

Technical Specifications

Matador motor type	Rated stall torque [Nm]	Rated stall curr. [A]	Max. peak curr. [A]	Rotor resist. 25°C [Ohm]	Rotor induct. [mH]	Thermal time const. [Minutes]	Volt. const. [V/Krpm]	Torque const. at 25°C [Nm/A]	Rotor inertia 10^{-3} kgm ²	Weight [kg]	No. of poles
DCM 2B 30/03	0,32	4,6	23	0,82	1,34	15	7,3	0,07	0,0324	1,6	2
DCM 2C 30/03	0,47	4,6	23	1,16	1,65	25	10,7	0,11	0,0607	2,15	2

DCM 3A 35/06	0,6	4,6	23	0,8	2,5	20	13	0,13	0,3	4	2
DCM 3B 35/06	0,93	7	35	0,37	1,11	25	13,8	0,13	0,6	4,3	2
DCM 3C 30/06	1,3	8	40	0,39	1,3	30	16,5	0,16	0,7	4,7	2
DCM 3D 30/06	1,6	10	50	0,3	1,1	40	16,5	0,16	0,8	5,8	2
DCM 3D 40/12	1,6	6,2	31	0,8	3	40	27	0,26	0,8	5,8	2
DCM 3F 30/06	2	12,5	62,5	0,19	0,69	50	16,5	0,16	1	8	2
DCM 3F 30/14	2,1	6,65	33,25	0,82	3,04	50	32,8	0,31	1	8	2

DCM 6B 35/14	2,65	7,8	39	1	5,9	40	35,5	0,34	1,8	8,5	2
DCM 6C 20/14	3,5	6	30	1,7	7,1	40	60	0,58	1,8	8,5	4
DCM 6C 30/14	3,5	9	45	0,92	3,4	40	40	0,39	1,8	8,5	4
DCM 6D 30/14	5,5	14	70	0,4	1,65	50	40	0,39	2,8	12,8	4
DCM 6F 20/14	8	13,8	69	0,45	1,9	60	60	0,57	5,1	17,2	4
DCM 6F 30/14	7,5	21	105	0,26	0,85	60	37,5	0,36	5,1	17,2	4

DCM 9B 30/20	11	20	90	0,31	2,3	80	57	0,55	10	22	4
DCM 9B 20/20	11	13,4	60	0,61	4,35	80	85	0,82	10	22	4
DCM 9C 30/20	15	27,5	124	0,23	1,39	90	57	0,55	14	30	4
DCM 9C 15/20	15	14,2	64	0,88	5	90	110	1,06	14	30	4

 = Preferred type

- * Ambient temperature 40°C.
- * Thermal time constant; time for a loaded motor to reach 63,2% of its final temperature.
- * Insulation class F (100°C temperature rise).
- * Deratings available upon request.

Brake specification

Type: Fail safe (for parking or emergency stop)

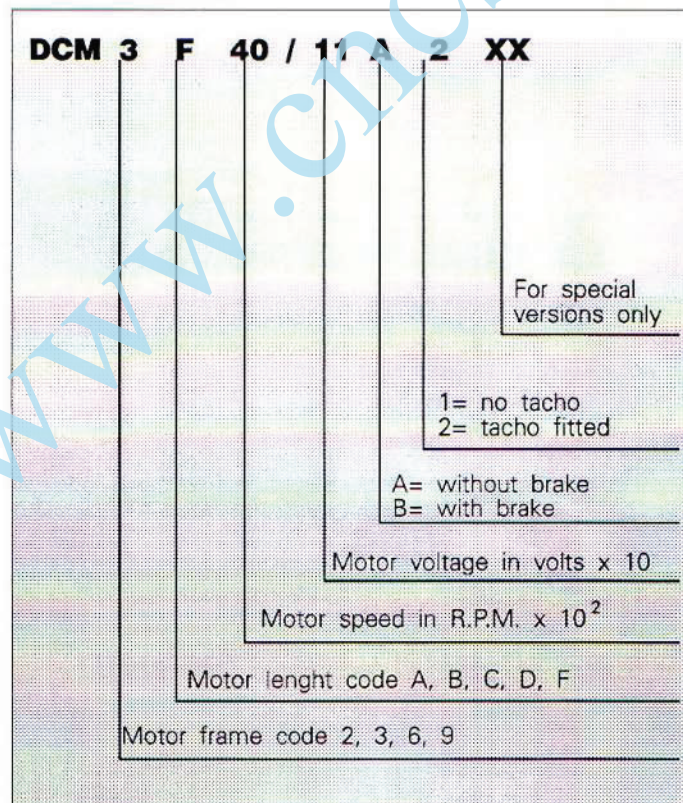
Supply voltage 24 Vdc

	holding torque [Nm]	motor length increase [mm]
DCM 2	0,5	44
DCM 3	3	44
DCM 6	12	44
DCM 9	16	42

Tachogenerator specifications

	UNIT	DCM
voltage constant	V/RPM	0,01
peak to peak ripple	%	1,6
rms ripple	%	0,7
linearity error	%	0,1
voltage tolerance	%	±5,0
voltage variation	% PER °C	-0,02
nr. of comm. segments		25
nr. of poles		4

Type Definition

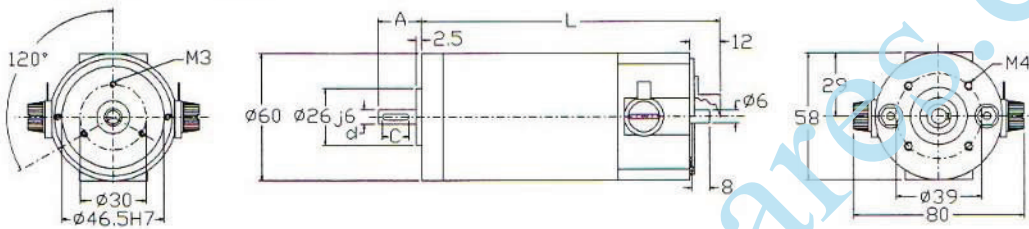


Dimensions

DCM 2

TYPE	2B	2C
A	20	25
L	136,5	184
D(j6)	7	9
F	--	3*3*15

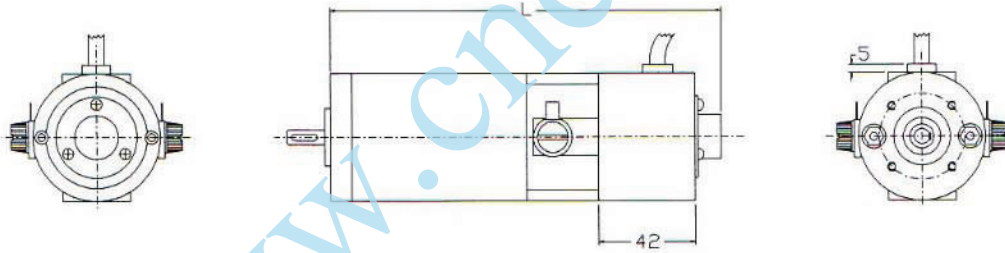
SERVOMOTOR ONLY



TYPE	2B	2C
L	178,5	226

SERVOMOTOR+TACHO

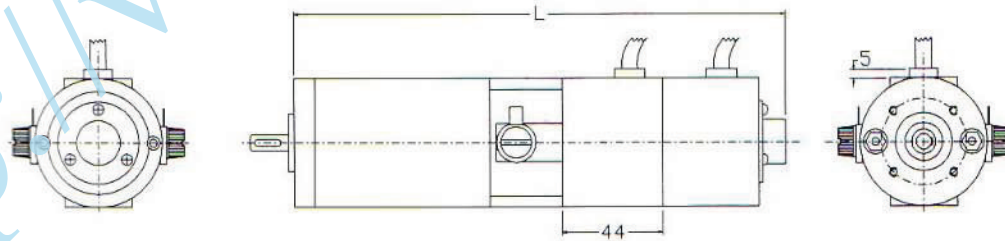
CABLE LENGHT = 1m



TYPE	2B	2C
L	222,5	270

SERVOMOTOR+TACHO+BRAKE

CABLE LENGHT = 1m



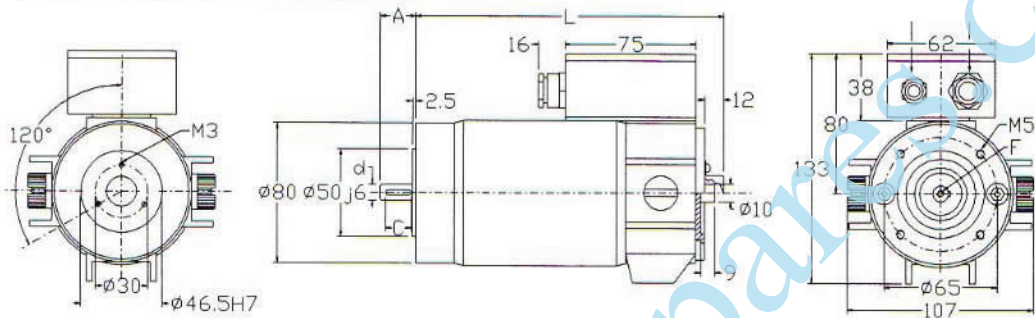
Maestro

Dimensions DCM 3

TYPE	3A	3B	3C	3D	3F
A	20	23		30	
L	177	212	228.5	267	322
D(j6)	9	11		14	
F	--	M4		M5	
C	3*3*15	4*4*18		5*5*25	

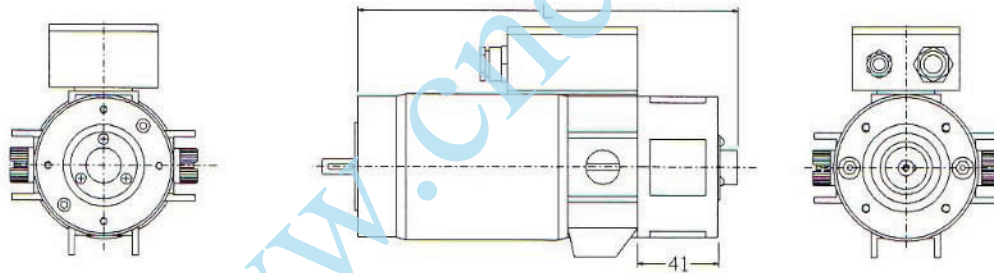
SERVOMOTOR ONLY

CABLE GLANDS 7PG - 11PG



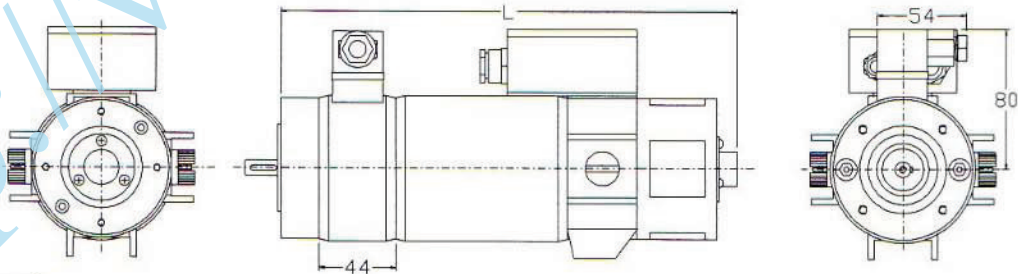
TYPE	3A	3B	3C	3D	3F
L	218	253	267.5	308	363

SERVOMOTOR+TACHO



TYPE	3A	3B	3C	3D	3F
L	262	297	313.5	352	407

SERVOMOTOR+TACHO+BRAKE

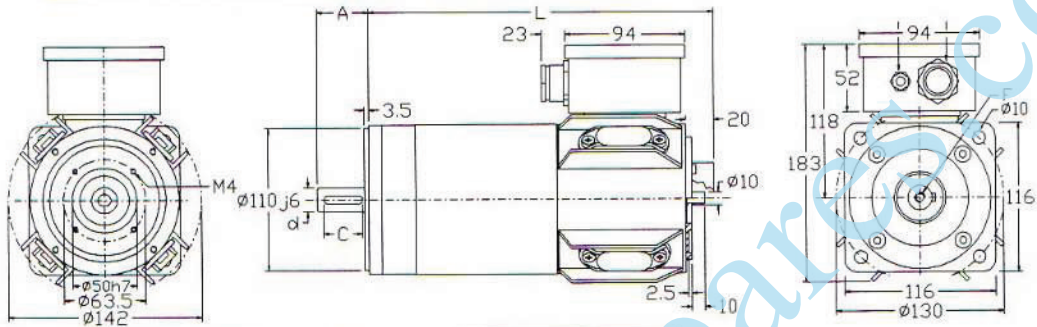


Dimensions DCM 6

TYPE	6B	6C	6D	6F
A	30		40	
L	266		338	410
D(j6)	14		19	
F	M5		M6	
C	5*5*25		40	

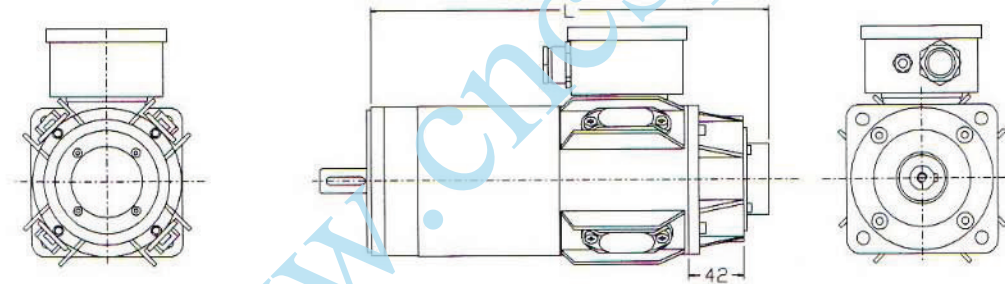
SERVOMOTOR ONLY

CABLE GLANDS 7PG - 21PG



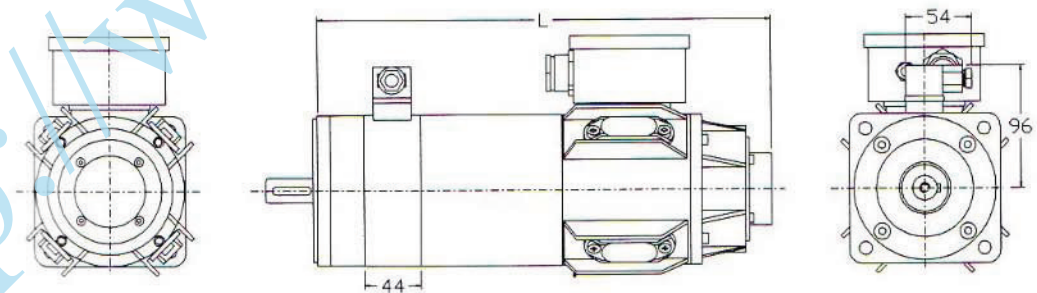
TYPE	6B	6C	6D	6F
L	308		380	452

SERVOMOTOR+TACHO



TYPE	6B	6C	6D	6F
L	352		424	496

SERVOMOTOR+TACHO+BRAKE



Maestro

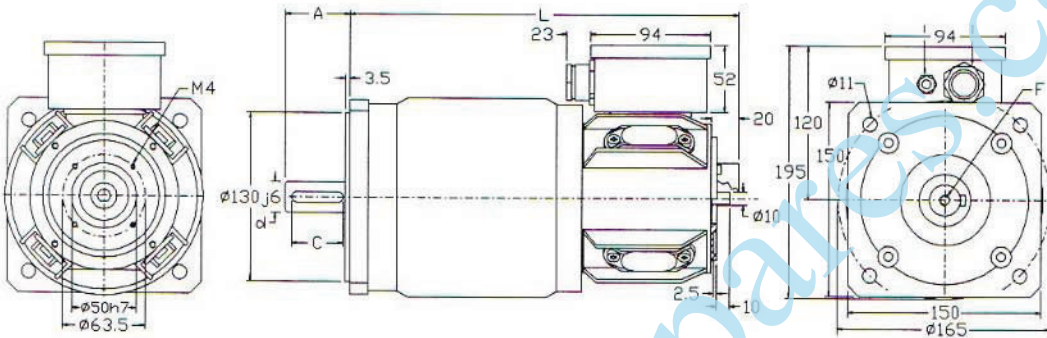
Dimensions

DCM 9

TYPE	A	L	d(j6)	E	C
B	50	350	24	M8	8*7*40
C		472			

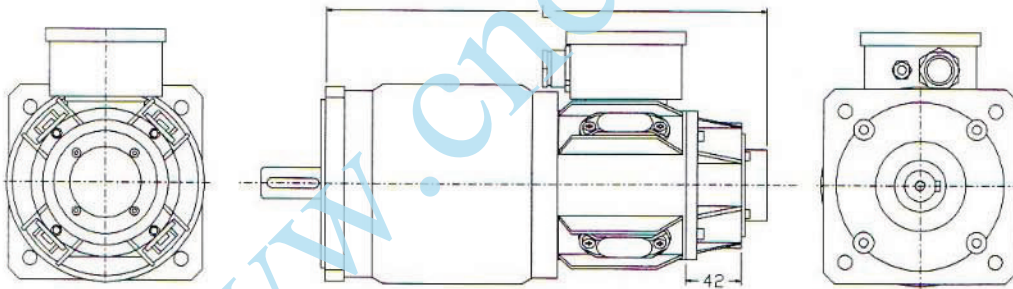
SERVOMOTOR ONLY

CABLE GLANDS 7PG - 21PG



TYPE	B	C
L	392	514

SERVOMOTOR+TACHO



TYPE	B	C
L	392	514

SERVOMOTOR+TACHO+BRAKE

