



SPECIFICATION SHEET

Product	Electric Powered Lubricated Screw Air Compressor	Type :EN37 208-230/460V/60HZ	Date(Orig):07/08/2013
Doc. Category :	Marketing	Revision : R14	Date(Rev):08/10/2018
S.No	Description	Units	Data
A	Model	-	EN37-100 EN37-125 EN37-150 EN37-175
B	TPL Number	-	S012461 S012462 S012463 S012464
1	Free air delivery - FAD	cfm	249 207 191 171
		m3/min	7.05 5.86 5.41 4.84
2	Working pressure	psi.g	100.0 125.0 150.0 175.0
3	Unloading pressure	psi.g	107.0 132.0 157.0 182.0
4	Cut in pressure	psi.g	74.0 99.0 124.0 149.0
5	Airend shaft power	hp	56.30 54.96 53.62
		kW	42.00 41.00 40.00
6	Package input power @ full load	hp (kW)	62.62(46.71) 61.17(45.64) 59.73(44.56)
7	Package input power @ zero flow	hp (kW)	21.92(16.35) 21.41(15.97) 20.91(15.60)
8	Specific power consumption @ full load	kW/100cfm	18.76 22.05 23.89 26.06
9	Capacity control system	-	LOAD / UNLOAD
10	Nominal power supply conditions		208-230V/460V(+/-10%),60HZ(+/-5%),3PH
11	Main motor rating	hp (kW)	50(37.30)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	3565
15	Frame size / Mounting type	-	326TS/B3
16	Efficiency of main motor/Efficiency class	-	93%/NEMA-PREMIUM
17	Type of starter for main motor	-	Star Delta
18	Fan motor rating per fan x No. of fans	hp (kW)	
19	Rated speed of fan motor	rpm	1320(208V,230V) / 1420(460V)
20	Max allowable package current with fan at nominal power supply	Amps	154.1 - 139.2 / 70.2
21	Flow rate of cooling air @ static pressure (Pa)	cfm	7060@0Pa
22	Oil recommended	-	ELGI AIRLUBE UT Synthetic
23	Capacity of seperator tank (full volume)	gal	13.3
24	Tank oil fill capacity	gal	5.0
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 +104.4
28	Maximum allowable air temperature at outlet	°F	Ambient+27
29	Noise level of the compressor	dB (A)	74+3
30	Air outlet port size	inch	1 1/4" NPT Thread
31	Overall dimensions of the unit, L x B x H	inch	49 x 40 x 65
32	Overall dimensions with packing, L x B x H	inch	55 x 42.5 x 70
33	Package nett. weight (Dry condition)	lbs	1873
34	Package gross weight with packing	lbs	1940
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:-

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