



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 (B35)**

SIZE  
**A3**

SCALE  
**1 / 3.5**

DWG NO

REV

SHEET 1 OF 1

Specification **IEC 60034-1**

Manufacturer **AmTecs**

Motor type **AM1-IE2 160L4**

Rated power **18 kW S1 Duty**

Speed **1752 rpm**

Voltage **480 / 820V**

Frequency **60 Hz**

Connection **Delta / Star**

Full load current **27.8 A / 16.1 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 **M32 x 1.5**

Construction **Cast Iron**

Weight **132 Kg**

Type number

Warranty

Efficiency class **IE2**

Load data **100%**

Efficiency **90.6 %**

Power factor **0.86**

Sound pressure level (1m) **78 dB(A)**

Resistance R20 (open)

Resistance R20 (Delta)

Full load torque **98 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 **6309**

Bearing NDE **6209**

<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