

The logo for TECO features the word "TECO" in a bold, dark blue, sans-serif font. To the right of the text is a circular icon with a stylized, swirling pattern in shades of blue and orange, resembling a globe or a dynamic motion graphic. The background of the entire page is a light blue gradient with vertical lines, overlaid with several large, semi-transparent gears and colorful, overlapping circular bands in shades of orange, green, and yellow.

Expertise in Induction Motor,
Drive & Controller, Air Conditioner

04 ELECTRIC MOTORS

06 EXPLOSION-PROOF MOTORS

MENU

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09 DRIVES AND CONTROLLERS

10 AIR-CONDITIONERS AND AIR CURTAINS

COMPANY PROFILE

TECO Electric & Machinery Co. Ltd. started out in Taiwan in 1956 as an industrial motor manufacturer.

Over the years TECO has successfully become a leading Company in electrical and automation industry – diversified into a conglomerate with worldwide business operations. Its businesses has since evolved to comprise an extensive global network of R&D centres, manufacturing bases, sales and service offices. With an innovative product development technology and capabilities, abundant engineering and manufacturing resources, TECO provide the best products and services to satisfy customers' needs worldwide.

TECO Singapore itself was established in 1972. It has become a hub for manufacturing and distribution of electric motors for the entire South East Asia. It has since established its manufacturing facilities and sales offices in Thailand, Malaysia, Indonesia, Vietnam and India.

TECO is dedicated to design and manufacture products with "Quality First" commitment to meet international industrial standards, such as CNS, JIS, BS, IEC, NEMA, IEEE, CSA and UL. Our product line includes low, medium and high voltage (up to 13,800 volts) premium efficiency and high performance motors.

WHY CHOOSE TECO SINGAPORE

- Expertise in motors
- Excellent after sales service crew
- Largest stockist in Singapore
- On-site repair specialist
- Experience engineers for product and technical support
- Proficient in projects for various industries:
 - ◆ Construction and Building
 - ◆ Steel Mills, Refinery & Mining
 - ◆ Energy & Power Plant
 - ◆ Military & Marine
 - ◆ Water Treatment Equipment



TECO Electric Motor

Type of Motors Available

- Slip Ring Induction Motor
- DC Motor
- Definite Purpose Motor
- Servo Motor
- Inverter Duty Motor
- Smoke Spill Motor
- Crane Motor
- Brake Motor

AC Low Voltage Three-phase Motor

0.18kW ~ 930kW
Comply to IEC, NEMA, JEC, JIS, CNS, AS, GB



AC High Voltage Three-phase Motor

90kW ~ 5600kW
TEFC, TEAAC, TEWAC



High Trust Vertical Motor

2HP ~ 500HP
Comply to NEMA, IEC



Aluminium Motor

0.06kW ~ 22kW
Light-weight motor with various mounting types
Foot-Mount (B3), Flange Mount (B5 or V1)
Foot and Flange Mount (B3/B5)
PAD Mount (for Fan duty)



Geared Motor



AC Single Phase Motor



Eddy Current Motor



PREMIUM EFFICIENCY MOTOR

TECO TEFC Squirrel Cage Premium Efficiency motors are designed, manufactured and tested to meet the latest European and international standards. Their proven high quality construction is ideally suitable for all industrial markets.

International Design Standard

Teco motors are conforming to:
BS 3979, BS5000, AS1359, AS1360,
IEC 60034

International Efficiency Standard

Teco low voltage squirrel-cage motors are conforming to:
IE2, IE3, IE4, NEMA Premium,
NEMA Super Premium

Advantages

- Reduce Maintenance time and motor's downtime
- Save energy and money
- Longer life expectancy
- Lower heat output and less vibration
- Contribute in achieving Green Environment.

Explosion-Proof Motor



Canadian Standards Association (CSA) Certification

The Canadian Standards Association (CSA) is a non-profit association serving business, industry, government and consumers in Canada and the global marketplace. Among many other activities, CSA develops standards that enhance public safety. A Nationally Recognized Testing Laboratory, CSA is very familiar with U.S. requirements.



Underwriters Laboratories Certification

Underwriters Laboratories (UL) Certification

Underwriters Laboratories Inc. is an independent, non-profit organization that writes testing standards and tests products for safety and certifies them. UL has developed more than 800 standards for safety, and millions of products and their components are tested to UL's safety standards.



Chinese National Standard (CNS) Certification

The national standards of the Republic of China administering Taiwan, Pescadores, Quemoy and Matsu are titled the Chinese National Standards (CNS). They are administered by the Bureau of Standards, Metrology and Inspection of the Ministry of Economic Affairs.



ATEX/IECEX MOTOR



These series of motors are capable of withstanding pressure during an internal explosion so that such an explosion does not vent into the external atmosphere which could also be explosive.

They are also designed to prevent the occurrence of sparks, arcs, or hot spots in service, which avoids any further risk of explosion.

Hazardous Location

Zone 1 Ex de Group IIC, T3/T4
Zone 1 Ex d Group IIB, T3/T4

*NOTE

T3 for inverter application
T4 for sinusoidal power

Impressive Design Features

- Cast Iron frame
- Machined metal to metal surface between frame and terminal box
- Non-contact seal
- Reinforced set screws
- Tracking-proof isolating materials
- Class "F" insulation
- Degree of protection IP55
- Six lead terminal block

INVERTER

Compact Type



- FM50 (E2)**
- 220V, 0.25~3HP, 0.2~2.2kW
 - IP20 & IP65 (NEMA4) Enclosure
 - Built-in EMI Filter



- L510**
- 220V, 0.25~3HP, 0.2~2.2kW
 - EMI filter built in
 - Built in standard RS485 modbus communication
 - Global communication by gateway: Profibus, DeviceNet, Ethernet, CANopen

Standard Type



- CV**
- 220V Class:0.5~40HP, 0.4~30kW
 - 440V Class:1~75HP, 0.75~55kW
 - Sensorless Vector
 - PID function with sleep mode
 - Built-in PLC function
 - IP20 Enclosure



- E510**
- 200V Class:0.5~20HP, 0.4~15kW
 - 400V Class:1~25HP, 0.75~18.5kW
 - Soft PWM modulation function
 - Automatic carrier frequency control
 - Built in Modbus RTU/ASCII via RJ45 port
 - PLC and PID functions as standard
 - Supports Safe Torque Off (STO) and Fire Mode

Heavy Duty Type



- MA**
- 220V Class:0.5~40HP, 0.4~30kW
 - 440V Class:1~75HP, 0.75~55kW
 - Interactive LCD, used as Copy Unit
 - RS-485, Modbus, Profibus (option)
 - PG Built-in Interface
 - Dual Rating Overload Protection
 - Output Phase Loss Protection
 - Pulse Train command, +10V ~ -10V Analog commander



- A510**
- 200V Class:1~100HP, 0.75~75kW
 - 400V Class:1~500HP, 0.75~375kW
 - Six control modes integrated in one drive V/F, V/F+PG, SLV, SV, PMSV
 - Dual core processor with 32 bit MCU & ASIC
 - Four quadrant control, speed, torque and position control modes
 - Advanced Current Vector Control
 - Unique static and rotating auto-tuning technology
 - Built in Modbus RTU via RJ45 port
 - Soft PWM
 - PLC and PID functions as standard
 - Parameter lock function, prevents unauthorised access
 - Supports Safe Torque Off (STO) and Fire Mode

Booster Pump Type



- EVP**
- 220V Class:0.25~3HP, 0.2~2.2kW
 - 440V Class: 1~3HP, 0.75~2.2kW
 - Stable pressure



- CVP**
- 220V Class:0.5~40HP, 0.4~30kW
 - 440V Class:1~75HP, 0.75~55kW
 - Stable pressure
 - Energy saving
 - support up to 4 units ,master/ slave auto-switch
 - Pump parameter design

DRIVE & CONTROLLER

Servo Motor and Servo Drive

JSDA+

- 200V 100W~15kW
- Support 15bit Absolute and 17bit incremental Encoder
- Torque/Speed/Position/Internal mode (32-step) and mix mode
- Communication interface: RS-232/RS-485, Modbus built in



Direct On Line Motor Starter

- Voltage from 110V up to 690V
- CE/TUV Approved
- 2NO+2NC auxiliary
- Compact and space saving design
- Wide range of accessories
- Easy coil access

PLC



TP03

- Max expansion 256 digital I/O points
- 70 analog points (use expansion power source)
- Pulse output (100kpps * 2 points)
- Open network (Modbus slave, Profibus slave, Devicenet slave, TCP/IP)

MV Product



MV Soft starter

- 2.3KV~15KV, 200A~600A, 800~15000HP, 500~11000KW
- Line isolation vacuum contactor
- Fully rated bypass contactor for increased thermal capacity and optional across-the-line motor
- RTD Option accepts up to 12 RTD inputs

Other Products Available

- Star-Delta Starter
- Autotransformer Starter
- Low-Voltage Softstarter
- Contactors

AIR-CONDITIONING AND CHILLER UNITS



Water-Cooled Packaged-Type Air Conditioners
10 ~ 140kW
(3 ~ 40RT)



Commercial Air-cooled Split-Type Air Conditioners
8 ~ 65.2kW
(2.5 ~ 20RT)



Water-Cooled Chiller Units
17 ~ 1,760kW
(5 ~ 500RT)



Air Handling Units
1,200 ~ 38,000 CFM
(3 ~ 150RT)



Fan Coil Units
300 ~ 1,600CFM
(0.75 ~ 4RT)

Other Products Available

Multi Variable Refrigerant Flows Air Conditioners
8.7 ~ 29kW
(3 ~ 10RT)

Computer Room Air Conditioners
10 ~ 105kW
(3 ~ 30RT)

Flooded Chiller Units
176 ~ 1,760kW
(50 ~ 500RT)

Centrifugal Liquid Chiller Units
1047 ~ 4186kW
(300 ~ 1200SRT)



Air-Cooled Chiller Units
10 ~ 708kW
(3 ~ 240RT)



Commercial Dehumidifiers
9 ~ 16 L/HR
(Dehumidify Capacity)



Air Curtains
2.5 ~ 4.0M
(Effective Distance)



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