



SPECIFICATION SHEET

Product	Electric Powered Lubricated Screw Air Compressor	Type :EN7 208-230/460V/60HZ	Date(Org):28/07/2015
Doc. Category :	Marketing	Revision : R09	Date(Rev):18/07/2018
S.No	Description	Units	Data
A	Model	-	EN 7-100 EN 7-125 EN 7-150 EN 7-175
B	TPL Number	-	S013688 S013689 S013690 S013691
1	Free air delivery - FAD	cfm	42.5 38.5 34.0 30.0
		m3/min	1.20 1.09 0.96 0.85
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	10.40 11.26 10.76 10.63
		kW	7.76 8.40 8.03 7.93
6	Package input power @ full load	hp (kW)	11.66(8.70) 12.61(9.41) 12.06(9.00) 11.91(8.89)
7	Package input power @ zero flow	hp (kW)	4.66(3.48) 5.04(3.76) 4.82(3.60) 4.76(3.55)
8	Specific power consumption @ full load	kW/100cfm	20.47 24.44 26.46 29.62
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)	10(7.46)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	3515
15	Frame size / Mounting type	-	215T / B3
16	Efficiency of main motor/Efficiency class	-	90.2%/NEMA-PREMIUM
17	Type of starter for main motor	-	Direct Online Starter
18	Fan motor rating per fan x No. of fans	hp (kW)	0.127(0.095) x 1fan
19	Rated speed of fan motor	rpm	3200
20	Max allowable package current with fan at nominal power supply	Amps	30 - 27.1 / 13.8
21	Flow rate of cooling air @ static pressure (Pa)	cfm	657 @ 0 Pa
22	Oil recommended	-	ELGI Airlube UT Synthetic
23	Capacity of seperator tank (full volume)	gal	2.694
24	Tank oil fill capacity	gal	1.62
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 +104.4
28	Maximum allowable air temperature at outlet	°F	Ambient+27
29	Noise level of the compressor	dB (A)	66+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 36.61 x 48.2
33	Package nett. weight (Dry condition)	lbs	573
34	Package gross weight with packing	lbs	595
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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