



Remarks:

- Glands: 1 off M20 x 1.5 and 1 off M16 x 1.5, Blanking plug 1 off M20 x 1.5
- Eye bolt M8

|                         |            |                             |                              |
|-------------------------|------------|-----------------------------|------------------------------|
| DRAWN<br>James Souter   | 29/01/2024 | <b>AMTECS LTD</b>           |                              |
| CHECKED<br>Oliver Young | 31/01/2024 |                             |                              |
| QA                      |            | TITLE<br>AMA3-IE3 100L (B5) |                              |
| MFG                     |            | SIZE<br>A3                  | DWG NO<br>AMA3-IE3 100L (B5) |
| APPROVED                |            | SCALE<br>1:3                | REV                          |
|                         |            | SHEET 1 OF 1                |                              |

|                   |                                 |
|-------------------|---------------------------------|
| Specification     | <b>IEC 60034-1</b>              |
| Manufacturer      | <b>AmTecs</b>                   |
| Motor type        | <b>AMA3-IE3 100L2</b>           |
| Rated power       | <b>3 kW S1 Duty</b>             |
| Speed             | <b>2910 rpm</b>                 |
| Voltage           | <b>220V / 400V</b>              |
| Frequency         | <b>50 Hz</b>                    |
| Connection        | <b>Delta / Star</b>             |
| Full load current | <b>9.9 A / 5.71 A</b>           |
| No-load current   |                                 |
| Enclosure         | <b>IP55</b>                     |
| Insulation class  | <b>F (temp. rise B)</b>         |
| Max. ambient temp | <b>40 °C</b>                    |
| Max. altitude     | <b>1000 mtr above sea level</b> |
| Comment           |                                 |
| Cable entry       | <b>M20 x 1.5</b>                |
| Construction      | <b>Aluminium</b>                |
| Weight            | <b>30.5 Kg</b>                  |
| Type number       |                                 |
| Warranty          |                                 |

|                                    |                 |
|------------------------------------|-----------------|
| Efficiency class                   | <b>IE3</b>      |
| Load data                          | <b>100%</b>     |
| Efficiency                         | <b>87.1 %</b>   |
| Power factor                       | <b>0.87</b>     |
| Sound pressure level (1m)          | <b>65 dB(A)</b> |
| Resistance R20 (open)              |                 |
| Resistance R20 (Delta)             |                 |
| Full load torque                   | <b>9.85 Nm</b>  |
| Starting / Full load torque        | <b>3.2</b>      |
| Pull up / Full load torque         |                 |
| Pull out / Full load torque        | <b>3.5</b>      |
| Starting / Full load current (DOL) | <b>8.5</b>      |
| Starting / Full load current (Y/D) |                 |
| Rotor Inertia                      |                 |
| Bearing DE                         | <b>6206</b>     |
| Bearing NDE                        | <b>6206</b>     |

|  |                    |
|--|--------------------|
| <b>AmTecs Ltd</b>                                |                    |
| Charnham Park, Hungerford<br>Berkshire, RG17 0YT |                    |
| Tel: +44 (0) 1488 686970                         | sales@amtecs.co.uk |
| Fax: +44 (0) 1488 686968                         | www.amtecs.co.uk   |