



Byrnes Entrance Technology

Formerly FRB Industries established 1981

BYRNES ENTRANCE TECHNOLOGY PTY LTD ABN 36 099 717 067

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• AUTOMATIC DOORS • AUTOMATIC GATES • REVOLVING DOORS • TURNSTILES • BOOMGATES

Architectural Specification for Automatic Revolving Door

The revolving door shall be three/four door leaf type, programmable, self calibrating microprocessor controlled door operator, heavy duty and high performance type BET automatic revolving, as supplied and installed by Byrnes Entrance Technology Pty Ltd, Tel: (02) 9531 5559 Email: info@byrneset.com.au

Model: CL Classic

The revolving door to be 1800/2200/2400/2600/2800/3000/3200/3600/4000mm overall diameter x 2100/3000 door wing height x 400 canopy height x 2500/3400 overall height, comprising of three/four door wings, complete with BET drive system incorporated into the canopy and electronic controller.

Model: CL Classic large (widebody)

The revolving door to be 3600/4000/4400/4800/6200mm overall diameter x 2100/3000 door wing height x 500 canopy height x 2600/3500 overall height, comprising of three/four door wings, complete with BET drive system incorporated into the canopy and electronic controller.

Model: LF Light frame (with glass canopy)

The revolving door to be 1800/2200/2400/2600/2800/3000mm overall diameter x 2100/3000 door wing height x 60 glass canopy height x 2160/3060 overall height, comprising of three/four door wings, complete with BET drive system incorporated into the canopy and electronic controller.

Model: FG Full Glass (with glass canopy)

The revolving door to be 1800/2200/2400/2600/2800/3000mm overall diameter x 2100/3000 door wing height x 60 glass canopy height x 2160/3060 overall height, comprising of three/four door wings, complete with BET drive system incorporated into the canopy and electronic controller.

BET drive system shall consist of a TRP maintenance free, heavy duty asynchronous motor with frequency converter and TCP 101 microprocessor controller, which automatically registers system specific data for a constant and secure motion of the doors and is suitable for use with 240VAC 50Hz mains power supply, without the need for step down transformers.

The TRP drive motor includes an integrated overwind safety and emergency brake. The rotation of the doors shall be totally controlled via the micro-processor for the accurate slow down of door movement, even if power failure during full speed of operation and is fully adjustable via the function control panel. The operator when first switched on shall automatically adjust to its opening and closing positions.

The frame and canopy to be clad in aluminium material; powder coat or anodised selected finish or alternatively be clad in 304 grade stainless steel, no 4 linished or no 8 mirror finish.

Door wings of aluminium construction, incorporating horse hair sweep seals, glazed with 10.76mm clear laminated glass and clad in aluminium material, powder coat or anodised selected finish or alternatively 304 grade stainless steel, no 4 linished or no 8 mirror finish.

Fixed curved sidelights glazed with 10.76mm clear laminated glass, housed within the BET Slimline curved glazing system, powder coat or anodised selected finish or alternatively be clad in 304 grade stainless steel, no 4 linished or no 8 mirror finish. The canopy shall include removable access panels for servicing purposes

Control Functions - The programmable microprocessor control unit shall comprise of the following functions:

OFF/NIGHT: Door closed and locked.

REVOLVE: Continuous operation.

AUTO: Automatic operation with activation from detectors.

EXIT: Automatic operation form inside only with activation from inside detector.

MANUAL: Door can be operated manually.

The TCP 101 controller shall include connection facility for:

- Paneco control panel.
- Four (4) detectors suitable for use with 24VDC.
- Safety devices.
- Key switch.
- Electric lock.
- Emergency-off switch.
- Control panel lock.

BET Revolving door specification continued overleaf on page 2 ...

Safety - Safety functions are to be in-built into the equipment -

- a) **Door leaf safety** - a set of photo-electric safety beams, mounted to the leading side bottom rail of each door wing, to prevent the door(s) from colliding with the person in front of the door wing.
- b) **Leading mullion safety** - each leading mullion to include a pressure sensitive buffer strip, to stop the door when activated.

Electric Locking (Optional - specifier to delete if not required).

The revolving door shall be fitted with an electro-magnetic lock, so designed to include position monitoring and manual engagement/disengagement inside and outside.

Panic breakout doors (Optional - specifier to delete if not required).

The revolving door to be fitted with panic breakout door leaves, to swing in the direction of egress for emergency exit.

Night slide lock up doors (Optional – specifier to delete if not required).

The revolving door to be fitted with a pair of night slide lock up doors, located on the external side of the revolving door.

Supply Voltage: 240 VAC, 50Hz, 10 amp single phase power point shall be provided by others.

Door Activation: Surface Mounted Active Infra-red Detector, modular solid state.

Proprietary Item supplied by: Byrnes Entrance Technology Pty Ltd Email: info@byrneset.com.au

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