

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 with 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 gapless 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 multiplier 1:2.5 or 1:5 (for types MX and MB).

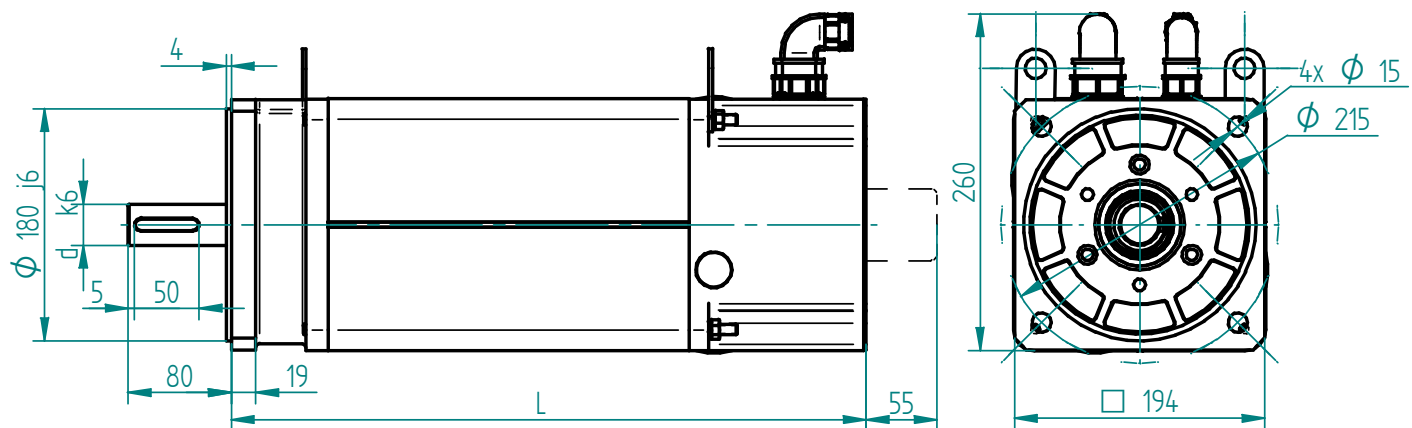
K - pulsecoder with 2000 or 2500 impulses/rev.

TECHNICAL DATA

Motor type		D 4MTA	D 4MTB	D 5MT
Continuous stall torque, M_{g_0}	Nm	23	30	47
Maximum torque, M_{max}	Nm	82	116	172
Maximum speed, n_{max}	min^{-1}	1600	1600	1600
Moment of inertia, J	$\text{kg} \cdot \text{m}^2$	0,032	0,038	0,0426
Maximum voltage, U_{max}	V	170	190	190
Continuous stall current, I_{g_0}	A	22	26	40
Weight	kg	38	48	62
L	mm	395	430	490
d	mm	32	32	38

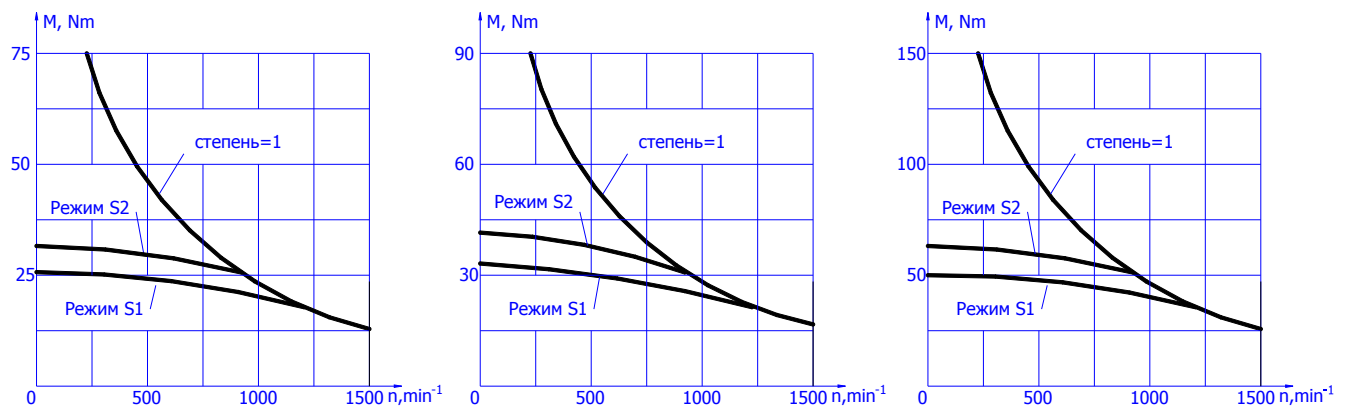
Additional options are available on special request.

OUTLINE DRAWINGS

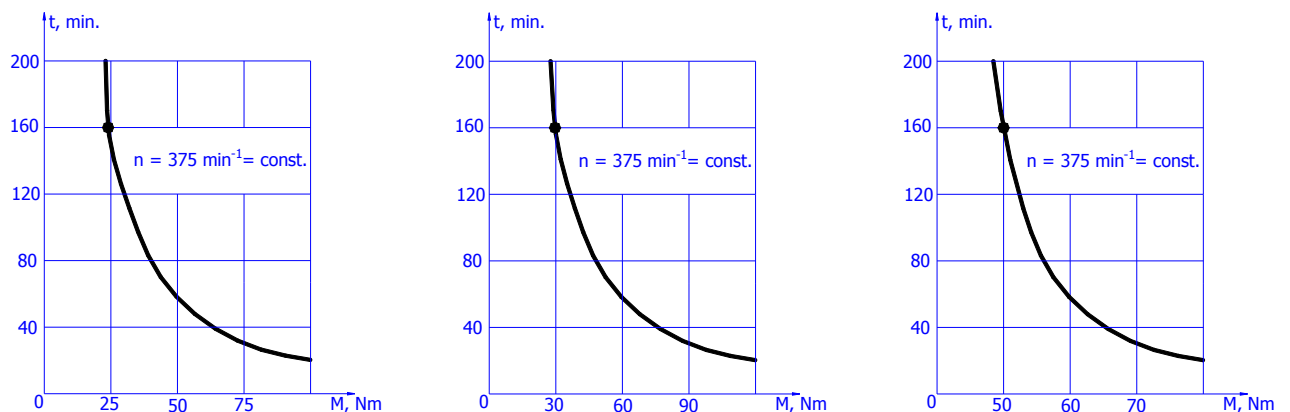


CHARACTERISTICS

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.