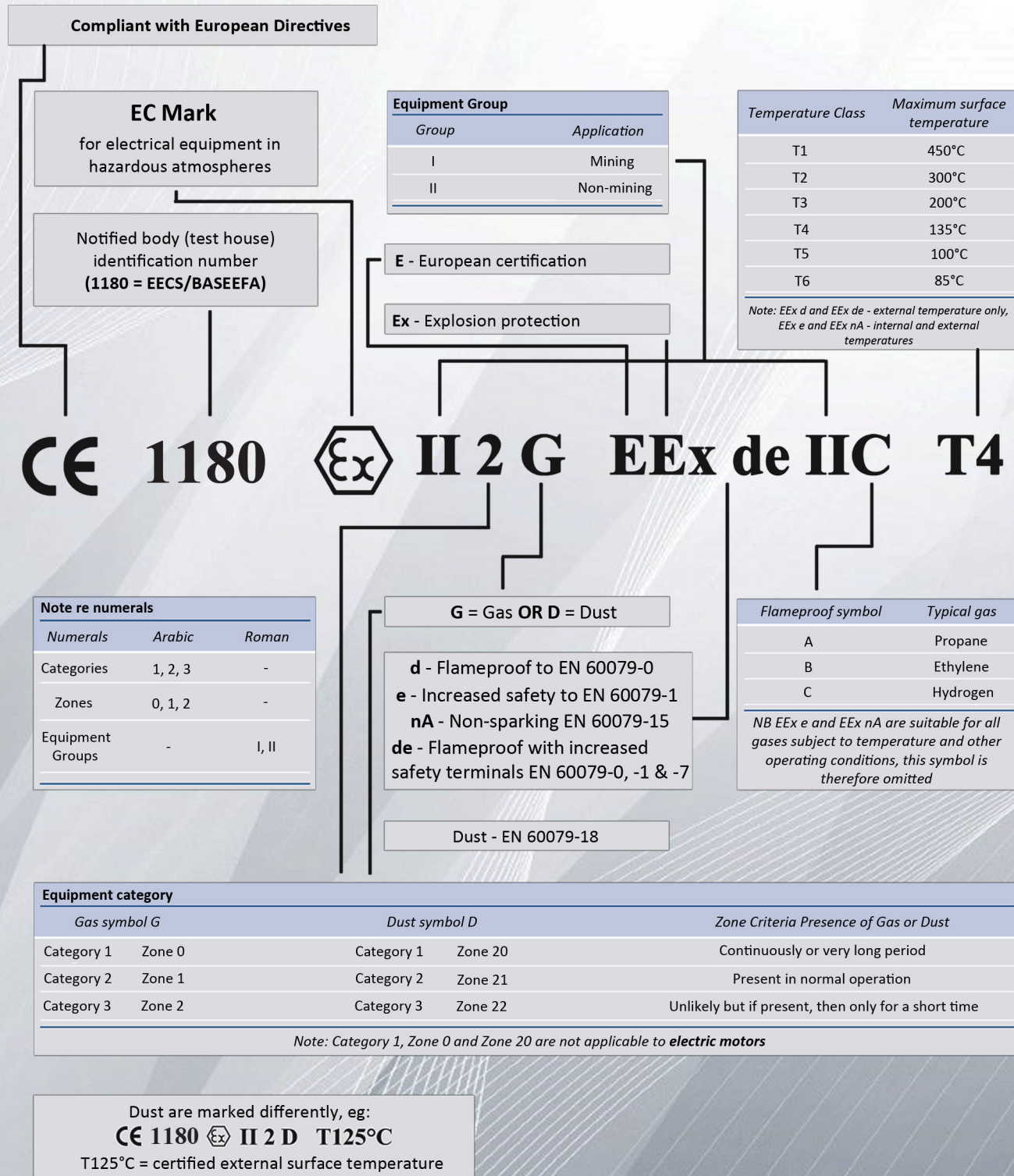


# Hazardous atmosphere motor marking



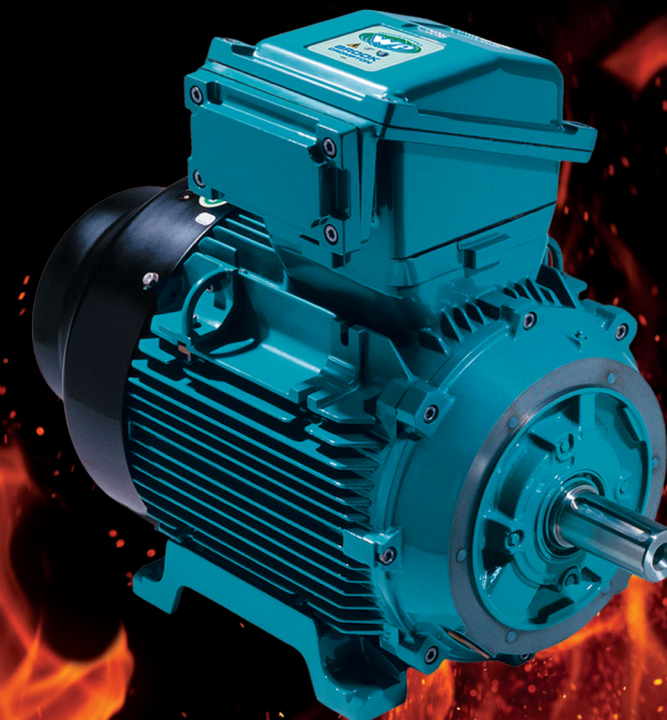
# BROOK CROMPTON

Keeping Industry Turning

## The ATEX/IEC Experts



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EExn Zone 2 Non-Sparking**



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## W EEx nA Motors Zone 2 Non-Sparking

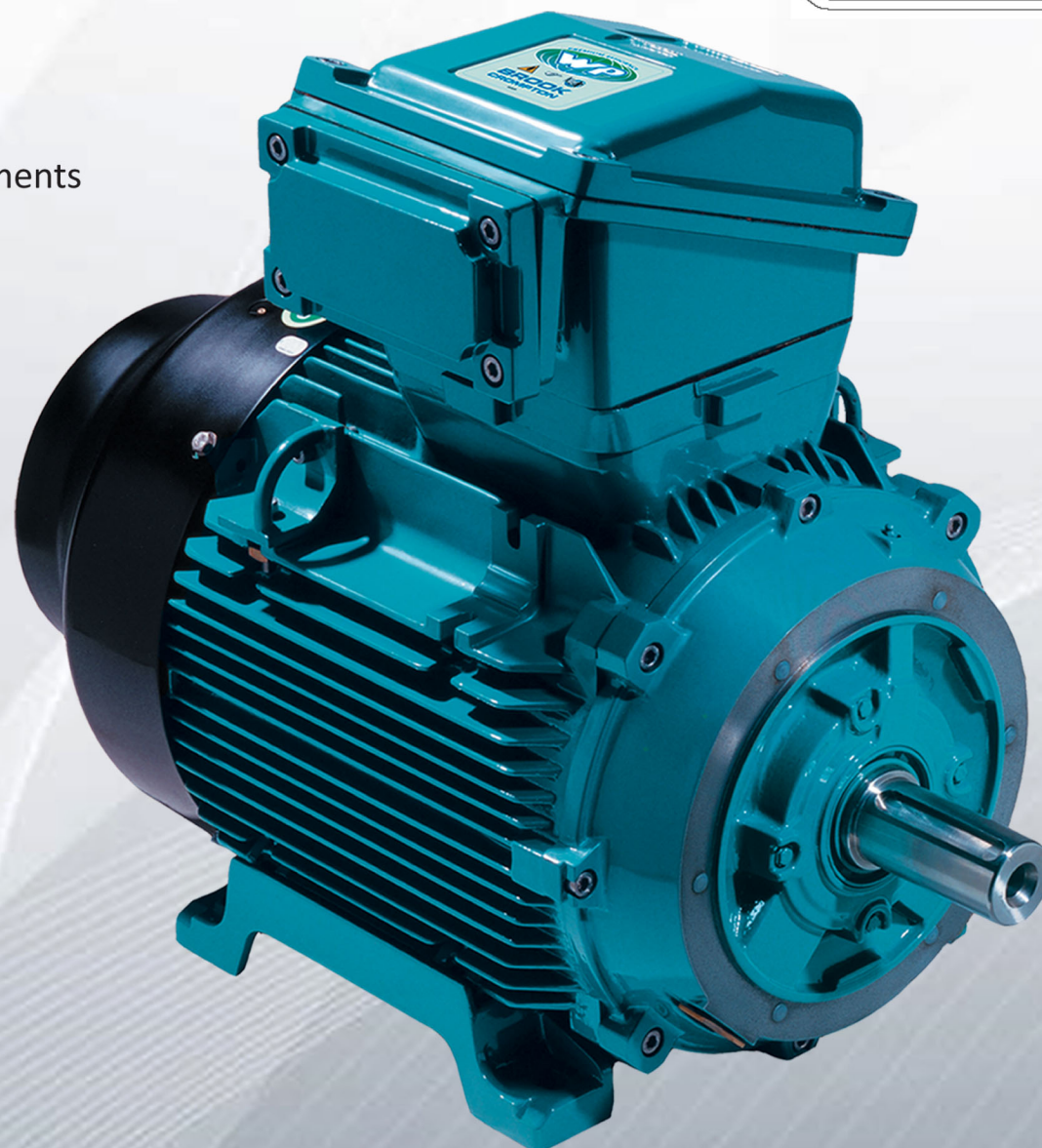
The construction of EEx nA motors is similar to standard TEFC motors, but with special attention to eliminate production of arcs, sparks or dangerous surface temperatures. Air gap concentricity is rigidly inspected throughout manufacture, and the structure of the motor is impact-tested. All motors comply with the requirements of the ATEX Directive (94/9/EC).



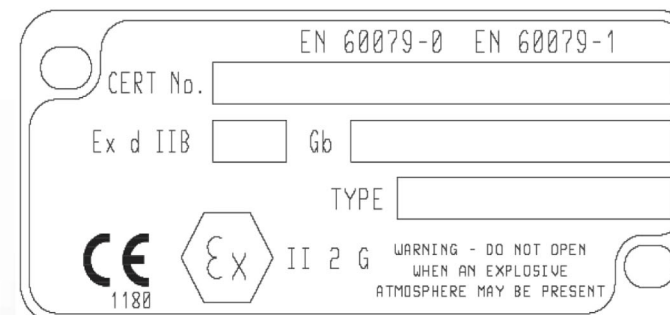
### Benefits include:

- EEx nA Zone 2 Non-Sparking for gas and dust environments
- 0.18 Kw – 400 Kw
- 80 – 355 frame sizes
- B14 face and B5 flange optional
- 2, 4, 6 and 8 Pole designs
- 380 – 690 Volt 50 Hz and 60 Hz
- Temperature code T3
- IP55 enclosed cast iron construction with DE and NDE shaft seals
- Terminal box top mounted. Field repositionable to left hand and right hand locations
- Terminal box rotatable in 90 degree increments
- High Efficiency design for low cost of ownership
- Low noise levels
- Cool running for long insulation and bearing life
- 3 year warranty

Motors are manufactured in factories that are licensed by a European notified body (eg EECS/BASEEFA, PTB), meeting rigorous quality controls.



## W EEx d/de Flameproof Motors Zone 1



### EEx d/de Motors:

These motors are designated Ex d flameproof and are designed for operation in Zone 1 hazardous areas. They comply with all relevant national and international standards. They are of a rugged cast iron construction, certified to withstand an internal explosion.

### Benefits include:

- EEx d - Flameproof
- EEx-de – Flameproof with increased safety terminals
- Equipment group I (mining) and II (non-mining)
- Gas or Dust environments
- 0.37 Kw – 200 Kw
- 90 – 315 frame sizes
- B14 face and B5 flange optional
- 2, 4, 6 and 8 Pole designs
- 380 – 690 Volt 50 Hz and 60 Hz
- Temperature code T4 for gas groups
- Cast iron construction
- Terminal box right hand mounted. Repositionable to left hand on 90 – 180 frames
- Terminal box top mounted. Field repositionable to right and left hand positions on 200 – 315 frames
- Terminal box rotatable in 90 degree increments
- High Efficiency design for low cost of ownership
- Low noise levels
- Cool running for long insulation and bearing life
- 3 year warranty
- Certified for use on inverter supply when fitted with thermistors