

In-ground hydraulic operator

maximum leaf width

13-18 ft

maximum leaf weight

1760 lb



- Hybrid technology
- Integrated encoder to control 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 CBAC	S800H SBW
Input voltage		24 Vdc
Power		60 W
Current		7 A
Max. torque		442 lbf.ft (600 Nm)
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 Single Kit Stainless Steel	100°	110 lb (50 Kg)	108710.5SS
	180°	120 lb (54 Kg)	108712.5SS
S800H SBW Single Kit	100°	110 lb (50 Kg)	108714.5
	180°	120 lb (54 Kg)	108715.5
S800H SBW Single Kit Stainless Steel	100°	110 lb (50 Kg)	108714.5SS
	180°	120 lb (54 Kg)	108715.5SS
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 - Basic Single Kit contains:

Qty	Description	Part Number
1	Operator S800H with accessories	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	787741
2	4-channel transmitter XT4 433 RC	787453
1	Pair of photobeams	785163

To make a master/slave (bi-parting) kit add these parts

Qty	Description	Version	Opening angle	Part Number
1	Operator S800H with hydraulic manual release, splined shaft collar and mounting bolts	CBAC	100°	10871015.5
			180°	10871215.5
		SBW	100°	10871415.5
1	Support Box	Regular	180°	10871515.5
			Stainless Steel	490112
tdb	AWG 12 - 2 conductors cable (operator) *			490113
tdb	AWG 22 - 2 conductors cable (encoder)			2197
				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



- 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

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