



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.

**AMTECS LTD**

TITLE  
**AM1 (B5)**

SIZE \_\_\_\_\_ DWG NO \_\_\_\_\_ REV \_\_\_\_\_

SCALE 1 / 3.5 SHEET 1 OF 1

Specification **IEC 60034-1**  
 Manufacturer **AmTecs**  
 Motor type **AM1-IE2 225M4**  
 Rated power **45 kW S1 Duty**  
 Speed **1480 rpm**  
 Voltage **400V / 690V**  
 Frequency **50 Hz**  
 Connection **Delta / Star**  
 Full load current **81.1 A / 47 A**  
 No-load current  
 Enclosure **IP55**  
 Insulation class **F (temp. rise B)**  
 Max. ambient temp **40 °C**  
 Max. altitude **1000 mtr above sea level**  
 Comment  
 Cable entry **M40 x 1.5**  
 Construction **Cast Iron**  
 Weight **322 Kg**  
 Type number  
 Warranty

Efficiency class **IE2**  
 Load data **100%**  
 Efficiency **93.1 %**  
 Power factor **0.86**  
 Sound pressure level (1m) **78 dB(A)**  
 Resistance R20 (open)  
 Resistance R20 (Delta)  
 Full load torque **290 Nm**  
 Starting / Full load torque **2.5**  
 Pull up / Full load torque  
 Pull out / Full load torque **2.8**  
 Starting / Full load current (DOL) **7.6**  
 Starting / Full load current (Y/D)  
 Rotor Inertia  
 Bearing DE **6313**  
 Bearing NDE **6312**

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