



SPECIFICATION SHEET

| Product | Electric powered lubricated screw air compressor | Type :EG15 208-230/460V / | Date(Org):24/06/2017 |
|-----------------|--|---------------------------|---|
| Doc. Category : | Marketing | Revision : R05 | Date(Rev):28/05/2019 |
| S.No | Description | Units | Data |
| A | Model | - | EG 15-100 EG 15-125 EG 15-150 EG 15-175 |
| B | TPL Number | - | S014055 S014056 S014057 S014058 |
| 1 | Free air delivery - FAD | cfm | 94 85 77 65 |
| | | m3/min | 2.66 2.41 2.18 1.84 |
| 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) | 25.27(18.85) 24.91(18.58) 23.46(17.50) |
| 5 | Package input power @ zero flow | hp (kW) | 7.77(5.80) 8.05(6.00) 6.70(5.00) |
| 6 | Specific power consumption @ full load | kW/100cfm | 20.05 22.17 24.13 26.93 |
| 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) | 20.0(15.0)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 | - | 256T / B35 |
| 13 | Efficiency class of main motor | - | 93%/NEMA-PREMIUM |
| 14 | Type of starter for main motor | - | Automatic Star Delta |
| 15 | Fan motor rating per fan x No. of fans | hp (kW) | 0.38(0.28) - 208-230V / 0.40(0.30)-460V X 1 Fan |
| 16 | Rated speed of fan motor | rpm | 1560 (208V-230V) / 1630 (460V) |
| 17 | Max allowable package current with Fan at nominal power supply | Amps | 62.7 (208V) / 56.9 (230V) / 28.5 (460V) |
| 18 | Type of coupling | - | Flexible jaw coupling with snap wrap element |
| 19 | Flow rate of cooling air @ static pressure (Pa) | cfm | 2050 @ 50 |
| 20 | Oil recommended | - | ELGI AIRLUBE UT SYNTHETIC |
| 21 | Capacity of seperator tank (full volume) | gal | 4.8 |
| 22 | Total oil fill capacity | gal | 2.4 |
| 23 | Oil carry over | ppm | <1 |
| 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 +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 | 1" NPT MALE THREAD |
| 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 | 59.8 X 35.4 X 62.6 |
| 31 | Package nett. weight (dry condition) | lbs | 1257 |
| 32 | Package Gross Weight with packing | lbs | 1345 |
| 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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