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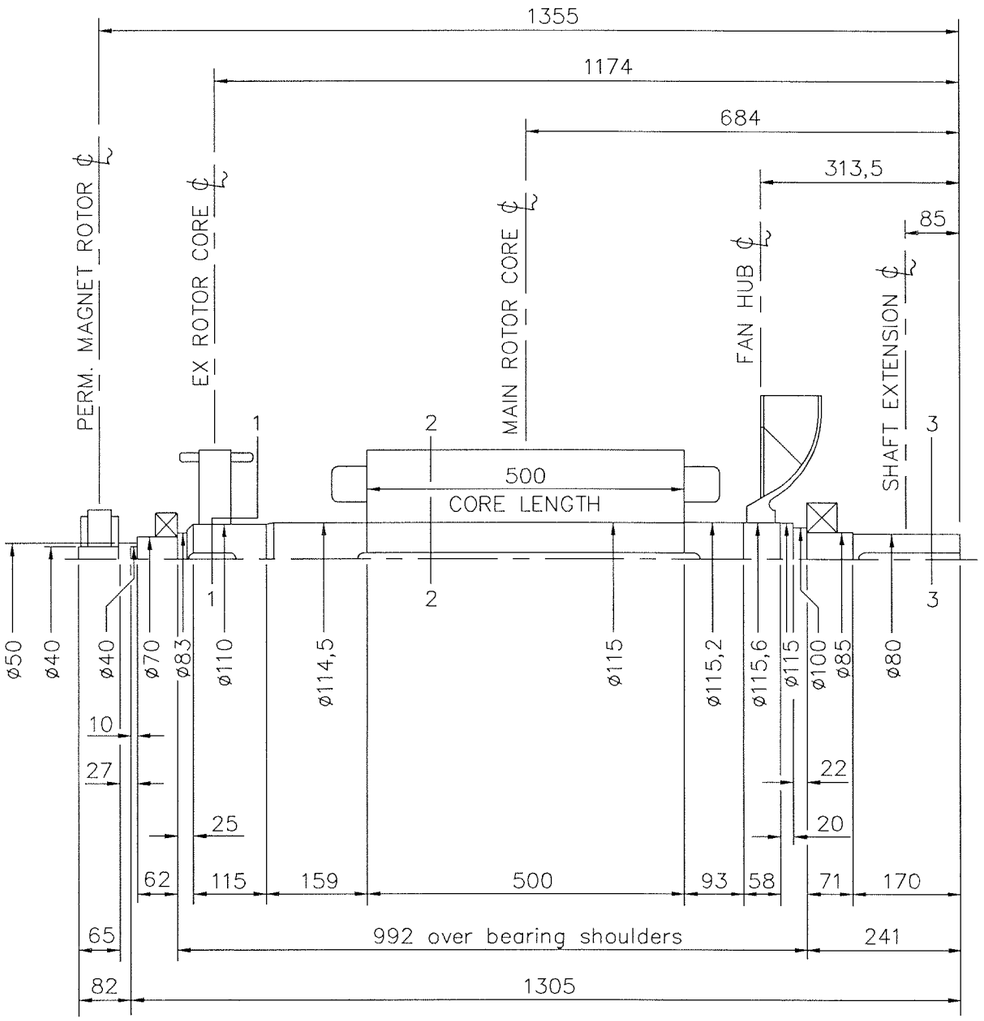
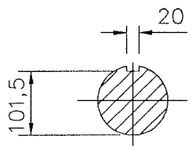
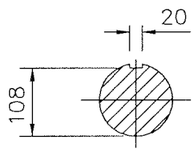
IF IN DOUBT-ASK
DO NOT SCALE

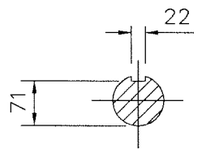




SECTION 1-1



SECTION 2-2



SECTION 3-3

NOTES!

SHAFT STIFFNESS: -

THE STIFFNESS OF THE SHAFT BETWEEN THE MAIN ROTOR CORE ℄ AND THE SHAFT EXTENSION ℄ IS 13,02 x 10^6 kgcm/radian (STIFFENING EFFECT OF MAIN ROTOR CORE IS NOT INCLUDED IN THIS FIGURE)

SHAFT MATERIAL: -

STEEL - 080M40 TO BS970 PART 1 (APPROVED BY MARINE AUTHORITIES WHEN APPROPRIATE).

MAXIMUM RECOMMENDED VIBRATORY STRESS LEVEL IN THE SHAFT IS 34,47 x $10^6 N/m^2$ FOR A SPEED RANGE OF 0,95 TO 1,1 x NOMINAL SPEED, AND 68,94 x $10^6 N/m^2$ FOR RUN THROUGH CONDITIONS, FOR INDUSTRIAL MACHINES.

FOR MARINE AUTHORITIES, THEIR APPROPRIATE RULES WILL APPLY.

NEWAGE INTERNATIONAL LTD. SHOULD BE NOTIFIED OF ANY ROTORS NOT COMPLYING WITH THESE RULES.

NEWAGE INTERNATIONAL LTD. BALANCE ROTORS TO COMPLY WITH INTERNATIONAL STD. I.S.O. 1940 GRADE 2,5 AND B.S. 6861 PART 1 GRADE 2,5.

FOR UNBALANCED MAGNETIC PULL (U.M.P.) FORCES REFER TO GENERATOR MANUAL.

COMPONENT	Wt kg	WR² kgm²
EX.ROTOR	31,290	0,5100
MAIN ROTOR	303,410	4,3090
FAN	9,910	0,2630
SHAFT	90,010	0,1362
P.M. STUB SHAFT	0,955	0,0002
P.M. EX. ROTOR	4,260	0,0120
—	—	—
—	—	—
TOTAL	439,835	5,2304

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

MOD'N	ISSUE	DRAWN	DATE	ALTERATION
4/3000/2	B	S.M.C.	30.06.00	MAIN ROTOR & TOTAL WEIGHT MODIFIED
4/3000/1	A	S.M.C.	23.06.00	ORIGINAL ISSUE

CERTIFIED PRINT (ONLY IF SIGNED)

BY

DATE

DRAWN	S.M.C.	23.06.00
CHECKED	S.M.C.	17.7.00
APPROVED	R.D.W.	17/7/00

HC434 2F - TWO BEARING MOMENTS OF INERTIA AND SHAFT DETAILS

NEWAGE INTERNATIONAL Ltd
STAMFORD ENGLAND

SCALE NTS

FIRST W.O.

UNIT OF MEASUREMENT MILLIMETRES (mm)

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