BARRIER GATE SYSTEM

Barrier Gate

Superior Performance with ULTIMATE TECHNOLOGY

- * Aprigate barrier gate motor gear box corresponding specification and standard : CE Mark, Conformity Declaration and Manufacturers Declaration ISO 9001
- Protection IP 55
- EMC Directive 89/336/EEC
- Low Voltage Directive 73/23 EEC
- Matsushita micro switch: UL/CSA/VDE/SEMKO approved
- 100% Duty Cycle ** The cylindrical shaped barrier arm is made from extruded aluminium tube and powder coated in white with red reflective tape
- ** The barrier arm has a Swing Away Mechanism which will sheer off in case of accidental collusion with the barrier arm and to prevent damage to the barrier and barrier arm - selectable

The barrier gate system provides Automatic Reverse Function if it hits an obstruction - selectable

Technical Data	Unit	BG 3	BG 4	BG 6	
Max. barrier arm length	mm	3000	4000	6000	
Opening / closing time	S	1.5 / 2.5	2.0 / 3.0	7.0	
Power consumption	A	1.2	1.2	2.5	
Power Supply	V	230			
Frequency	Hz	50-60			
Depth	mm	360			
Height	mm	1060			
Housing width	mm	360			
Arm type		Round a	arm	Rectangular arm	
Arm diameter	mm	76		44.5 x 112	
Gearbox Lubricant : Long life & maintenance free synthetic based oil					
*Gearbox :	: High impact die-cast aluminium machined precision				
Housing :	Manufactured from steel on to a base frame of phosphate				
	and powder coat finished for maximum protection from				
	corrosion				
Performance :	100% duty cycle				
** Available version :	Left & Right configuration Left configuration				
Available color code :	Orange RAL 2000				

*2 years warranty

CAT G023 V1

** Applicable for BG 3 & BG 4 only



For enquiries, please contact: - Model: BG 3, BG 4 & BG 6





Normal Operation







Swing Away Mechanism



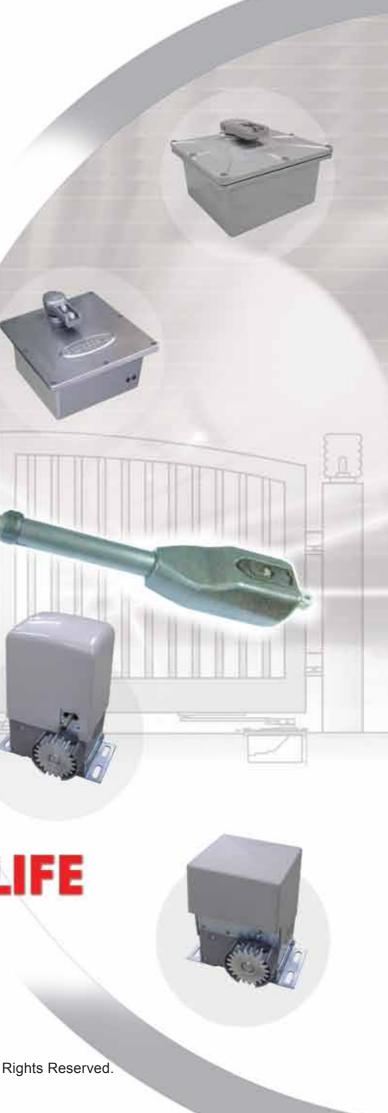
CE



@

We Build Technology for **QUALITY of LIFE**

to build a better home... to make life easier ... to protect properties...



SWING GATE SYSTEM

ių,



- Fully powered by electromechanical motor and gears
- Concealed underground
- High quality materials that provide high-corrosion resistance for years
- Designed with waterproof housing for protection against heavy downpour and floods
- DC motor carries the CE mark and manufactured according to ISO 9001 quality system standard

Specification	aprigate° I	aprigate°11	
Operating Voltage	24VDC	24VDC	
Current Consumption (No Load)	1 Amp	1.5 Amp	
Motor Speed	4500 r.p.m	4500 r.p.m	
Motor Output Power	90 W	160 W	
Motor Torque (kg-cm)	2.6	4.9	
Main Shaft Torque (kg-cm)	175	330	
Gearbox Housing	High impact die-cast aluminium	High impact die-cast aluminium	
Gearbox Lubrication	All weather grease	All weather grease	
Gearbox	High impact die-cast aluminium machined precision	High impact die-cast aluminium machined precision	
Main Shaft Material	Casehardened steel with tolerance of ISO H7	Casehardened steel with tolerance of ISO H7	
Drive Shaft Material	Casehardened steel	Casehardened steel	
Clutch	Casehardened steel with surface treatment with self-lubricating bakelite fitted with one spring	Casehardened steel with surface treatment with self-lubricating bakelite fitted with two springs	
Sealing Element	Two double sealing lips with spring at shaft	Two double sealing lips with spring at shaft	
Gasket Material	Nitrile rubber (NBR)	Nitrile rubber (NBR)	
Shaft Rotation Angle	360°	360°	
Foundation Casing Material	Die-cast aluminium	Die-cast aluminium	
Transmission Type	Rotary lever sized 6mm thick, length 460mm	Rotary lever sized 10mm thick, length 460mm	
Static Gate Weight	250kg	500kg	
Rotation Speed at 120°	8 sec.	8 sec.	
Cable Input	PG 7 thread size with IP 68 sealed compression cable gland	PG 7 thread size with IP 68 sealed compression cable gland	



24VDC

Specification

Operating Voltage Current Consumption (No Load) Motor Speed Motor Output Power Motor Torque (Kg-Cm) Static Gate Weight Main Shaft Torque (Kg-Cm) Gear Box Housing Gear Box Lubrication Gear Box

Clutch

Sealing Element Gasket Material Shaft Rotation Angle Foundation Casing Material Rotation Speed At 120°

1.5Amp 4500 r.p.m. 25W 2.0 250 kg 175 High impact die-cast aluminium Superior Lithium Complex Grease High impact die-cast aluminium machined precision Adjustable double clutch-steel with surface treatment with self-lubrication fitted with spring Sealing lips with spring at shaft Nitrile rubber (NBR) 360° Die-cast aluminium 8 sec

Concealed underground, the Aprigate ECO operator will not alter the gate appearance in any way.

The working mechanism of Aprigate ECO operators is powered by electro-mechanical motor and gears hydraulics, pneumatics or valves resulting in smooth and whisper quiet gate operation in both directions.

Aprigate ECO incorporates an adjustable friction clutch as a safety feature to its operators that suspend the motion of the gates when met with an obstruction.

In the event of a power failure the gates can easily be pushed by hand because of an inherent reversible clutch system of Aprigate ECO operators.

B XING ARM

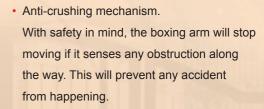
Electro-Mechanical Automated System



Model **299 AC MOTOR 299 DC MOTOR**

299 DC MOTOR Technical Specification 299 AC MOTOR 230V AC / 50 Hz 24V DC Power supply Single phase 4-pole / 0.5HP Operator motor type Absorbed power 370W 100W Current consumption 2A 1A 1400 RPM 2600 RPM Motor rotating speed Jogging Overheating protection S2-15 min Thermal bimetallic @ 160°C max. to coil Capacitor 16 µF Linear speed 0.18 m/s 0.3 m/s 18Nm Maximum torque Max. 400kg Gate weight Max, 600kg Teethed solid steel pinion gear Transmission output Teethed solid steel pinion gea Pinion module Main shaft material Zinc plated anti-rust shaft Zinc plated anti-rust shaft Gear lubrication Grease Grease Gate position Vertical mounting Vertical mounting Self-locking capability Available via worm gear Available via worm gear Travel limitation Via matsushita micro switch Via matsushita micro switch (UL/CSA/VDE/SEMKO (UL/CSA/VDE/SEMKO approval) spring limit switches approval) spring limit switches

ARM GATE SYSTEM



- Four selectable speed to choose and can manually configure the moving speed of the arm gate according to your preference.
- · With optional backup battery, you can be sure that the arm gate can still operate even if AC power cut occurs.

Technical Specification	Model: BX 24S	Model: BX 24
Power supply	230 Vac 50 Hz	230 Vac 50 Hz
Motor power supply	24Vdc	24Vdc
Rate power	25w	25w
Rate current	2.2 Amp	2.2 Amp
Piston stroke	235mm	310mm
90 opening time	8 secs	8 secs
Max. wing width (with lock)	3.00m	3.00m
Max. wing weight	250 kg	250 kg
Anti-crush safety device	electronic	electronic

SLIDING GATE SYSTEM



- · Ideally suited for commercial and residential applications
- Manual key release system with security cover that unlocks the gate and simply be pushed open during emergencies
- Advanced microprocessor control panel equipped with an auto close timer, gate sensitivity system, gate brake system and safety infra-red photo-sensor input