

Automated Systems
for Swing-leaf Gates
Low Voltage

RESIDENTIAL
CONDOMINIUM

S800H ENC

FAAC

In-ground hydraulic operator

maximum leaf width

13-16 ft

maximum leaf weight

1760 lb



- Hybrid technology
- Integrated high resolution encoder for precise control of the operator position
- 100 ° and 180 ° opening angle versions
- Opening/Closing mechanical stops integrated
- Easy handling and installation thanks to the integrated handles
- Maximum safety thanks to the E024U control board reverse on contact feature
- Built in battery backup to ensure operation in case of power outage
- SBW version for use in areas subject to strong winds
- Compliant with UL325 for Class I,II,III and IV applications

TECHNICAL SPECIFICATIONS

Model	S800H ENC CBAC	S800H ENC SBW
Input Voltage	24 Vdc	
Power	60 W	
Max. torque	442 lbf.ft (600 Nm)	
Max. angle speed	8.2°/s	
Max opening angle	113° (S800H 100°) - 187° (S800H 180°)	
Max Leaf width	13 ft (4 m)	16 ft (4.9 m)
Max Leaf weight	1760 lb (800kg)	
Operating ambient temperature	-4°F - 131°F (-20 °C to +55 °C)	
Use frequency	continuous	
Operator weight	29 lb S800H 100° (13.2Kg) - 37 lb S800H 180° (17.0 kg)	
Protection class	IP 67	
Hydraulic locks	included	not included

NOTE

- Mounting dimensions, wind factor and gate design will affect performance specification
- Use frequency is measured at an ambient temperature of 72 °F (20 °C) . Temperature variation will affect it.
- An electric or magnetic lock is recommended for any gate longer than 12 ft (3.6 m).

S800H

Model	Opening angle	Shipping Wt (approx)	Part No.
S800H CBAC Single Kit	100°	110 lb (50 Kg)	108710.5
	180°	120 lb (54 Kg)	108712.5
S800H CBAC Secondary Kit	100°	100 lb (45 Kg)	108710151.5
	180°	110 lb (49 Kg)	108712151.5
S800H CBAC Single Kit Stainless Steel	100°	110 lb (50 Kg)	108710.5SS
	180°	120 lb (54 Kg)	108712.5SS
S800H CBAC Secondary Kit Stainless Steel	100°	100 lb (45 Kg)	108710151.5SS
	180°	110 lb (49 Kg)	108712151.5SS
S800H SBW Single Kit	100°	110 lb (50 Kg)	108714.5
	180°	120 lb (54 Kg)	108715.5
S800H SBW Secondary Kit	100°	100 lb (45 Kg)	108714151.5
	180°	110 lb (49 Kg)	108715151.5
S800H SBW Single Kit Stainless Steel	100°	110 lb (50 Kg)	108714.5SS
	180°	120 lb (54 Kg)	108715.5SS
S800H SBW Slave Kit Stainless Steel	100°	100 lb (45 Kg)	108714151.5SS
	180°	110 lb (49 Kg)	108715151.5SS
S800H ENC CBAC with hydraulic manual release, splined shaft collar and mounting bolts	100°	35 lb (16 Kg)	10871015.5
	180°	44 lb (20 Kg)	10871215.5
S800H ENC SBW with hydraulic manual release, splined shaft collar and mounting bolts	100°	35 lb (16 Kg)	10871415.5
	180°	44 lb (20 Kg)	10871515.5
S800H ENC CBAC Operator Only with locks	100°	29 lb (13 Kg)	108720
	180°	37 lb (17 Kg)	108722
S800H ENC SBW Operator Only without locks	100°	29 lb (13 Kg)	108724
	180°	37 lb (17 Kg)	108725

The package S800H - Single Kit contains:

Qty	Description	Part Number
1	Operator S800H ENC	Various
1	Hydraulic manual release	390035
1	Splined shaft collar with mounting bolts	390972
1	Support Box	Various
1	E024U Enclosure Kit	3350.1
2	Batteries 12V 8 Ah	3540
1	Receiver 433 RC Plug In	787856
2	4-channel transmitter XT4 433 RC	787453
1	Pair of XP30 Photobeams	785105
2	XP30 adapters for conduit connection	401064

NOTE: For a bi-parting application add a secondary Kit.

The package S800H - Secondary Kit contains:

Qty	Description	Part Number
1	Operator S800H ENC	Various
1	Hydraulic manual release	390035
1	Splined shaft collar with mounting bolts	390972
1	Support Box	Various
1	Junction Box for electrical connections	3366.1
1	AWG 12 - 2 conductors cable (operator) 40 ft *	2197
1	AWG 22 - 2 conductors cable (encoder) 40 ft *	2193

(*) The AWG 12 cable can be used for connections of up to 50' of length between the operator and the control board.

E024U 24V Control Board

TECHNICAL SPECIFICATIONS

Input Voltage	115 VAC (+10% -6%)
Input power	400 W max - 4W stand by
Motor output current max	7 A
Accessory Power	24 Vdc - 500 mA
Operating Temperature	-4°F - 131°F (-20°C - +55°C)
Dimensions	17.5 x 15.5 x 6.2 in (445x393x157mm)
Weight (without batteries)	15.5 Lbs (7 kg)
Protection class	NEMA type 3, 3R, 4, 4X, 12 and 13
Operating logics	Semiautomatic (E); Automatic (A); Security (S); Semiautomatic step by step (EP); Automatic step by step (AP); Security step by step (SP); Manned pulsed (B); Manned constant

- UL325 and UL991 safety standard compliant
- Powerful and efficient switching Power Supply
- Easy Programming with trimmers and dip switches
- One pushbutton automatic time learning
- Self resetting fuses
- Built in battery backup
- Low current idle mode to preserve battery
- Opening and closing delays selectable for overlapping gates
- Speed and force adjustable with trimmers
- Control Board firmware upgradable via USB
- Solar Powered option