



C850 - C851

230V Gearmotor

NEW**Max. leaf weight**

1,800 Kg

Max speed

20 ÷ 42 m/min

Use frequency

100%



- Ideal for special applications where fast operation is required and a continuous service (100%).
- Irreversibility guaranteed by integrated electric brake on the powerful geared motor 1.1KW.
- Speed programming via integrated frequency inverter **on the E850S control board**.



DIMENSIONS AND TECHNICAL SPECIFICATIONS

Model	C850	C851
Power supply voltage	220-240V~ 50/60 Hz	220-240V~ 50/60 Hz
Motor	1 KW three phase with four poles	1 KW three phase with four poles
Type of gearmotor	Worm screw with oil lubrication	Worm screw with oil lubrication
Max. power	1,800 W	1,800 W
Max. torque	168 Nm (*)	168 Nm (*)
Max expressed force	3.000 N (*)	3.000 N (*)
Max. leaf width	20 m	20 m
Leaf speed	20 ÷ 42 m/min	20 ÷ 40 m/min
Speed adjustment and motor control	Via inverter	On control board
Limit switch	4 integrated mechanics	integrated mechanics + magnetic
Pinion	Z28 module 4	Z28 module 4
Operating ambient temperature	-20°C ÷ +55°C	-20°C ÷ +55°C
Thermal protection	155°C	75°C
Protection class	IP54	IP54
Weight	49 Kg	40 Kg
Dimensions (LxDxH)	510 x 295 x 467 mm	510 x 295 x 467 mm
Max. leaf weight	1,800 Kg	1,800 Kg
Use frequency	100%	100% (T=25 °C)
Electronic equipment	E850 incorporated	E850S incorporated

(*) data referred to 230V~ 50Hz.

FAMILY MODELS

Model	Item code
C850*	109819
C851**	109903

(*) Available while stocks last.

(**) Available from March 2017.

PACKS

C850 includes: a gearmotor designed for on-rack application with pinion Z28, with E850 electronic control unit, inverters and limit switches incorporated.
C851 includes: a gearmotor designed for rack assembly with pinion Z28, with E850S electronic device equipped with on-board inverter and built-in magnetic and mechanical limit switches.

Typical Installation Examples page. 339

ELECTRONIC CONTROL UNITS



Built-in E850 control board
Info at page 157

63002935



Built-in E850S control board
From March 2017
Info at page 158

63003207

ACCESSORIES



C850-C851 Foundation plate

737850



OMRON Inverter Remote Keypad C850 †

404036

RACKS



Galvanised rack 30x12 mod. 4 including weld-on fittings (4 pcs pack, 1 m each)

490122

NOTE

- ◆ This accessory enables easy programming of the inverter, as well as offering a diagnostics function. The keypad is equipped with a connector cable. For C850 model only.

OTHER ACCESSORIES

Key operated buttons
page 178

Safety devices
page 190

Transmitters and receivers
page 170

Photocells and columns
page 186

Flashing lights
page 197

Various accessories
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