Bulgaria, 8800 Sliven, 1,Sofiisko shosse str., PO Box: 273; phone: +359 44 666 207; phone/fax: +359 44 62 22 91;
web site: www.dynamo-bg.com; email: dynamo@dynamo-bg.com;

DC SERVOMOTORS TYPE DMT

The servomotors utilise permanent magnet excitation. High overload capacity in continuous and intermediate duty and during the transient process is allowed by magnet system. The motors comply eith IEC 34-5 and IEC 34-7 recommendations.

Feedback packages: built-in tachogenerators on the motor shaft - voltage constant; built-in thermal protection sensor.

Options available:

C - built-in fail-safe gapeless electromagnetic brake with additional length 40-60mm.

P - built-in RB-2 (number of poles two) or RB-10 (number of poles ten) type brushless resolver and multiplicator 1:2.5 or 1:5 (for types MX and MB).

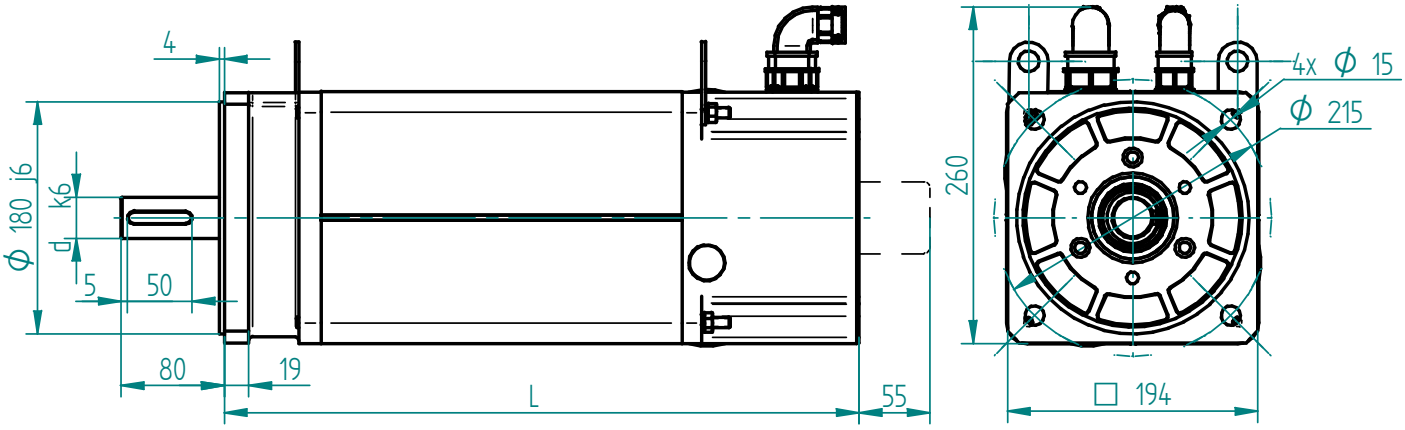
K - pulsecoder with 2000 or 2500 impulsess/rev.

TECHNICAL DATA

Motor type		**D 3MTA**	**D 4MTA**	**D 4MTB**	**D 5MT**
Continuous stall torque, Mg_o	Nm	21	23	30	47
Maximum torque, Mmax	Nm	78	82	116	172
Maximum speed, n max	min^{-1}	1500	1500	1500	1500
Moment of inertia, J	$kg.m^2$	0.030	0,032	0,038	0,0426
Maximum voltage, Umax	V	140	170	190	190
Continuous stall current, Ig_o	A	26	22	26	40
Weight	kg	35	38	48	62
L	mm	385	395	430	490
d	mm	32	32	32	38

Additional options are available on special request.

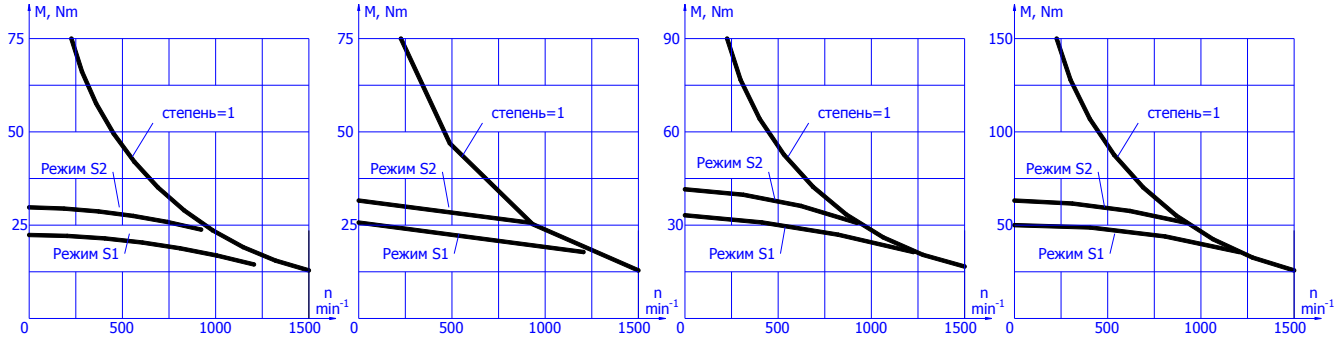
OUTLINE DRAWINGS



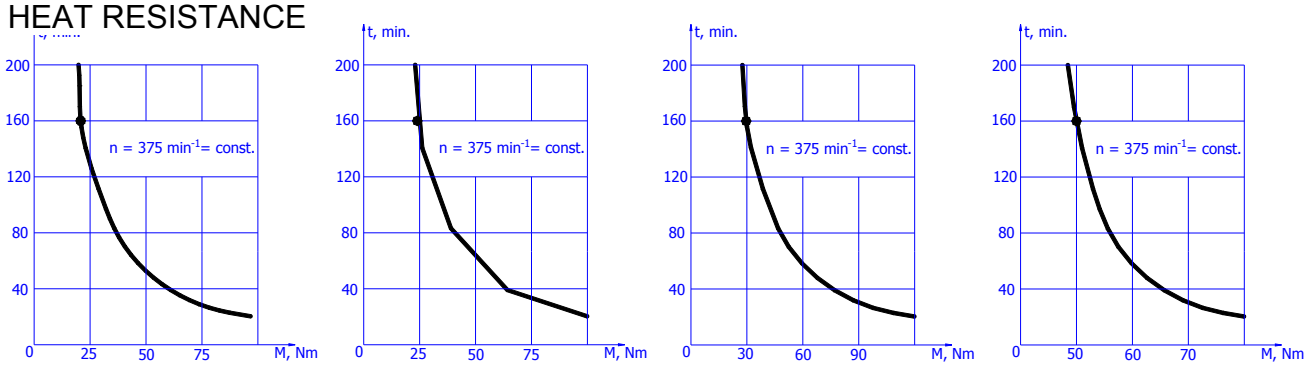
CHARACTERISTICS

D 3MTA **D 4MTA** **D 4MTB** **D 5MT**

1. TORQUE – SPEED



2. HEAT RESISTANCE



Produces: Automotive Alternators and Starters; DC electric Motors with permanent magnets and electric magnet excitation; Complete main drives of numerically controlled machine tools, for driving of machines, equipments, manipulators, automation and mechanization systems of technological processes; Portable boring and welding machine.