

PF HD Automatic Barrier Specification Sheet



The PF HD Automatic Barrier is a very versatile &

strong barrier. It is easy to install and can easily handle lengths up to 9 metres without skirting. It is suited to applications such as lorry parks and

The PF HD Automatic Barrier

The PF HD Automatic Raise Arm Barrier is ideal for settings where the road width is up to 9metres wide. It can accomodate bottom skirt up

The PF Automatic Raise Arm Barriers are designed to offer long term reliability, efficient operation and durability.

They incorporate an integral 3 phase inverter driven motor and gearbox drive, which only requires a single phase supply, providing a smooth consistent operation.

It is controlled by a Programmable Logic Controller, which can be programmed to suit any access control requirements .The PF range are available with arm lengths spanning up to 9.0 metres.

We are able to offer bespoke barriers to suit your specification, we also offer corporate colours.

Whether your application is residential or commercial, the

PF range has the ultimate flexibility to suit your needs.

Quality control is a top priority, therefore ensuring the range we offer are vigorously tested, offering a robust 100% duty cycle product.

The design is the result of years of experience, taking the latest technology and coupling it with tried and tested methods. The result, a superior product giving long service life & peace of mind.



PF HD Automatic Barrier

Specification Sheet

Electric Motor:

400v 50hz 3 phase
6 pole
IP55
8mm End Cap
B14 C face mounted
Frame size 80
Output power: 0.55kW
Current @ 400v: 1.70A
Rated speed: 885rpm
Full-load power factor(cos): 0.72
Full-load efficiency: 65%
Locked rotor current is/in: 4.7
Locked rotor torque Ms/Mn: 2.0
Break down torque Ms/Mn: 2.1
Net weight 9.2kg
Driving end bearings: 6204RS/C3

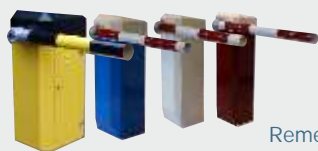
Geared Motor Spec:

Type: Worm & Wheel
Overall speed: 2 rpm
Max rated torque: 1050nm
Actual torque: 1000nm
Gearbox efficiency: 40%
Output size: 42mm
Mounting position: V5
Angular Backlash: 15' +/- 5' /
0.00436 +/- 0.00145
Lubricated with: Shell Tivela S320
1.70 litres



Don't forget to ask about all the different access control kit that we can supply. In the

majority of scenarios we will pre fit this equipment with your order cutting down the labour time on site. We offer endless combinations of access control.



Remember that we offer a

barrier that suits all applications. Our range currently consists of 4 barrier models (shown above). The PFB barrier is for small roadways of up to 4 metres, the PFS barrier can span distances of up to 6 metres, the PFLux model can span up to 7 metres and finally the PF HD Automatic Barrier model can span road ways up to 9 metres. All have different advantages and niche applications so for the best advice give us a call on:



Specification:

CE Approved (Conforms to BS6571)

Maximum Boom length:

9.0 Metres

Boom Diameter:

100 mm

Opening/closing time:

4.0 – 10.0 Seconds

Drive unit:

3 Phase Motor & Wormed Gearbox

Power Supply:

Single Phase 230v, 50Hz, 5 Amps

Finish:

Zinc Plated and Polyester Powder Coated.

Cycles:

100% Continuous Duty Rating

Dimensions: 506mm x 506mm x 1020mm (centre of pivot)

Optional Extras:

- Folding bottom skirt up to 8.5m
- Hi-Bar Skirt up to 6.5m
- Articulated Arm (Low Ceilings)
- Pogo tip support
- Boom lights
- Magnetic lock
- Lorry height Stop/No Entry signs
- Warning sounder/Flashing Beacon
- Sensing safety edges

Options for access control:

- Keypad
- Proximity Cards
- Voice/Video Intercom Access
- Token Acceptors
- Remote Control Fobs
- Key switch

- Heavy duty pillar block bearings
- Re-movable fibreglass hood (non rusting)
- Safety Door switch (Isolates power for protection)
- 3 Phase motor - Single Phase Supply (guaranteed reliability)
- Door mounted control panel (for ease of access and adjustment)
- Inverter driven - (smooth operation)
- Adjustable speed, acceleration and deceleration
- No springs required - (no balancing or adjustment necessary)
- Motor & gearbox direct drive - (no pulleys or belts required)
- Pre-wired loop detectors bases for single channel safety and entry/exit control.
- Heavy duty Roller plunger limit switches
- Programmable Logic Control - (c/w fault diagnostic on screen display)
- Adjustable acceleration and deceleration
- Manual Override (in case of power failure)
- Comes With M12 anchor shield bolts (no cabinet mounting plate required)
- 1.5 Amp power supply (for additional access control)

EVERY EFFORT HAS BEEN MADE IN PREPARATION OF THIS SHEET HOWEVER WE HOLD NO RESPONSIBILITY FOR ERRORS OR OMISSIONS.