




SWIFT (manual operation)
SWIFT (power operation)
Standard Details and Equipment

Type of Door	Side hung bi-parting door available with any combination of 1, 2 or 3 leaves folding to one or both sides, ie, TWO+ONE or THREE+TWO, etc. All mounted on inside of opening.	Side hung fast acting bi-folding door available with 2 leaves folding to one or both sides, ie TWO or TWO+TWO. All mounted on inside of opening.
Maximum Width (mm) • see chart for max sizes for each leaf configuration	5700mm	4750mm
Maximum Height (mm)	6000mm	
Maximum area of door (m²)	24m ²	
Performance	Performance in accordance with BS EN 13241-1:2003 (Tested August 2005) <ul style="list-style-type: none"> • Forces for Manual Operation – Pass • Operating Forces – Pass • Watertightness – Class 2 (50pa) • Air Permeability – Class 2 • Durability of Performance – Pass (110,000 continuous cycles in 60 days) 	
Max. Wind Pressure (kN/m²)	0.7kN/m ² (6m high door), 1.1kN/m ² (5m high door), 1.7kN/m ² (4m high door), 3.1kN/m ² (3m high door) (See Note (2) below)	
Sideroom required (mm)	180mm	
Headroom required (mm)	150mm	
Weight (kg)	Door 20-24kg/m ² . Tracks 5kg/m.	
Panel construction / thickness	Panels are constructed from cold rolled galvanised channel frame with local reinforcement for hardware. The frame is covered on both sides with min. 0.6mm thick steel sheets and pressure injected with CFC free polyurethane foam to form an extremely strong, flat panel. The panel thickness is 52mm with a basic sandwich U-value of 0.40 W/m ² /°C. Acoustic Performance of the Panel – Average Weighted SRI, RW Index tested at 29dB. Overall door 25dB.	
Finish	Option 1 - External sheet in stock colour – Platisol (leathergrain) in Poppy Red, Solent Blue, Ocean Blue (see note 1), Olive Green (see note 1), Goosewing Grey, White and Aztec Yellow. All hardware is anodised aluminium / zinc plated as standard. Aluminium trims are mill-finished aluminium.	
Weatherseals	Double EPDM rubber seals are fitted at threshold, jambs and all joints between leaves. A brush seal is fitted at the head. All vertical joints provide full finger trap protection and the overall door is fully weather sealed.	
Top track and guide rollers	Top guide track is a 50 x 50 x 3 mm galvanised channel mounted with adjustable brackets. Top guide rollers are 42 mmØ nylon guide wheels running on 16 mmØ steel shafts set in anodised aluminium fittings. A bottom channel is not required.	
Threshold	100 x 10mm thick galvanised mild steel threshold plate is bolted to the floor using anchor bolts	
Hinges	Door weight is carried at the jambs, on purpose designed hinges, which offer both sideways and vertical adjustment of leaves. Apex hinges are extruded aluminium fittings with Ø16-mm stainless pins. Bottom apex hinges allow vertical adjustment of leaves. All hinges have self-lubricating bushes and are very low maintenance.	
Locking and Hardware	A drop bolt and an aluminium pull handle are fitted internally to each leaf. Passive leaf to 3+1 or 3+3 doors fitted internally with full height espagnolette bolt with internal lever handle only.	Drive motors automatically lock the door in the closed position. Manual release screw fitted to motor body to allow door to manually opened. Aluminium extruded pull handle fitted internally to each leaf.
Drive / Control Equipment	n/a	FAAC 560 electro-hydraulic drive unit mounted at high level to each pair of leaves. Telescopic drive arm fitted between operator and jamb. FAAC 455D control panel with Run-Stop push button. Power supply required 240V, 50Hz, Single Phase, 6 amp. Push Button Operation 1. Continuous push Run to open, continuous push Run to close, with PB mounted so user has full view of opening at all times.

	SWIFT (manual operation)	SWIFT (power operation)
Optional Details and Equipment		
Threshold Plate	Chamfered – 100 x 10mm thick galvanised mild steel plate with both edges machined to 45°. None – 35mm brushes fitted to bottom of door leaves.	
Locking and Hardware	Full height espagnolette bolt with internal steel lever / pull handle fitted between pairs of leaves – not operable from outside. Lever furniture fitted to doors with an Active leaf (2+1, 3+0, 3+1, 3+2 & 3+3), Odd leaf fitted with Hewi lever handles, mortice sash lock, external Euro-cylinder and internal thumbturn for use as a full height pass door.	Lever operated floor bolt with internal lever handle fitted in place of drop bolts – not operable from outside. Fitted with motor interlock. Floor Shoe – 10mm thick profiled shoe mounted to threshold to automatically engage the leading edge of door leaves. For added security and strength
Finish	Option 2 - External sheets and all external hinges and seal trim to be Polyester Powder Coated to any RAL colour, internal sheets and hardware / trims as Option 1 above. Option 3 - Both sheets and all hinges, hardware and seal trim to be Polyester Powder Coated to any RAL colour. Option 4 - Both sheets in galvanised steel sheet. Hinges, hardware and trims as Option 1 above. Option 5 - Special finishes available, ie non-stock colour Dobel 200XT Plastisol or Colorcoat PVDF, Celestia or Prisma. – please contact us for further details.	
Wicket Door	Standard lever furniture - outward opening and finished to match the door. Fitted with Briton 5520 mortice sashlock, Ami low-profile anodised aluminium lever handles, external Europrofile cylinder, internal thumbturn, 1½ pairs stainless steel hinges and hidden overhead door limiting stay. Emergency escape furniture - outward opening and finished to match the door. Fitted with internal Briton 379 panic bar and external override cylinder, 1½ pairs stainless steel hinges and hidden overhead door limiting stay. Dorma hidden overhead door closer is available in lieu of the door limiting stay.	
Vision Panels	Acrylic - Double-glazed impact resistant acrylic vision windows in a hard black plastic 'Easi-fit' security frame. Sized 680mm by 390mm with square corners. Security - Double-glazed toughened glass vision windows, fully weather sealed in black aluminium frame. Sized 680mm by 500mm with 60mm radiused corners.	
Frame	Door must be fixed to a suitable steel frame - not included as standard. Rear Mounted Frame - 125 x 75 x 8 steel angle goalpost frame for fixing to the back of a brick or block wall opening. Painted in 100µDFT Leighs Epigrip C400 zinc phosphate primer and 75µDFT Leighs Resistex C137 acrylic urethane semi gloss to match the door leaves. Supplied with suitable anchor fixings. Between Wall Frame - 200 x 100 x 10 steel angle goalpost frame for fixing between brick or block wall opening. Painted in 100µDFT Leighs Epigrip C400 zinc phosphate primer and 75µDFT Leighs Resistex C137 acrylic urethane semi gloss to match the door leaves. Supplied with anchor bolt fixings. Special Frame - specially fabricated door frames can be designed and manufactured to suit almost any opening.	
Installation	Internally opening leaves recommended.	Internally opening leaves recommended.
Optional Control & Safety Equipment for Swift Power Operated Doors		
Safety Equipment	Safety Edges - a full height optical safety edge, c/w fail safety is set within the leading edge seal of the door. Will automatically stop and re-open the door on collision with an object or person during the closing cycle. Reflective Photocell - a Sunx photocell unit is fitted at one jamb, which emits a beam across the opening to a reflective plate. If the beam is broken during or prior to closing, the door will re-open or remain open. Thru-beam Photocell - a FAAC Safebeam is fitted across the opening, which emits a beam across the opening from transmitter to receiver. If the beam is broken during or prior to closing, the door will re-open or remain open.	
Control Equipment	Push Button Operation 2. Single push Run to open, single push Run to close. Push Button Operation 3. Single push Run to open, automatic timed close. Captive Stop button to hold door open. Extra Push Buttons Units - one unit included as standard. Low Level Manual Release - in the event of power failure the motor can be disengaged instantly using a lever with built in pull handle to open the door. Each door half can be opened in a single swift action. Keyswitch - Lockable On/Off Keyswitch for internal or external use. Digi-key - 4096 combination keypad for internal or external use. Radio Control - Open or close the door remotely from a vehicle or control room. FAAC Plug-in radio receiver supplied with 1 single channel transmitter. Multi channel transmitter available. Inductive Loops - automatically opens door on sensing a vehicle or metal object directly above the loop. Plug-in loop detector card supplied with 30m of induction loop cable per side of opening.	

Configuration	Pad Dwg.	Man	Elec	Max Width (mm)	Max Height (mm)	Subject to Max. Door Area (m ²)
TWO	SWT20M-5001 or SWT20P-5008	√	√	2350	6000	12
TWO + TWO	SWT22M-5003 or SWT22P-5009	√	√	4750	6000	24
				Maximum Width (mm) for Odd Leaf Configurations		
				Upto 3000mm high	Up to 4000mm high	Up to 4800mm high
THREE	SWT30M-5004	√	X	2850	2700	2550
TWO + ONE	SWT21M-5002	√	X	3450	2700	2550
THREE + ONE	SWT31M-5005	√	X	3800	3600	3400
THREE + TWO	SWT32M-5006	√	X	4800	4500	4250
THREE + THREE	SWT33M-5007	√	X	5700	5400	5100
		SWIFT DOOR SIZE CONFIGURATION CHART				

Note (1) - We recommend that any door panel, which is exposed to significant direct sunlight, should be finished in a light colour. The insulation properties of the panel are so good that, if dark colours are used, the surface temperature of the panel can become unbearably hot, and the panel surface may ripple slightly, or taller panels may temporarily bow, until the temperature falls. This does not however affect the structural integrity of the door. For further advice on colour selection please consult us.

Note (2) – Wind pressure capacities are based on panel strengths derived from physical tests carried out in the factory. Calculations given are for standard panel construction with 0.65mm skins, without cutouts for windows, and with each panel supported at all four corners. Greater wind pressures can be withstood using thicker door skins, and with additional panel reinforcement. For further advice on wind pressures please consult us.