



SPECIFICATION SHEET

Product	Electric powered lubricated screw air compressor	Type :EG 18 208-230/460V /	Date(Org):24/10/2011
Doc. Category :	Marketing	Revision : R08	Date(Rev):01/09/2016
S.No	Description	Units	Data
A	Model	-	EG 18-100 EG 18-125 EG 18-150 EG 18-175
B	TPL Number	-	S011805 S011806 S011807 S011808
1	Free air delivery - FAD	cfm	116 107 91 80
		m3/min	3.28 3.03 2.58 2.27
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)	29.35(21.89) 32.57(24.30) 30.99(23.12) 31.24(23.30)
5	Package input power @ zero flow	hp (kW)	9.25(6.90)
6	Specific power consumption @ full load	kW/100cfm	18.87 22.71 25.41 29.13
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)	24.8(18.50)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	-	284T / B35
13	Efficiency class of main motor	-	93.6%/NEMA-PREMIUM
14	Type of starter for main motor	-	Automatic Star Delta
15	Fan motor rating per fan x No. of fans	hp (kW)	0.35(0.26) - 208-230V / 0.39(0.29)-460V X 2 Fans
16	Rated speed of fan motor	rpm	1490 (208V-230V) / 1560 (460V)
17	Max allowable package current with Fan at nominal power supply	Amps	76.4 (208V) / 69.3 (230V) / 34.7 (460V)
18	Type of coupling	-	Flexible jaw coupling with snap wrap element
19	Flow rate of cooling air @ static pressure (Pa)	cfm	4120 @ 200 pa
20	Oil recommended	-	ELGI AIRLUBE
21	Capacity of seperator tank (full volume)	gal	6
22	Total oil fill capacity	gal	3.7
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)	69
28	Air outlet port size	inch	1" NPT
29	Overall dimensions of the unit, L x B x H	inch	56 X 28 X 58
30	Overall dimensions with packing, L x B x H	inch	59.84 X 35.4 X 62.6
31	Package nett. weight (dry condition)	lbs	1499
32	Package Gross Weight with packing	lbs	1587
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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