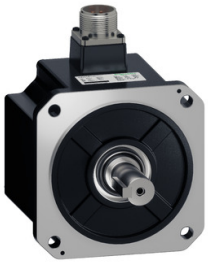
Product datasheet

Specifications



Servo motor BEH18, Lexium 18, 850W, 220V, M130, 17bit, MAG MT, brake

BEH18MM0813MF6C

Main

Range	Lexium 18
Range compatibility	Easy Lexium 18
Device short name	BEH18
Product or component type	Servo motor

Complementary

Maximum mechanical speed	3000.0 rpm
[Us] rated supply voltage	220 V
Network number of phases	Single phase
Continuous stall current	6 A
Continuous stall torque	5.39 N.m, 220 V
Continuous power	850 W
Peak stall torque	16.17 N.m, 220 V
Nominal output power	850 W, 220 V
Nominal torque	5.39 N.m, 220 V
Nominal speed	1500 rpm, 220 V, single phase
Maximum current Irms	at 0.85 kW, 220 V
Maximum permanent current	18 A
Product compatibility	Motion servo drive motion servo motors motor at 0.85 kW, 220 V
Shaft end	Parallel key
Shaft diameter	22.0 mm
Shaft length	58.0 mm
Feedback type	17 bits magnetic multi turn encoder
Speed feedback resolution	131072 points/turn
Holding brake	With
Holding torque	16 N.m
Mounting support	Asian standard flange
Motor flange size	130 mm
Electrical connection	2 connectors male/female
Torque constant	0.898 N.m/A at 40 °C
Back emf constant	62.73 V/krpm at 40 °C

Number of motor poles	10
Rotor inertia	14.56 kg.cm²
Maximum radial force Fr	686 N
Maximum axial force Fa	196 N
Length	167.6 mm
Number of mounting holes	4
Circle diameter of the mounting holes	9 mm
Width	167.6 mm
Height	130 mm
Depth	174.5 mm
Net weight	7.6 kg
Network number of phases	3
Encoder type	Magnetic encoder

Environment

IP degree of protection	IP67
Ambient air temperature for operation	0…40 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	20 cm
Package 1 Width	29.9 cm
Package 1 Length	39.8 cm
Package 1 Weight	9.4 kg
Unit Type of Package 2	P06
Number of Units in Package 2	16
Package 2 Height	95 cm
Package 2 Width	60 cm
Package 2 Length	80 cm
Package 2 Weight	156.4 kg

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**7 850 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**56 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**1 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**1 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**7 777 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**14 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**No**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

End of life manual availability	End of Life Information
Take-back	**No**

Image of product / Alternate images

Alternative