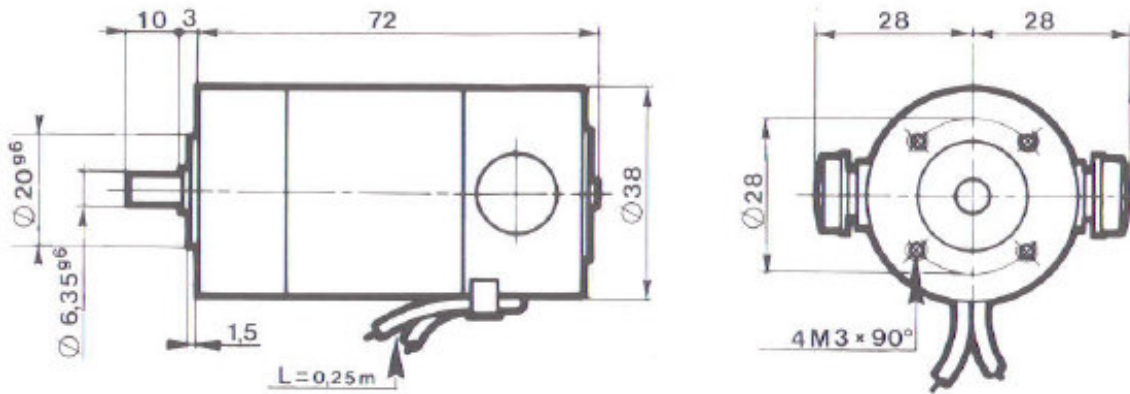
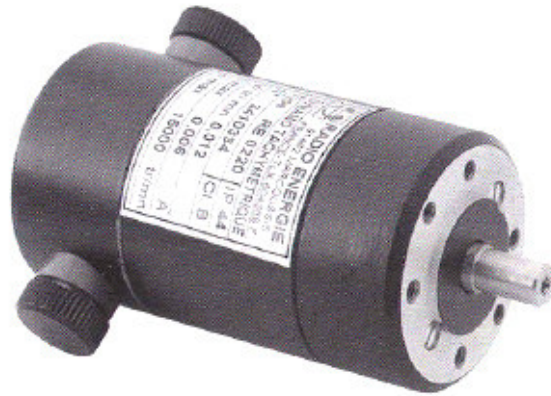


TYPE RE . 0220

Weight Kg 0,3 0,15



GENERAL DATA

Designation	Symb	Unit	Val
Max. Speed (Mechanical)	n_m	tr/min rpm U/min	15000
Moment of inertia	J	Kg cm ²	0,05
No load driving torque	M_r	N.cm	0,40
Max. radial shaft stress	F	da N	0,2
Max. E.M.F.	E_{rn}	V	200
Max. linearity error	ΔE	% Et	$\leq 0,15$

Overall ripple rate (Peak to Peak)	ΔE_C	% E_C	≤ 5
Rotation harmonics ($f = 2p.n.$)	ΔE_p	% E_C	$\leq 0,5$
Slot harmonics ($f = Z n$)	ΔE_Z	% E_C	$\leq 4,5$
Calibration Precision	ΔE_0	% E_{T0}	± 1
E.M.F. temp drift -- not compensated -- compensated	ΔE_e	%C	0,02 -
Time constant	C_t	ms	1,0
* Filter : Time constant of filter Load Current Speed	$R_f \times R_c$ I_c n	Ms mA tr / min rpm U / min	0,2 3 3000

CONSTRUCTION DETAILS		
Number of Poles	2P	2
Number of armature slots	Z	9
Number of collector blades	K	18
Insulation class		B (IEC34 – 1)
Operating temperature		-30° – 130°C
Climatic protection		Ca (IEC68 – 1)
Protection degree		IP 44 (IEC34 – 5)
Direction of rotation : reversible		
Excitation : permanent magnets : Alnico		

We reserve the right to modify technical features in the interest of technological advance.

DESTINATION

- General Application
- Small Size

DESCRIPTION

- Small DC Tachometer Generator
- Permanent magnet excitation
- Cable connection
- Brushes easily accessible
- Flange B 14

MECHANICAL OPTIONS

SHAFT ENDS AND BEARINGS

	Mounting Side			Opposite Mounting Side		
	D (mm)	L (mm)	Bearings	D (mm)	L (mm)	Bearings
Standard	6,35	10	7 x 19 x 6 ZZ	-	-	4 x 13 x 5 ZZ
Max.	6,35	-	7 x 19 x 6 ZZ	4	-	4 x 13 x 5 ZZ

OPTIONS

Special end Shield

Available options on 2nd shaft ends

MARKINGS AND POLARITY OF TERMINALS FOR COUNTER-CLOCKWISE ROTATION VIEWING THE MOUNTING FACE

1 collector	2 collectors		
White – Red White - Blue	Coll. 1		Coll. 2

ELECTRICAL OPTIONS

			Min.			Max.
E.M.F. at 1000 rpm	E_n	V	5	7	10	12
Voltage gradient	C_v	V / rpm	0,005	0,007	0,010	0,012
Armature resistance	R_a	Ω	25	50	100	150
Max. thermal load	I_{th}	A	0,12	0,09	0,06	0,05
Max. allowed speed	n_a	rpm	15000	15000	15000	15000

BRUSHES

No.	Sizes	Grade	Application	Ref.
	mm	Electro graphite		
2	2,3 x 6,2 x 10	Silver Graphite	Standard for normal use of E.M.F. - < 200 V	23 - 62 - CA