



**AmTECS LTD**

TITLE: AM1 (B35)

SIZE: A3 DWG NO: REV:

SCALE: 1 / 3.5 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**  
 Manufacturer **AmTecs**  
 Motor type **AM3-IE3 280M2**  
 Rated power **108 kW S1 Duty**  
 Speed **3564 rpm**  
 Voltage **480 / 820V**  
 Frequency **60 Hz**  
 Connection **Delta / Star**  
 Full load current **153.6 A / 89.1 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 **M63 x 1.5**  
 Construction **Cast Iron**  
 Weight **600 Kg**  
 Type number  
 Warranty

Efficiency class **IE3**  
 Load data **100%**  
 Efficiency **95 %**  
 Power factor **0.89**  
 Sound pressure level (1m) **96 dB(A)**  
 Resistance R20 (open)  
 Resistance R20 (Delta)  
 Full load torque **289.4 Nm**  
 Starting / Full load torque **2.5**  
 Pull up / Full load torque  
 Pull out / Full load torque **2.9**  
 Starting / Full load current (DOL) **8.0**  
 Starting / Full load current (Y/D)  
 Rotor Inertia  
 Bearing DE **6314**  
 Bearing NDE **6314**

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