

10 mm

QBL 5704

57 mm
4 pole
BLDC motor

INFO These BLDC motors give a good fit to the TRINAMIC family of high current BLDC motor modules. They are also used in the PANdrive mechatronics family.

MAIN CHARACTERISTICS

- No. of poles: 4
- No. of phases: 3
- nominal 4000 RPM at rated torque
- round flange max. 57 mm
- 8 mm shaft diameter, 25 mm length
- 2nd shaft for encoder mounting
- typical 36V operating voltage, 24V or 48V possible
- integrated hall sensors
- CE approved
- RoHS compliant

SPECIFICATIONS	UNIT	-94-04-32	-116-04-42
Rated current (typ.)	A	5	6.6
Line resistance at 20°C		0.45	0.35
Line inductance (typ.)	mH	1.4	1
Rated torque (typ.)	Nm	0.32	0.42
Max. peak torque	Nm	0.98	1.30
Max. peak current	A	16.5	20.5
Torque constant	Nm/A	0.063	0.063
Weight (mass)	kg	1.20	1.40
Motor length	mm	94.0	116.0
Related PAN-drive	Type	PD4-...-57	PD5-...-57

ORDER CODE	DESCRIPTION
QBL5704-94-04-032	QMot BLDC motor 57 mm, 4000RPM, 0.32Nm
QBL5704-116-04-042	QMot BLDC motor 57 mm, 4000RPM, 0.42Nm