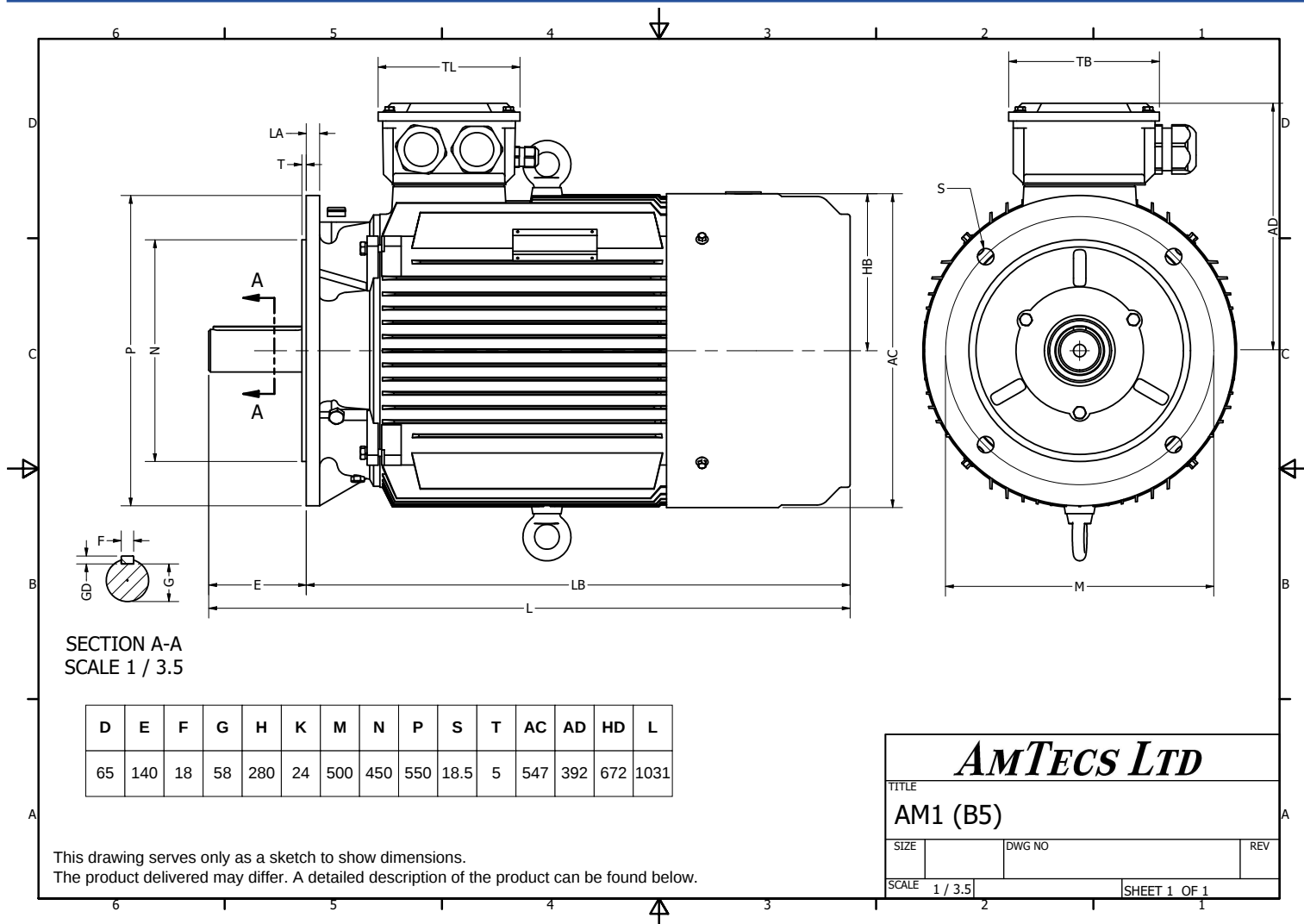




|                   |                                 |
|-------------------|---------------------------------|
| Specification     | <b>IEC 60034-1</b>              |
| Manufacturer      | <b>AmTecs</b>                   |
| Motor type        | <b>AM1-IE2 280M2</b>            |
| Rated power       | <b>90 kW S1 Duty</b>            |
| Speed             | <b>2970 rpm</b>                 |
| Voltage           | <b>400V / 690V</b>              |
| Frequency         | <b>50 Hz</b>                    |
| Connection        | <b>Delta / Star</b>             |
| Full load current | <b>155.1 A / 89.9 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>M63 x 1.5</b>                |
| Construction      | <b>Cast Iron</b>                |
| Weight            | <b>580 Kg</b>                   |
| Type number       |                                 |
| Warranty          |                                 |

|                           |                 |
|---------------------------|-----------------|
| Efficiency class          | <b>IE2</b>      |
| Load data                 | <b>100%</b>     |
| Efficiency                | <b>94.1 %</b>   |
| Power factor              | <b>0.89</b>     |
| Sound pressure level (1m) | <b>91 dB(A)</b> |
| Resistance R20 (open)     |                 |
| Resistance R20 (Delta)    |                 |

|                             |            |    |
|-----------------------------|------------|----|
| Full load torque            | <b>289</b> | Nm |
| Starting / Full load torque | <b>2.7</b> |    |
| Pull up / Full load torque  |            |    |
| Pull out / Full load torque | <b>2.9</b> |    |

|                                    |             |
|------------------------------------|-------------|
| Starting / Full load current (DOL) | <b>7.4</b>  |
| Starting / Full load current (Y/D) |             |
| Rotor Inertia                      |             |
| Bearing DE                         | <b>6314</b> |
| Bearing NDE                        | <b>6314</b> |

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