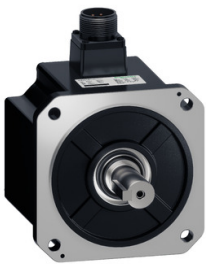


Product datasheet

Specifications



Servo motor BEH18, Lexium 18,
1.8kW, 380V, M130, 17bit, MAG
MT, brake

BEH18MM1813MF6D

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	380 V
Network number of phases	Three phase
Continuous stall current	7.03 A
Continuous stall torque	11.5 N.m, 380 V, three phase
Continuous power	1800 W
Peak stall torque	34.5 N.m, 380 V, three phase
Nominal output power	1800 W, 380 V, three phase
Nominal torque	11.5 N.m, 380 V, three phase
Nominal speed	1500 rpm, 380 V, three phase
Maximum current Irms	21.09 A at 1.8 kW, 380 V
Maximum permanent current	21.09 A
Product compatibility	Motion servo drive motion servo motors motor at 1.8 kW, 380 V, three phase
Shaft end	Parallel key
Second shaft	Without second shaft end
Shaft diameter	22.0 mm
Shaft length	58.0 mm
Key width	8.0 mm
Feedback type	17 bits magnetic multi turn encoder
Speed feedback resolution	131072 points/turn
Holding brake	With
Holding torque	16.0 N.m
Mounting support	Asian standard flange
Motor flange size	130 mm
Electrical connection	2 connectors male/female

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Torque constant	1.636 N.m/A at 40 °C
Back emf constant	110.11 V/krpm at 40 °C
Number of motor poles	10
Rotor inertia	25.72 kg.cm ²
Maximum radial force Fr	686 N
Maximum axial force Fa	196 N
Type of cooling	Air-cooled
Length	199.6 mm
Number of mounting holes	4
Circle diameter of the mounting holes	9 mm
Width	199.6 mm
Height	130 mm
Depth	174.5 mm
Product weight	10.4 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	39.8 cm
Package 1 Width	29.9 cm
Package 1 Length	20 cm
Package 1 Weight	12.2 kg
Unit Type of Package 2	P06
Number of Units in Package 2	16
Package 2 Height	80 cm
Package 2 Width	60 cm
Package 2 Length	95 cm
Package 2 Weight	201.2 kg

Contractual warranty

Warranty (in months)	18
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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	18 399 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	76 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	18 299 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	19 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
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

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