

HC-SFS702BK

Industrial automation components

Manufacturer	Mitsubishi
Catalog number	hc-sfs702bk
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	6.58 kgs
Rated Output	7 kW
Rated Speed	2000 rpm
Maximum Speed	2300 rpm
Rated Torque	33.4 N·m
Maximum Torque	100 N·m
Encoder Resolution	131,072 pulses per revolution pulses/rev
Protection Rating	IP65
Compatible Amplifiers	MR-J2S-700A, MR-J2S-700B, MR-J2S-700CP, MR-J2S-700CL
Dimensions	176 mm x 176 mm x 371 mm
Weight	32 kg

Description

The Mitsubishi HC-SFS702BK is a high-performance servo motor from the MELSERVO HC series, designed for precision control in industrial automation applications. This model delivers a continuous rated output of 7 kW, with a rated speed of 2000 rpm and a maximum permissible speed of 2300 rpm. It offers a rated torque of 33.4 N·m and a maximum torque of 100 N·m, ensuring reliable performance in demanding environments. The motor features a 17-bit absolute encoder, providing a resolution of 131,072 pulses per revolution for precise position feedback. Its robust construction includes an IP65 rating, offering protection against dust and water ingress, making it suitable for various industrial settings. The HC-SFS702BK is compatible with Mitsubishi's MR-J2S-700 series servo amplifiers, facilitating seamless integration into existing systems. With its integrated brake and key, this servo motor ensures enhanced operational control and safety during machine startup and shutdown sequences. Its compact dimensions (176 mm x 176 mm x 371 mm) and weight of approximately 32 kg allow for flexible installation options in space-constrained environments. This servo motor is ideal for applications requiring high torque and speed precision, such as CNC machine tools, industrial robotics, and automated assembly systems.