



# SPECIFICATION SHEET

| Product         | Electric Powered Lubricated Screw Air Compressor               | Type :EN11 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 11-100    EN 11-125    EN 11-150    EN 11-175             |
| B               | TPL Number   | -                            | S013692    S013693    S013694    S013695                     |
| 1               | Free air delivery - FAD  | cfm                          | 64.0    55.0    51.5    45.0                                 |
|                 |  | m3/min                       | 1.81    1.56    1.46    1.27                                 |
| 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                           | 16.96    16.72    16.96    16.51                             |
|                 |  | kW                           | 12.65    12.47    12.65    12.32                             |
| 6               | Package input power @ full load                                | hp (kW)                      | 19.01(14.18)    18.74(13.98)    19.01(14.18)    18.52(13.82) |
| 7               | Package input power @ zero flow                                | hp (kW)                      | 7.60(5.67)    7.50(5.59)    7.60(5.67)    7.41(5.53)         |
| 8               | Specific power consumption @ full load                         | kW/100cfm                    | 22.16    25.42    27.54    30.71                             |
| 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)                      | 15(11.19)Normal Rating with SF1.15 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                          | 3530   |
| 15              | Frame size / Mounting type                                     | -                            | 254T / B3  |
| 16              | Efficiency of main motor/Efficiency class                      | -                            | 91%/NEMA-PREMIUM   |
| 17              | Type of starter for main motor                                 | -                            | Direct Online Starter  |
| 18              | Fan motor rating per fan x No. of fans                         | hp (kW)                      | 0.375(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                         | 44.1 - 40.5 / 20.7   |
| 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                          | 2.694  |
| 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)                       | 67+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                          | 617  |
| 34              | Package gross weight with packing                              | lbs                          | 639  |
| 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:-

|             |            |             |               |
|-------------|------------|-------------|---------------|
| Prepared By | ARAVINTH N | Approved By | SUBRAMANIAN K |
|-------------|------------|-------------|---------------|

All data and information in this sheet are confidential and property of ELGI EQUIPMENTS LIMITED

This is system generated document and hence signature is not required