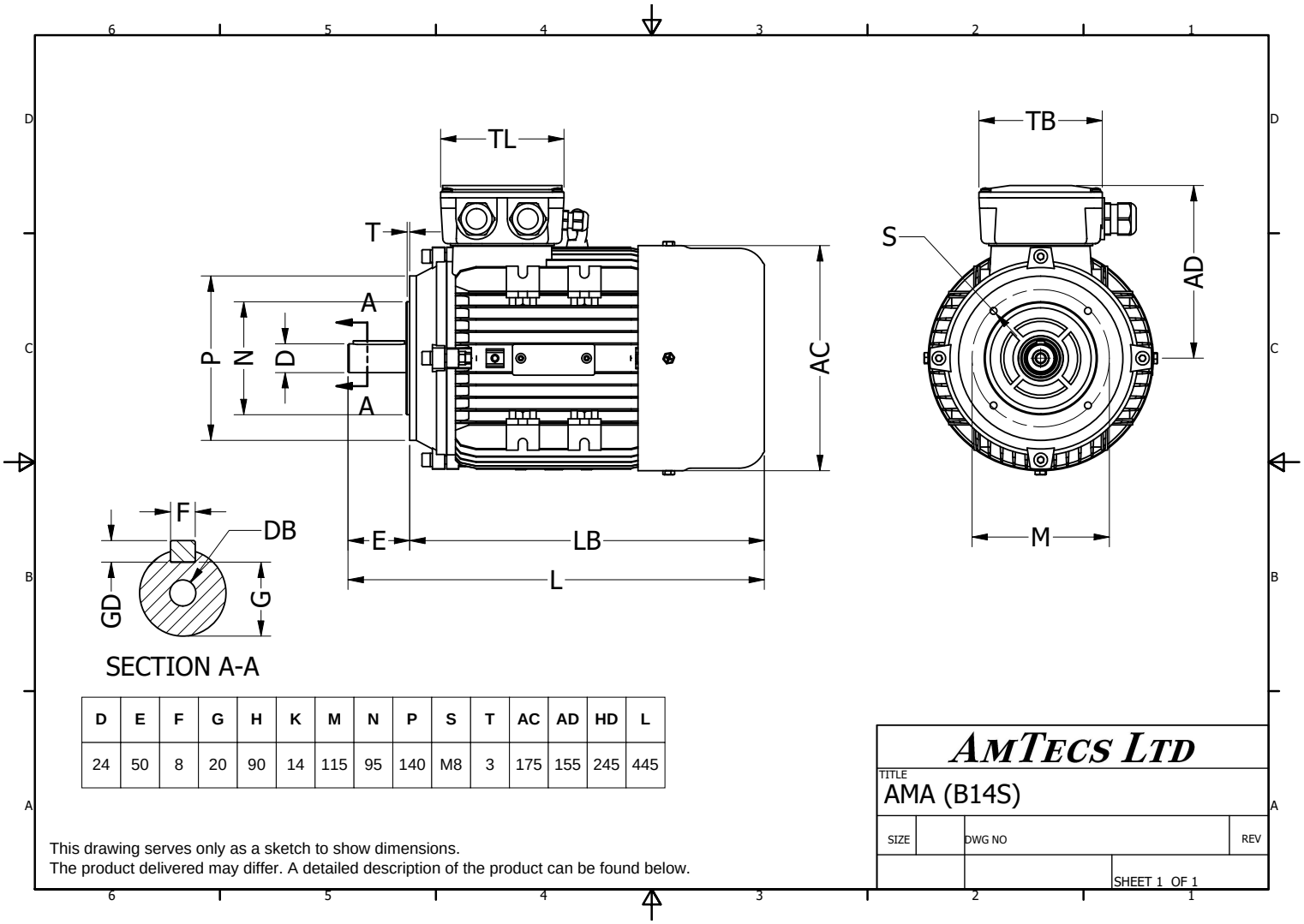
# AMAB-IE3 90L4 (B14S)

AMTECS




| D | E | F | G | H | K | M | N | P | S | T | AC | AD | HD | L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 50 | 8 | 20 | 90 | 14 | 115 | 95 | 140 | M8 | 3 | 175 | 155 | 245 | 445 |

AMTECS LTD

TITLE
AMA (B14S)

SIZE | DWG NO | REV

SHEET 1 OF 1

This drawing serves only as a sketch to show dimensions.
The product delivered may differ. A detailed description of the product can be found below.

| | | | |
|---|---|---|---|
| Specification | **IEC 60034-1** | Efficiency class | **IE3** |
| Manufacturer | **AmTecs** | Load data | 100% |
| Motor type | **AMAB-IE3 90L4** | Efficiency | **85.3** % |
| Rated power | **1.5** kW **S1** Duty | Power factor | **0.77** |
| Speed | **1445** rpm | Sound pressure level (1m) | **70** dB(A) |
| Voltage | **220V / 400V** | Resistance R20 (open) | |
| Frequency | **50** Hz | Resistance R20 (Delta) | |
| Connection | **Delta / Star** | | |
| Full load current | **5.73 A / 3.3 A** | Full load torque | **9.91** Nm |
| No-load current | | Starting / Full load torque | **2.3** |
| Enclosure | **IP55** | Pull up / Full load torque | |
| Insulation class | **F (temp. rise B)** | Pull out / Full load torque | **2.3** |
| Max. ambient temp | **40** °C | | |
| Max. altitude | **1000** mtr above sea level | | |
| Comment | | | |
| Cable entry | **M20 x 1.5** | Starting / Full load current (DOL) | **7** |
| Construction | **Aluminium** | Starting / Full load current (Y/D) | |
| Weight | **27** Kg | Rotor Inertia | |
| Type number | | Bearing DE | **6205** |
| Warranty | | Bearing NDE | **6205** |
| Brake Torque | **15** (Nm) | | |
| Brake Response | **0.38** (ms) | | |
| Brake Power | **45** (W) | | |
| Brake Voltage | **99** | | |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