

SURFACE MOUNTING MOTORS



- 230 Vac irreversible electromechanical geared motor
 - Neat design and size, particularly suited to forged iron gates
 - Worm protected by a scraper ring and stainless steel stem, suitable for use in dusty and sandy environments or where there are aggressive atmospheric agents
 - Available in right or left version with 300 mm stroke (BILL30M series) or 500 mm stroke (BILL50M series)
- Quick and easy to install, thanks to reduced size and installation requirements.

24 Vdc

- 24 Vdc irreversible electromechanical geared motor for intensive use
- Anti-crushing system with amperometric sensor
 - Prepared for battery back-up system



Key-operated unlocking system accessible from top: Perfect also in areas where there is limited space



High quality metal gear guaranteeing strength and reliability

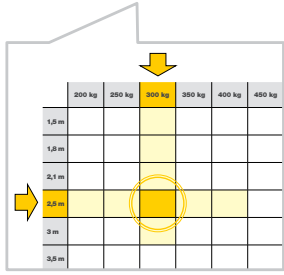


Stem cover accessory suited to extreme climates. Innovative (telescopic), saving space at the front.

BILL:

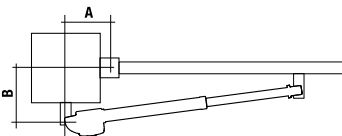
GUIDE FOR CHOOSING

Choose the weight and the length in the chart and find out the most suitable model.



gate length	leaf max weight								
	200 kg	250 kg	300 kg	350 kg	400 kg	450 kg	500 kg	600 kg	700 kg
2,1 m	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL5024	BILL30M BILL50M BILL5024	BILL50M
2,5 m	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL5024	BILL30M BILL5024	BILL50M BILL5024	BILL50M
3 m	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL5024	BILL30M BILL5024	BILL50M BILL5024	BILL50M BILL5024	BILL50M	
3,5 m	BILL50M BILL5024	BILL50M BILL5024	BILL50M BILL5024	BILL50M BILL5024	BILL50M BILL5024	BILL50M BILL5024	BILL50M		
4 m	BILL50M BILL5024	BILL50M BILL5024	BILL50M BILL5024	BILL50M BILL5024	BILL50M				
4,5 m	BILL50M BILL5024	BILL50M BILL5024	BILL50M BILL5024	BILL50M					
5 m	BILL50M BILL5024	BILL50M							

	A	B
BILL30M/24	100-150 mm	100-150 mm
BILL50M/24	120-250 mm	120-250 mm

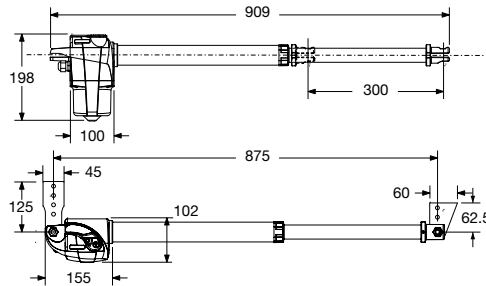


	BILL30M	BILL3024
2,1 m	600 Kg	450 Kg
2,5 m	500 Kg	400 Kg
2,3 m	400 Kg	300 Kg

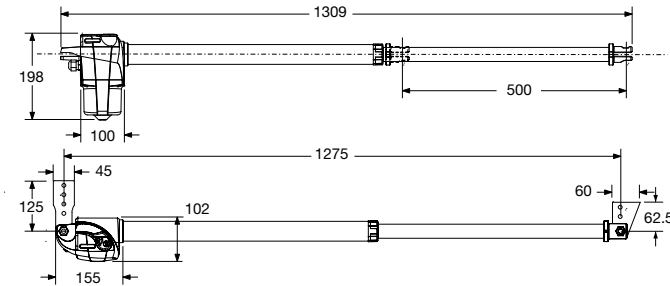
	BILL50M	BILL5024
2,1m	700 Kg	600 Kg
2,5m	700 Kg	600 Kg
3m	600 Kg	500 Kg
3,5m	500 Kg	450 Kg
4m*	400 Kg	350 Kg
4,5m*	350 Kg	300 Kg
5m*	250 Kg	200 Kg

* For leaves longer than 4m we advise to install an electric lock

BILL30M / BILL3024



BILL50M / BILL5024



SETS AVAILABLE



TECHNICAL DATA

	BILL30M	BILL50M	BILL3024	BILL5024
Power supply	230 Vac	230 Vac	230 Vac	230 Vac
Motor supply	230 Vac	230 Vac	24 Vdc	24 Vdc
Max. absorbed current	1,35 A	1,35 A	5 A	5 A
Thrust	3200 N	3200 N	2000 N	2000 N
Opening time	16"	21"	13"	17"
Operation cycle	30%	30%	intensive use	intensive use
Standard stroke	300 mm	500 mm	300 mm	500 mm
Max stroke	320 mm	520 mm	320 mm	520 mm
Protection level	IP 54	IP 54	IP 54	IP 54
Operating temp.	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3 m	5 m	3 m	5 m
Weight	6,5 Kg	7,1 Kg	4,9 Kg	5,5 Kg
Items no. per pallet	66	55	66	55

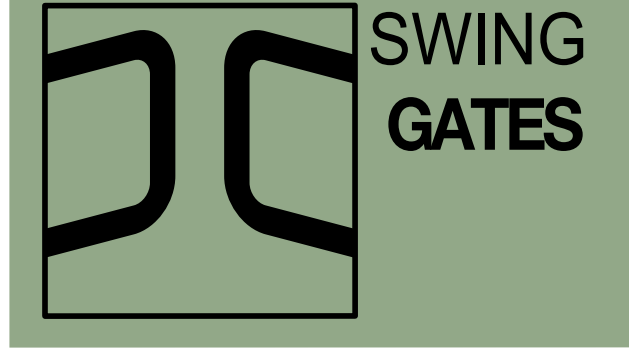
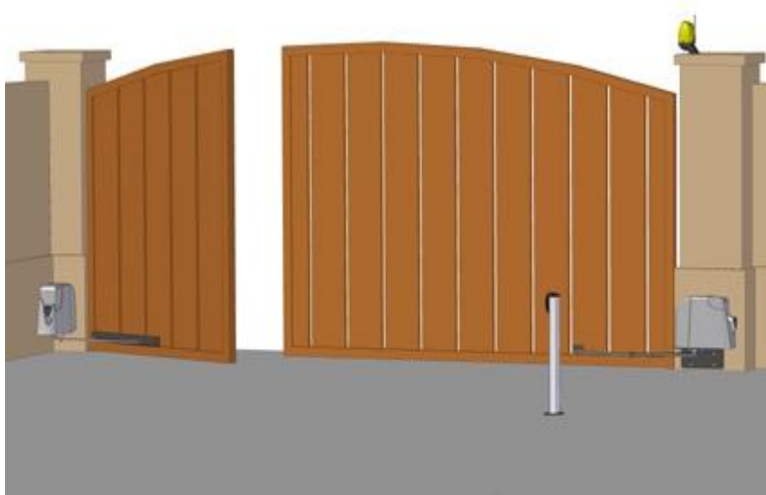
QUALITY AUTOMATIONS

Add : #351 &352, Kempegowda Layout, Outer Ring Road, Laggere, Bangalore - 560058. INDIA _ Tel. +91 080 28397671 / + 91 9591975597 / +91 9686077009

Email - info@qualityautomations.com , Website : www.qualityautomations.com



SURFACE MOUNTING MOTORS



SWING GATES

- 24Vdc Self-locking electromechanical operator for intensive use
- Suitable for gates installed on large posts
 - Operation continuity guaranteed in case of power failure with the battery back up unit integrated in the operator
 - Amperometric anticrushing control
- Possibility of adjustable external unlock device which allows the system to be operated from outside in the event of a power cut
 - Equipped with mechanical stop in opening
 - BN.PD available for use in pedestrian gates. (Requires BA articulated arm or BN.BS sliding arm)



Compact design combines simplicity requirements and all of the strength and quality of the BENINCA' range



Unlock device with key



Articulated anti-shearing arm made of painted aluminium

NOTES:

.....

.....

.....

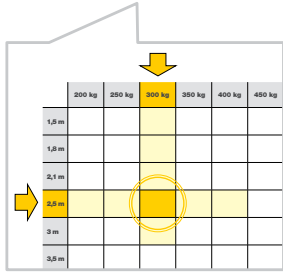
.....

.....

BEN:

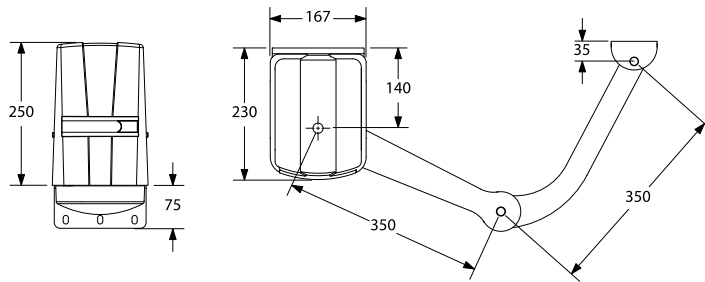
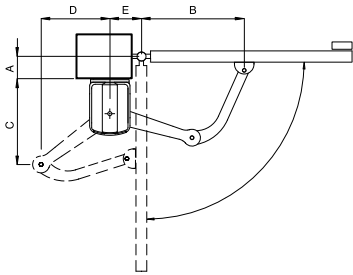
GUIDE FOR CHOOSING

Choose the weight and the length in the chart and find out the most suitable model.



leaf max weight

gate length	leaf max weight									
	170 kg	200 kg	250 kg	280 kg	300 kg	350 kg	400 kg	500 kg	600 kg	
1 m	BEN	BEN	BEN	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E PR.45ER PR.45E24	PR.45E PR.45E24	PR.45E PR.45E24	
1,5 m	BEN	BEN	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E PR.45ER PR.45E24	PR.45E PR.45E24	PR.45E PR.45E24	
1,8 m	BEN	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E PR.45ER PR.45E24	PR.45E PR.45E24	PR.45E PR.45E24	
2,1 m	PR.45E PR.45ER MBE24	PR.45E PR.45ER MBE24	PR.45E PR.45ER MBE24	PR.45E PR.45ER MBE24	PR.45E PR.45ER PR.45EL MBE24	PR.45E PR.45ER PR.45EL PR.45E24	PR.45E PR.45ER PR.45EL PR.45E24	PR.45E PR.45ER PR.45EL PR.45E24	PR.45E PR.45ER PR.45EL PR.45E24	
2,5 m	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E PR.45E PR.45E24	PR.45E PR.45E PR.45E24	PR.45E PR.45E PR.45E24	PR.45E PR.45E PR.45E24	PR.45E PR.45E PR.45E24	
3 m	PR.45E PR.45E24	PR.45E PR.45E24	PR.45E PR.45E24	PR.45E PR.45E24	PR.45E PR.45E PR.45E24	PR.45E PR.45E PR.45E24	PR.45E PR.45E PR.45E24	PR.45E PR.45E PR.45E24	PR.45E PR.45E PR.45E24	
3,5 m	PR.45EL	PR.45EL	PR.45EL	PR.45EL	PR.45EL	PR.45EL	PR.45EL	PR.45EL	PR.45EL	
4 m	PR.45EL	PR.45EL	PR.45EL	PR.45EL	PR.45EL	PR.45EL	PR.45EL	PR.45EL	PR.45EL	



A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	α°
0	470	382	253	140	90°
50	470	373	261	140	90°
100	470	370	264	140	90°
150	470	375	260	140	90°
185	470	412	220	160	90°
0	420	266	327	200	110°
100	420	305	309	200	105°

BN24/BN.E24	
LEAF DIMENSION	MAX. WEIGHT
1 m	250 Kg
1,5 m	200 Kg
1,8 m	170 Kg

BN.PD	
LEAF DIMENSION	MAX. WEIGHT
0,8 m	150 Kg
1,2 m	130 Kg
1,6 m	100 Kg

SETS AVAILABLE



TECHNICAL DATA

	BN24	BN.E24	BN.PD
Power supply	-	230 Vac	230 Vac
Motor supply	24 Vdc	24 Vdc	24 Vdc
Max. absorbed current	4,6 A	0,76 A	0,76 A
Torque	125 Nm	125 Nm	125 Nm
Opening time	10"	10"	7"(with BN.BS)
Operation cycle	intensive use	intensive use	intensive use
Protection level	IP 44	IP 44	IP44
Mechanical stop	adjustable in opening	adjustable in opening	adjustable in opening
Operating temp.	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Weight	6 kg	7,9 kg	7,9 kg
Built in control unit	No	Yes	Yes
Version	KIT only	KIT only	loose/pedestrian usage

QUALITY AUTOMATIONS

Add : #351 &352, Kempegowda Layout, Outer Ring Road, Laggere, Bangalore - 560058. INDIA _ Tel. +91 080 28397671 / + 91 9591975597 / +91 9686077009

Email - info@qualityautomations.com , Website : www.qualityautomations.com