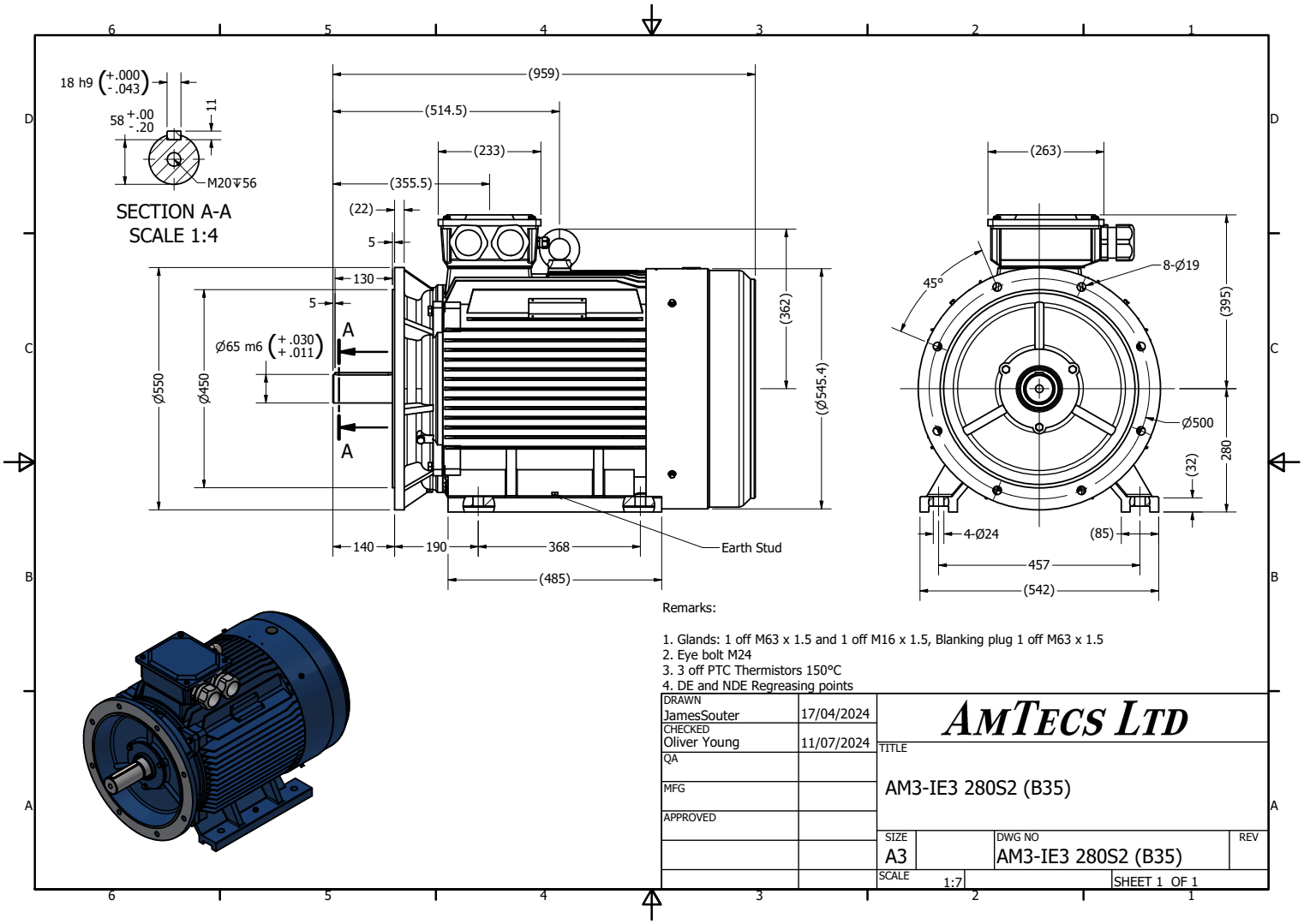
AM3-IE3 280S2 (B35)

AMTECS



Remarks:

1. Glands: 1 off M63 x 1.5 and 1 off M16 x 1.5, Blanking plug 1 off M63 x 1.5
2. Eye bolt M24
3. 3 off PTC Thermistors 150°C
4. DE and NDE Regreasing points

DRAWN	JamesSouter	17/04/2024
CHECKED	Oliver Young	11/07/2024
QA		
MFG		
APPROVED		

AMTECS LTD

TITLE: AM3-IE3 280S2 (B35)

SIZE: A3 | DWG NO: AM3-IE3 280S2 (B35) | REV:

SCALE: 1:7 | SHEET 1 OF 1

Specification	**IEC 60034-1**	Efficiency class	**IE3**
Manufacturer	**AmTecs**	Load data	100%
Motor type	**AM3-IE3 280S2**	Efficiency	**94.7** %
Rated power	**90** kW **S1** Duty	Power factor	**0.89**
Speed	**3564** rpm	Sound pressure level (1m)	**96** dB(A)
Voltage	**480 / 820V**	Resistance R20 (open)	
Frequency	**60** Hz	Resistance R20 (Delta)	
Connection	**Delta / Star**		
Full load current	**128.4 A / 74.5 A**	Full load torque	**241.2** Nm
No-load current		Starting / Full load torque	**2.5**
Enclosure	**IP55**	Pull up / Full load torque	
Insulation class	**F (temp. rise B)**	Pull out / Full load torque	**3.0**
Max. ambient temp	**40** °C		
Max. altitude	**1000** mtr above sea level		
Comment			
Cable entry	**M63 x 1.5**	Starting / Full load current (DOL)	**8.3**
Construction	**Cast Iron**	Starting / Full load current (Y/D)	
Weight	**575** Kg	Rotor Inertia	
Type number		Bearing DE	**6314**
Warranty		Bearing NDE	**6314**

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