



SPECIFICATION SHEET

Product	Electric Powered Lubricated Screw Air Compressor	Type :EN22 208-230/460V/60HZ	Date(Org):30/11/2012
Doc. Category :	Marketing	Revision : R08	Date(Rev):05/06/2018
S.No	Description	Units	Data
A	Model	-	EN22 - 100 EN22 - 125 EN22 - 150 EN22 - 175
B	TPL Number	-	S012509 S012454 S012510 S012511
1	Free air delivery - FAD	cfm	132 118 107 96
		m3/min	3.74 3.34 3.03 2.72
2	Working pressure	psi.g	100.0 125.0 150.0 175.0
3	Unloading pressure	psi.g	103.0 128.0 153.0 178.0
4	Cut in pressure	psi.g	74.0 99.0 124.0 149.0
5	Airend shaft power	hp	33.91
		kW	25.30
6	Package input power @ full load	hp (kW)	37.56(28.02)
7	Package input power @ zero flow	hp (kW)	13.15(9.81) 9.39(7.00)
8	Specific power consumption @ full load	kW/100cfm	21.23 23.75 26.19 29.19
9	Capacity control system	-	LOAD / UNLOAD
10	Nominal power supply conditions		208-230V/460V(+/-10%),60hz(+/-5%),3Phase
11	Main motor rating	hp (kW)	30(22.38)Normal rating with SF 1.15 Continuous duty
12	Type of motors (main drive & cooling fan drive)	-	3Ph squirrel cage induction motor and 3Ph fan motor
13	Insulation and protection of main motor	-	Class F / IP 55
14	Rated speed of main motor	rpm	3550
15	Frame size / Mounting type	-	284TS / B3
16	Efficiency of main motor/Efficiency class	-	92%/NEMA-PREMIUM
17	Type of starter for main motor	-	Star Delta
18	Fan motor rating per fan x No. of fans	hp (kW)	0.35(0.26) x 2fans
19	Rated speed of fan motor	rpm	1490
20	Max allowable package current with fan at nominal power supply	Amps	93.4 - 84.6 / 42.4
21	Flow rate of cooling air @ static pressure (Pa)	cfm	4120 @ 0Pa
22	Oil recommended	-	ELGI AIRLUBE UT Synthetic
23	Capacity of seperator tank (full volume)	gal	7.656
24	Tank oil fill capacity	gal	2.904
25	Oil carry over	ppm	3
26	Reference conditions - ambient & altitude	°F/ ft	113 and 3280
27	Discharge oil temperature		Minimum: Above PDP at given pr. & 90% RH
			Maximum: Ambient +104.4
28	Maximum allowable air temperature at outlet	°F	Less than Ambient+27
29	Noise level of the compressor	dB (A)	69+3
30	Air outlet port size	inch	1 1/4" NPT Thread
31	Overall dimensions of the unit, L x B x H	inch	36.76 x 45.45 x 63.24
32	Overall dimensions with packing, L x B x H	inch	42.5 x 47.2 x 69.9
33	Package nett. weight (Dry condition)	lbs	1345
34	Package gross weight with packing	lbs	1450
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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