

General Purpose AC Drive



AC DRIVE II SOLAR DRIVE II ELEVATOR DRIVE II HMI II PLC

CTE Series

Economy drive

Introduction Of CTE Drive

CTE Series is Economy Drive are designed for small power and OEM application market. With the function of V/F control and PID function, multi-step speed, Dc braking and Modbus Communication and etc. the inverter has more advantages and less spaces for installation.

Advantages

1. V/F Control
2. Small Size and less spaces for installation.
3. Standard potentiometer.
4. Various Function Setting.
(Modbus communication, built-in PID, 16 Step multi-step speed control, multi-function I/O terminal,)
5. Various Protection.
(Overcurrent, overvoltage, short-circuit, Open-Circuit, Phase loss, etc.)



POWER RATING

1 phase input & 3 phase output 220V(+/-20%) 0.4KW~2.2KW
3 phase input & 3 phase output 380V(+/-20%) 0.4KW~2.2KW

Specification

Input & Output

Input Voltage	1AC 220V~240V(+/- 15%)
	3AC 380V~460V (+/- 15%)
Input Frequency	50HZ/60HZ +/-5%
Inverter Efficiency	≥96%
Output Voltage	0~INPUT VOLTAGE, DEVIATION <+-3%
Output Frequency	0-400Hz
Output Frequency Accuracy	±0.5% Of The Maximum Frequency Value

Control Characteristics

Control Mode	V/F Control
Frequency Accuracy	Digital Setting: Maximum Frequency × ± 0.01%
	Analog Setting: Maximum Frequency × ± 0.2%
Frequency Resolution	Digital Setting: 0.01Hz;
	Analog Setting: Maximum Frequency 0.05%
Starting Torque	150% Rated Torque At 0.5Hz
Torque Response	<20ms
Carrier Frequency	1.0~16.0kHz

Featured functions

PROTECTION LEVEL Ip20

I/O DELAY

FLEXIBLE PARAMETER

AVR FUNCTION

S CURVE ACC/DEC

TIMING CONTROL

SIMPLE PLC

TORQUE CONTROL

FORCED AIR COOLING

TEMPERATURE HUMIDITY -10 ~ +50°C

STORAGE TEMPERATURE -30 ~ +60°C

Application

Conveyors, Fans, Blowers, Chillers, Cooling Towers, Booster Pumps, Submersible Pumps For Sewage, Simple Material Handling Systems, Irrigation Systems, Packaging Machines, Printing, Etc.

CT10M Series

Heavy Duty drive

High Quality

The hardware design and components selection are more optimized and reasonable.

High Power Density

The structure design layout is more compact.

High Performance

The software upgrade is more compatible with the end user, industrial control is more flexible, accurate, and the performance is stronger, and it is more suitable for precision control occasions with higher requirements for torque, control accuracy, and response speed.

Optimize Products User Experience

Easy operation, maintainability, environmental protection, scalability and convenience of Internet of Things access.



POWER RATING

1 phase input & 3 phase output 220V(+20%) 0.4KW~2.2KW
3 phase input & 3 phase output 380V(+20%) 0.4KW~400KW

Vector Control

PID

Multi-step Freq.

ModBus

Over-voltage & Over-current stall control

Torque Boost

Wobble Frequency Control

Simple PLC

FDT

ETC...

Start Torque @0.5Hz

100%

Overload Capability

200%

Speed accuracy \pm

0.5%

Ambient Temp $^{\circ}\text{C}$

50

Speed Regulation

1:100

Multi-step speed max.

16

Application

Conveyors, Crushers, Metal cutting, Pumps, Compressors, Drilling rigs, Cranes, Hoists, Automated storage systems, Plastic industries, Packaging, etc.

CT30L Series

Open Loop Ac Elevator Drive

Inverter Key Features

- Simplified Parameter for Easy Start UP
- Comprehensive trip Diagnostics
- Automatic Torque Boost
- Slip Compensation
- Output Frequency 100Hz
- In-Built Dynamic Braking Unit
- Optimized For Open Loop Elevator Operation
- Supports Various Motor Types For Elevator



POWER RATING

3 phase input & 3 phase output 380V(+/-20%) 3.7KW~15KW

Safety and reliability

- RS485 Serial line
- UPS Applicable
- Emergency and Inspection speeds are supported
- Dedicated Control Sequence

Application Features

- Smooth ride Performance
- Integrated Brake Control
- Default Factory Setting user-friendly
- factory, Gets you Started Quickly
- 4-Independent S-Ramps
- Programmable DC-injection Braking
- High Efficiency with easy configuration
- Energy Efficient and Reliable

AC DRIVE II SOLAR DRIVE II ELEVATOR DRIVE II HMI II PLC

WEQUANT TECHNOLOGIES LLP.

227, Pushkar Industrial Estate, Phase I, Vatva GIDC, Ahmedabad, Gujarat 382445

E-mail: sales.thyra@gmail.com web: www.thyradrives.com

M.no: +91 95120 09895 | +91 82004 55784