

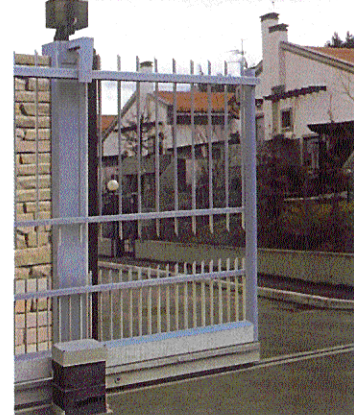
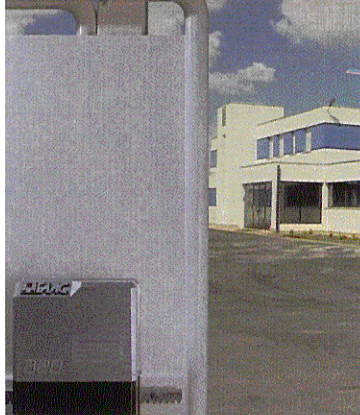
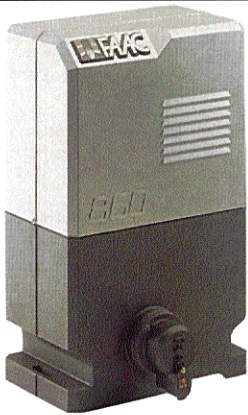
Slide Gate Operators

Model 860

Model 820

Model 844

Model 746



- designed for high pulling force requirements in high traffic applications
- 3/4 horsepower motor, 220 volt operation
- continuous duty operation
- "soft stop" on opening and closing
- easy connection with safety and access control systems
- choice of chain or rack & pinion
- choose from 8 operating modes
- available with or without installation kit

- designed for moderate pulling force requirements in high traffic applications
- 1/2 horsepower motor, 220 volt operation
- features GentleSlide™ Motion Management: when an obstacle is encountered, the gate will stop and reverse when closing, and completely stop when opening
- choose from 8 operating modes
- choice of chain or rack & pinion
- available with or without installation kit

- designed for limited duty industrial applications
- 3/4 horsepower motor, 220 volt operation
- "soft stop" on opening and closing
- features Oil Immersed Clutch, which limits the amount of pressure the operator can apply to moving the gate
- choice of chain or rack & pinion
- available with or without installation kit

- designed for residential and light commercial applications
- 1/2 horsepower motor, 220 volt operation
- features GentleSlide™ Motion Management: when an obstacle is encountered, the gate will stop and reverse when closing, and completely stop when opening
- choose from 4 operating modes
- choice of chain or rack & pinion
- available with or without installation kit

746, 820, 844, 860 Series Electromechanical Slide Gate Operators

Model Duty Type	746 Residential and light commercial	820 Standard & Continuous Duty Residential, apartment, subdivision, commercial	844 Limited-duty industrial	860 Continuous Duty Apartment, subdivision, commercial, industrial
Gate Speeds Available	• 8 in./sec (20 cm/sec) or • 10 in./sec (25 cm/sec)	• 8 in./sec (20 cm/sec) or • 10 in./sec (25 cm/sec)	• 8 in./sec (20 cm/sec) or • 10 in./sec (25 cm/sec)	• 8 in./sec (20 cm/sec) or • 10 in./sec (25 cm/sec) or • 14 in./sec (35 cm/sec)
Pulling Force¹ at start-up under maximum load	• 45 lb (20 kg) @ 8 in./sec (20 cm/sec) • 35 lb (16 kg) @ 10 in./sec (25 cm/sec)	• 45 lb (21 kg) @ 8 in./sec (20 cm/sec) • 35 lb (16 kg) @ 10 in./sec (25 cm/sec)	• 125 lb (56 kg) @ 8 in./sec (20 cm/sec) • 100 lb (45 kg) @ 10 in./sec (25 cm/sec)	• 85 lb (38 kg) @ 8 in./sec (20 cm/sec) • 65 lb (30 kg) @ 10 in./sec (25 cm/sec) • 45 lb (21 kg) @ 14 in./sec (35 cm/sec)
Gate Length Limitation	Gate length is limited by pulling force required and a maximum motor run time of 2 minutes	• 33 ft (10 m) @ 8 in./sec (20 cm/sec) • 42 ft (13 m) @ 10 in./sec (25 cm/sec)	Gate length is limited by pulling force required and a maximum motor run time of 4 minutes	• 33 ft (10 m) @ 8 in./sec (20 cm/sec) • 42 ft (13 m) @ 10 in./sec (25 cm/sec) • 59 ft (18 m) @ 14 in./sec (35 cm/sec)
Duty Cycle²	50% motor run time ³	Standard: 50% motor run time ³ Continuous: 100% motor run time ³	30% motor run time ³	100% motor run time ³
Drive Types Available	Chain or rack & pinion	Chain or rack & pinion	Chain or rack & pinion	Chain or rack & pinion
Approx. Operator Dimensions⁴ (l x w x h)	7 3/4 x 5 1/2 x 11 1/2 in. (19.5 x 14 x 29 cm)	Standard: 9 x 5 1/2 x 15 in. (22.7 x 14 x 38.2 cm) Continuous: 11 1/4 x 5 1/2 x 15 in. (28.8 x 14 x 38.2 cm)	7 3/4 x 5 1/2 x 15 1/4 in. (19.5 x 14 x 38.6 cm)	11 1/4 x 5 1/2 x 15 in. (28.8 x 14 x 38.2 cm)
Power Supply	220 VAC ± 10%, 60 Hz	220 VAC ± 10%, 60 Hz	220 VAC ± 10%, 60 Hz	220 VAC ± 10%, 60 Hz
Features	<ul style="list-style-type: none"> • Motion sensor equipped • Microprocessor control featuring - "garage door style" control, or - command open/auto closure • Easy install external limit switch system • Easy interconnection with safety & access control systems 	<ul style="list-style-type: none"> • Motion sensor equipped • Microprocessor control featuring - "garage door style" control, or - command open/auto closure, or - anti-tailgating control, or - guard station control • Partial opening • Internal limit switches • Automatic cooling (continuous duty version only) • Easy interconnection with safety & access control systems 	<ul style="list-style-type: none"> • Microprocessor control featuring - "garage door style" control, or - command open/auto closure, or - anti-tailgating control • Non-microprocessor guard station control available • Easy install external limit switch system • Easy interconnection with safety & access control systems 	<ul style="list-style-type: none"> • Motion sensor equipped • Microprocessor control featuring - "garage door style" control, or - command open/auto closure, or - anti-tailgating control, or - guard station control • Partial opening • Internal limit switches • Automatic cooling • Easy interconnection with safety & access control systems

Applies to all of the above

- Oil immersed adjustable clutch to regulate opening and closing pressure.
- Motion sensor to reverse gate if obstacle is encountered while closing and to stop gate if obstacle is encountered while opening. (Not available on 844 and may be disabled on 820 & 860 if greater security is required)
- Automatic locking in opened and closed positions, eliminating need for external locks.
- Manual release.
- Electronic braking to slow gate at end of travel.

- Oil encased worm drive mechanisms provide maximum thrust in a compact design.
- Ambient temperature operating range of -13°F to 158°F (-25°C to 70°C).

- 1 Measured at 220 volts and at 72°F (22°C); increased and decreased voltage affects pulling forces respectively.
- 2 Measured at 220 volts and at 72°F (22°C); increased and decreased voltage and/or temperature affects duty cycle respectively.
- 3 Duty cycle may vary if gate and operator are not installed properly.
- 4 Dimensions do not include provisions for the manual release, pinions or sprockets, and mounting hardware.