



FULLING FL85BL

85mm frameless BLDC motor

FL85BL13
85mm 440W motor



- 48v DC
- 1.44 and 2 Nm torque
- 440 and 732 W power
- 27.5 and 35 mm height
- 2950 and 3500 rpm



PRODUCT DESCRIPTION

Frameless motor for assembly into machine builds.

Keeps physical size down to a minimum and power density high.

3 phase winding

TECHNICAL DATA

Ambient temperature	od -20°C do +50°C
Front size	85 mm
Inductance	0,28 mH
Insulation class	B
Insulation resistance	100 MΩ
Length	27,5 mm
Max current	35,5 A
Max. torque	4,66 Nm
Nominal speed	2950 rpm
Nominal torque	1,44 Nm
Number of phases	3

Number of poles	20
Power	440 W
Resistance	0,25 Ω
Returning voltage EMK	8,9 Vrms/krmp
Supplier	Fulling
Supply voltage	48 V DC
Torque constant	0,15 Nm/A
Weight	0,42 kg

