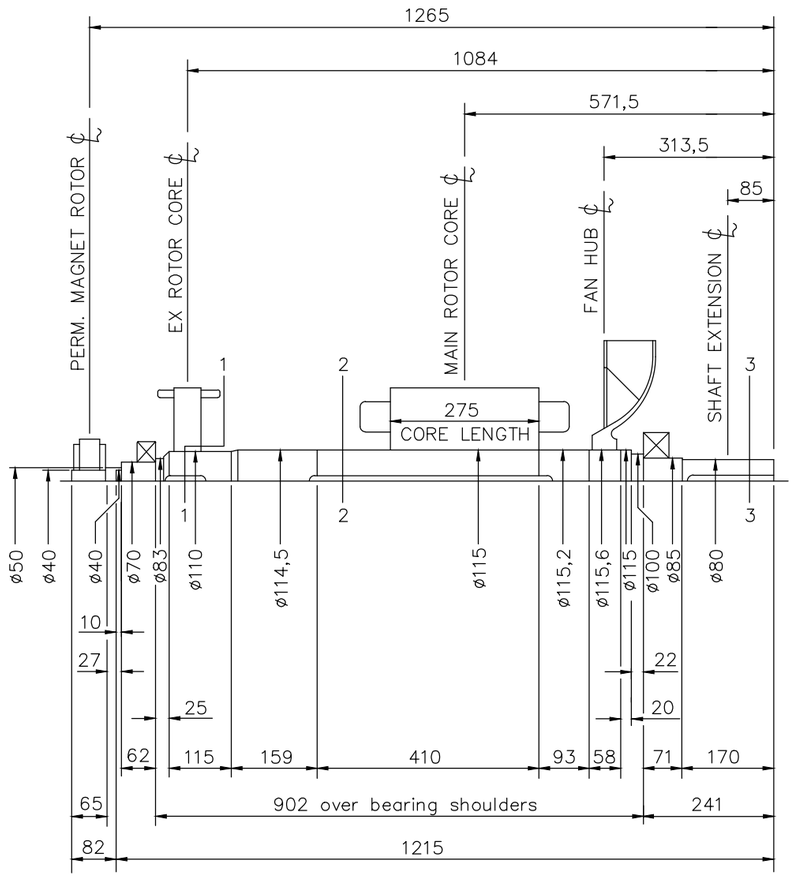
AutoCad

REL NO	REV	NO	REVISION	DWN	CKD	APVD	DATE
ECO–166162	A	1	RELEASED FOR PRODUCTION	PP	AB	B.SURVE	14NOV16



NOTES!
SHAFT STIFFNESS: –
THE STIFFNESS OF THE SHAFT BETWEEN THE MAIN ROTOR CORE ℄
AND THE SHAFT EXTENSION ℄ IS 14,57 x 10^6kgcm/radian
(STIFFENING EFFECT OF MAIN ROTOR CORE IS NOT INCLUDED IN THIS FIGURE)

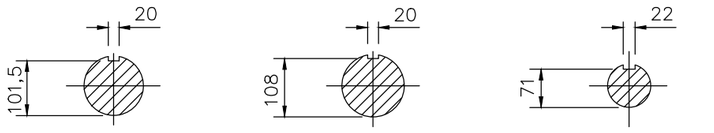
SHAFT MATERIAL: –
STEEL – C40E TO BSEN 10083–2 2006 (APPROVED BY MARINE AUTHORITIES WHEN APPROPRIATE)
MAXIMUM RECOMMENDED VIBRATORY STRESS LEVEL IN THE SHAFT IS 34.47 X 10^6N/m² FOR SPEED RANGE OF 0.95 TO 1.1 X NOMINAL SPEED AND 68.94 X 10^6 N/m² FOR RUN THROUGH CONDITIONS, FOR INDUSTRIAL MACHINES.
FOR 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 AND 2. BALANCE GRADE 2.5

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

COMPONENT	Wt kg	WR² kgm²
EX.ROTOR	31,290	0,5100
MAIN ROTOR	172,090	2,4450
FAN	9,910	0,2630
SHAFT	82,668	0,1241
P.M. STUB SHAFT	0,955	0,0002
P.M. EX. ROTOR	4,260	0,0120
–	–	–
–	–	–
TOTAL	301,173	3,3543

CONVERSION FACTORS		
TO CONVERT	TO	DIVIDE BY
kg	lb	0,453592
kg m²	lb ft²	0,04214
kgcm/rad	lbin/rad	1,1521246
N/m²	lbf/in²	6894,76



UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN MILLIMETERS

SCALE NTS

SIM TO L15–12484

DO NOT SCALE PRINT

DRAWN	P.PACHPUTE
CHECKED	A.BIRARI
APPROVED	B.SURVE
DATE	14NOV16

FOR INTERPRETATION OF DIMENSIONING AND TOLERANCING, SEE ASME Y14.5–2009

FIRST USED ON S4

SITE CODE STA

CUMMINS GENERATOR TECHNOLOGIES

DRAWING, TORSIONAL

S4 C 2–BRG Ø80 X 170

DWG SIZE A0

A056N869

CAD SHEET 1 OF 1