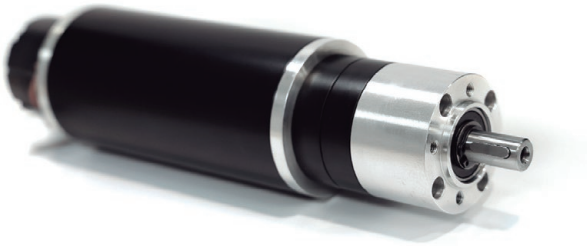
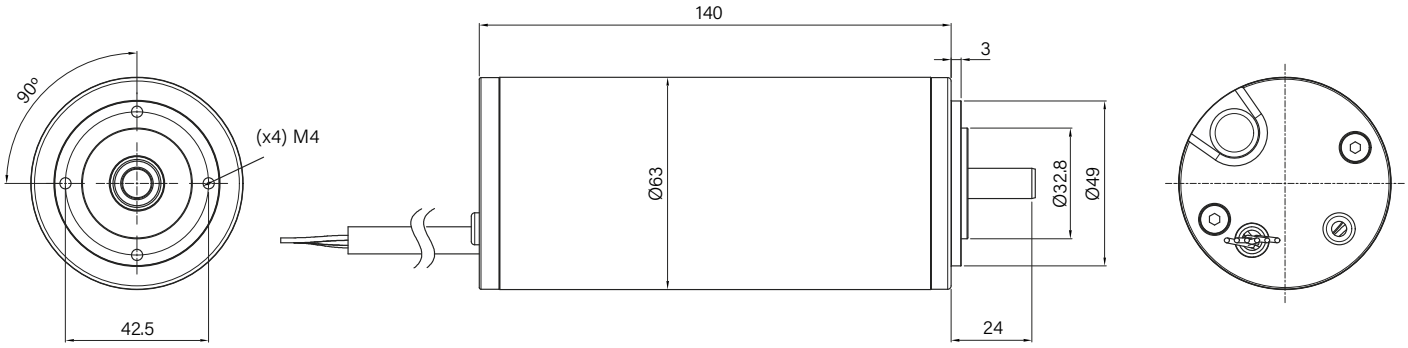
263 motor series

Highly MODULAR and compact DC brushed motor
Integrated HALL SENSOR
Optional ELECTRONICS: CAN Digital Input / O
Manufactured in 12V and 24V
Designed to CUSTOMIZE and meet your needs



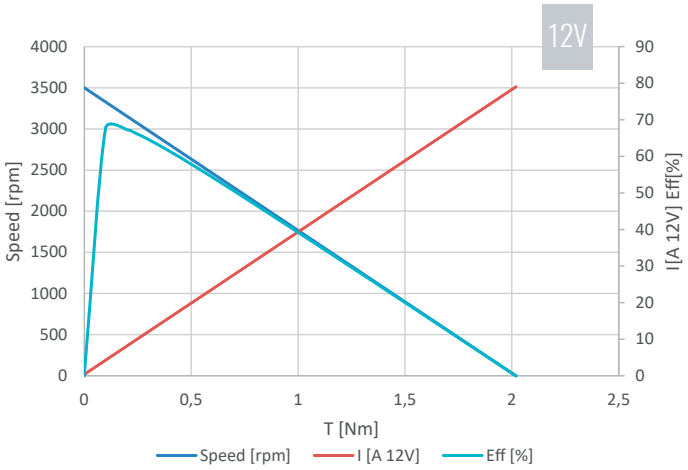


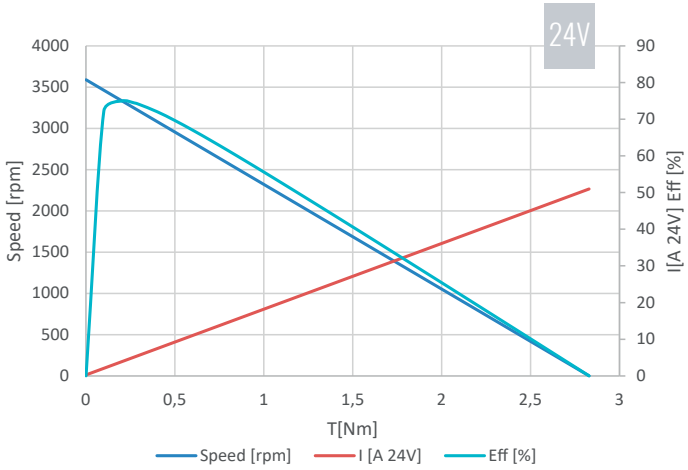
all dimensions in milimeters (mm)

MODULAR SYSTEM

ECU	BRAKE	MOTOR	GEAR
CAN Digital Input / O	12 - 24V >1.5Nm Power ON & Power OFF	263 motor series: 12-24V ENCODER Integrated Hall Sensor 2+2 - 6+6 pulses 2 channels at 90º	1 -3 stages 4:1 - 308:1 Ø52mm

CURVES





MAIN MOTOR FEATURES

	SIGN	UNIT	VALUE 12V	VALUE 24V
Rated Voltage	U_N	V	12	24
Rated power input	P_{er}	W	108	120
Rated power output	P_{mr}	W	75.4	91.3
Rated speed	n_N	rpm	3000	3230
Rated torque	M_N	Nm	0.24	0.27
Rated current	I_N	A	9	5
Rated efficiency	η_N	%	70	76
No Load speed	n_0	rpm	3500	3590
No Load current		A	1.8	1
Maximum current	I_S	A	79	55
Demagnetization current	I_E	A	≥80	≥50
Maximum torque	r_M	Nm	2	2.76
Stall Torque	r_s	Nm	2	2.76
Maximum continuous torque	M_{max}	Nm	0.24	0.27
Voltage constant	k_E	V*s/rad	0.031	0.062
Torque constant	k_M	Nm/A	0.031	0.062
Starting Voltage	U_S	V	2	2
Inertia	J_R	gcm^2	817.02	871.95

EMC degree	ISO 14980 - FULFILL R10 TESTS - VERSION FOR en 50121
Bearing type	2 ball bearings
Permissible axial shaft loads	F_{axial} 150N
Permissible radial shaft loads	F_{radial} 150N
IP	Up to IP69K
Insulation class DIN VDE 0530	Class F

DOGA, S.A. - Autovia A2 km 583 - 08630 Abrera - Barcelona - SPAIN
Tel. +34 937704600 - dcmotors@doga.es - www.doga.es