

dimensions in mm
mass: 114 g

26N58 $\odot\odot \cdot 1$

26N48 $\odot\odot \cdot 6$

Winding Type

$\odot\odot$

-216P

-113P

-216E

-113

-110

Measured Values

Measuring voltage	V	6	7.5	12	15	24
No-load speed	rpm	4500	5500	4700	5500	6700
Stall torque	mNm (oz-in)	29.6 (4.19)	25.5 (3.6)	28.6 (4.06)	25 (3.5)	25 (3.54)
Average No-load current	mA	31	30	16	15	12
Typical starting voltage	V	0.08	0.1	0.15	0.2	0.28

Max. Recommended Values

Max. continuous current	A	1.47	1.19	0.74	0.60	0.41
Max. continuous torque	mNm (oz-in)	17.9 (2.5)	15.7 (2.1)	17.3 (2.4)	15.1 (2.1)	13.3 (1.88)
Max. angular acceleration	10^3 rad/s^2	119	100	115	100	89

Intrinsic Parameters

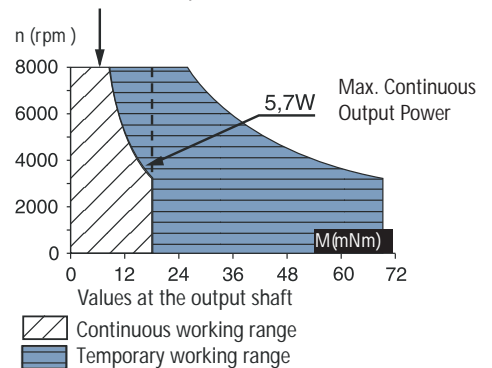
Back-EMF constant	V/1000 rpm	1.29	1.35	2.5	2.7	3.5
Torque constant	mNm/A (oz-in/A)	12.3 (1.74)	12.9 (1.83)	23.9 (3.38)	25.8 (3.65)	33.5 (4.74)
Terminal resistance	ohm	2.5	3.8	10	15.2	32
Motor regulation R/k ²	$10^3/\text{Nms}$	16	23	18	23	29
Rotor inductance	mH	0.2	0.3	0.8	1.1	1.7
Rotor inertia	$\text{kgm}^2 \cdot 10^{-7}$	6	6	6	6.7	6
Mechanical time constant	ms	9.7	14	11	14	17

Executions

		Single Shaft	Double Shaft for E9
Gearbox	Page	26N58--	26N48--
R22	105	5	9
M22	106	5	9
K24	107	5	9
K27	108	5	9
RG1/8	111	1	6
RG1/9	112	1	6
K38	110	1	6
L10	115	1	6

- Thermal resistance: rotor-body 5°C/W, body-ambient 12°C/W
- Thermal time constant - rotor / stator: 10 s / 640 s
- Max. rated coil temperature: 100°C (210°F)
- Recom. ambient temperature range: -30°C to +85°C (-22°F to +185°F)
- Viscous damping constant: $0.45 \times 10^{-6} \text{ Nms}$
- Max. axial static force for press-fit: 250 N
- End play: $\leq 150 \mu\text{m}$
- Radial play: $\leq 30 \mu\text{m}$
- Shaft runout: $\leq 10 \mu\text{m}$
- Max. side load at 5 mm from mounting face: sleeve bearings 6 N, ball bearings 8 N
- Motor fitted with sleeve bearings (ball bearings optional)

Max. Recommended Speed



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