

GEARED MOTOR

AC TORQUE MOTOR



- Manufacture your own access control products
- Only high quality steel and aluminium
- Exported worldwide
- Tried and tested over a period of 20 years



APPLICATIONS

- Vehicle barriers / Boomgates
- Drop arm barriers
- Speedgates
- Bi-folding gates
- Any application requiring a simple, reliable and robust drive solution

KEY FEATURES

- Single phase
- Maintenance free
- Continuous rated torque output
- Robust extruded housing with mounting feet
- Supplied with capacitor (4 μ F capacitor)
- No need for an inverter
- Special high torque version available
- Aluminium link arm for shaft coupling (90mm standard, 80mm and 60mm also available)
- Steel cast link arm for shaft coupling (90mm)

ALSO AVAILABLE

Vehicle barrier / Boomgate controller, mechanism mounting plate, rubber buffers, linkages and springs

MOTOR SPECIFICATIONS

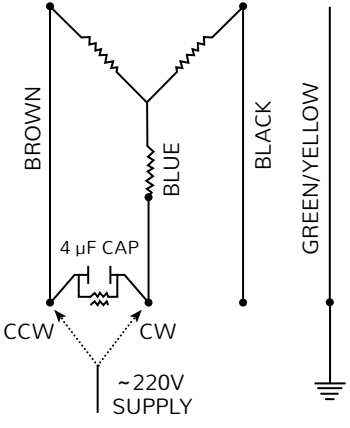
TYPE	AC
VOLTAGE	220V or 110V
CURRENT	15 Amps
POWER	60 Watts Standard / 95 Watts Strong
FREQUENCY	50 Hertz (220V) / 60 Hertz (110V)
PHASES	1
MOUNTING	Foot
OPERATING TEMPERATURE	-20°C - +60°C (note – motor operating temperature is 25°C above ambient temperature)
IP RATING	40
ISOLATION CLASS	F100

MOTOR CONSTRUCTION

HOUSING	Extruded and machined aluminium
GEARS	Machined steel
BEARINGS	FAG / NSK brand

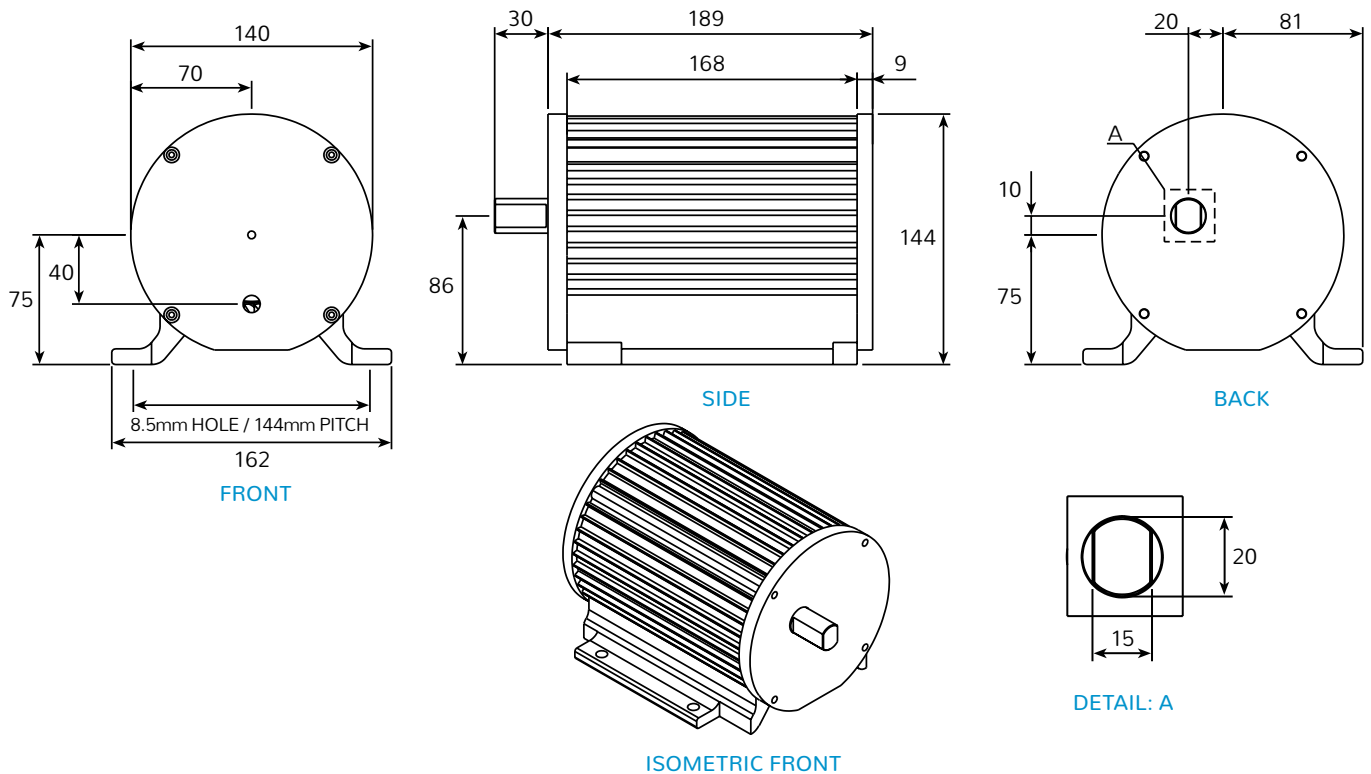
DIMENSIONS

LENGTH	189.0mm (excluding output shaft)
SHAFT LENGTH	30.0mm
WIDTH (FOOT MOUNTING)	162.0mm
DIAMETER	140.0mm
HEIGHT	144.0mm (from base of foot)
SHAFT HEIGHT	85.0mm (from base of foot)
WEIGHT	8.2kg

CODE	DESCRIPTION	SPEED	TORQUE	WIRING DIAGRAM 220V VERSION
BMC0350	Standard AC torque motor 3.5 rpm	3.5 rpm	70 nm	
BMC0351	Strong AC torque motor 3.5 rpm	3.5 rpm	100 nm	
BMC0550	Standard AC torque motor 5.5 rpm	5.5 rpm	51 nm	
BMC0551	Strong AC torque motor 5.5 rpm	5.5 rpm	72 nm	
BMC0650	Standard AC torque motor 6.5 rpm	6.5 rpm	45 nm	
BMC0651	Strong AC torque motor 6.5 rpm	6.5 rpm	63 nm	
BMC0700	Standard AC torque motor 7 rpm	7.0 rpm	43 nm	
BMC0701	Strong AC torque motor 7 rpm	7.0 rpm	60 nm	
BMC0750	Standard AC torque motor 7.5 rpm	7.5 rpm	42 nm	
BMC0751	Strong AC torque motor 7.5 rpm	7.5 rpm	58 nm	
BMC0100	Standard AC torque motor 10 rpm	10 rpm	30 nm	
BMC0101	Strong AC torque motor 10 rpm	10 rpm	42 nm	
BMC0140	Standard AC torque motor 14 rpm	14 rpm	21 nm	
BMC0141	Strong AC torque motor 14 rpm	14 rpm	29 nm	
BMC0180	Standard AC torque motor 18 rpm	18 rpm	12.5 nm	
BMC0181	Strong AC torque motor 18 rpm	18 rpm	17.5 nm	
BMC023	Standard AC torque motor 23 rpm	23 rpm	10 nm	
BMC0231	Strong AC torque motor 23 rpm	23 rpm	14 nm	
BMC0300	Standard AC torque motor 30 rpm	30 rpm	5 nm	
BMC0301	Strong AC torque motor 30 rpm	30 rpm	7 nm	
BMC0350	Standard AC torque motor 35 rpm	35 rpm	15 nm	
BMC0351	Strong AC torque motor 35 rpm	35 rpm	21 nm	

Tolerance +/- 10%

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ACCESSORIES FOR TORQUE MOTOR

1. CAPACITOR

Supplied as standard with the motor (4 μ F capacitor, 5 and 6 μ F available on request)

2. LINK ARM

Aluminium link arm for shaft coupling (90mm standard, 80mm and 60mm also available)

Steel cast link arm for shaft coupling (90mm)

3. RUBBER BUFFER

M10 rubber buffer for up and down limits

4. CONTROLLER FOR A VEHICLE BARRIER / BOOMGATE: BL100BT LOGIC AND LOOP DETECTOR

See separate brochure for the the BL100BT combined logic and loop detector



TURNSTAR
RELIABLE ★ DURABLE ★ GUARANTEED

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