

Single Phase to Three Phase Inverter for Machine Tools

This single-phase inverter is designed for machine tools, providing digital display and control. The inverter converts single-phase AC power to three-phase AC power, enabling the operation of three-phase motors from a single-phase supply.



ADDITIONAL IMAGES



Overview

Variable Frequency Controller

The EIC-1 is a variable frequency controller designed for single 220V pumps, utilizing advanced inverter technology to enable automatic start and stop control. By regulating motor frequency based on output water rates, it maintains constant pressure at the user's side, leading to significant energy savings and optimized power consumption. It features comprehensive protective functions, including system leak detection, water shortage protection, and electrical safeguards against overvoltage and overcurrent.

Performance Metrics

Maximum Power

1.1 KW
Max Power

Maximum Current

8.5 A

Frequency Modulation

30HZ-60HZ

Pressure Control

Pressure Specifications

Parameter	Value
Starting Pressure	1.0-3.0 bar
Max Working Pressure	6 bar
Constant Pressure Adjustment	1.5-4.0 bar

Technical Specifications

Protection Rating

IP54

Input Voltage

220V Single-phase

Connection Thread

G1 1/4"

Environmental Conditions

Temperature Limits

- Max Environment Temperature: 55
- Max Working Temperature: 50

Safety Features

Integrated Protections

Water Shortage Protection, Overvoltage Protection, Undervoltage Protection, Over-current Protection, System Leak Detection