

TECO IE2 Flameproof (Exd/Exde) - TECO Electric Motors Australia and New Zealand

Canonical: <https://electricmotors.teco.com.au/product/eco-ie2-flameproof-exd-exde/>

Details:

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TECO IE2 Flameproof (Exd/Exde)

Superior Performance and Safety in Hazardous Environment, IEC Ex and ATEX, IP56 Protection
TECO IE2 Flameproof Electric Motor has been certified with IEC Ex and ATEX certifications, ensuring its compliance with safety standards. It offers two types of motor configurations: Ex d (Flameproof Motor and Terminal Box) and Ex de (Flameproof Motor with Increased Safety Terminal Box), suitable for installation in Zone 1 or Zone 2 areas.

The motors are designed to operate in challenging environments and have been rated for IIB or IIC hazardous classifications.

With a high level of motor efficiency and a wide range of available power outputs, ranging to 110kW these motors are versatile and reliable. Equipped with a Totally Enclosed Fan Cooled (IC411) design thereby ensuring effective heat dissipation and protection from external contaminants. The TECO motor type AEHBXZ exceeds the Minimum Efficiency Performance Standard set by IEC60034, further enhancing its energy efficiency. They operate on a 380-415 Volts 3-Phase 50 Hz power supply, with alternative options available upon request.

With a robust construction featuring cast iron materials and a side-mounted terminal box, TECO IE2 Flameproof motors are built to withstand demanding conditions.

They are designed for continuous operation duty type S1 and have a low noise level, ensuring a quieter working environment. They also feature IP55 protection, safeguarding against dust and water ingress.

To cater to specific design, TECO IE2 Flameproof motor is supplied painted R13 Red and are readily available. To ensure customer satisfaction, the motor comes with a 2-year warranty, providing support and coverage against manufacturing defects or performance issues.

Download Brochure CONTACT US Features Benefits Brochures Manuals IECEx Certificates Software Drawings & Datasheets

IEC Ex and ATEX Certified with certification available as :

Ex d (Flameproof Motor and Terminal Box) , Zone 1/Zone 2 , IIB , T4(T3*) , 50 deg C ambient

Ex de (Flameproof Motor with Increased Safety Terminal Box) , Zone 1/Zone 2 , IIC , T4 (T3*) , 50 deg C ambient

*T3 for converter supply (PWM Converter , Inverter) . Condition of safe use is mandatory connection of thermistors.

Metric frame motors to AS1359, AS/BS frame allocation

D80 to D280 frames

0.55 kW to 55 kW (Stock) or 110kW (Built to Order)

Totally Enclosed Fan Cooled (IC411)

Motor type AEHBXZ , meets or exceeds AS1359.5 Minimum

EfficiencyTeco-Ex-motor-Instruction-Manual Performance Standard, table B2 (a number of motors meet or exceed high efficiency to table B3)

380~415 Volts 3 Phase 50 Hz (other supplies on request)

Class F insulation system materials

Low temperature rise for substantial thermal reserve

Continuous rated, duty type S1

Low noise level

IP55 protection

Motors available painted R13 red (AS2700) off the shelf.

Cast Iron construction with side mounted terminal box

Mountings available – Foot, Foot and flange (D type only), Flange (D type only)

MAX Ex Brake Motors

2 year warranty

Ensures compliance with safety standards and regulations

Reliable motors designed for hazardous environments

Versatile options for different installation requirements

Can operate in challenging conditions with IIB or IIC group ratings

Offers a wide range of power outputs to meet various needs

Effective heat dissipation and protection for extended motor life

Energy-efficient motors that exceed minimum performance standards

Compatible with standard power supply or adaptable to specific requirements

Durable construction materials for long-lasting performance

Flexible mounting options to accommodate different setups

Suitable for continuous operation without overheating

Provides a quieter working environment for improved comfort

Protection against dust and water to ensure motor reliability

TECO MAX Exd – Exde Brochure

Teco-Ex-motor-Instruction-Manual

IECEx_BAS_08.0096X_008 (Frames 80 and 90)

IECEx_BAS_08.0097X_007 (Frames 100 and 112)

IECEx_BAS_08.0098X_007 (Frames 160 and 180)

IECEx_BAS_09.0045X_008 (Frames 200 and 225)

IECEx_BAS_09.0047X_009 (Frames 250 and 280)

IECEx_BAS_09.0067X_007 (Frame 132)

No software downloads.

kW Rating: Nothing selected 0.75 1.10 1.50 2.20 3.00 4.00 5.50 7.50 11.00 15.00 18.50 22.00 30.00 37.00 45.00 55.00 Voltage: Nothing selected 380 415 Phases: Nothing selected 3 No. of Poles: Nothing selected 2 4 6 Frame Size: Nothing selected Start typing a search query Clear filters Show 10 1 5 10 25 50 100 All entries kW Rating Voltage Phases No. of Poles Frame Size Datasheet PDF PDF Drawings CAD Drawings 3D Drawings Download All Enquire 655
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 Phases No. of Poles Frame Size

Features

IEC Ex and ATEX Certified with certification available as :

Ex d (Flameproof Motor and Terminal Box) , Zone 1/Zone 2 , IIB , T4(T3*) , 50 deg C ambient

Ex de (Flameproof Motor with Increased Safety Terminal Box) , Zone 1/Zone 2 , IIC , T4 (T3*) , 50 deg C ambient

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Continuous rated, duty type S1

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MAX Ex Brake Motors

2 year warranty

Benefits

Ensures compliance with safety standards and regulations

Reliable motors designed for hazardous environments

Versatile options for different installation requirements

Can operate in challenging conditions with IIB or IIC group ratings

Offers a wide range of power outputs to meet various needs

Effective heat dissipation and protection for extended motor life

Energy-efficient motors that exceed minimum performance standards

Compatible with standard power supply or adaptable to specific requirements

Durable construction materials for long-lasting performance

Flexible mounting options to accommodate different setups

Suitable for continuous operation without overheating

Provides a quieter working environment for improved comfort

Protection against dust and water to ensure motor reliability

Brochures

TECO MAX Exd – Exde Brochure

Manuals

Teco-Ex-motor-Instruction-Manual

IECEX Certificates

IECEEx_BAS_08.0096X_008 (Frames 80 and 90)
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IECEEx_BAS_09.0045X_008 (Frames 200 and 225)
IECEEx_BAS_09.0047X_009 (Frames 250 and 280)
IECEEx_BAS_09.0067X_007 (Frame 132)

Software

No software downloads.

Drawings & Datasheets

kW Rating: Voltage: Phases: No. of Poles: Frame Size: Clear filters
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