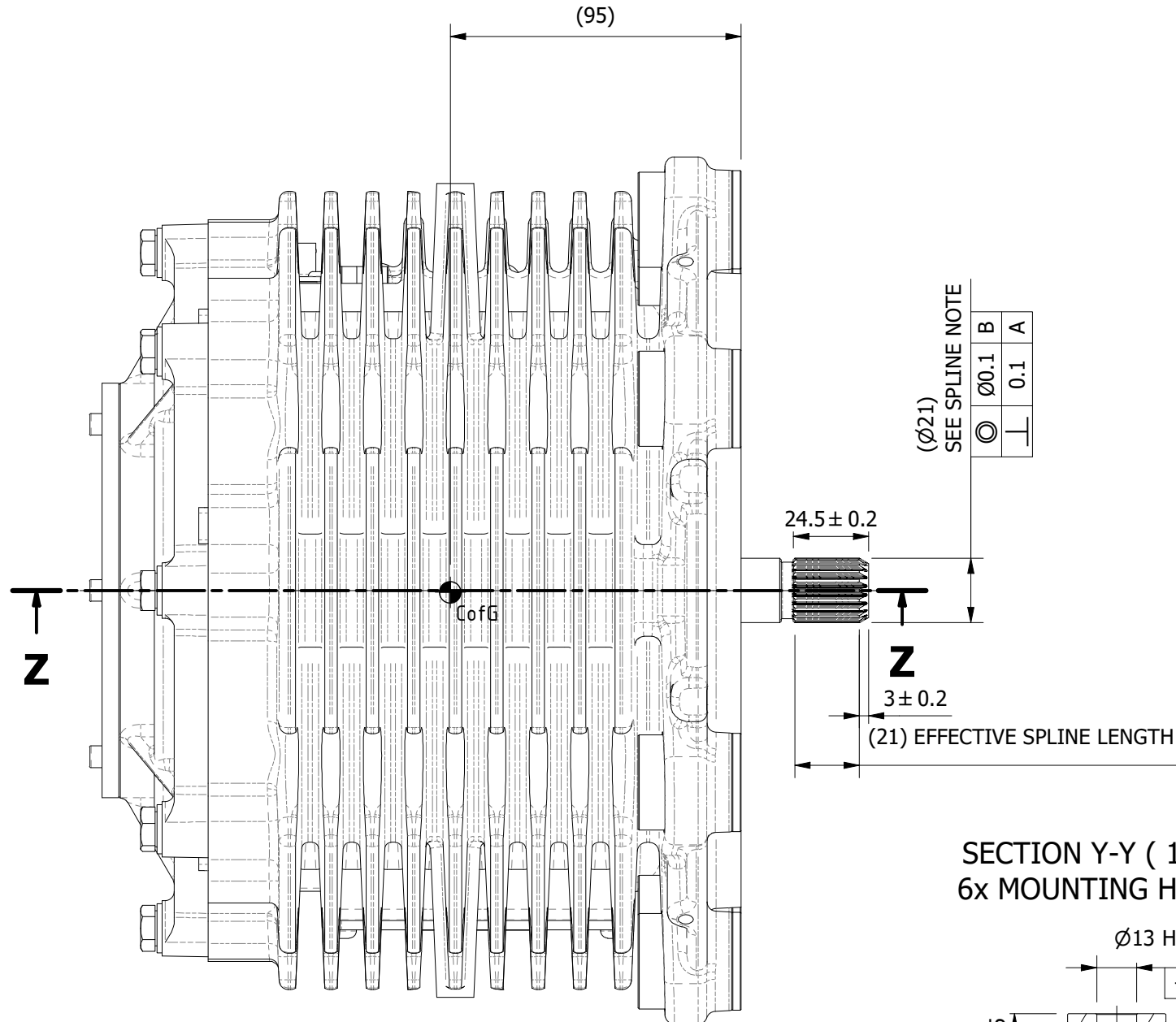
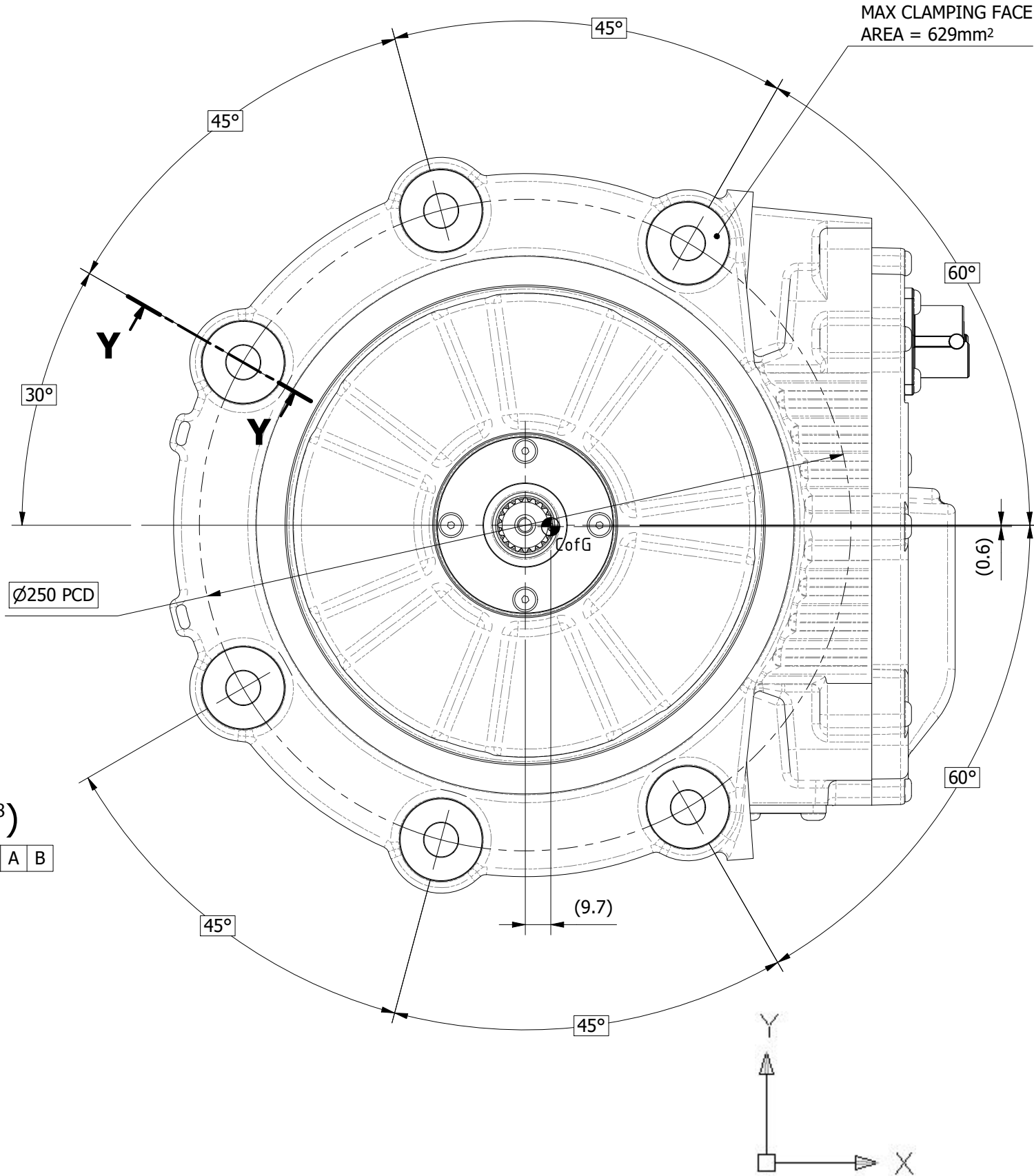
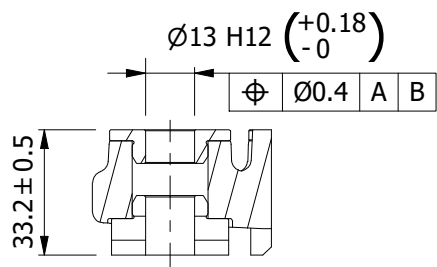


SPLINE NOTE

ISO 4156 - EXT 20Z x 1.00m x 30R x 5h	
ROOT FILLET WITH SIDE FIT	
Number of Teeth	20
Normal Module (mm)	1.000
Pressure Angle (degrees)	30.000
Base Diameter (mm)	17.321
Pitch Diameter (mm)	20.000
Major diameter max (mm)	21.000
Major diameter min (mm)	20.870
Form diameter max (mm)	18.915
Minor diameter max (mm)	18.200
Minor diameter min (mm)	17.969
Base Pitch (mm)	2.721
Basic Tooth Thickness @20.000 (mm)	1.571
Actual Tooth Thickness max (mm)	1.549
Actual Tooth Thickness min (mm)	1.517
Effective Tooth Thickness max (mm)	1.571
Effective Tooth Thickness min (mm)	1.539
Measurement with pins max (mm)	22.597
Measurement with pins min (mm)	22.548
Pin diameter (mm)	1.800
Fillet radius min (mm)	0.400



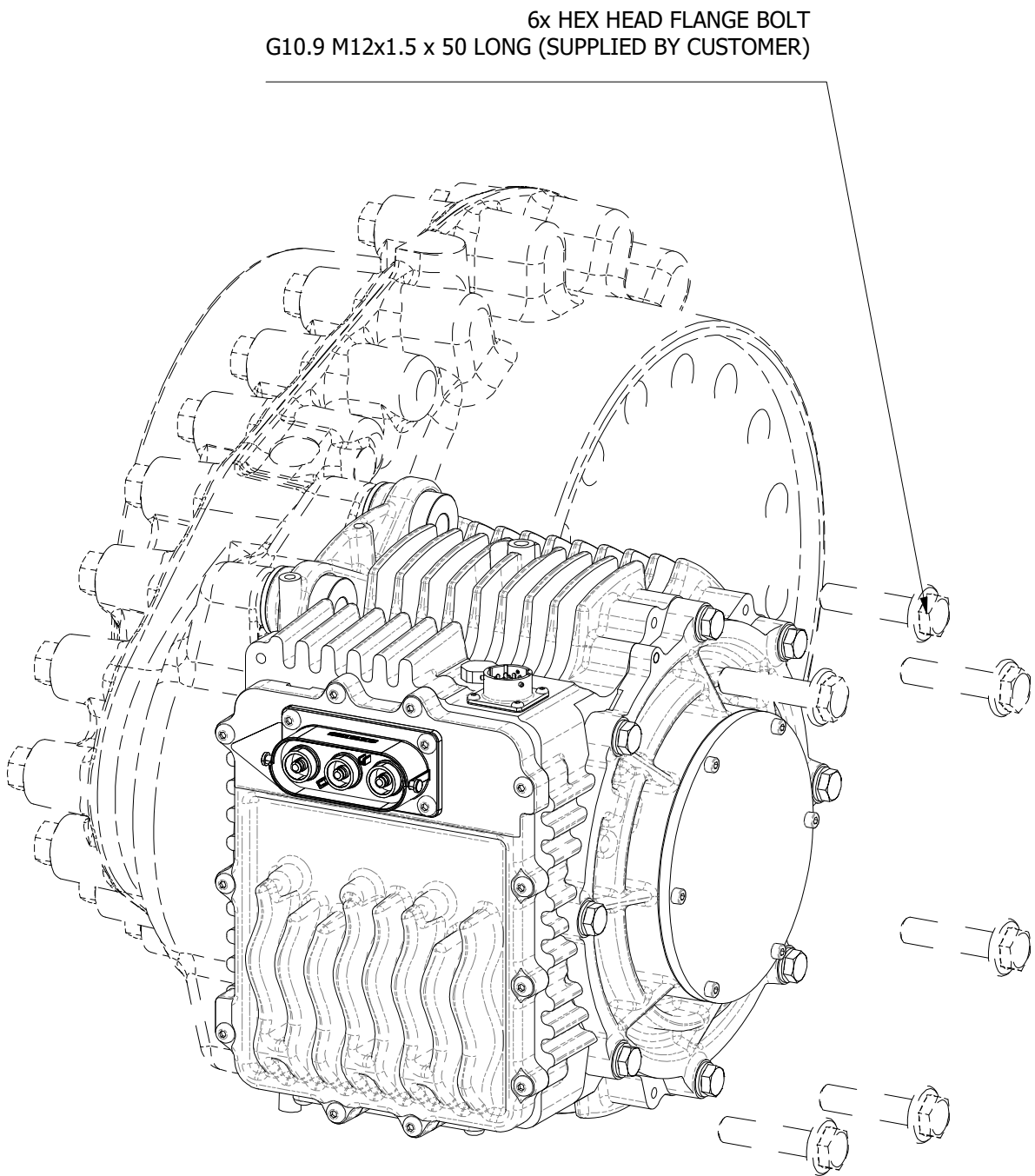
SECTION Y-Y (1 : 2)
6x MOUNTING HOLE'S



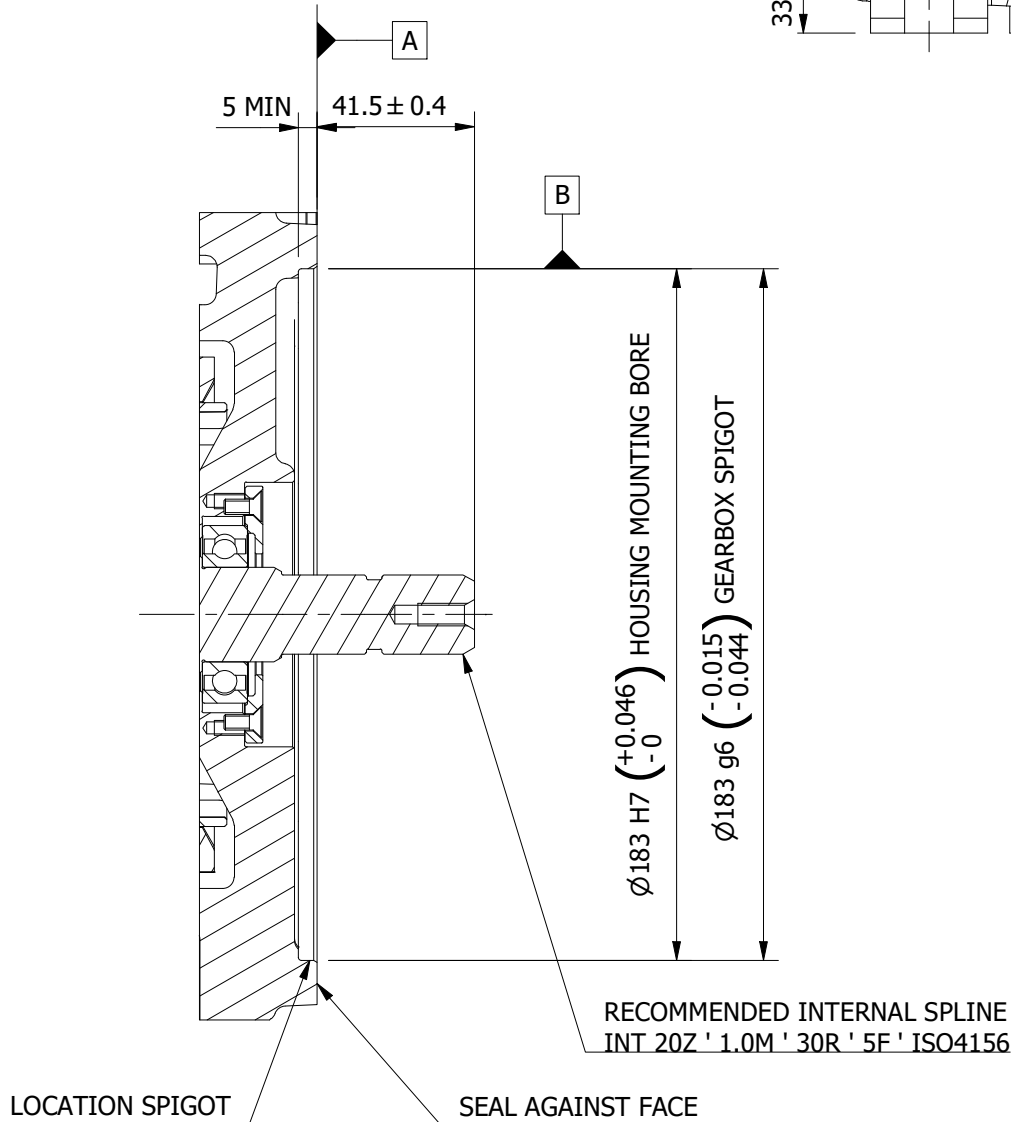
POSITIVE DIRECTION OF ROTATION: - CLOCKWISE
AS VIEWED ON THE DRIVE END

NOTE:

- MOTOR ASSEMBLY PART NUMBER AEM-21150100006.
- DRAWING TO BE READ IN CONJUNCTION WITH PRODUCT MANUAL, EDR-0561. SEE FOR INSTALLATION INSTRUCTIONS.
- ALL DIMENSIONS AND FEATURES SUBJECT TO CHANGE, OTHER THAN THOSE THAT AFFECT MOTOR MOUNTING AND SPACE ENVELOPE.
- MOUNTING DIMENSIONS TO SUIT SAF PART 91 422 6521 01
- ALL BRACKETED DIMENSIONS ARE FOR REFERENCE ONLY, e.g. "(000.0)".



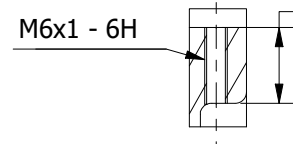
MOUNTING INSTRUCTIONS 1 : 3



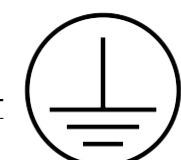
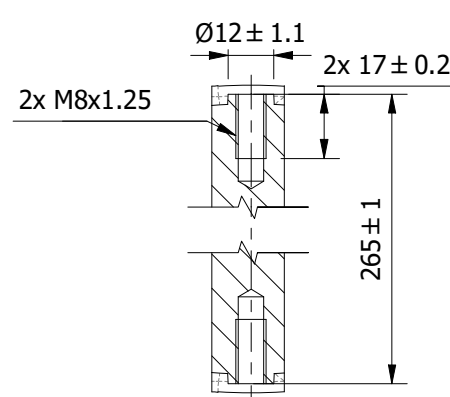
SECTION Z-Z
FLANGE MOUNTING DETAILS
SUGGESTED SEALING
CONTACT ADVANCED ELECTRIC MACHINES FOR SUPPORT

REVISION HISTORY					
ZONE	REV	DESCRIPTION	ENGINEER	APPROVED	DATE
Sht 2 E6 Sht 3	1	CO-25000047: Product label note modified and cowl mounting features added.	C.Sch	SB	13/08/2025
DRAWN/DESIGNER Caolan Schaible		DATE OF CREATION 11/06/2025	CHECKED Jessica Cookson	DATE 22/07/2025	APPROVED Surya Behara
MATERIAL		TITLE HDRM150 Interface Assembly			
STOCK					
MASS		28.82 kg			
AEM		Copyright Advanced Electric Machines Ltd 2023 Property of Advanced Electric Machines Ltd; no copying without permission		DRAWING NO. TSI-024	
				UNITS mm	REV. 1
				SCALE 1 : 2	SHEET 1 / 3
				STATUS Released	

SECTION X-X (1 : 2)
EARTHING POINT
(20)



SECTION W-W (1 : 2)
LIFTING EYES



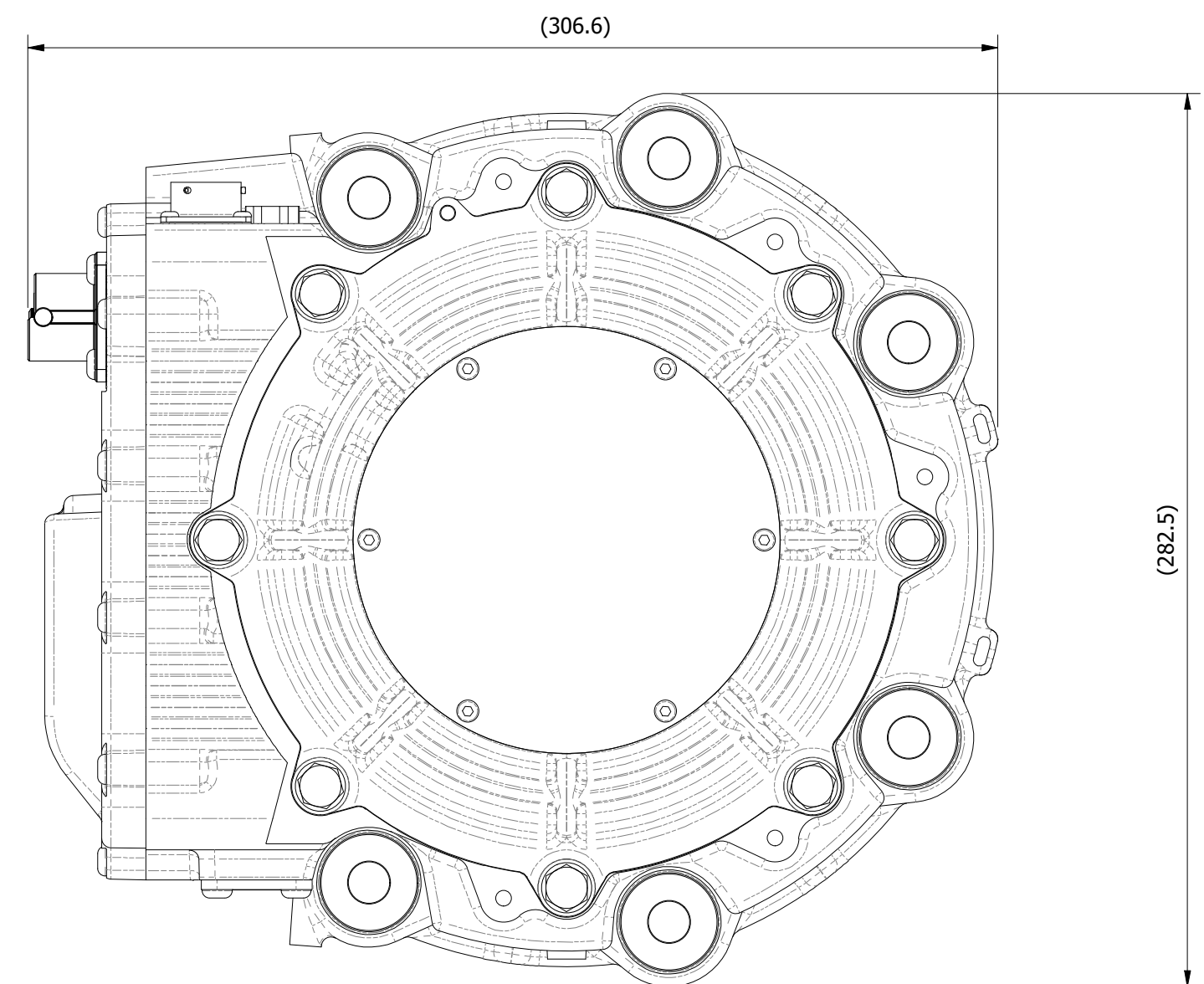
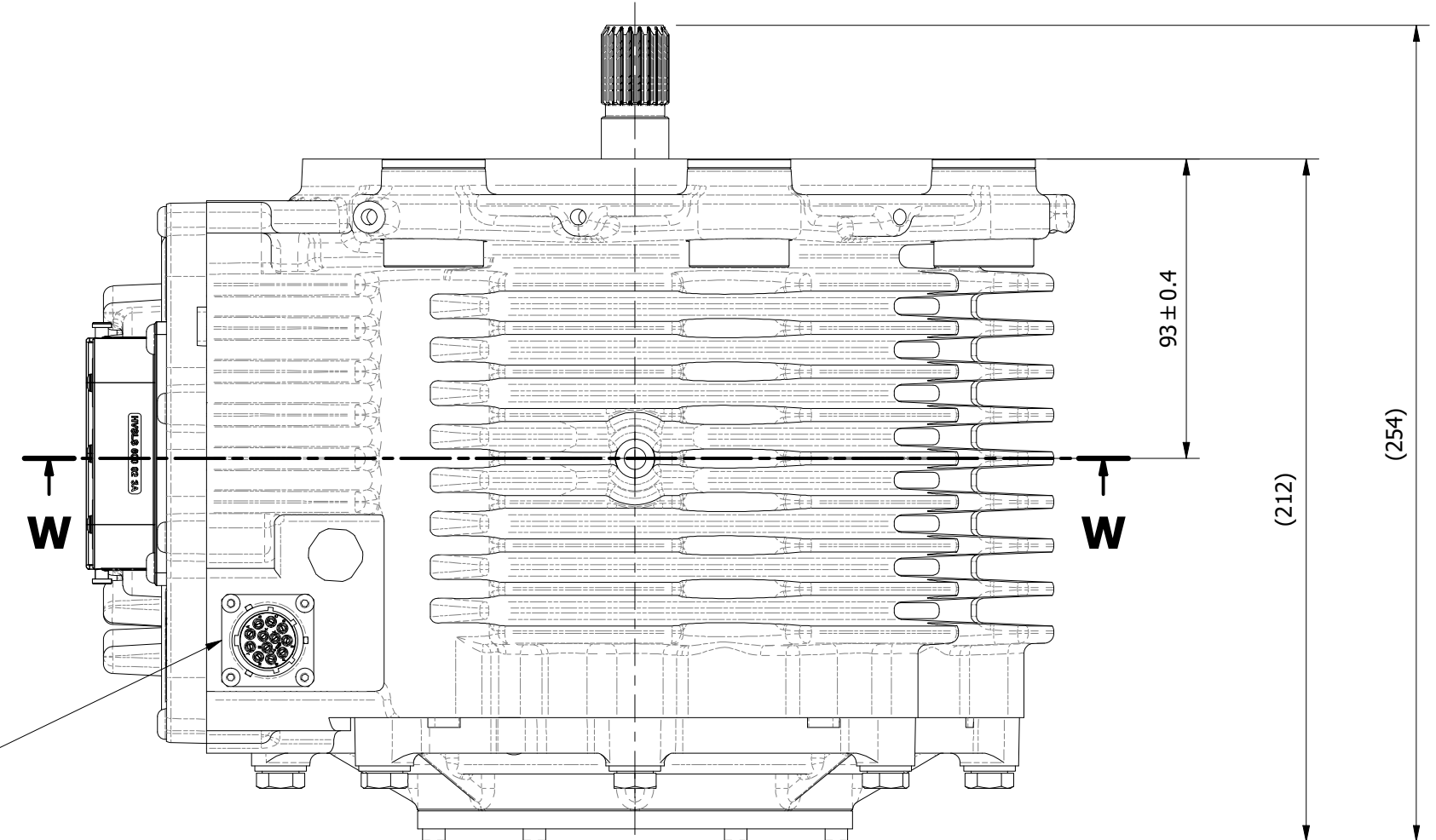
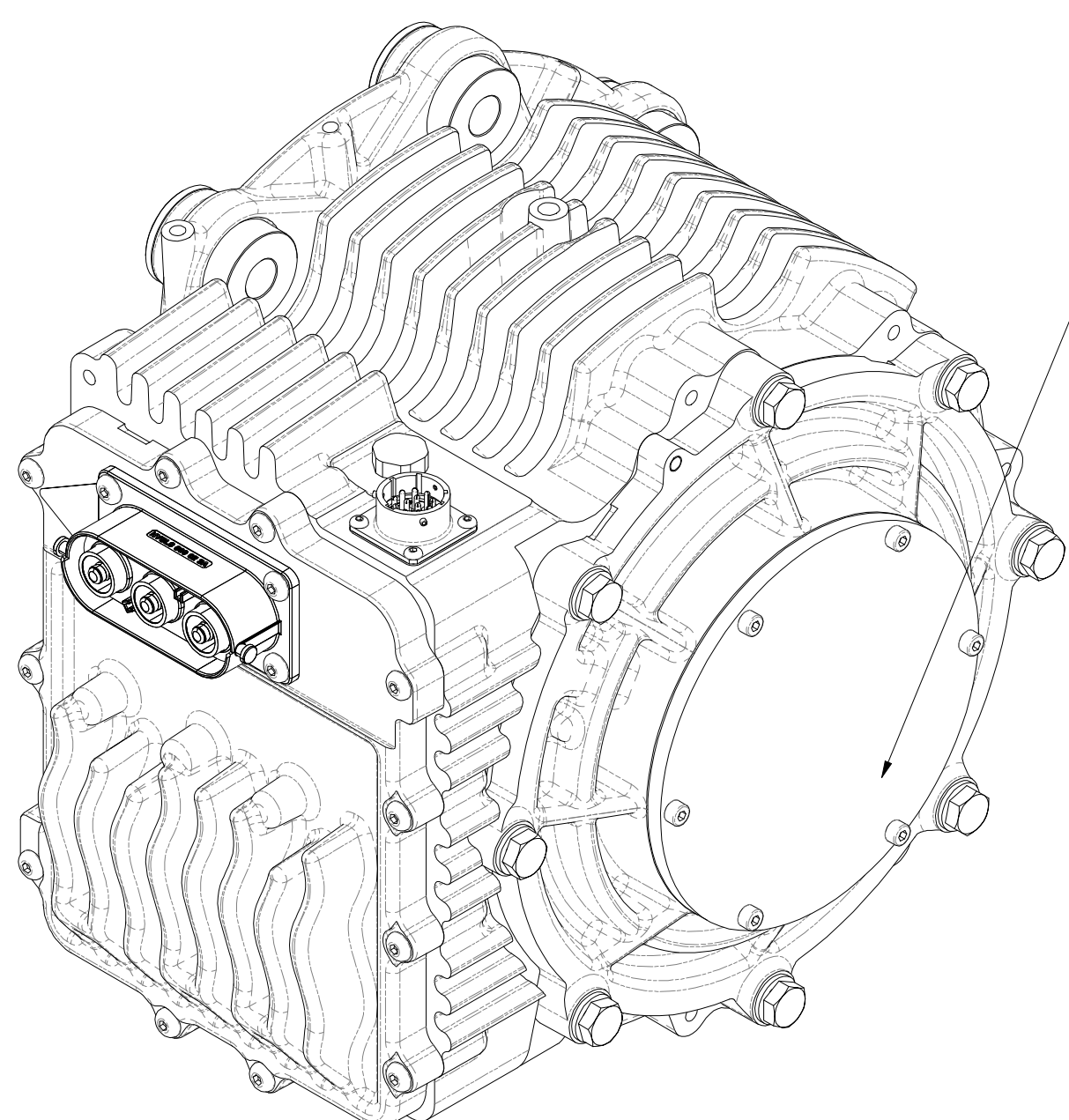
EARTHING POINT

HIGH VOLTAGE CONNECTION
AMPHENOL HVLS 600 02 3A
CONNECTOR

LOW VOLTAGE CONNECTION
AMPHENOL LPT02SE-14-XIIP(072)(72)
WITH PIN SOCKETS UPTC-SF-16P-20-3
SEE PRODUCT MANUAL

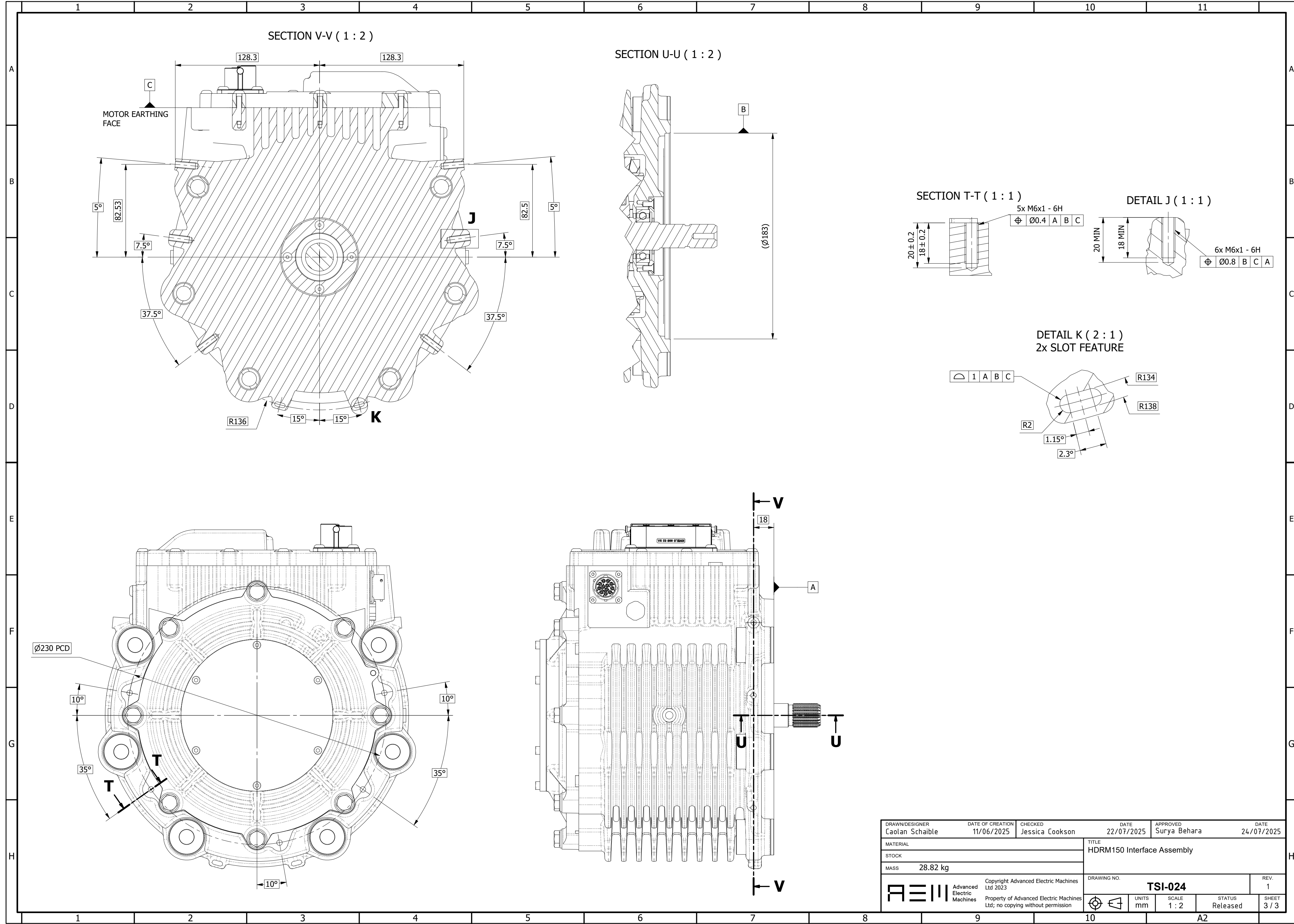
PHASE DESIGNATION

PRODUCT LABEL LOCATION
SEE EDR-0743



CONNECTIONS AND BASIC ENVELOPE
DIMENSIONS

DRAWN/DESIGNER Caolan Schaible	DATE OF CREATION 11/06/2025	CHECKED Jessica Cookson	DATE 22/07/2025	APPROVED Surya Behara	DATE 24/07/2025
MATERIAL	TITLE HDRM150 Interface Assembly				
STOCK					
MASS 28.82 kg					
DRAWING NO. TSI-024			REV. 1		
UNITS mm			SCALE 1 : 2	STATUS Released	SHEET 2 / 3



DRAWN/DESIGNER Caolan Schaible	DATE OF CREATION 11/06/2025	CHECKED Jessica Cookson	DATE 22/07/2025	APPROVED Surya Behara	DATE 24/07/2025
MATERIAL	TITLE HDRM150 Interface Assembly				
STOCK					
MASS 28.82 kg					
DRAWING NO. TSI-024			REV. 1		
UNITS mm			SCALE 1 : 2	STATUS Released	SHEET 3 / 3