

PRODUCT SPECIFICATIONS – “SERIES 70 ROLLER GRILLES”

PROPRIETARY SPECIFICATION

“Series 70” Steel Roller Grille as manufactured by Mirage Doors

“Series 70” High Cycle Steel Roller Grille as manufactured by Mirage Doors

“Series 70” Aluminium Roller Grille as manufactured by Mirage Doors

CURTAIN

- Steel / High Cycle Steel – 19mm x 1.2mm diameter galvabond steel tubes connected by 40mm x 2.5mm zinc plated blue mild steel links. The ends of every tube shall have a nylon sleeve to minimise noise.
- Aluminium – 19mm x 2.0mm diameter aluminium tubes connected by 40mm x 2.5mm aluminium links. The links are riveted to the tubes at nominal staggered 500mm centres. The ends of every tube have a nylon sleeve to minimise noise;
- The free air flow derived from both curtain types is 63%.

DRUM

The drum shall be manufactured from steel tube. Helical coil oil tempered springs will be fitted to an axle inside the drum tube. Drum deflection shall not exceed 1/360th of the drum span.

GUIDES

Side guides shall be 86mm x 40mm extruded aluminium sections.

BRACKETS

The standard brackets are fabricated from mild steel and supplied in a prime painted finish.

BOTTOM RAIL

Formed from extruded aluminium, and is designed to accept a weatherseal if required. An optional steel box section bottom rail is available upon request.

OPERATION (SELECT FROM)

- Manual by hand (up to 6m² overall size – a pull hook is provided for high shutters);
- Chain operation (for grilles 6.01m² - 25.0m² overall size);
- Electric operation (**low cycle applications**) 1 h.p. motor / gearbox c/- limit switches and reversing contactor;
- Electric operation (**high cycle applications up to 50 operations per day**) 1 h.p. 3 phase fan cooled motor / gearbox c/- logic control box and photo electric beam protection (supply, install & interfacing of access control systems are by others).

LOCKING

Shoot bolts fitted internal or external (shoot bolts are not recommended for motorised grilles).

FINISH OPTIONS (SELECT FROM)

- Steel – galvabond;
- Aluminium – Matt natural anodised aluminium;
- Powdercoat finishes are not available with this product, due to excessive paint rub caused by the curtains' rolling action.

SPECIAL NOTES

- The power supply required for the motor is either:
 - 3 phase 415v with neutral (10 amp), located within one metre of the motor;
 - Single phase hard wired (10 amp), located within one metre of the motor.
- Work by others:
 - Power supply provision as outlined above;
 - Structurally adequate wall / mounting points to support the roller shutter;
 - Adequate headroom & sideroom as per Tech. Data sheets to ensure successful operation (note that Series 3 roller shutters cannot be side mounted);
- Product warranty – 12 months.

Mirage Doors has a continuous program of product development, and reserves the right to change specifications at any time without notice.