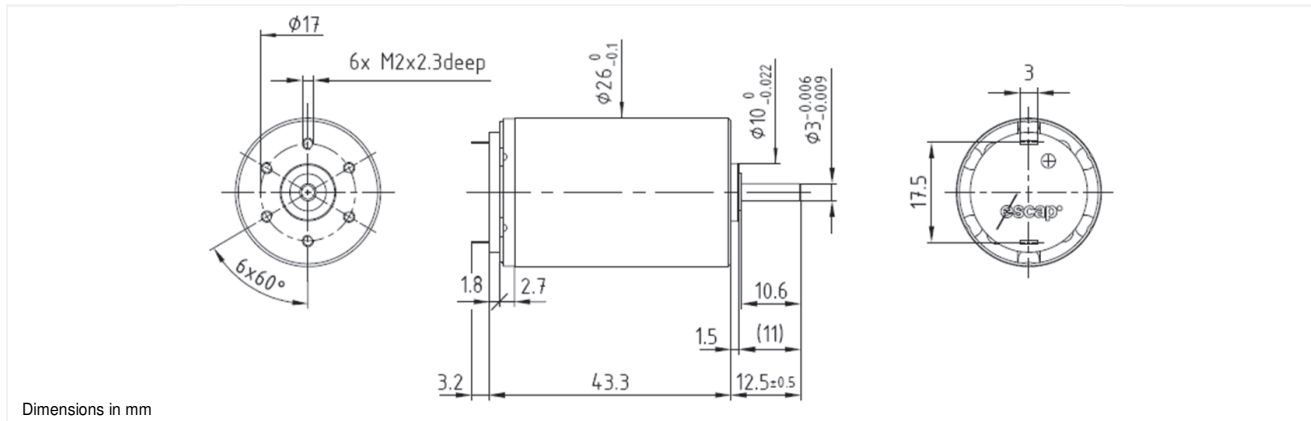


26N58

Precious metal commutation

Ø26mm

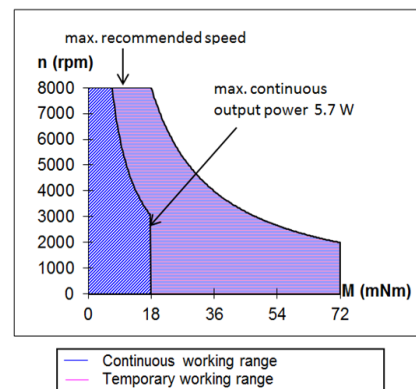
17.9 mNm



26N58 **** .1

Electrical Data	****	216P	216E	113	110	
1 Nominal Voltage	V	6	12	15	24	Volt
2 No-Load Speed	n_0	4,600	4,735	5,470	6,660	rpm
3 No-Load Current	I_0	31.0	16.0	15.0	20.0	mA
4 Terminal Resistance	R	2.5	10.0	15.2	32.0	Ω
5 Output Power	P_{2max}	6.2	6.0	5.2	4.6	W
6 Stall Torque	mNm	29.6 (4.2)	28.6 (4.06)	25 (3.55)	25 (3.55)	mNm (oz-in)
7 Efficiency	η_{max}	79	78	77	70	%
8 Max Continuous Speed	$n_{e,max}$	8,000	8,000	8,000	8,000	rpm
9 Max Continuous Torque	$M_{e,max}$	17.9 (2.45)	17.3 (2.45)	15.1 (2.14)	13.3 (1.89)	mNm (oz-in)
10 Max Continuous Current	$I_{e,max}$	1.47	0.74	0.60	0.41	A
11 Back-EMF Constant	K_E	1.29	2.50	2.70	3.51	mV/rpm
12 Torque Constant	K_M	12.30	23.90	25.80	33.50	mNm/A
13 Motor Regulation	R/k^2	16.5	17.5	22.8	28.51	$10^3/Nms$
14 Friction Torque	T_F	0.38 (0.06)	0.38 (0.06)	0.38 (0.06)	0.38 (0.06)	mNm (oz-in)
15 Rotor Inductance	L	0.22	0.80	1.00	1.50	mH
16 Mechanical Time Constant	t_m	9.9	10.5	13.7	17.1	ms
17 Rotor Inertia	J	6.00	6.00	6.00	6.00	$g.cm^2$
General Data						
18 Thermal Resistance (rotor/body)	R_{th1} / R_{th2}		5 / 12			$^{\circ}C/W$
19 Thermal Time Constant (rotor/stator)	t_{w1}/t_{w2}		10/640			S
20 Operating Temperature Range:	motor		-30 $^{\circ}C$ to 85 $^{\circ}C$ (-22 $^{\circ}F$ to 185 $^{\circ}F$)			$^{\circ}C$ ($^{\circ}F$)
	rotor		100 $^{\circ}C$ (212 $^{\circ}F$)			$^{\circ}C$ ($^{\circ}F$)
21 Shaft Load Max.:			With sleeve bearings			
(5mm from bearing)	-radial		6.0 (21.6)			N (oz)
	-axial		250 (899.2)			N (oz)
22 Shaft Play:	-radial		<0.03 (0.0012)			mm (inch)
	-axial		0.15 (0.0059)			mm (inch)
23 Weight	g		114 (4.03)			g (oz)

Execution Table		
Gearbox	Single Shaft	Double Shaft for E9
R22	5	9
M22	5	9
K24	5	9
K27	5	9



V121616