



SPECIFICATION SHEET

Product	Electric Powered Lubricated Screw Air Compressor	Type :EN30 208-230/460V/60HZ	Date(Orig):30/11/2012
Doc. Category :	Marketing	Revision : R08	Date(Rev):05/06/2018
S.No	Description	Units	Data
A	Model	-	EN30-100 EN30-125 EN30-150 EN30-175
B	TPL Number	-	S012512 S012513 S012514 S012515
1	Free air delivery - FAD	cfm	155 138 126 117
		m3/min	4.39 3.91 3.57 3.31
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	74.0 99.0 124.0 149.0
5	Airend shaft power	hp	40.21
		kW	30.00
6	Package input power @ full load	hp (kW)	44.22(32.99)
7	Package input power @ zero flow	hp (kW)	15.48(11.55) 11.05(8.24)
8	Specific power consumption @ full load	kW/100cfm	21.28 23.90 26.18 28.19
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)	40(29.84)Normal rating with SF 1.15 Continuous duty
12	Type of motors (main drive & cooling fan drive)	-	3Ph squirrel cage induction motor and 3Ph fan motor
13	Insulation and protection of main motor	-	Class F / IP 55
14	Rated speed of main motor	rpm	3555
15	Frame size / Mounting type	-	324TS/B3
16	Efficiency of main motor/Efficiency class	-	92.40%/NEMA-PREMIUM
17	Type of starter for main motor	-	Star Delta
18	Fan motor rating per fan x No. of fans	hp (kW)	0.35(0.26) X 2fans
19	Rated speed of fan motor	rpm	1490
20	Max allowable package current with fan at nominal power supply	Amps	102.4 - 93.0 / 46.6
21	Flow rate of cooling air @ static pressure (Pa)	cfm	4120 @ 0 Pa
22	Oil recommended	-	ELGI AIRLUBE UT Synthetic
23	Capacity of seperator tank (full volume)	gal	7.656
24	Tank oil fill capacity	gal	2.904
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 Maximum: Ambient +113.4
28	Maximum allowable air temperature at outlet	°F	Less than Ambient+27
29	Noise level of the compressor	dB (A)	69+3
30	Air outlet port size	inch	1 1/4" NPT Thread
31	Overall dimensions of the unit, L x B x H	inch	36.76 x 45.45 x 63.24
32	Overall dimensions with packing, L x B x H	inch	42.5 x 47.2 x 69.9
33	Package nett. weight (Dry condition)	lbs	1534
34	Package gross weight with packing	lbs	1609
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 SUBRAMANIAN K

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