

844

For gates up to 2200 kg.

844 – The Cost Effective Option for Industry

The 844 operator has been designed to provide the most cost-effective solution for moving even the heaviest gates in either commercial or industrial applications. The electronic equipment can be fitted either internally or remotely, allowing for a more efficient installation.

844 – Strength with the Gentle Touch

Constant oil bath lubrication of the mechanical components, together with single high-strength die-cast aluminium casing, ensures a very long service life. The 844 system uses a disc clutch which is adjustable to specific torque requirements.

844 – Security with Economy

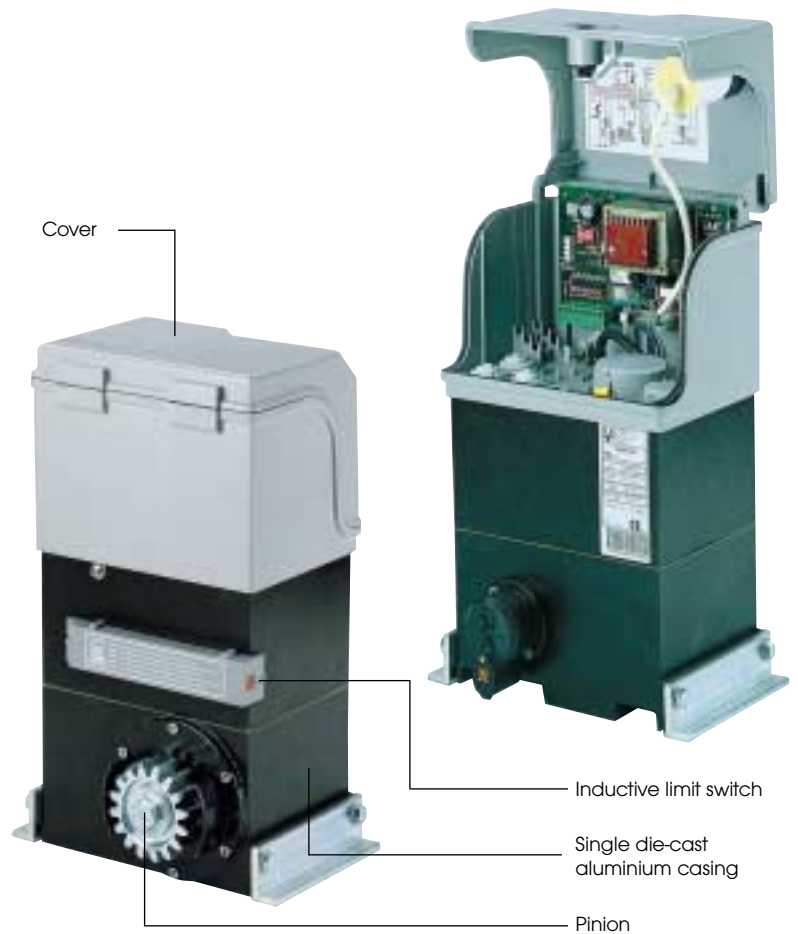
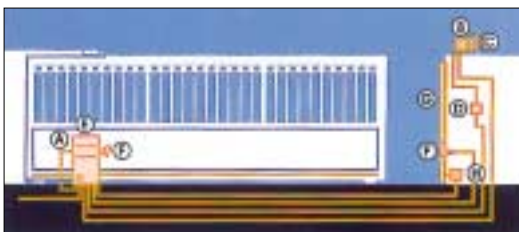
As the gear unit cannot be reversed, unnecessary expenditure on electric locks can be avoided. However the release device enables manual operation in the event of power failure - this feature is available with a customised key.

FAAC – Simply the world's best welcome

World leaders for over 30 years, FAAC offer total reassurance of the highest quality gate operating systems backed with a national network of qualified installers. Each of our systems is designed to meet the on-going demands of usage with the highest level of reliability and the minimum maintenance support.

INSTALLATION LAYOUT

- A. Gear motor FAAC 844
- B. FAAC LAMP, MINILAMP
- C. Radio receiver
- D. Control devices: flush mounting T10 and T11, external T20 and T21, FAAC SWITCH, METALDIGIKEY, DIGICARD
- E. 844 MP, 844 BC control unit
- F. Photocells, external PHOTOBEAM/SAFEBEAM
- G. Safety edge S 30
- H. Junction box with pressure switches



844 / 844 3 PHASE / 844 REVERSIBLE

| | 844 | 844T | 844R |
|------------------------------|--|---|--|
| Motor Power supply | 230V (+6%, - 10%), 50/60 Hz | 400V (3 phase) (+6%, - 10%), 50 Hz three phase | 230V (+6%, - 10%), 50/60 Hz |
| Absorbed Power | 650W | 950W | 550W |
| Current drawn | 3.5A | 2.5A | 2.5A |
| Maximum thrust | 1100N (Z16) | 1900N (Z16) | 830N (Z12) |
| Motor speed | 1400rpm | 1400rpm | 750rpm |
| Motor winding thermal cutout | 120°C | 135°C | 140°C |
| Duty cycle | 50% | 60% | 30% |
| | 17 cycles per hour on a 5m gate (Z16) | 26 cycles per hour on a 5m gate (Z12) 34 cycles per hour on a 5m gate (Z16) | 20 cycles per hour on a 5m gate |
| Clutch disk oil bath | | | |
| Reduction ratio | 1:30 | 1:30 | 3:29 |
| Operating temperature range | -20°C to + 55°C | -20°C to + 55°C | -20°C to + 55°C |
| Weight with oil | 14.5kg | 15kg | 15kg |
| Oil type | FAAC Oil XD 220 | FAAC Oil XD 220 | FAAC Oil XD 220 |
| Gate Speed | 9.5m/min (844 using the Z16 pinion) 12m/min (844 Z20 pinion) max wt reduced to 1000kg | 7.2m/min (using the Z12 pinion) 9.5m/min (using the Z16 pinion) max weight reduced to 1600kg | gate speed 11.6 m/min (using the Z12 pinion) |
| Limit switch | inductive with stop plate | inductive with stop plate | inductive with stop plate |
| Max gate length | 50m (Z20) 40m (Z16) | 40M | 49M |
| Max gate weight | 1800kg | 2200kg | 1000kg |

CONTROL BOARD TECHNICAL SPECIFICATION

| | 844MPS | 844BC | 844T | 844MPS-R |
|--------------------------|---------------------------------------|-----------------------------|------------------------------|-------------------------------------|
| Power Supply | 230V (+6%, - 10%), 50/60 Hz | 230V (+6%, - 10%), 50/60 Hz | 400V (+6%, - 10%), 50/60 Hz | 230V (+6%, - 10%), 50/60 Hz |
| Motor max load | 650W | 650W | 950W | 650W |
| Programmable logics | A/E/S | B/C/BC/CB | A/E/S/B/C | A/E/S |
| Programmable functions | Warning light pause times | Warning light | Warning light pause times | Warning light pause times |
| LED's | inputs limit switches | power limit switches | inputs limit switches | inputs limit switches |
| Fuses | transformer motor accessories | motor accessories | transformer accessories | transformer motor accessories |
| | Trimmer for braking adjustment | | | |
| Operating temp range | -20°C to + 70°C | -20°C to + 70°C | -20°C to + 55°C | -20°C to + 55°C |
| Housing protection | IP55 | IP55 | - | - |
| Accessories power supply | 24V, 500mA | - | 24V, 500mA | 24V, 500mA |