



Keeping Industry Turning

W Ex tc Zone 22

Dust Ignition Proof Motors



**BROOK
CROMPTON** 
Keeping Industry Turning



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Brook Crompton, the original innovator in electric motor development, is a leading provider of energy efficient electric motors. With over 110 years' technical & design expertise, UK-based Brook Crompton delivers consistently reliable electric motors to a global market.

Trusted to power limitless industrial activities across diverse market sectors, the robust design of Brook Crompton's electric motors drives fans, pumps, compressors, conveyors and more, every second, of every day, of every year.

Driven by technology and innovation, Brook Crompton has one of the widest available ranges of electric motors for operation in hazardous atmospheres and hostile environments.

Renowned for their adaptability, Brook Crompton's extensive motor stock can be modified to suit the needs of different market sectors, with technical support from the company's knowledgeable team readily available to ensure the correct selection of motors for any application. For bespoke situations and complete flexibility, Brook Crompton will design and manufacture to meet individual customer specifications.

Brook Crompton has a long-standing reputation for efficient customer service, supporting customers worldwide through its global network. Specialist Brook Crompton Motor Centres operate alongside approved product distributors throughout the UK, mainland Europe, Middle East, Canada, USA, and Asia Pacific.

Shaping the future of electric motors, Brook Crompton is focused on the development of new products that improve energy efficiency, offer lower cost of ownership throughout the motor lifetime and reduce environmental impact.

Brook Crompton, the original innovator in electric motors.

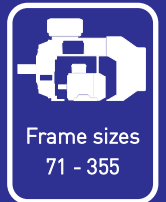
W Dust ignition proof (IEC & BS)

Low voltage - Zone 21 or Zone 22

Dust ignition proof Specification

Specification	Standard product	Option
Frame sizes	71 - 355	-
Enclosure	IP55	-
Mounting option	Foot (B3), Flange (B5), Face (B14) or Pad (B30)	IP56, IP65, IP66
	Foot & Flange (B35), Foot & Face (B34)	-
Terminal box position	Top, (80 frame right hand side)	Right hand side, left hand side
Voltage	3 kW and below: 230 / 400	-
	4 kW and above: 400 / 690	-
Frequency	50 Hz / 60Hz	-
Cooling	IC411	-
Insulation	class F	class H
Temperature rise	class B	class F

The above specification and options give a brief summary of features available for this range.



W Dust Ignition Proof range

The construction of Dust Ignition Proof motors is similar to standard TEFV motors but with special attention made to eliminate the production of arcs, sparks or dangerous surface temperatures. Air gap concentricity is rigidly inspected throughout manufacture. The structure of the motor is also impacted tested. All motors comply with the requirements of the relevant ATEX directive.

Special build options:

- Multi speed
- Special shaft / special flange dimensions
- Special paint
- Special voltage
- Low starting torque
- Roller bearing
- plus many more

Multi-Mount

By simply changing the position of the feet, the user is able to obtain right, left or top mounted terminal box positions and by removing the standard endshield you can change it for a flange or face version. On frame sizes 200 to 355 a flange ring can be fitted to give (B5) or (B35) mounting options, without removing the drive end endshield.



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