



SPECIFICATION SHEET

Product	Electric Powered Lubricated Screw Air Compressor	Type :EN15 208-230/460V/60HZ	Date(Org):28/07/2015
Doc. Category :	Marketing	Revision : R06	Date(Rev):06/11/2017
S.No	Description	Units	Data
A	Model	-	EN 15-100 EN 15-125 EN 15-150 EN 15-175
B	TPL Number	-	S013696 S013697 S013698 S013699
1	Free air delivery - FAD	cfm	81.5 68.0 61.5 58.0
		m3/min	2.31 1.93 1.74 1.64
2	Working pressure	psi.g	100.0 125.0 150.0 175.0
3	Unloading pressure	psi.g	104.0 129.0 154.0 179.0
4	Cut in pressure	psi.g	79.0 104.0 129.0 154.0
5	Airend shaft power	hp	22.56 20.51 20.10 20.78
		kW	16.83 15.30 14.99 15.50
6	Package input power @ full load	hp (kW)	25.17(18.77) 22.91(17.09) 22.50(16.78) 23.21(17.31)
7	Package input power @ zero flow	hp (kW)	10.04(7.49) 9.14(6.82) 9.28(6.93)
8	Specific power consumption @ full load	kW/100cfm	23.04 25.14 27.29 29.85
9	Capacity control system	-	LOAD / UNLOAD
10	Nominal power supply conditions	-	208 -230/460 V (+/-10%), 60Hz (+/-5%), 3 Phase
11	Main motor rating	hp (kW)	20(14.92)Normal rating with SF 1.15 Continuous duty
12	Type of motors (main drive & cooling fan drive)	-	Squirrel Cage Induction - TEFC
13	Insulation and protection of main motor	-	Class F / IP55
14	Rated speed of main motor	rpm	3520
15	Frame size / Mounting type	-	256T / B3
16	Efficiency of main motor/Efficiency class	-	91%/NEMA-PREMIUM
17	Type of starter for main motor	-	Star delta starter
18	Fan motor rating per fan x No. of fans	hp (kW)	0.375(0.28) x 1 fan
19	Rated speed of fan motor	rpm	1560
20	Max allowable package current with fan at nominal power supply	Amps	60.3 - 54.7 / 28
21	Flow rate of cooling air @ static pressure (Pa)	cfm	2413 @ 0 Pa
22	Oil recommended	-	ELGI Airlube UT Synthetic
23	Capacity of seperator tank (full volume)	gal	2.69
24	Tank oil fill capacity	gal	1.9
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
		°F	Maximum: Ambient +111.6
28	Maximum allowable air temperature at outlet	°F	Ambient+36
29	Noise level of the compressor	dB (A)	68+3
30	Air outlet port size	inch	3/4" NPT
31	Overall dimensions of the unit, L x B x H	inch	34.4 x 31.5 x 39.70
32	Overall dimensions with packing, L x B x H	inch	37 x 36.6 x 48.2
33	Package nett. weight (Dry condition)	lbs	683
34	Package gross weight with packing	lbs	705
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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