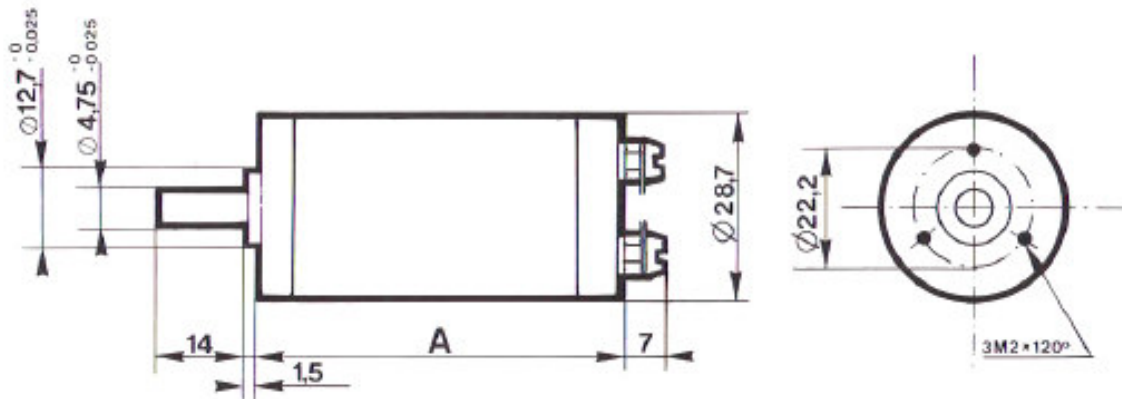


TYPE RE .0110 RE .0122

TYPE		RE.0110	RE 0.122
A	mm	46	58
Weight	Kg	0,10	0,15



GENERAL DATA

Designation	Symb	Unit	Val	Val
			110	122
Max. Speed (Mechanical)	n_m	tr/min rpm U/min	12000	12000
Moment of inertia	J	Kg cm ²	0,011	0,024
No load driving torque	Mr	N.cm	0,10	0,16
Max. radial shaft stress	F	da N	0,10	0,10
Max. E.M.F.	Ern	V	100	100
Max. linearity error	ΔE	% Et	$\leq 0,15$	$\leq 0,15$
Overall ripple rate (Peak to Peak)	ΔE_C	% E _C	≤ 3	≤ 3
Rotation harmonics (f = 2p.n.)	ΔE_p	% E _C	$\leq 0,3$	$\leq 0,3$
Slot harmonics (f = Z n)	ΔE_Z	% E _C	$\leq 2,7$	$\leq 2,7$
Calibration Precision	ΔE_0	% E _{T0}	± 1	± 1
E.M.F. temp drift -- not compensated -- compensated	ΔE_e	%C	- 0,005	- 0,005
Time constant	C _t	ms	0,2	0,2
* Filter : Time constant of filter	R _f X R _c	Ms	0,33	0,33
Load Current	I _c	mA	3	3
Speed	n	tr / min rpm U / min	3000	3000

CONSTRUCTION DETAILS		
Number of Poles	2P	2
Number of armature slots	Z	11
Number of collector blades	K	11
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
<ul style="list-style-type: none"> ○ General Application ○ Small Size
DESCRIPTION
<ul style="list-style-type: none"> ○ 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 and Shield					
	Available options on 2 nd 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