



SPECIFICATION SHEET

Product	Electric powered lubricated screw air compressor	Type :EG30 208-230/460V /	Date(Org):17/07/2017
Doc. Category :	Marketing	Revision : R06	Date(Rev):23/04/2019
S.No	Description	Units	Data
A	Model	-	EG 30-100 EG 30-125 EG 30-150 EG 30-175
B	TPL Number	-	S014340 S014341 S014342 S014343
1	Free air delivery - FAD	cfm	203 178 153 136
		m3/min	5.75 5.04 4.33 3.85
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)	46.39(34.61) 47.10(35.14) 46.67(34.82) 45.96(34.29)
5	Package input power @ zero flow	hp (kW)	12.73(9.50) 12.47(9.30)
6	Specific power consumption @ full load	kW/100cfm	17.05 19.74 22.76 25.21
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)	40.0(30.0)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	-	324T / B35T
13	Efficiency class of main motor	-	94.1%/NEMA-PREMIUM
14	Type of starter for main motor	-	Automatic star delta
15	Fan motor rating per fan x No. of fans	hp (kW)	0.37 (0.28) - 208-230V / 0.4 (0.3) - 460V X 2 Fans
16	Rated speed of fan motor	rpm	1560 (208-230V) / 1630 (460V)
17	Max allowable package current with Fan at nominal power supply	Amps	124.7 (208V) / 112.5 (230V) / 56.4 (460V)
18	Type of coupling	-	Flexible jaw coupling with snap wrap element
19	Flow rate of cooling air @ static pressure (Pa)	cfm	2354 @ 90 Pa
20	Oil recommended	-	ELGI AIRLUBE UT SYNTHETIC
21	Capacity of seperator tank (full volume)	gal	13.3
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 +111.6
26	Maximum allowable air temperature at outlet	°F	Ambient +18
27	Noise level of the compressor	dB (A)	69
28	Air outlet port size	inch	1 1/2" 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 69.1
31	Package nett. weight (dry condition)	lbs	2401
32	Package Gross Weight with packing	lbs	2489
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:-

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