

Ex db Series Flameproof Motor Lineup

- TMEiC's Flameproof range of motors are built to withstand and contain any internal explosion without causing damage to surrounding equipment.
- Meeting the relevant requirements of IEC60079, TMEiC's Flameproof range of motors are certified for use with ALL gas groups IIA, IIB & IIC.
- The elimination of air purging simplifies plant design, process and reduces maintenance needs.
- Larger main terminal boxes facilitate easier cable manipulation and termination as standard.

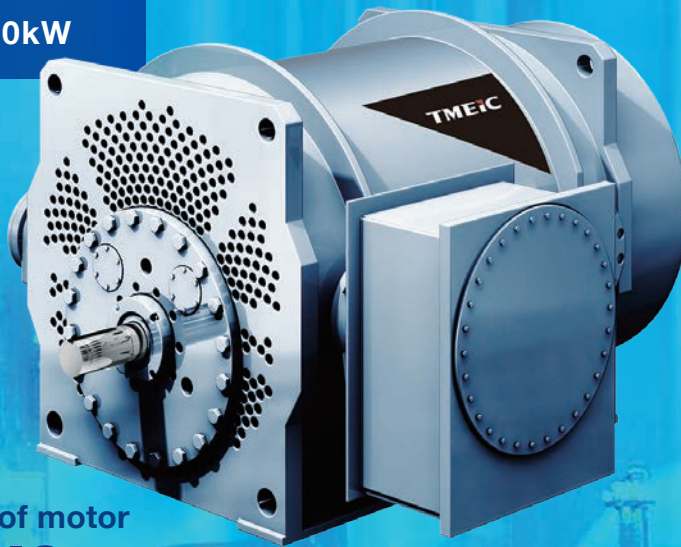
- Main Terminal box can be adjusted and rotated in 90° increments to facilitate cable termination to suit installation needs.
- TMEiC's Flameproof range of motors are suitable for both Variable Speed Drive (VSD) and Direct-On-Line (DOL) operations.

Output range

IC511 IC516	~2,000kW
IC411	~1,250kW

IC511

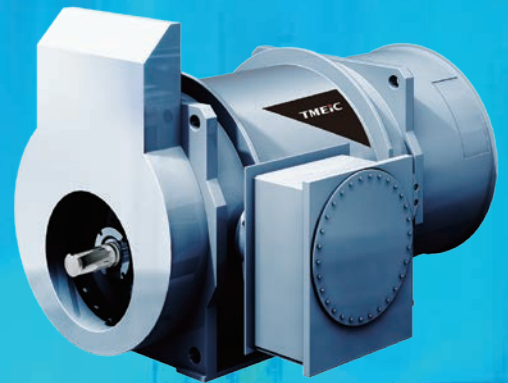
~2,000kW



Flameproof motor
Ex db IC511
Standard type

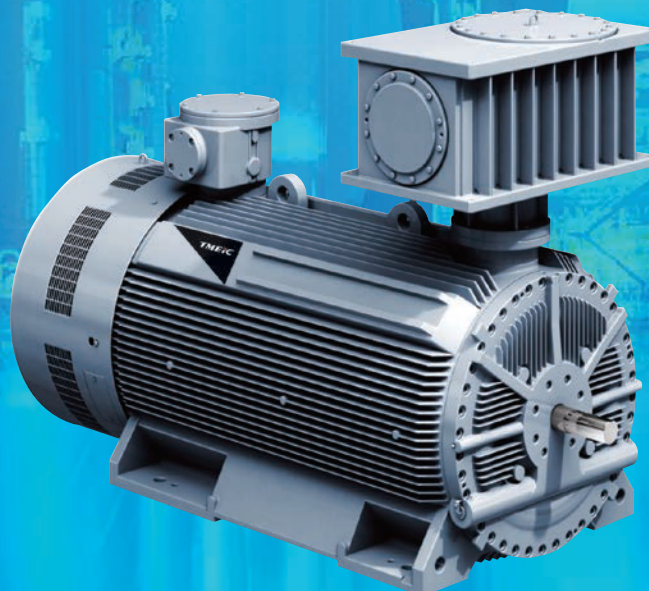
Ex db IC511

Silencer type
for low noise level requirement



IC411

~1,250kW



Flameproof motor
Ex db IC411
Standard type

TMEiC Ex db Series Flameproof Motor Lineup



Parameters	Details of Description	
Cooling Type	IC411	IC511, IC516
Output power	~ 1,250kW	~ 2,000kW
Motor voltage	400V / 690V / 2.3kV / 3kV / 4kV / 6kV	2.3kV / 3kV / 4kV / 6kV / 11kV / 13.8kV
Frame range	250 ~ 500	630
Poles	2 ~ 8P (10P ~)	
Frequency	Up to 60Hz, applicable for VFD	
Enclosure protection	IP55	
Insulation class	Class F	
Temp. rise	Class B	
Mounting	Horizontal (IMB3)	
Ambient temp.	-20 ~ 40°C (~ 55°C with derating)	
Altitude	<1000m	
Location	Indoor / Outdoor	
Bearings	Anti-friction	Anti-friction Sleeve (Self-cooled / Forced-cooled)
Standards	IEC 60079	
Explosion proof type	Ex db	
Area classification	Zone 1 and 2	
Gas group	IIA / IIB	IIA / IIB / IIC
Explosion proof type of terminal box	Ex db (Ex e as option)	

Combining the industrial production experience of parent companies Toshiba and Mitsubishi Electric, TMEiC products are developed and manufactured based on more than 200 years of expertise. Highly reliable products capable of withstanding harsh operating environments such as extreme temperatures and humidity, corrosive dust and more, they are applied widely in the chemical, oil and gas industries. Synonymous with the TMEiC name, our products continue to receive excellent evaluations from customers for their superior quality, durability, minimal maintenance and long service life.

Global Sales/Manufacturing/Service Network

With bases located around the world, regional TMEiC companies and TMEiC motor service shops provide reliable customer support whenever needed.

