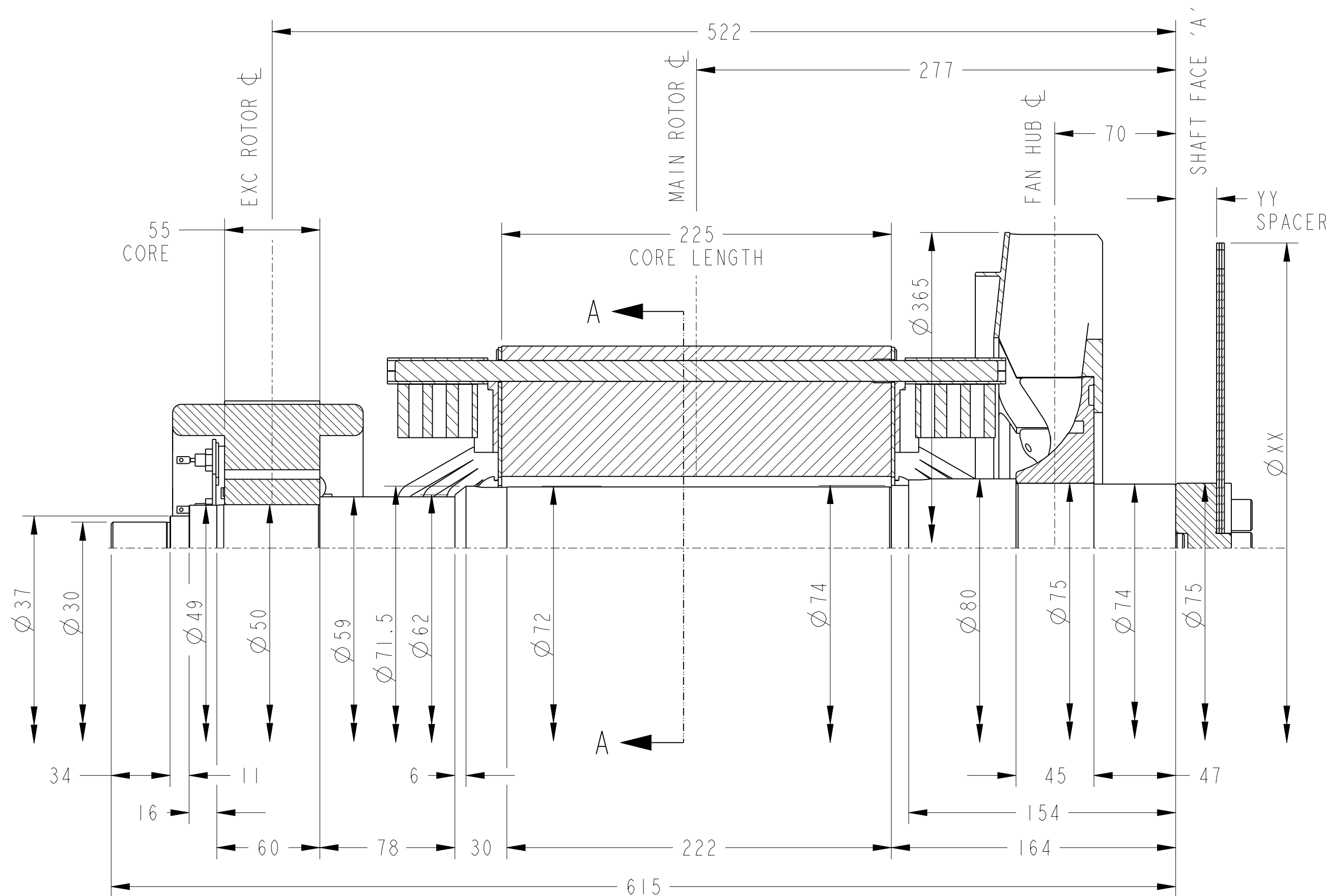




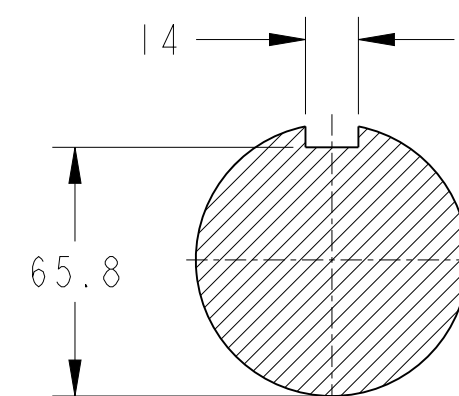
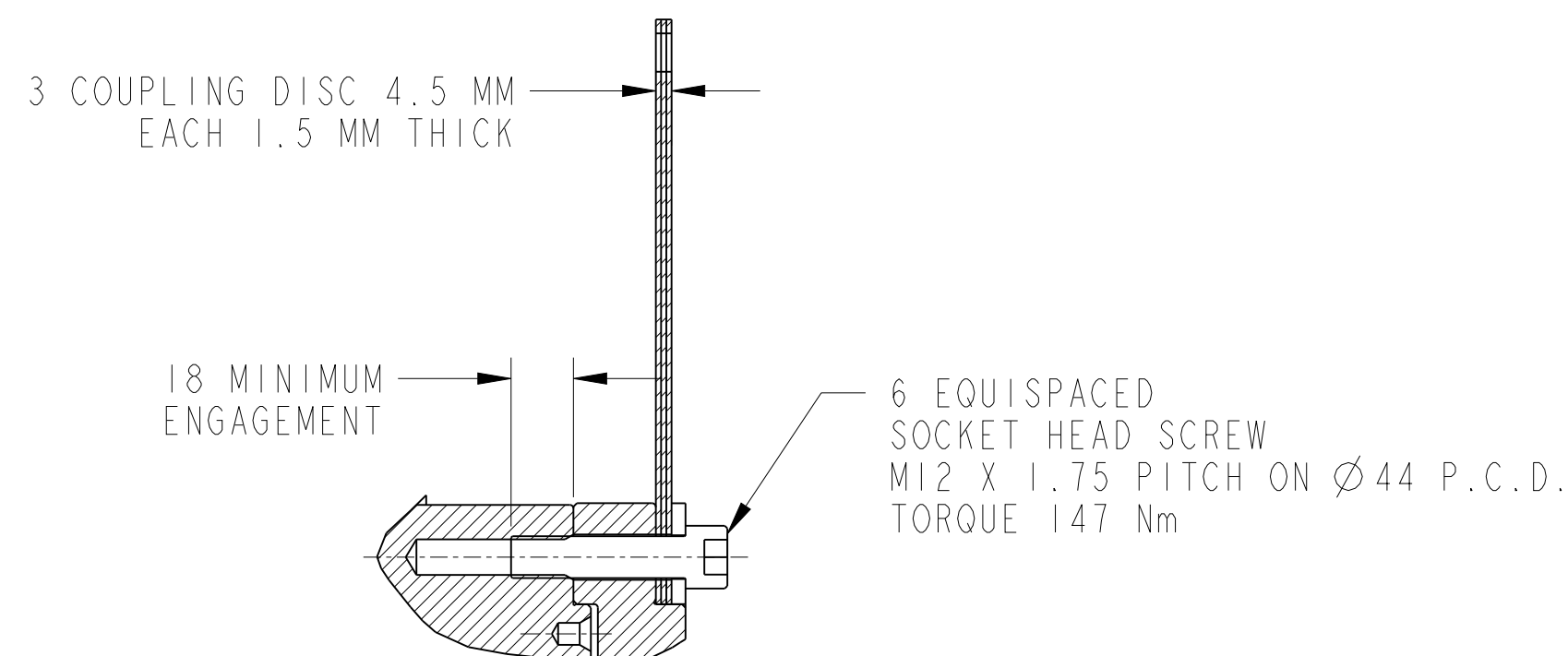
NOTES:

1. SHAFT STIFFNESS:
THE STIFFNESS OF THE SHAFT BETWEEN THE MAIN ROTOR CORE ϕ
AND THE SHAFT FACE 'A' = 8.796×10^6 kgcm/radian
(STIFFENING EFFECT OF MAIN ROTOR CORE IS NOT INCLUDED IN
THIS FIGURE)
2. SHAFT MATERIAL PROPERTIES : STEEL
MINIMUM YIELD : 260×10^6 N/m²
MINIMUM ULTIMATE TENSILE STRENGTH : 530×10^6 N/m²
SHAFT MATERIAL IS APPROVED BY MARINE AUTHORITIES WHEN APPROPRIATE
3. MAXIMUM RECOMMENDED VIBRATORY STRESS LEVEL IN THE SHAFT
IS 34.47×10^6 N/m² FOR SPEED RANGE OF 0.95 TO 1.1 x NOMINAL
SPEED, AND 68.94×10^6 N/m² FOR RUN THROUGH CONDITIONS, FOR
INDUSTRIAL MACHINES. FOR MARINE AUTHORITIES, THEIR
APPROPRIATE RULES WILL APPLY
4. CUMMINS GENERATOR TECHNOLOGIES LTD SHOULD BE NOTIFIED OF ANY
ROTORS NOT COMPLYING WITH THESE RULES
5. CUMMINS GENERATOR TECHNOLOGIES LTD BALANCE ROTORS TO COMPLY WITH
INTERNATIONAL STD ISO 1940 GRADE 2.5 AND BS 6861 PART 1 GRADE 2.5
6. FOR UNBALANCED MAGNETIC PULL (U.M.P.) FORCES PLEASE CONTACT
CUMMINS GENERATOR TECHNOLOGIES LTD

COUPLING SAE No.	COUPLING DIMENSIONS		TOTAL MASS OF COUPLING ASSEMBLY (kg)	COUPLING STIFFNESS (kgcm/rad)	COUPLING DISC WR ² (kgm ²)
	Ø XX mm	YY mm			
11.5	352	23.62	4.384	23.84 x 10 ⁶	0.0562
10	314	37.97	4.040	23.96 x 10 ⁶	0.0354

CONVERSION FACTORS			COMPONENT	Wt Kg	WR ² kgm ²
TO CONVERT	TO	DIVIDE BY			
kg	lb	0.453592	FAN	0.753	0.0138
kg m ²	lb ft ²	0.04214	FAN HUB	1.156	0.0048
kgcm/rad	lbin/rad	1.1521246	SHAFT	16.706	0.0103
N/m ²	lbf/in ²	6894.76	MAIN ROTOR	62.68	0.4504
			EXCITER ROTOR	8.2	0.0355
			TOTAL	89.5	0.5148

DRAWING SPECIFICATION DESCRIPTION
S2LID-E, 4P, 1B



SECTION A-A

PART NUMBER: A065K251	PART REVISION: E
PART NAME: ARRANGEMENT,GENERATOR ROTOR TORSIONAL	
DRAWING CATEGORY: OUTLINE	
STATE: RELEASED	SHEET: 1 OF 2
CUMMINS DATA CLASSIFICATION: CUMMINS CONFIDENTIAL	
THIS DOCUMENT (AND THE INFORMATION SHOWN THEREON) IS CONFIDENTIAL AND PROPRIETARY AND SHALL NOT BE DISCLOSED TO OTHERS IN HARD COPY OR ELECTRONIC FORM, REPRODUCED BY ANY MEANS, OR USED FOR ANY PURPOSE WITHOUT WRITTEN CONSENT OF CUMMINS INC.	

	Cummins Generator Technologies
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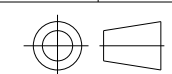


DIMENSIONS ARE IN: MILLIMETERS
[] ARE IN: -

SIZE: A2

SCALE: 1:2

DIMENSIONING AND TOLERANCING PER:
ASME Y14.5-2009



THIRD ANGLE PROJECTION

CAD SYSTEM
PTC® Creo® Parametric

SECTION THRU SHAFT END
AND COUPLING SCREWS OR BOLTS

	4	3	2	1																	
D	 <table><tr><td colspan="4">Part Number: A065K251</td></tr><tr><td>Change Notice</td><td>CN00197055</td><td>Alternates</td><td></td></tr><tr><td>Manufacturer Part (MEP)</td><td>No</td><td>Usage</td><td>Production Only</td></tr><tr><td>Release Phase Code</td><td>Production (P)</td><td rowspan="2">Drawing Specification</td><td>Number: DS47047235</td></tr><tr><td>External Regulations</td><td>No External Regulation</td><td>Revision: E</td></tr></table>	Part Number: A065K251				Change Notice	CN00197055	Alternates		Manufacturer Part (MEP)	No	Usage	Production Only	Release Phase Code	Production (P)	Drawing Specification	Number: DS47047235	External Regulations	No External Regulation	Revision: E	3D image provided when available for visual reference only.
Part Number: A065K251																					
Change Notice	CN00197055	Alternates																			
Manufacturer Part (MEP)	No	Usage	Production Only																		
Release Phase Code	Production (P)	Drawing Specification	Number: DS47047235																		
External Regulations	No External Regulation		Revision: E																		
C	Drawing Revision Information Description of Change(s) Note: Change information is provided for reference only and does not supersede the drawing's primary content. 1. ZONE B2, SHAFT WT 16.706 WAS 16.753 2. ZONE B1, SHAFT WR 0.0103 WAS 0.0104 3. ZONE B2, MAIN ROTOR WT 62.68 WAS 68.16 4. ZONE B1, MAIN ROTOR WR 0.4504 WAS 0.4850 5. ZONE B2, EXCITER ROTOR WT 8.2 WAS 8.46 6. ZONE B1, EXCITER ROTOR WR 0.0355 WAS 0.0375 7. ZONE B2, TOTAL WT 89.5 WAS 95.282 8. ZONE B1, TOTAL WR 0.5148 WAS 0.5515 9. UPDATE BORDERLINE ADMINISTRATIVE CHANGE(S) TO PART ATTRIBUTES, BILL OF MATERIAL, OR ASSOCIATED SPECIFICATIONS.																				
B	Drawing Authorization <table><tr><td>Drafter</td><td>Tilak S Jain</td><td>Date</td><td>30SEP2025</td></tr><tr><td>Checker</td><td>Sandip Bansode</td><td>Date</td><td>30SEP2025</td></tr><tr><td>Approver</td><td>NO APPROVAL REQUIRED</td><td>Date</td><td></td></tr></table>				Drafter	Tilak S Jain	Date	30SEP2025	Checker	Sandip Bansode	Date	30SEP2025	Approver	NO APPROVAL REQUIRED	Date						
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Approver	NO APPROVAL REQUIRED	Date																			
A	Cummins Data Classification: Cummins Confidential This document (and the information shown thereon) is Confidential and Proprietary and shall not be disclosed to others in hard copy or electronic form, reproduced by any means, or used for any purpose without written consent of Cummins Inc. Part Number: A065K251 Part Revision: E Part Name: ARRANGEMENT,GENERATOR ROTOR TORSIONAL Drawing Category: Outline State: Released Sheet 2 of 2																				
	4	3	2	1																	