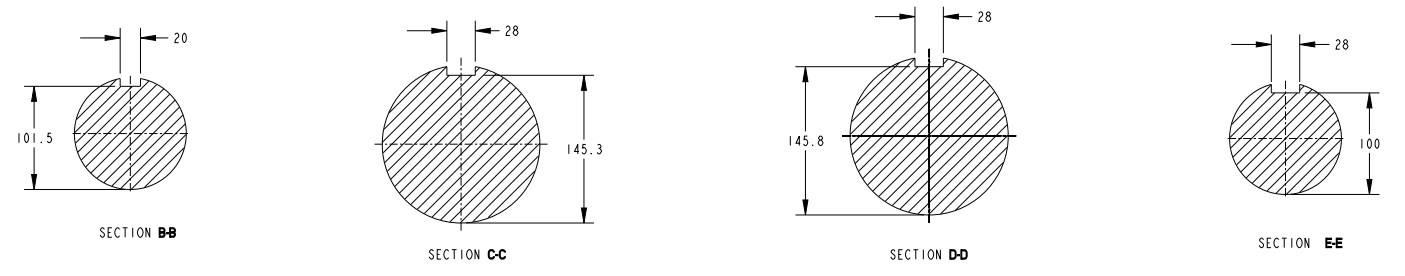


- NOTES:
1. SHAFT STIFFNESS:- THE STIFFNESS OF THE SHAFT BETWEEN THE MAIN ROTOR CORE AND THE SHAFT EXTENSION IS 37.62×10^6 KGCM/RADIAN (STIFFENING EFFECT OF MAIN ROTOR CORE IS NOT INCLUDED IN THIS FIGURE)
 2. SHAFT MATERIAL:- STEEL - C40E TO BSEN 10083-2 2006 (APPROVED BY MARINE AUTHORITIES WHEN APPROPRIATE)
 3. MAXIMUM RECOMMENDED VIBRATORY STRESS LEVEL IN THE SHAFT IS 34.47×10 N/m² FOR SPEED RANGE OF 0.95 TO 1.1 X NOMINAL SPEED AND 68.94×10 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 BS ISO 1940 PARTS 1 AND 2. BALANCE GRADE 2.5
 6. FOR UNBALANCED MAGNETIC PULL (U.M.P.) FORCES PLEASE CONTACT CUMMINS GENERATOR TECHNOLOGIES LTD

COMPONENT	Wt Kg	WR ² (KGM ²)
EX. ROTOR	44.02	0.6644
MAIN ROTOR	790	24.458
FAN	35.98	2.3407
SHAFT	197.77	0.5257
P.M. EXCITER ROTOR	4	0.011
P.M. STUB SHAFT	0.859	0.0003
TOTAL	1072.63	28.00

CONVERSION FACTORS		
TO CONVERT	TO	DIVIDE BY
kg	lb	0.453592
kg m ²	lb ft ²	0.04214
kgcm/rad	lbin/rad	1.1521246
N/m ²	lbf/in ²	6894.76



Cummins Generator Technologies			
DIMENSIONS ARE IN: MILLIMETERS		SIZE: A1	SCALE: 1:3.1
E J ARE IN: -		THIRD ANGLE PROJECTION	
DRAWING SPECIFICATION DESCRIPTION		CAD SYSTEM	
S6LID-H, 4P, 2B		PTC® Creo® Parametric	
DIMENSIONING AND TOLERANCING PER:		ASME Y14.5-2009	

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Part Number: **A058H238** Part Revision: **B**
 Part Name: **ARRANGEMENT, GENERATOR ROTOR TORSIONAL**
 Drawing Category: **Outline** State: **Released** Sheet 1 of 2



Part Number: A058H238

Change Notice	CN00081951	Alternates	
Manufacturer Part (MEP)	No	Usage	Production Only
Release Phase Code	Production (P)	Drawing Specification	Number: DS47120415
External Regulations	No External Regulation		Revision: A

3D image provided when available for visual reference only.

Drawing Revision Information

Description of Change(s)

Note: Change information is provided for reference only and does not supersede the drawing's primary content.

MINOR AMENDMENTS

ADMINISTRATIVE CHANGE(S) TO PART ATTRIBUTES, BILL OF MATERIAL, OR ASSOCIATED SPECIFICATIONS.

Drawing Authorization

Drafter	Aishwarya Rajaram Shelar	Date	10JAN2023
Checker	Kuldeep Dilip Pawar	Date	10JAN2023
Approver	NO APPROVAL REQUIRED	Date	

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