TECO

Product Overview

About TECO

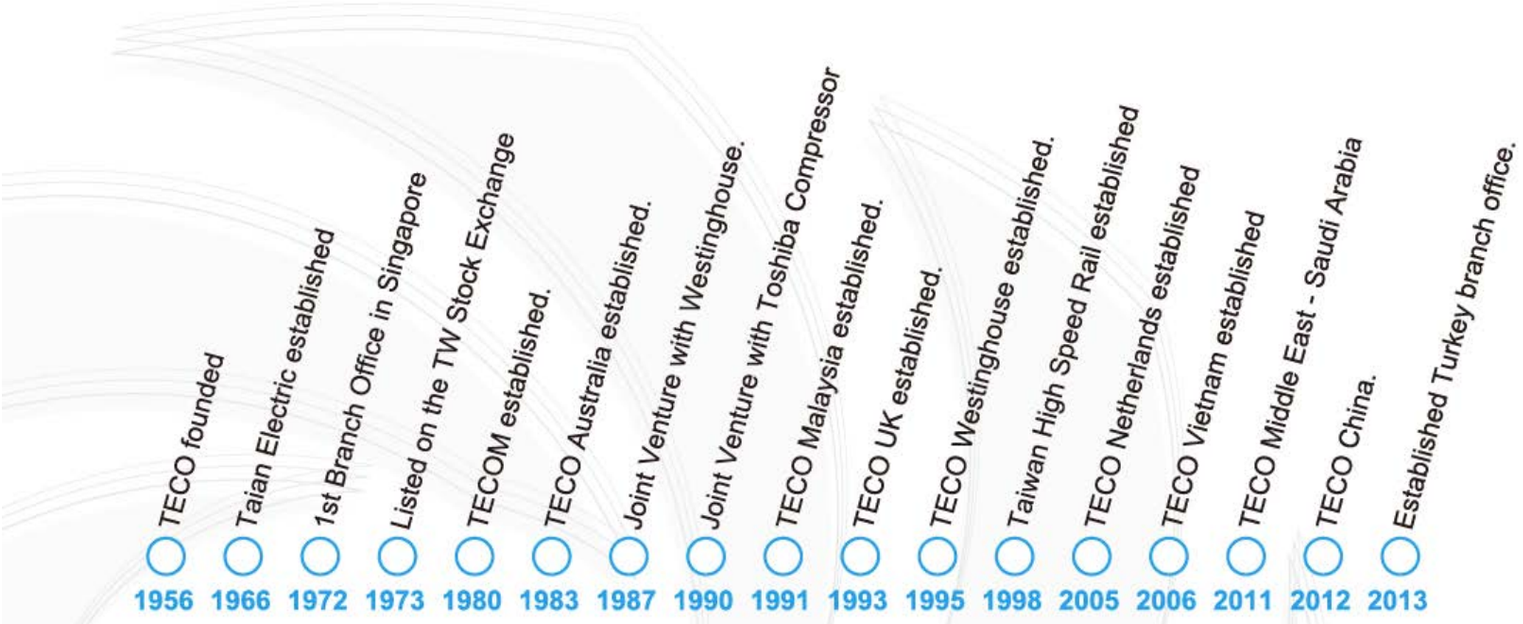
TECO General

TECO Group is a global industrial conglomerate, started 1956 in Taiwan as an electric motor manufacturer, now operates in 45 countries in all major industrial markets. The annual turnover in 2013 was $1.9B USD, with approximately 20,000 employees worldwide. More than 50% of the turnover was generated by the Electric Motor business. TECO is listed in the stock exchange in Taipei, TAIWAN. Detailed financial data can be downloaded from the TECO website http://www.teco.com.tw/en_version, under "Investor Relations".

TECO is mainly focused on
– Sustainable development with new competitive advantages
– Enhancing service quality
– Development and education of experienced employees
– Creating outstanding products

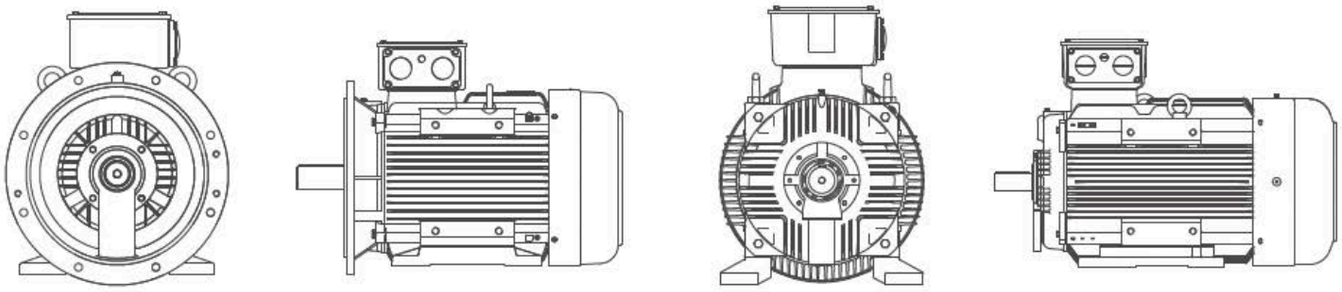
TECO has
– Significant Experience in the Motor Industry
– Experienced Engineering and Manufacturing Staff
– State of the art factories in the most important manufacturing markets
– State of the art Testing Facilities for the full power and voltage range of its motors

TECO History



LVED

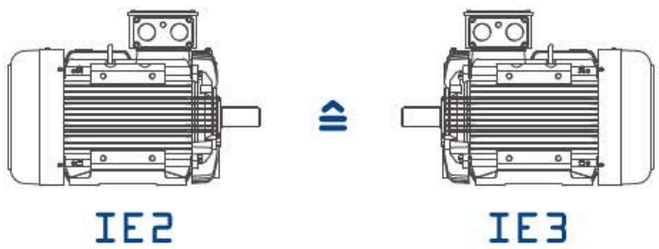
TECO's LVED motors are designed to meet European IE2 and IE3 Legislation.



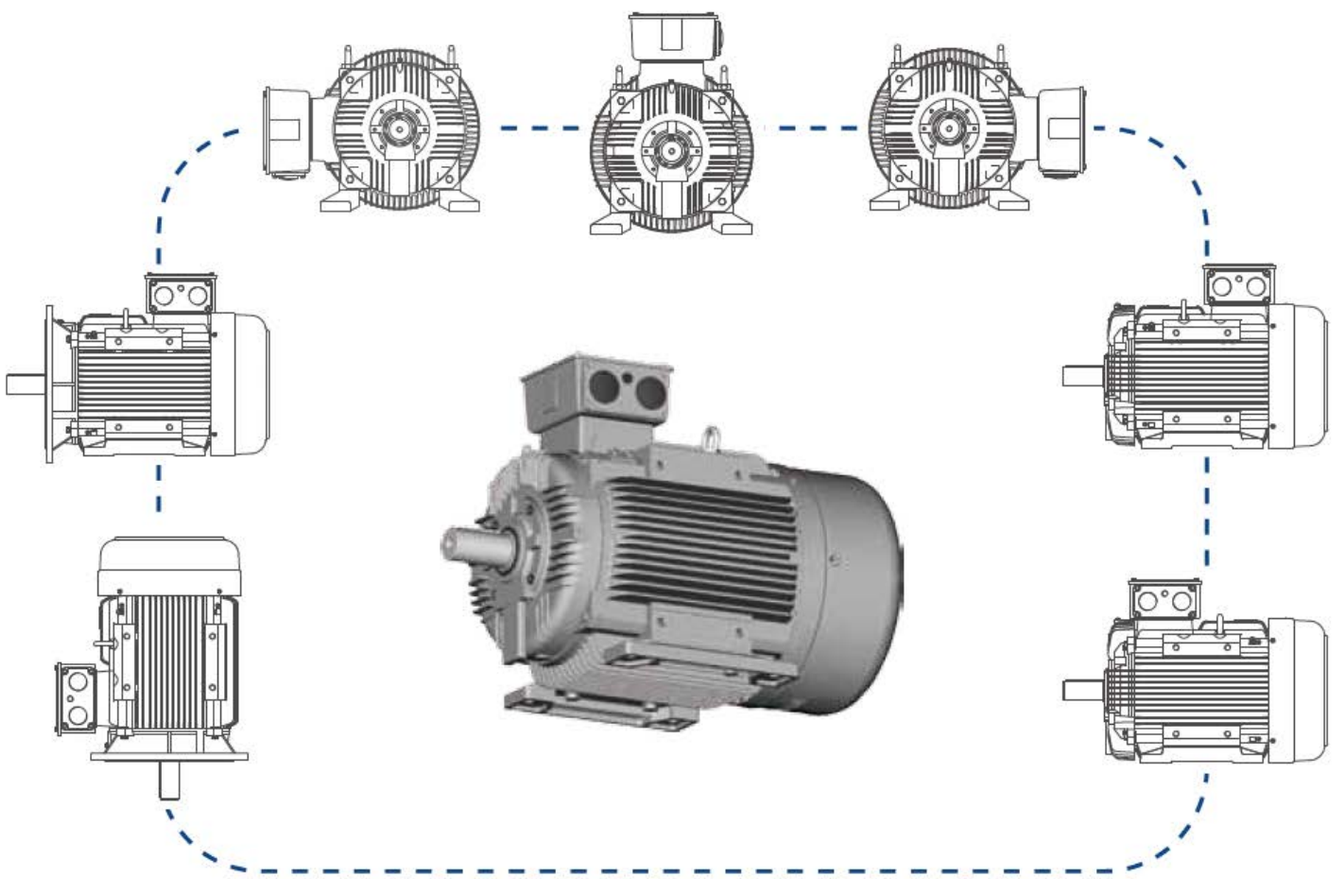
Standard SPEC	Optional SPEC
• Squirrel-Cage Induction Motors (SCIM) • IEC Standard • Efficiency: Cast Iron motors: IE2 & IE3 Aluminum motors: IE2 • Material: Cast iron and Aluminum • Voltage: 230/400V & 400/690V • Frequency: 50Hz & 60Hz • Output: 0.18~315kW • RPM: 3000~800RPM (2-8 Poles) • Duty: Continuous S1, S.F. 1.0 • Frame: 63M~315D • Protection: Totally Enclosed (IP55)	• Three Feet Fixing options NDF version: Non Detachable Feet SDF version: Standard detachable Feet. The feet could be detached if required ADF version: Advanced Detachable Feet. The housing is machined to be able to move the feet in 3*90° position • Special Windings • Options for Cable gland • B5 and B14 flanges
• Cooling: Self External Fan, Surface Cooling (IC411) • Mounting: Feet version, flange version and combinations • Thermistors fitted as standard in all frames • Terminal Lead: 6 winding leads • T-Box: On Top left or right hand side • Cable entry: two for Power supply and one for auxiliary • Rotation: Bi-Directional • Starting: Full Voltage Direct On Line or Y-Δ • Bearing: DE and NDE are ball bearing • Insulation: Class F • Color: Pebble Grey (Ral 7032) • Spring lip seals fitted as standard	• Additional auxiliary T-box from F160 • Uni-directional fan for acoustic noise reduction • Forced Ventilation • Roller bearing available for cast iron from F180 • Different color or paint thickness on request

Unique Feature

- **IE2 and IE3 in the same frame size**
  All TECO LVED IE2 and IE3 motors are in interchangeable allowing customers to replace old IE2 motors with the latest IE3 efficiency motors.



- **Multi-mount modular design**
  TECO LVED motor housing is designed to allow for a large variety of mounting arrangements.The rotor is central in the stator allowing the terminal box position to be either at the front or to the rear of the motor. The feet can be fitted in three positions to move the terminal box position.



LVED

Aluminium Motors 63 to 160 frame

Key Features

- Multi mount
  All Feet fixings are pre-drilled and taped
  All feet are replaceable due to stator and feet being fully machined before assembly
- Metric High tensile (8.8) setscrews used (Not sellf tapers)
- Two external earth fixings that are moveable like the feet
- All motors have Thermistors as standard
- All thermistor connections terminated in a terminal block fixed in the terminal box
- Spring lip seals are standard on both drive end & none drive end
- B5 and B14 flanges are fitted with lip seals for use on wet gearboxes
- Moveable lifting lugs. After the motor feet have been moved the customer can move the two lifting points to match the new mounting safely
- Paint system is three coats with a total thickness of 60 Microns
- External Screws are all hexagon head high tensile 8.8 rated and Galvanised to protect against corrosion
- All Aluminum motor end shields have steel sleeves on the bearing mounting bores ensuring long reliable bearing life
- All motors have drive end bearings fixed to help improve pump efficiency
- Top Quality Bearings fitted From SKF, FAG, NSK or NTN
- IP56 modification to stock motors
- Available in 2, 4, 6 and 8 pole options with all standard flange mounting options