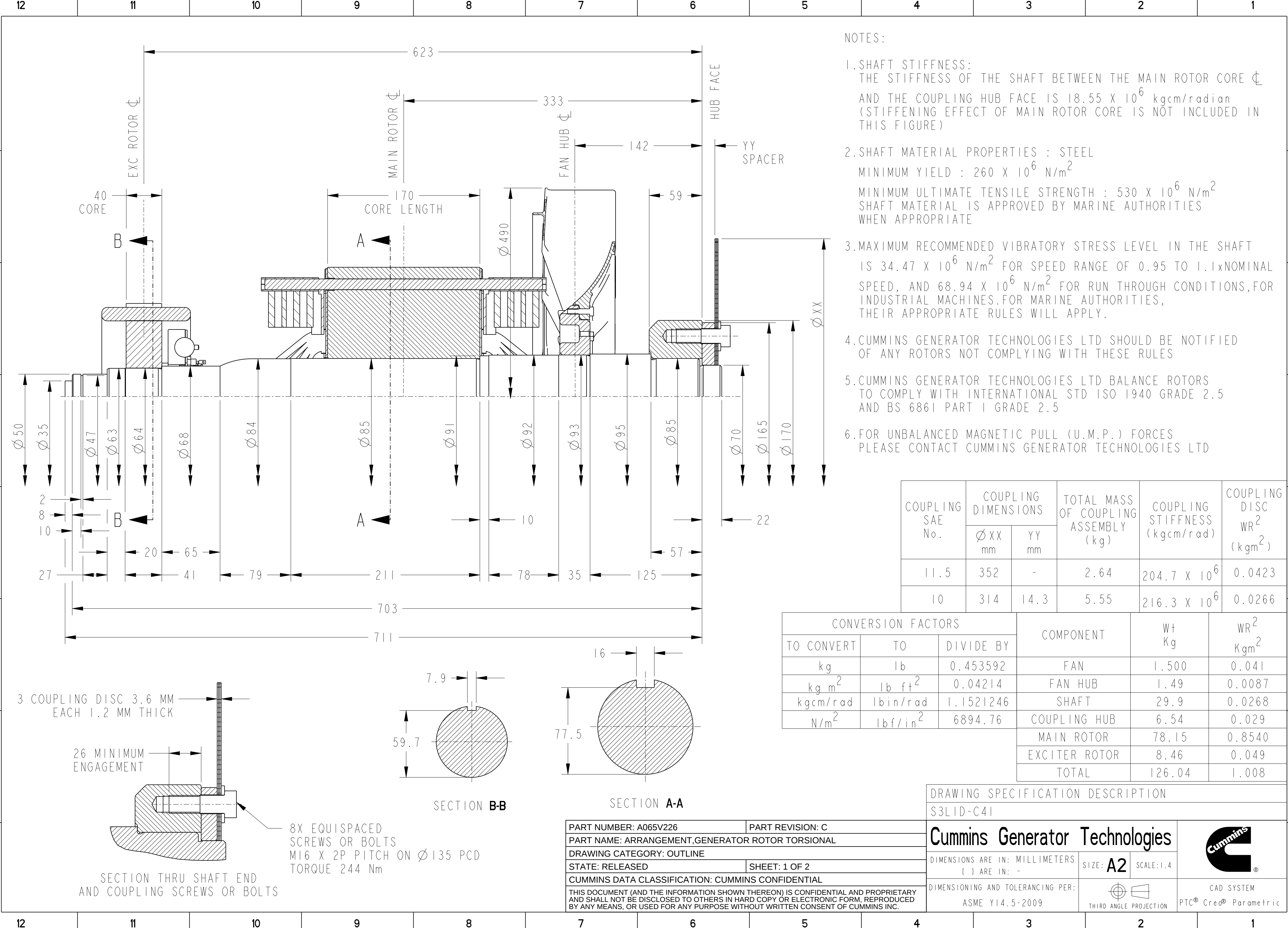




NOTES:

- 1.SHAFT STIFFNESS:
THE STIFFNESS OF THE SHAFT BETWEEN THE MAIN ROTOR CORE ϕ AND THE COUPLING HUB FACE IS 18.55×10^6 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 1.1xNOMINAL 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	-	2.64	204.7×10^6	0.0423
10	314	14.3	5.55	216.3×10^6	0.0266

CONVERSION FACTORS			COMPONENT	Wt Kg	WR ² Kgm ²
TO CONVERT	TO	DIVIDE BY			
kg	lb	0.453592	FAN	1.500	0.041
kg m ²	lb ft ²	0.04214	FAN HUB	1.49	0.0087
kgcm/rad	lbin/rad	1.1521246	SHAFT	29.9	0.0268
N/m ²	lbf/in ²	6894.76	COUPLING HUB	6.54	0.029
			MAIN ROTOR	78.15	0.8540
			EXCITER ROTOR	8.46	0.049
			TOTAL	126.04	1.008

DRAWING SPECIFICATION DESCRIPTION
S3LID-C4I

Cummins Generator Technologies

DIMENSIONS ARE IN: MILLIMETERS
[] ARE IN: -

DIMENSIONING AND TOLERANCING PER:
ASME Y14.5-2009

SIZE: A2

SCALE: 1:4

THIRD ANGLE PROJECTION

CAD SYSTEM
PTC® Creo® Parametric

PART NUMBER: A065V226	PART REVISION: C
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.	

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D	 <table><tr><td colspan="4">Part Number: A065V226</td></tr><tr><td>Change Notice</td><td>CN00208098</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: DS47053630</td></tr><tr><td>External Regulations</td><td>No External Regulation</td><td>Revision: C</td></tr></table>	Part Number: A065V226				Change Notice	CN00208098	Alternates		Manufacturer Part (MEP)	No	Usage	Production Only	Release Phase Code	Production (P)	Drawing Specification	Number: DS47053630	External Regulations	No External Regulation	Revision: C	3D image provided when available for visual reference only.
Part Number: A065V226																					
Change Notice	CN00208098	Alternates																			
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Release Phase Code	Production (P)	Drawing Specification	Number: DS47053630																		
External Regulations	No External Regulation		Revision: C																		
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 C2, FAN HUB WT "1.49" WAS "1.427" 2.ZONE C2, SHAFT WT "29.9" WAS "29.944" 3.ZONE B2, COUPLING HUB WT "6.54" WAS "6.59" 4.ZONE B2, MAIN ROTOR WT "78.15" WAS "83.91" 5.ZONE B1, MAIN ROTOR WR "0.8540" WAS "0.9059" 6.ZONE B2, EXCITER ROTOR WT "8.46" WAS "11.8" 7.ZONE B1, EXCITER ROTOR WR "0.049" WAS "0.065" 8.ZONE B2, TOTAL WT "126.04" WAS "135.171" 9.ZONE B1, TOTAL WR "1.008" WAS "1.0764" 10.UPDATE BORDERLINE ADMINISTRATIVE CHANGE(S) TO PART ATTRIBUTES, BILL OF MATERIAL, OR ASSOCIATED SPECIFICATIONS.																				
B	Drawing Authorization <table><tr><td>Drafter</td><td>Akshay K Kulkarni</td><td>Date</td><td>29DEC2025</td></tr><tr><td>Checker</td><td>Sandip Bansode</td><td>Date</td><td>29DEC2025</td></tr><tr><td>Approver</td><td>NO APPROVAL REQUIRED</td><td>Date</td><td></td></tr></table>				Drafter	Akshay K Kulkarni	Date	29DEC2025	Checker	Sandip Bansode	Date	29DEC2025	Approver	NO APPROVAL REQUIRED	Date						
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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: A065V226 Part Revision: C Part Name: ARRANGEMENT,GENERATOR ROTOR TORSIONAL Drawing Category: Outline State: Released Sheet 2 of 2																				
	4	3	2	1																	