1LA9096-2KA10-Z

Industrial automation components

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Manufacturer	Siemens
Catalog number	1la9096-2ka10-z
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	1LA9096-2KA10-Z
Product Type	Three-phase induction motor
Rated Power	2.2 kW
Speed at 50Hz	2,890 rpm
Frame Size	90L
Protection Class	IP55
Voltage	400Y/230D 50Hz, 460Y 60Hz V
Efficiency Class	IE2
Mounting Type	Foot-mounted (IM B3)
Shaft Diameter	24 mm
Shaft Length	50 mm

Description

The Siemens 1LA9096-2KA10-Z is a three-phase induction motor designed for industrial applications requiring reliable and efficient performance. Manufactured by Siemens, this motor offers a rated power output of 2.2 kW and operates at a nominal speed of 2,890 rpm, suitable for various machinery and equipment.

It features a two-pole design, ensuring a synchronous speed of 3,000 rpm at 50 Hz. The motor is housed in an aluminum frame size 90L, providing durability and efficient heat dissipation. With an

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IP55 protection class, it offers robust resistance against dust and water ingress, making it suitable for demanding environments.

The motor operates at a rated voltage of 400Y/230D 50Hz and 460Y 60Hz, accommodating different industrial power systems. Its efficiency class is IE2, indicating high energy efficiency, which contributes to reduced operational costs.

The motor's insulation class is F, ensuring reliable operation under varying temperature conditions. Designed for foot-mounted installation (IM B3), it offers versatility in mounting configurations. The shaft diameter is 24 mm, with a shaft length of 50 mm, and it includes a keyway with a width of 8 mm and length of 40 mm, facilitating secure coupling with driven equipment.

This motor is ideal for applications in pumps, fans, compressors, and general machine building, where consistent performance and energy efficiency are essential.