



SPECIFICATION SHEET

Product	Electric powered lubricated screw air compressor	Type :EG 37 208-230/460V /	Date(Org):20/03/2012
Doc. Category :	Marketing	Revision : R09	Date(Rev):29/10/2017
S.No	Description	Units	Data
A	Model	-	EG 37-100 EG 37-125 EG 37-150 EG 37-175
B	TPL Number	-	S012091 S012093 S012094 S012095
1	Free air delivery - FAD	cfm	247 212 192 171
		m3/min	6.99 6.00 5.44 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	Package Input power @ 100% flow	hp (kW)	61.01(45.50) 59.67(44.50) 61.01(45.50) 61.41(45.79)
5	Package input power @ zero flow	hp (kW)	20.53(15.32) 18.82(14.04) 16.96(12.65)
6	Specific power consumption @ full load	kW/100cfm	18.42 20.99 23.70 26.78
7	Capacity control system	-	Load / Unload
8	Nominal power supply conditions	-	208-230 / 460V (+/-10%), 60Hz(+/-5%), 3 Phase
9	Main motor rating	hp (kW)	50(37.30)Normal Rating with SF1.15 Continuous duty
10	Type of motors (main drive & cooling fan drive)	-	Squirrel Cage Induction - TEFC & Cooling Fan Integrated Motor
11	Insulation and protection of main motor	-	Class F / IP55
12	Frame size / Mounting type	-	326T / B35T
13	Efficiency class of main motor	-	94.5%/NEMA-PREMIUM
14	Type of starter for main motor	-	Automatic star delta
15	Fan motor rating per fan x No. of fans	hp (kW)	1.48 (1.1) - 208V-230V & 1.45 (1.1) - 460V X 2 Fans
16	Rated speed of fan motor	rpm	1400 (208V-230V) / 1480 (460V)
17	Max allowable package current with Fan at nominal power supply	Amps	156.1 (208V) / 142.3 (230V) / 72.1 (460V)
18	Type of coupling	-	Flexible jaw coupling with spider element
19	Flow rate of cooling air @ static pressure (Pa)	cfm	4285 @ 200
20	Oil recommended	-	ELGI AIRLUBE UT SYNTHETIC
21	Capacity of seperator tank (full volume)	gal	10
22	Total oil fill capacity	gal	5.3
23	Oil carry over	ppm	<1.0
24	Reference conditions - ambient & altitude	°F/ ft	95 & 3280
25	Discharge oil temperature	°F	Minimum: Above PDP at given pr. & 90% RH
		°F	Maximum: Ambient +99
26	Maximum allowable air temperature at outlet	°F	Ambient +18
27	Noise level of the compressor	dB (A)	68
28	Air outlet port size	inch	1 1/4" NPT Thread
29	Overall dimensions of the unit, L x B x H	inch	67.12 x 43.7 x 61.81
30	Overall dimensions with packing, L x B x H	inch	75.2 X 51.57 X 67.52
31	Package nett. weight (dry condition)	lbs	2447
32	Package Gross Weight with packing	lbs	2535
33	Reference standard for FAD and SPC	-	ISO 1217- Annexure 'C '
34	Reference standard for noise level	-	ISO 2151, Second Edition
35	Reference standard for air purity	-	ISO 8573-1

Note:-

Prepared By

SARAVANAN S

Approved By

SUBRAMANIAN K

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