

6	5		4	3	2		1				
		NOTES:									
		I. SHA	AFT_STIFFNESS:-								
	THE STIFFNESS OF THE SHAFT BETWEEN THE MAIN ROTOR CORE ∉ AND THE SHAFT EXTENSION ∉ IS 2.4215 x 10 <sup>6</sup> kgcm/radian (STIFFENING EFFECT OF MAIN ROTOR CORE IS NOT INCLUDED IN THIS										
		anl (St	TIFFENING EFFECT	OF MAIN ROT	2.4215 x tu DR CORE IS N(	kgcm/r DT INCL	aaian UDED IN THIS				
		F   (-	GURE)								
			AFT MATERIAL:-	<u>^</u> ^							
			NIMUM YEILD : 26		2						
184.5			NIMUM TENSILE : EEL - C40E TO BS								
			PROVED BY MARINE			RIATE		G			
41 3. MAXIMUM RECOMMENDED VIBRATORY STRESS LEVEL IN THE SHAFT											
IS 34.47 x 10 <sup>6</sup> N/m <sup>2</sup> OF 0.95 TO I.I x NOMINAL SPEED,											
	Z		) 68.94 x 10 <sup>6</sup> N/ Chines.for marin	m <sup>2</sup> FOR RUN THI	ROUGH CONDIT	IONS, FO	R INDUSTRIAL				
	EXTN	WIL	L APPLY.CUMMINS	GENERATOR TE	ECHNOLOGIES L	_TD SHO	ULD BE				
		NOT	TIFIED OF ANY RO	TORS NOT COM	PLYING WITH T	THESE R	ULES	F			
	SHA		MINS GENERATOR								
		WIT GRA	ADE 2.5	STD ISO 1940	J PARIS I ANI	) 2. BA	LANCE				
	i i A	5 FOR	R UNBALANCED MAG	NFTIC PIIII (I	IMP) PIFAS	SE CONT	АСТ				
	A		IMINS GENERATOR								
								E			
						wr <sup>2</sup>					
			COMI	PONENT	MASS (Kg)	(Kgm <sup>2</sup> )	)				
0				SHAFT		0.0056	<u>S</u>				
Ø 20	Ø 48			ROTOR	36.1	0.2095		D			
¥						0.0249					
				DTAL	57.113	0.2582					
	— <b>▶</b> A		L		I						
40	82			ONVERSION FAC		]					
			TO CONVER		DIVIDED BY	_		С			
			Kg	l b	0.453592	_					
			K gm <sup>2</sup>	lbft <sup>2</sup>	0.04214	_					
			Kgcm/rad		1.1521246	_					
			N / M <sup>2</sup>	lbf/in <sup>2</sup>	6894.76						
								В			
					WING SPECIFI	CATION	DESCRIPTION	-			
						<u> </u>		-			

SIL2-G,4P,2B cummins PART REVISION: A Cummins Generator Technologies DIMENSIONS ARE IN: MILLIMETERS SIZE: A2 SCALE: 1:6 SHEET: 1 OF 2 DIMENSIONING AND TOLERANCING PER:  $\bigcirc \bigcirc \bigcirc$ 

3

THIRD ANGLE PROJECTION

2

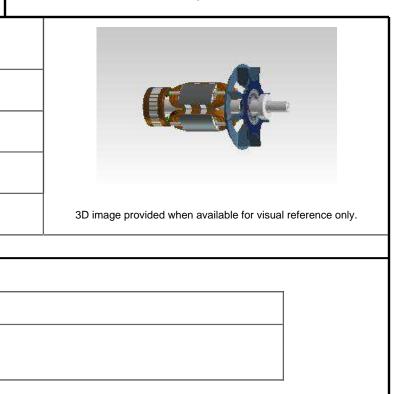
ASME YI4.5-2009

4

5

CAD SYSTEM PTC<sup>®</sup> Creo<sup>®</sup> Parametric Α

4			3				2				
		Part Number: A077W752									
D	cummins	Change Notice	CN00160925	Alternates							
	CUL	Manufacturer Part (ME	P) No	Usage	Produc	ction Only					
	®	Release Phase Code	Production (P)	Drawing	Numbe	er: DS47163889					
		External Regulations	No External Regulation	Specification	Revisio	on: A					
	Drawing Revision Information										
	Description of Change(s)										
	SEE CHANGE NOTICE.		a supersede the drawing's primary conte								
С	PRODUCTION RELEASE										
	Drawing Authorization										
	Drafter Aishwarya Rajaram S	Shelar		Date	Date 30						
	Checker Kuldeep Dilip Pawar		Date								
	Approver Alin Dumitru Visian			Dat	e	02MAY2025					
В											
А	Cummins Confidential Co	onfidential and Propriet hard copy or electronic f	formation shown thereon) is t <b>ary</b> and shall not be disclosed to oth orm, reproduced by any means, or u itten consent of Cummins Inc.	ners Ised			Part Name: <b>ARRANG</b> Drawin				
	4		3			2					
			J								



Part Number: A077W752 Part Revision: A EMENT, GENERATOR ROTOR TORSIONALCategory: Outline State: ReleasedSheet 2 of 2 Sheet 2 of 2