

Technical drawing of a 6RD180LA6E3 IM2001 motor, showing front, side, and cross-section views (A-A).

Front View Dimensions:

- Overall width: 240
- Mounting flange diameter: 306
- Base diameter: 366
- Base height: 180
- Base width: 180
- Mounting flange thickness: 120
- Base flange thickness: 14
- Base flange diameter: 279
- Base flange width: 71
- Base flange height: 18
- Base flange diameter: 180
- Base flange width: 14
- Base flange height: 18
- Base flange diameter: 180
- Base flange width: 14
- Base flange height: 18

Side View Dimensions:

- Overall length: 898
- Mounting flange diameter: 350
- Base diameter: 250
- Base height: 149
- Base width: 14
- Base flange diameter: 279
- Base flange width: 71
- Base flange height: 18
- Base flange diameter: 180
- Base flange width: 14
- Base flange height: 18

Cross-section A-A Dimensions:

- Overall width: 14 h9
- Base diameter: 48 k6
- Base height: 51.5

Technical Specifications:

GEN TOLERANCE OF FORM AND POSITION ON MACHINED PARTS:	0.5 - 3 ± 0.1	> 3 - 6 ± 0.1	> 6 - 30 ± 0.2	> 30 - 120 ± 0.3
LINEAR DIM. ACC. DIN ISO 2768-1 m	> 120 - 400 ± 0.5	> 400 - 1000 ± 0.8	> 1000 - 2000 ± 1.2	> 2000 - 4000 ± 2

Revision Table:

REVISION	DESCRIPTION
1	Outline drawing

Motor Type: 6RD180LA6E3 IM2001

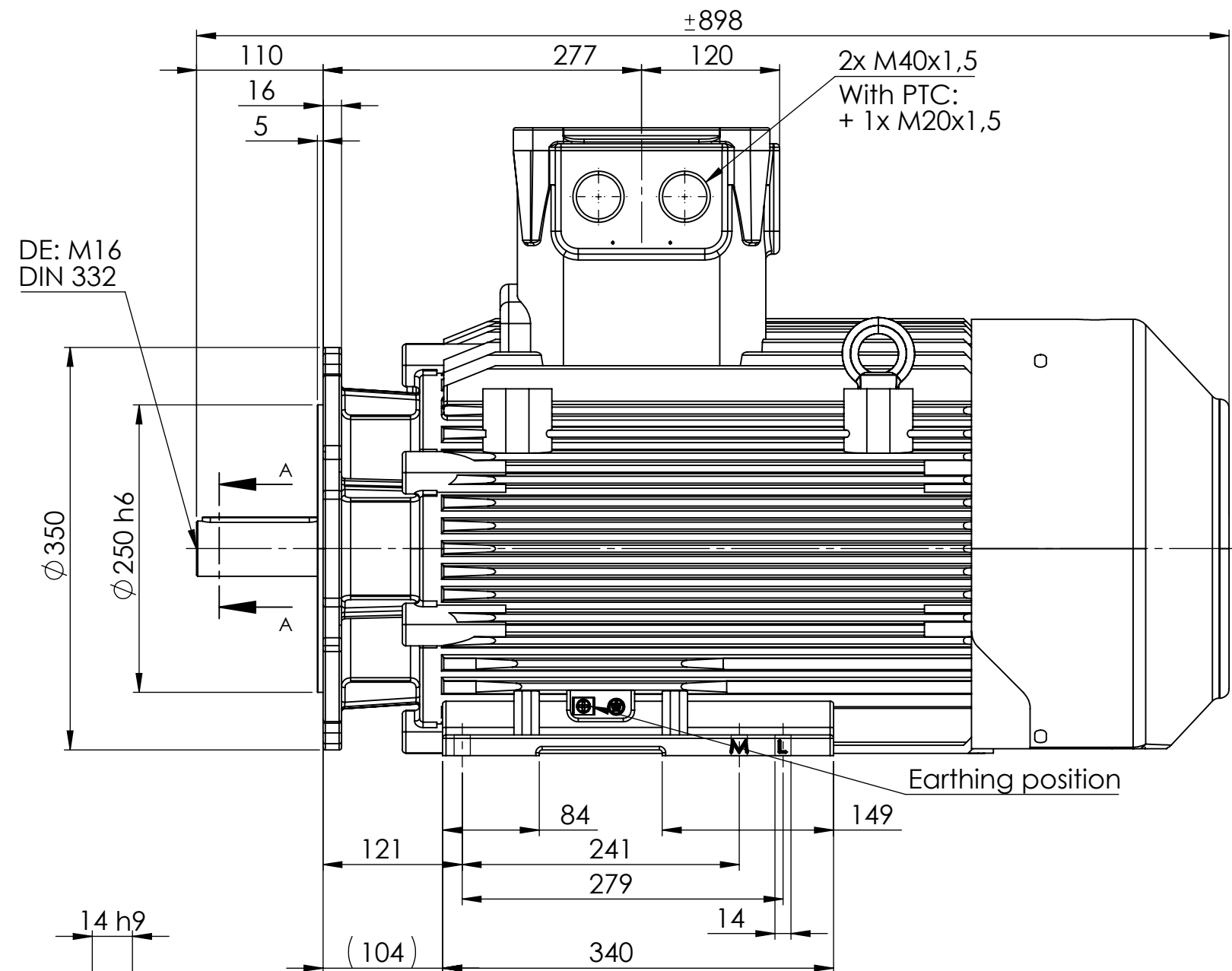
Mounting: IM2001 / FF300

Cooling: IC411

Protection: Ex db/eb

Scale: 1:5

Sheet: 1 OF 1



1x Earthing in terminal box
2x External earthing

DRAWN BW			DRAWING NUMBER: 6RD180LA6E3 IM2001		REVISION	
DATE 02-12-2021			DESCRIPTION: Outline drawing			
CHK'D			OPTIONS:			
	ROTOR BV Mors 1-5 7151 MX Eibergen NL		Tel: +31(0)545-464640 E-mail: sales.nl@regalrexnord.com			
DATE	GENERAL TOLERANCE ON MACHINED PARTS: LINEAR DIM. ACC. DIN ISO 2768-1 m		ALL DIMENSIONS IN mm ACC. IEC/EN 60072-1		DO NOT SCALE DRAWING	
GEN TOLERANCE OF FORM AND POSITION ON MACHINED PARTS: CLASS H - DIN ISO 2768-2	0.5 - 3 ± 0.1	> 120 - 400 ± 0.5		MOTOR TYPE 6RD180LA6E3	COOLING IC411	PAPER SIZE A3
	> 3 - 6 ± 0.1	> 400 - 1000 ± 0.8		MOUNTING IM2001 / FF300	PROTECTION Ex db/eb	SCALE: 1:5 SHEET 1 OF 1
	> 6 - 30 ± 0.2	> 1000 - 2000 ± 1.2				
	> 30 - 120 ± 0.3	> 2000 - 4000 ± 2				