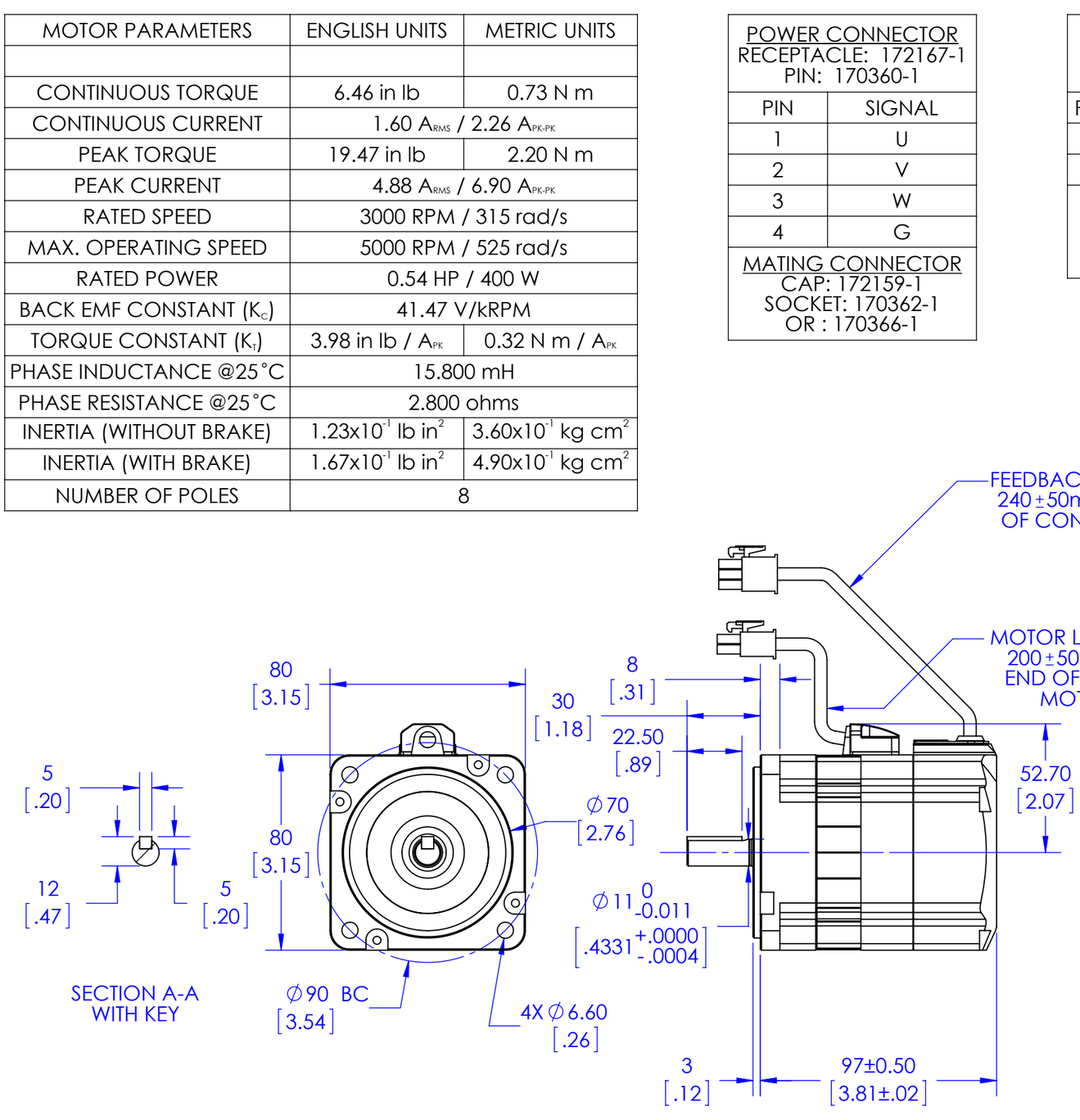
MOTOR PARAMETERS	ENGLISH UNITS	METRIC UNITS
CONTINUOUS TORQUE	6.46 in lb	0.73 N m
CONTINUOUS CURRENT	1.60 A_{RMS} / 2.26 A_{PK-PK}	
PEAK TORQUE	19.47 in lb	2.20 N m
PEAK CURRENT	4.88 A_{RMS} / 6.90 A_{PK-PK}	
RATED SPEED	3000 RPM / 315 rad/s	
MAX. OPERATING SPEED	5000 RPM / 525 rad/s	
RATED POWER	0.54 HP / 400 W	
BACK EMF CONSTANT (K_E)	41.47 V/kRPM	
TORQUE CONSTANT (K_T)	3.98 in lb / A_{PK}	0.32 N m / A_{PK}
PHASE INDUCTANCE @25°C	15.800 mH	
PHASE RESISTANCE @25°C	2.800 ohms	
INERTIA (WITHOUT BRAKE)	$1.23x10^{-1}$ lb in^2	$3.60x10^{-1}$ kg cm^2
INERTIA (WITH BRAKE)	$1.67x10^{-1}$ lb in^2	$4.90x10^{-1}$ kg cm^2
NUMBER OF POLES	8	

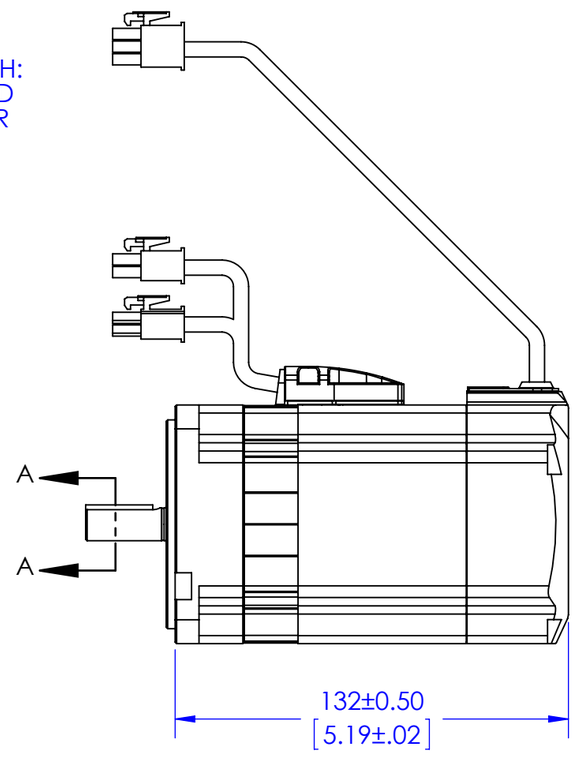
POWER CONNECTOR RECEPTACLE: 172167-1 PIN: 170360-1	
PIN	SIGNAL
1	U
2	V
3	W
4	G
MATING CONNECTOR CAP: 172159-1 SOCKET: 170362-1 OR : 170366-1	

BRAKE CONNECTOR PLUG: 172165-1 PIN: 170360-1	
PIN	SIGNAL
1	BRAKE
2	BRAKE
MATING CONNECTOR CAP: 172157-1 SOCKET: 170362-1 OR: 170366-1	

BRAKE INFORMATION		MOTOR FLANGE SIZE
ITEM	UNIT	80 mm
STATIC FRICTION TORQUE	N m	3.25
ROTOR INERTIA	kg cm^2	0.075
ARMATURE SUCTION TIME	ms	60
ARMATURE RELEASE TIME	ms	15
RELEASE VOLTAGE	DC, V	2 (AT 20°C)
EXCITATION VOLTAGE	DC, V	24 ± 2.4
EXCITATION CURRENT	DC, A	0.43



WITH BRAKE:
DIMENSIONS COMMON EXCEPT WHERE INDICATED



QUICKMOTION

23011 MOULTON PARKWAY, SUITE J3
LAGUNA HILLS, CA 92653

TITLE: QS80-B02-xB2
QS80-B02-xN2

SIZE	DWG. NO.	REV
B	080-0200-02	A
SCALE: NONE	SHEET 1 OF 1	