MOTORWISE®

It is estimated that (AC) electric motors consume greater than 70% of the total energy used in industries. These motors are inherently efficient when fully loaded but are very inefficient and wasteful when intermittently or partially loaded. Many motors used in industrial applications are operated under these intermittent or partial loaded conditions. Consequently, these motors are wasting energy and are placing an unnecessary burden on power infrastructures.

MOTORWISE® products are designed for voltages ranging from 110VAC single-phase motors to 480VAC three-phase motor applications, providing the consumer an option to select the unit ideally suitable for their needs.

MOTORWISE® is an AC motor controller used to manage and optimize the power delivered to electric motors. MOTORWISE® units identify partial and intermittent loading conditions and reduce the motor's voltage to an optimal level. This eliminates waste in the form of heat, noise, and vibration while maintaining proper operation. A variety of models are available to best suit specific needs.

MOTORWISE® units include a soft-start feature that allows a motor to go from rest to full speed in a controlled and managed fashion. This feature reduces mechanical stresses on the motor and any attached equipment. The soft-start feature also reduces the high demand penalty cost charged by utility companies.

The MOTORWISE® product line can be applied to almost any application where AC electric motors are used, ranging from sewing machines used in the garment industry to oil well pump jacks and everything else in between.

THE TECHNOWISE GROUP™ is a world leader in the design, development and marketing of state-of-the-art energy conservation solutions using proprietary patented technologies.

THE TECHNOWISE GROUP™, headquartered in Boca Raton, FL, USA, has invested significant funding and more than six years of research, development and testing in its products and technologies.

www.technowisegroup.com • contactus@technowisegroup.com
4855 Technology Way, Suite 550, Boca Raton, FL 33431, USA

THE TECHNO WISE GROUP®

RESPONSIBILITY
SUSTAINABILITY • INNOVATION

MOTORWISE®

Benefits

- Improves motor efficiency
- Reduces energy consumption
- Improves motor power factor
- Reduces demand charges
- Reduces system wear and tear
- Reduces operating and maintenance costs
- Eligible for CERs (Certified Emission Reduction) Carbon Credits and other World Bank subsidies

Features

- Energy Savings
- Wall or Pole Mounted Design
- Patented Technology
- Indoor/Outdoor Use
- Provides Soft-Start Capability

Applications

- Oil Wells
- Industrial Motors
- Mining Operations
- Crushers
- Saws and Cutting Tools
- Injection Molding
- Material Handling Conveyors
- Belt and Gear-Driven Machinery
- Elevators and Moving Walkways

MOTORWISE







	MOTORWISE® 03/1	MOTORWISE® 05/3	MOTORWISE® 15/3	MOTORWISE® 30/3	MOTORWISE® 50/3	MOTORWISE® 60/3	MOTORWISE® 100/3
Horse Power Range	FHP: 2HP Max-110V FHP: 3HP Max-220V	0,50 - 5 HP Max	5 - 15 HP Max	15 - 30 HP Max	15 - 50 HP Max	30 - 60 HP Max	60 - 100 HP Max
Operating Voltage	110V, 220V	208V, 240V	230V, 510V	230V, 510V	230V	440V, 510V	440V, 510V
Phase	Single-Phase	Three-Phase	Three-Phase	Three-Phase	Three-Phase	Three-Phase	Three-Phase
Maximum (Continuous) Current	110V, 220V, 30A -	208V, 240V, 15A -	230V, 40A 480V, 19A	230V, 77A 480V, 40A	230V, 124A -	- 480V, 77A	- 480V, 124A
Operating Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Generation Compliant	No	No	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-40ºC to +50ºC	-40ºC to +50ºC	-40ºC to +50ºC	-40ºC to +50ºC	-40ºC to +50ºC	-40ºC to +50ºC	-40ºC to +50ºC
Storage Temperature	-50ºC to +60ºC	-50ºC to +60ºC	-50ºC to +60ºC	-50ºC to +60ºC	-50ºC to +60ºC	-50ºC to +60ºC	-50ºC to +60ºC
Design Dimensions (HxWx D)	34x11x6 (cm)	46x11x6 (cm)	46x32x16 (cm)	66x34x21 (cm)	66x34x21 (cm)	66x34x21 (cm)	66x34x21 (cm)

MOTORWISE® is ETL approved and conforms to UL 508

Developing GREEN technologies for a better planet™

WORLDWIDE PATENTED TECHNOLOGY

9311-0003 RevB

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