



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

|                   |                                 |
|-------------------|---------------------------------|
| Specification     | <b>IEC 60034-1</b>              |
| Manufacturer      | <b>AmTecs</b>                   |
| Motor type        | <b>AMA3-IE3 100LX4</b>          |
| Rated power       | <b>3 kW S1 Duty</b>             |
| Speed             | <b>1450 rpm</b>                 |
| Voltage           | <b>220V / 400V</b>              |
| Frequency         | <b>50 Hz</b>                    |
| Connection        | <b>Delta / Star</b>             |
| Full load current | <b>10.5 A / 6.02 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>38.5 Kg</b>                  |
| Type number       |                                 |
| Warranty          |                                 |

|                             |                 |
|-----------------------------|-----------------|
| Efficiency class            | <b>IE3</b>      |
| Load data                   | <b>100%</b>     |
| Efficiency                  | <b>87.7 %</b>   |
| Power factor                | <b>0.82</b>     |
| Sound pressure level (1m)   | <b>56 dB(A)</b> |
| Resistance R20 (open)       |                 |
| Resistance R20 (Delta)      |                 |
| Full load torque            | <b>19.8 Nm</b>  |
| Starting / Full load torque | <b>3.2</b>      |
| Pull up / Full load torque  |                 |
| Pull out / Full load torque | <b>3.7</b>      |

|                                    |             |
|------------------------------------|-------------|
| Starting / Full load current (DOL) | <b>8.8</b>  |
| Starting / Full load current (Y/D) |             |
| Rotor Inertia                      |             |
| Bearing DE                         | <b>6206</b> |
| Bearing NDE                        | <b>6206</b> |

|  |                    |
|--|--------------------|
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