

Securitex Autogate division



Electronic Systems Engineering

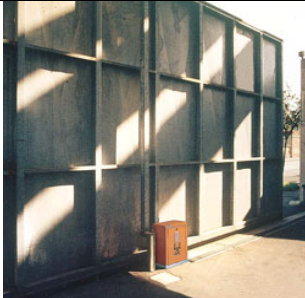
FAAC 884 MC THREE-PHASE industrial gear motor system For sliding gates with maximum weight of 3500 kg

SPECIFICATIONS

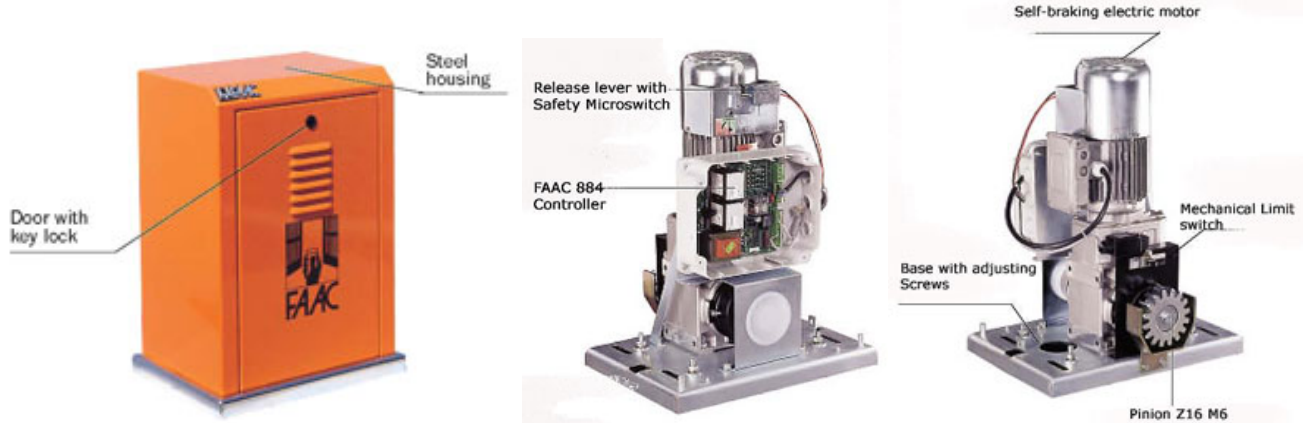
Reversing gear motor with brake motor • Gate max. Weight 3.500 Kg (Z16) • Gate speed 10m/min • Max. Use frequency 50% (100% for max gate weight of 2,000 Kg) • Max torque 155 Nm • Electric motor power supply 230/400 V (3ph) (+6% -10%) - 50(60) Hz • Electric motor power 850 W • Straight shaft gearbox • Operating ambient temperature -20°C +55°C • Protection class IP55 • Lever operated release device with safety micro switch • Mechanical limit-switch with lever and roller micro switch • Steel housing protected by cataphoresis treatment and polyester paint RAL 2004 • Base with leveling screws • Door with triangular key and safety micro switch • Twin disk clutch in oil-bath - Anti-crushing safety to UNI 8612 standard • Device for adjusting clutch with a hexagonal key • Galvanized foundation plate (optional) • Dimensions (L x W x H) 430 x 310 x 586 (mm)

884 T control board

Control board with limit-switch inputs for controlling three-phase gear motors for sliding gates • Power contactors • Motor maximum load 1.3 KW • 24 Vdc - 500 mA max. Output for accessories • Microprocessor control • 2 protection fuses (motor/ accessories) • Inputs status signaling LEDs • Connector for card receiver/decoding cards • Separate high and low voltage terminal boards • Inputs status signaling LEDs • Programming Dip Switches • Electronic braking device • Automatic (A1-A2-S1-S2), semi-automatic (E1-E2) and “deadman” function logics (B-C) • Two logics for safety devices (Dip Switches) • Pause times in selection range of 5 s to 180 s (Dip Switches) • Selectable 5 s pre-flashing (Dip Switch) • Inputs: closing safety devices, stop push-button, total opening push-button, partial opening/closing push-button, limit-switch • Outputs: power supply for accessories, motor, flashing lamp and indicator-light

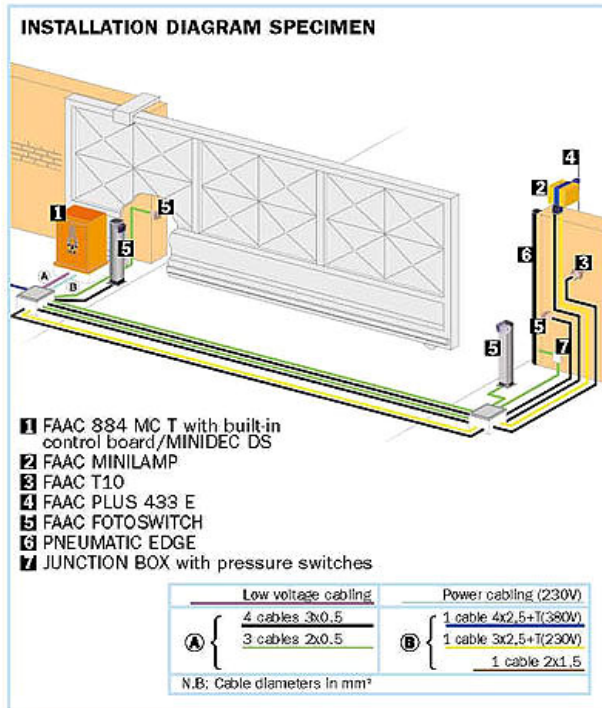
<p><u>DESIGNED FOR INDUSTRY</u> The FAAC 884 gear motor was designed to move the heaviest industrial gates in the simplest and safest way. “Industrial” duty is assured by the gear motor’s exceptional performance, enabling intensive use frequency also for gates weighing 3.500 kg.</p>	 <p style="text-align: center;">FAAC 884 Motor driving Massive gate</p>	<p><u>IRREVERSIBLE</u> In case of emergency, the braking device guarantees leaf stop within very limited space, thus improving anti-crushing safety. The device also ensures the gate stays closed, so there is no need to install electric locks or bolts. In case of a power failure, a special key-protected release lever allows the gate to be opened and closed manually.</p>
<p><u>THE CHARACTER OF STEEL</u> The special twin-disk clutch, in oil bath, enables drive torque adjustment from 0 to 155 daN. The steel housing – cataphoresis treated and polyester painted - is highly resistant to any environmental aggression, offering reliability to meet the most severe demands.</p>	<p><u>GUARANTEED LONG-LIFE</u> Constant oil-bath lubrication of mechanical components plus assembly in a high resistance pressure-cast enbloc aluminium body ensure extremely long operator life.</p>	<p><u>INTELLIGENT TECHNOLOGY</u> Automation is controlled by a high-tech control board with microprocessor, which controls all the necessary functions and is designed for connection to control, safety and signaling devices.</p>

The FAAC 884 MC Three Phase Sliding gear motor system that is capable to drive gate of up to 3500 kg.



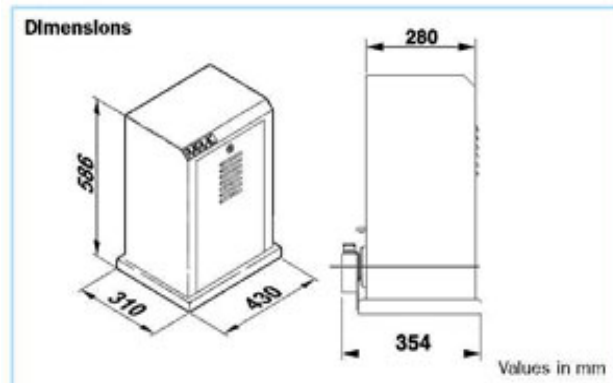
Model	Application (Used)	
	Max Weight	Use frequency %
884 MC Three Phase	3500 kg	50/100 (2000 kg)

Technical specifications	884 MC THREE-PHASE
Power supply	230 V 3ph (+6% -10%) 50 (60) Hz
Absorbed power	400 V 3ph (+6% -10%) 50 (60) Hz
Absorbed current	850W
Torque	2.7 A(230V) - 1.6 A(400V)
Motor rotation speed	from 0 to 155 Nm
Reduction ratio	1.400 rpm
Operating ambient temperature	1:43,2
Weight	-20°C +55°C
Protection class	50 kg
Type of oil	IP 55
Gate speed	FAAC OIL XD 220
Limit-switch	10 m/min (Z16)
Clutch	With lever and roller
	Micro switch
	Twin disk in oil-bath



Specifications of 884 T control board	
Power supply	230 V 3ph (+6% -10%) 50 (60) Hz
Motor maximum load	400 V 3ph+N (+6% -10%) 50 (60) Hz
Accessories output	1300 W
Operating ambient temperature	24 Vdc 500 mA max
Power supply to indicator-light	-20°C +55°C
Two protection fuses	24 V~ (5W max)
Safety timer	5 A transformer
	1.6 A accessories
	255 sec.

- Inputs - Open, partially open, stop, closing safety devices, limit-switch
- Outputs - Indicator-light, flashing lamp, motor, 24 Vdc power supply for accessories
- Programming
 - Pause time (5/10/15/30/60/120/180 sec.),
 - logics A1/A2/S1/S2/E1/E2/B/C, pre-flashing.



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