1PH6157-4NF46-Z-2CW6-366-8

Industrial automation components

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Manufacturer	Siemens
Catalog number	1ph6157-4nf46-z-2cw6-366-8
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1PH6157-4NF46-Z + 2CW6 366-8
Product Type	AC Main Spindle Motor
Rated Voltage	600 V DC link
Power Output	37 kW
Rated Speed	1500 RPM
Continuous Torque	236 Nm
Ventilation Type	Separate Ventilation
Encoder Type	Incremental Optical Encoder
Protection Rating	IP54
Frame Size	IM B35

Description

The Siemens 1PH6157-4NF46-Z + 2CW6 366-8 is a high-performance AC main spindle motor designed for precision applications in industrial automation. Manufactured by Siemens, this motor is part of the 1PH6 series, known for its reliability and efficiency in demanding environments.

The motor operates at a rated voltage of 600 V DC link, delivering a power output of 37 kW and a rated speed of 1500 RPM, making it suitable for high-speed machining and precision tasks. It provides a continuous torque of 236 Nm, ensuring consistent performance during operation.

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The motor features separate ventilation, enhancing cooling efficiency and extending operational lifespan. An incremental optical encoder is included, facilitating precise position feedback for closed-loop control systems.

With an IP54 protection rating, the motor is safeguarded against dust and water ingress, ensuring durability in various industrial settings. The terminal box and signal connector are designed for easy integration into existing systems, streamlining installation and maintenance processes.

The motor's construction adheres to the IM B35 frame size, ensuring compatibility with standard mounting configurations. This motor is ideal for applications requiring high torque and speed stability, such as CNC machinery, precision lathes, and other automated equipment.