



# SPECIFICATION SHEET

Product	Electric powered lubricated screw air compressor	Type :EG 75 460V / 60HZ	Date(Org):19/05/2012
Doc. Category :	Marketing	Revision : R08	Date(Rev):01/06/2018
S.No	Description	Units	Data
A	Model	-	EG 75-100    EG 75-125    EG 75-150    EG 75-175
B	TPL Number	-	S012157    S012158    S012159    S012160
1	Free air delivery - FAD	cfm	520    450    415    390
		m3/min	14.72    12.74    11.75    11.04
2	Working pressure	psi.g	100.0    125.0    150.0    175.0
3	Unloading pressure	psi.g	115.0    140.0    165.0    190.0
4	Package Input power @ 100% flow	hp (kW)	122.03(91.00)    119.14(88.88)    120.55(89.93)    122.65(91.50)
5	Package input power @ zero flow	hp (kW)	34.55(25.76)    33.37(24.88)    33.76(25.17)    34.35(25.62)
6	Specific power consumption @ full load	kW/100cfm	17.50    19.75    21.67    23.46
7	Capacity control system	-	# Modulation system with 100% to 60% capacity control # < 60%: Load/unload
8	Nominal power supply conditions		460V (+/-10%), 60Hz (+/-5%), 3 Phase
9	Main motor rating	hp (kW)	100(74.60)Normal Rating with SF1.15 Continuous duty (SF 1.2 intermittent 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	-	404/5T/B35
13	Efficiency class of main motor	-	95.4%/NEMA-PREMIUM
14	Type of starter for main motor	-	WYE DELTA
15	Fan motor rating per fan x No. of fans	hp (kW)	1.6 (1.2) - (460V) X 2 Fans
16	Rated speed of fan motor	rpm	1480
17	Max allowable package current with Fan at nominal power supply	Amps	142
18	Type of coupling		Flexible jaw coupling with T cushion element
19	Flow rate of cooling air @ static pressure (Pa)	cfm	8420 @ 120Pa
20	Oil recommended	-	ELGI AIRLUBE
21	Capacity of separator tank (full volume)	gal	29
22	Total oil fill capacity	gal	10.56
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
			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	2" NPT Thread
29	Overall dimensions of the unit, L x B x H	inch	81.22 X 49.96 X 77.5
30	Overall dimensions with packing, L x B x H	inch	89.76 X 59.45 X 82.67
31	Package nett. weight (dry condition)	lbs	4453
32	Package Gross Weight with packing	lbs	4739
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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