



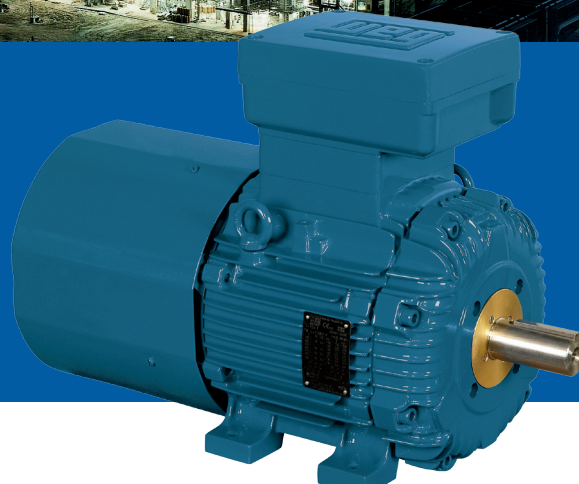
W21 Flameproof Brake Motors

The installation of electric motors where flammable products are continuously handled, processed or stored must comply with the most demanding safety standards in order to guarantee protection of people, machines and the environment. Following the highest safety standards, these WEG flameproof motors integrate high performance brakes which provide an effective solution for equipment requiring fast stopping for safety, control or accurate positioning in Zone 1 or Zone 2 hazardous areas.



Standard Features

- Output: 2.2 up to 18.5 kW
- Number of Poles: 2, 4, 6 and 8
- Frequency: 50 Hz
- Voltage: 380-415/660 V
- Frames: 132S to 160L
- Colour: RAL 5009 - Blue



Versions Available

- High Efficiency - IE2
- Standard Efficiency - IE1

Applications

Cranes, winches, conveyors and other severe duty applications in potentially explosive atmospheres classified as Zones 1 and 2, gas groups IIA or IIB.

| Features | Benefits |
|---|---|
| High performance braking system | Ensures fast and safe stopping and accurate load positioning, whilst requiring low maintenance |
| Manual brake release | Possibility to release the motor shaft during emergencies or power outages |
| Modern flame retention system with robust frame, endshields and T-box | Avoid flame propagation from within the motor to the external side, guaranteeing protection of life, machines and the environment |
| W3Seal® sealing system | Degree of protection up to IPW66 to protect against the ingress of contaminants inside the motor frame |
| Painting Plans for Severe Environments | Special painting plans up to C5/I or C5/M for arduous environments, sheltered or non-sheltered |
| Protection | Motor suitable to operate in hazardous locations classified as Zones 1 and 2 |
| WISE® insulation system | Increases stator electrical strength and allows the motor operation by frequency inverters, without damage by voltage peaks* |