

# BIG 4000

A fast, heavy-duty motor for industrial sliding gates to 4000kg with high-quality stainless steel cover. The hardened, heat-treated mechanicals and oil lubrication system ensure maximum long-term performance and extended life.

All BIG operators feature SEA's own Unigate inverter. This provides maximum speed adjustments and ramp up/down accuracy and working in unison with the Electro-brake, a safety override device to constantly monitor and control the gate's inertia at all times. It stops heavy gates instantly.

- 400 MM/SEC GATE SPEED
- 100 % DUTY CYCLE
- 4000 MAXIMUM GATE LENGTH

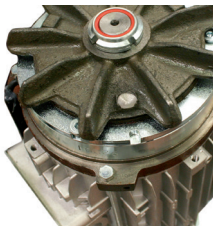
BUILT-IN LIMIT SWITCHES



STAINLESS STEEL COVER

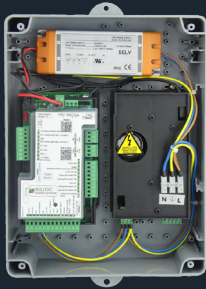


ELECTROBRAKE



4000KG

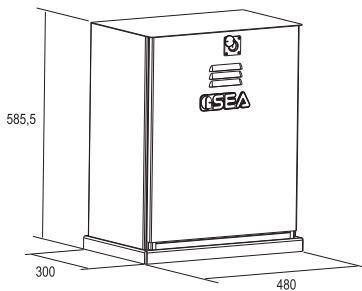
## CONTROLLER



## INVERTER EQUIPPED

UNIGATE uses a separate inverter power module and control board to achieve optimum heat management of power module components. The Inverter power module is connected to control board via USB cable.

Details on page 25



Z24 M4 pinion available on request.

## INVERTER SPEED SETTINGS

90Hz	400 mm/sec
80Hz	338 mm/sec
70Hz	307 mm/sec
60Hz	264 mm/sec
50Hz	222 mm/sec

ORDER CODE	BIG4000	MAX. GATE WEIGHT	4000 KG*
POWER SUPPLY	SINGLE PHASE	MAX. GATE LENGTH	N/A
MOTOR VOLTAGE	3-Phase 230 V (AC)	PINION SIZE	Z12 M6
MOTOR POWER	950 W	PINION HEIGHT	96 MM
GATE SPEED	TO 400 MM/SEC (24 M/MIN).	MAX. TORQUE	140 NM
MAX. CYCLES PER HOUR	120*	LIMIT SWITCH	MECHANICAL
DUTY CYCLE	100 %*	DIMENSIONS (H-W-L)	585, 480, 300
		WORKING TEMP.	-20 °/+55 ° C

\*Maximum duty cycle based on the first working hour in a testing environment.  
\*\* Max gate weight based on use with M6 pinion. Consult with Downee for appropriate pinion based on application