COMPRESSOR DATA SHEET



In Accordance With Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Variable Frequency Drive

	MODEL DATA - FO	OR COMPRESSED	AIR	
1	Manufacturer: ELGi			
	Model Number: EG 15PM-100 V		Date:	01/25/2024
2	X Air-cooled Water-cooled		Type:	SCREW
		7	of Stages:	1
3*	Full Load Operating Pressure ^b	Full Load Operating Pressure b		psig ^b
4	Drive Motor Nominal Rating	20		hp
5	Drive Motor Nominal Efficiency	96.8	percent	
6	Fan Motor Nominal Rating (if applicable)	0.40(0.30) X 1 Fa	*	
7	Fan Motor Nominal Efficiency	NA		percent
	Input Power (kW)	Capacity (acfm) ^{a,d}		Specific Power
	input 10 mor (it m)	Capacity (acfm)	(kW/100 acfm) ^d	
	17.2	92.0	18.51	
8*	14.4	74.0	18.27	
	11.7	64.0	18.03	
	9.7	51.0	18.99	
	7.4	37.0	19.96	
	4.0	17.0	23.54	
9*	Total Package Input Power at Zero Flow c, d	0.00	kW	
10	Isentropic Efficiency	70.62	%	
11	Note: Graph is only a v Note: Y-Axis Scale, 10 to 35	75 100 Capacity(CFM) issual representation of the data in S . 4 SkW/100acfm increments if necess . 5 to 25% over maximum capacity	125 ection 8 ary above 35	

*For models that are tested in the CAGI Performance Verification Program, these items are verified by the third party administrator being being a list of participants in the third party verification program: 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	±/- 10%
Above 15	Above 529.7	+/- 4	+/- 5	

ROT 031.1

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

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In Accordance With Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Variable Frequency Drive

	MODEL DATA - FO	R COMPRESSED	AIR	
1	Manufacturer: ELGi			
	Model Number: EG 15PM-125 V		Date:	01/25/2024
2	X Air-cooled Water-cooled		Type:	SCREW
		1	# of Stages:	1
3*	Full Load Operating Pressure ^b	125	psig	
4	Drive Motor Nominal Rating	20		hp
5	Drive Motor Nominal Efficiency	96.8		percent
6	Fan Motor Nominal Rating (if applicable)	0.40(0.30) X 1 Fa	n hp	
7	Fan Motor Nominal Efficiency	NA		percent
	Input Power (kW)	Capacity (acfm) ^{a,d}		Specific Power kW/100 acfm) ^d
	17.7	81.0	20.78	
	15.1	65.0		20.88
8*	12.5	56.0		20.98
	10.1	46.0		21.65
	7.6	32.0		22.33
	4.6	17.0	27.13	
9*	Total Package Input Power at Zero Flow c, d	0.00	kW	
10	Isentropic Efficiency	66.57	%	
11	Note: Graph is only a vi Note: Y-Axis Scale, 10 to 35,	75 100 apacity(CFM) sual representation of the data in S + SkW/100acfm increments if necess 0 to 25% over maximum capacity	125 Section 8 sarry above 35	

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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	1/ 100/
1.5 to 15	53 to 529.7	+/- 5	+/- 6	+/- 10%
Above 15	Above 529.7	+/- 4	+/- 5	

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In Accordance With Federal Uniform Test Method for Certain Lubricated Air Compressors

Rotary Compressor: Variable Frequency Drive

	MODEL DATA - FO	OR COMPRESSED	AIR	
1	Manufacturer: ELGi			
	Model Number: EG 15PM-115 V		Date:	01/25/2024
2	X Air-cooled Water-cooled		Type:	SCREW
			# of Stages:	1
3*	Full Load Operating Pressure b	115	psig b	
4	Drive Motor Nominal Rating	20		hp
5	Drive Motor Nominal Efficiency	96.8	percent	
6	Fan Motor Nominal Rating (if applicable)	0.40(0.30) X 1 Fa	*	
7	Fan Motor Nominal Efficiency	NA	percent	
	Input Power (kW)	Consoity (asfm)a,d	Specific Power	
	Imput I over (k vi)	Capacity (acfm) ^{a,d}	(kW/100 acfm) ^d	
	17.8	84.0	20.25	
8*	14.7	65.0	19.66	
	11.7	59.0	19.07	
	9.9	45.0	20.51	
	7.7	33.0	21.95	
	4.6	14.0	26.89	
9*	Total Package Input Power at Zero Flow c, d	0.00	kW	
10	Isentropic Efficiency	68.52	%	
11	Note: Graph is only a	75 100 Capacity(CFM) visual representation of the data in 85, + \$kW100acfm increments if neces	1 2 5	

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1.5 to 15	53 to 529.7	+/- 5	+/- 6	+/- 10%
Above 15	Above 529.7	+/- 4	+/- 5	

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