QSH 8618

86 mm / NEMA34
1.8° step angle
high torque
hybrid stepper motor

INFO These two phase hybrid stepper motors are optimized for microstepping and give a good fit to the TRINAMIC family of motor controllers and drivers.

MAIN CHARACTERISTICS

- NEMA 34 mounting configuration
- flange max. 85.85 mm * 85.85 mm
- step angle: 1.8°
- optimized for microstep operation
- optimum fit for TMCM-078 driver module
- insulation class: B
- max. radial / axial force 220N / 60N
- neodymium magnets for maximum torque
- CE approved
- RoHS compliant

SPECIFICATIONS	UNIT	-65-59-340		-80-55-460	-96-55-700	-118-60-870	-156-62-1280
Number of leads	N°	8		4	4	4	4
Wiring		SER	PAR				
Rated phase current	A	3.0	5.9	5.5	5.5	6.0	6.2
Ph. resistance at 20°C		1.14	0.28	0.42	0.45	0.45	0.75
Ph. inductance (typ.)	mH	6.8	1.7	3.5	4.5	5.1	9
Holding torque (typ.)	Ncm	340	340	460	700	870	1280
Max. operating voltage	V	100		140	140	140	160
Axis diameter (D-Cut)	mm	12		12.7	12.7	12.7 (notch)	15.875(notch)
Axis length	mm	31.75		31.75	31.75	31.75	31.75
Rotor inertia	gcm²	1000		1400	2700	2700	4000
Weight (mass)	kg	1.7		2.3	2.8	3.8	5.4
Motor length	mm	65.0		80.0	96.0	118.0	156.0

ORDER CODE	DESCRIPTION
QSH8618-65-59-340	QMot Steppermotor 86 mm, 3.0A (SER) / 5.9A (PAR), 3.40 Nm
QSH8618-80-55-460	QMot Steppermotor 86 mm, 5.5A, 4.60 Nm
QSH8618-96-55-700	QMot Steppermotor 86 mm, 5.5A, 7.00 Nm
QSH8618-118-60-870	QMot Steppermotor 86 mm, 6.0A, 8.70 Nm
QSH8618-156-62-1280	QMot Steppermotor 86 mm, 6.2A, 12.80 Nm