



# SPECIFICATION SHEET

Product	Electric Powered Lubricated Screw Air Compressor	Type :EN5 208-230/460V/60HZ	Date(Org):19/03/2015
Doc. Category :	Marketing	Revision : R14	Date(Rev):17/07/2018
S.No	Description	Units	Data
A	Model	-	EN5-100    EN5-125    EN5-150    EN5-175
B	TPL Number	-	S013424    S013425    S013426    S013427
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	104.0    129.0    154.0    179.0
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)	9.26(6.91)
7	Package input power @ zero flow	hp (kW)	3.71(2.77)    3.71(2.76)    3.71(2.77)
8	Specific power consumption @ full load	kW/100cfm	23.11    26.08    28.56    32.91
9	Capacity control system	-	LOAD / UNLOAD
10	Nominal power supply conditions	-	208 -230/460 V(+/-10%), 60Hz (+/-5%), 3 Phase
11	Main motor rating	hp (kW)	7.5(5.60)Normal rating with SF 1.10 Continuous duty
12	Type of motors (main drive & cooling fan drive)	-	3 Ph Squirrel cage induction motor and 1 Ph fan motor
13	Insulation and protection of main motor	-	Class F / IP 55
14	Rated speed of main motor	rpm	3520
15	Frame size / Mounting type	-	213T/B35
16	Efficiency of main motor/Efficiency class	-	89.5%/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	22.8 - 20.6 / 10.5
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	24.21x28.15x33.26
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
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