

NOTES!

SHAFT STIFFNESS:-

THE STIFFNESS OF THE SHAFT BETWEEN THE MAIN ROTOR CORE ¢
AND SHAFT EXTENSION ¢ IS 71,166 x 10 kgcm/radian
(STIFFENING EFFECT OF MAIN ROTOR CORE IS NOT INCLUDED IN THIS FIGURE)

SHAFT MATERIAL:-

STEEL - C40E TO BSEN 10083-2 2006 (APPROVED BY MARINE AUTHORITIES WHEN APPROPRIATE)

MAXIMUM RECOMMENDED VIBRATORY STRESS LEVEL IN THE SHAFT IS 34.47 X 10⁶ N/m? FOR SPEED RANGE OF 0.95 TO 1.1 X NOMINAL SPEED AND 68.94 X ⁶ 10 N/m? FOR RUN THROUGH CONDITIONS, FOR INDUSTRIAL MACHINES. FOR MARINE AUTHORITIES, THEIR APPROPRIATE RULES WILL APPLY.

CUMMINS GENERATOR TECHNOLOGIES LTD SHOULD BE NOTIFIED OF ANY ROTORS NOT COMPLYING WITH THESE RULES. CUMMINS GENERATOR TECHNOLOGIES LTD BALANCE ROTORS TO COMPLY WITH INTERNATIONAL STD BS ISO 1940 PARTS 1 DAND 2. BALANCE GRADE 2.5

TOR UNBALANCED MAGNETIC PULL (U.M.P.) REFER TO THE FACTORY.

Wt kg	WR²kgm²
46,791	0,7758
1153,789	44,8113
28,800	1,6520
328,146	1,1656
6,970	0,0190
0,929	0,0003
_	_
1565,425	48,4240
	46,791 1153,789 28,800 328,146 6,970 0,929

CON	VERSION FACT	ORS	
TO CONVERT	ТО	DIVIDE BY	
kg	lb	0,453592	
kg m²	lb ft²	0,04214	
kgcm/rad	lbin/rad	1,1521246	
N/m^2	lbf/in²	6894,76	

						P7F TWO BEARING	SCALE FIRST W.O.
					(ONLY IF SIGNED) BY	MOMENTS OF INCIVITA	UNIT OF MEASUREMENT
5-0448-02	2 C	TW	06.06.10	DIMENSIONING CLEANED UP.	DATE	AND SHAFT DETAILS	(SHEET 1:10) MILLIMETRES (mm)
5-0448-0	1 B	AJB	02.02.10	CHANGES TO STEEL SPECIFICATION; STANDARDS REFERENCES. CHANGE OF COMPANY NAME.	DRAWN SMC 11.07.03	CUMMINS GENERATOR	I I I I I I I I I I I I I I I I I I I
4/6745/9	9 A	SMC	11.07.03	ORIGINAL ISSUE	CHECK AJB 06.06.10		1 15-12905 6
MOD'N	ISSU	DRAWN	DATE	ALTERATION	APPR'D JKB 06.06.10	TECHNOLOGIES LTD.	