal Rating	400	hp
7	Drive Motor Nominal Efficiency	95.8	percent
8	Fan Motor Nominal Rating (if applicable)	NIL	hp
9	Fan Motor Nominal Efficiency	NA	percent
10*	Total Package Input Power at Zero Flow ^e	57.29	^e kW
11	Total Package Input Power at Rated Capacity and Full Load Operating Pressure ^d	286.45	kW ^d
12*	Specific Package Input Power at Rated Capacity and Full Load Operating Pressure ^e	19.92	kW/100 cfm ^e

*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

- NOTES: a. 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.
b. The operating pressure at which the Capacity (Item 3) and Electrical Consumption (Item 11) were measured for this data sheet.
c. 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.
d. Total package input power at other than reported operating points will vary with control strategy.
e. 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	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	
1.5 to 15	53 to 529.7	+/- 5	+/- 6	+/- 10%
Above 15	Above 529.7	+/- 4	+/- 5	

ROT 030.2

12/19 Rev 3 This form was developed by the Compressed Air and Gas Institute for the use of its members participating in the PVP. CAGI has not independently verified the reported data.