



SPECIFICATION SHEET

Product	Electric Powered Lubricated Screw Air Compressor	Type :EN5 208-230V/60HZ	Date(Org):20/03/2015
Doc. Category :	Marketing	Revision : R12	Date(Rev):17/07/2018
S.No	Description	Units	Data
A	Model	-	EN5-100 EN5-125 EN5-150 EN5-175
B	TPL Number	-	S013462 S013463 S013464 S013465
1	Free air delivery - FAD	cfm	29.9 26.5 24.2 21.0
		m3/min	0.85 0.75 0.69 0.59
2	Working pressure	psi.g	100.0 125.0 150.0 175.0
3	Unloading pressure	psi.g	103.0 128.0 153.0 178.0
4	Cut in pressure	psi.g	79.0 104.0 129.0 154.0
5	Airend shaft power	hp	8.18
		kW	6.10
6	Package input power @ full load	hp (kW)	9.64(7.19)
7	Package input power @ zero flow	hp (kW)	3.85(2.87)
8	Specific power consumption @ full load	kW/100cfm	24.04 27.12 29.70 34.23
9	Capacity control system	-	LOAD / UNLOAD
10	Nominal power supply conditions	-	230V(+/-10%),60HZ(+/-5%)Combined(+/-10%),1phase
11	Main motor rating	hp (kW)	7.5(5.60)Normal rating with SF 1.1 Continuous duty
12	Type of motors (main drive & cooling fan drive)	-	1 Ph Squirrel cage induction motor & 1 Ph fan motor
13	Insulation and protection of main motor	-	Class F / IP55
14	Rated speed of main motor	rpm	3515
15	Frame size / Mounting type	-	213T / B35
16	Efficiency of main motor/Efficiency class	-	86%/NEMA-PREMIUM
17	Type of starter for main motor	-	Direct Online Starter
18	Fan motor rating per fan x No. of fans	hp (kW)	0.127(0.095) x 1fan
19	Rated speed of fan motor	rpm	3200
20	Max allowable package current with fan at nominal power supply	Amps	38.9
21	Flow rate of cooling air @ static pressure (Pa)	cfm	657 @ 0Pa
22	Oil recommended	-	ELGI AIRLUBE UT Synthetic
23	Capacity of seperator tank (full volume)	gal	0.634
24	Tank oil fill capacity	gal	0.422
25	Oil carry over	ppm	3
26	Reference conditions - ambient & altitude	°F/ ft	113 and 3280
27	Discharge oil temperature	°F	Minimum: Above PDP at given pr. & 90% RH
		°F	Maximum: Ambient + 104.4
28	Maximum allowable air temperature at outlet	°F	Less than Ambient+27
29	Noise level of the compressor	dB (A)	64+3
30	Air outlet port size	inch	3/8" NPT
31	Overall dimensions of the unit, L x B x H	inch	24.21 x 28.15 x 33.26
32	Overall dimensions with packing, L x B x H	inch	27.95 x 30.7 x 45.27
33	Package nett. weight (Dry condition)	lbs	402
34	Package gross weight with packing	lbs	430
35	Reference standard for FAD and SPC	-	ISO 1217- Annexure 'C '
36	Reference standard for noise level	-	ISO 2151, Second Edition
37	Reference standard for air purity	-	ISO 8573-1

Note:-

Prepared By	ARAVINTH N	Approved By	JAYARAJ B
-------------	------------	-------------	-----------

All data and information in this sheet are confidential and property of ELGI EQUIPMENTS LIMITED

This is system generated document and hence signature is not required