



Keeping Industry Turning

Your Solutions for the Oil & Gas industry

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## Safe Area & Ex certified motors

Brook Crompton offer a range of Safe Area and Ex certified motors from 0.09kW to 25MW available to the following specifications:

- Low voltage & High voltage up to 11kV
- Gas or Dust protection
- Zone 1 Ex db/eb
- Zone 2 Ex nA non sparking
- IIB or IIC enclosure classes
- Increased outputs
- Brake motors
- Variable speed compliant
- Certification: ATEX, PTB, IECEx, NEPSI, TestSafe, TR CU



Pump drives in a pipeline booster station Powered by a Schorch, Ex de IIB T4, 1450kW, 6kV, 2 pole motor

Brook Crompton explosion proof motors are used in many differing hazardous area applications within industry. Motors with flameproof enclosure, increased safety and pressurised apparatus are used for Zone 1 installations. Non-Sparking motors for Zone 2.

## Variable speed drive solutions

Brook Crompton can offer safe area and hazardous area drive packages (including control panels).

For variable speed drive operations on motor frame sizes above a 280 frame size, insulated NDE bearings can be fitted, in-line with GAMBICA guidelines.

Variable speed drives can give significant energy savings. For example by reducing the speed of a motor when used to drive a centrifugal fan / pump. A 10% speed reduction would result in a 30% reduction in energy.



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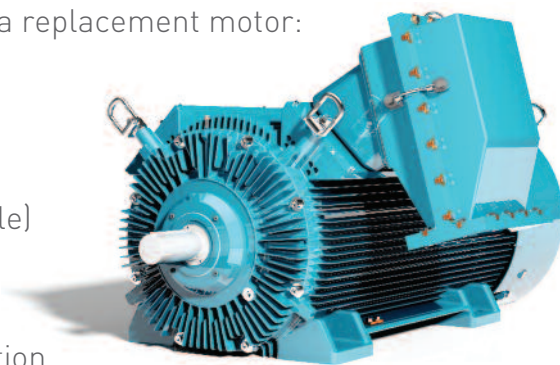
## Oil & Gas industry solutions

Brook Crompton can match existing motors both mechanically and electrically. This can provide a more cost effective solution, where fitting a standard electric motor could lead to expensive equipment modification or a reduction in performance.

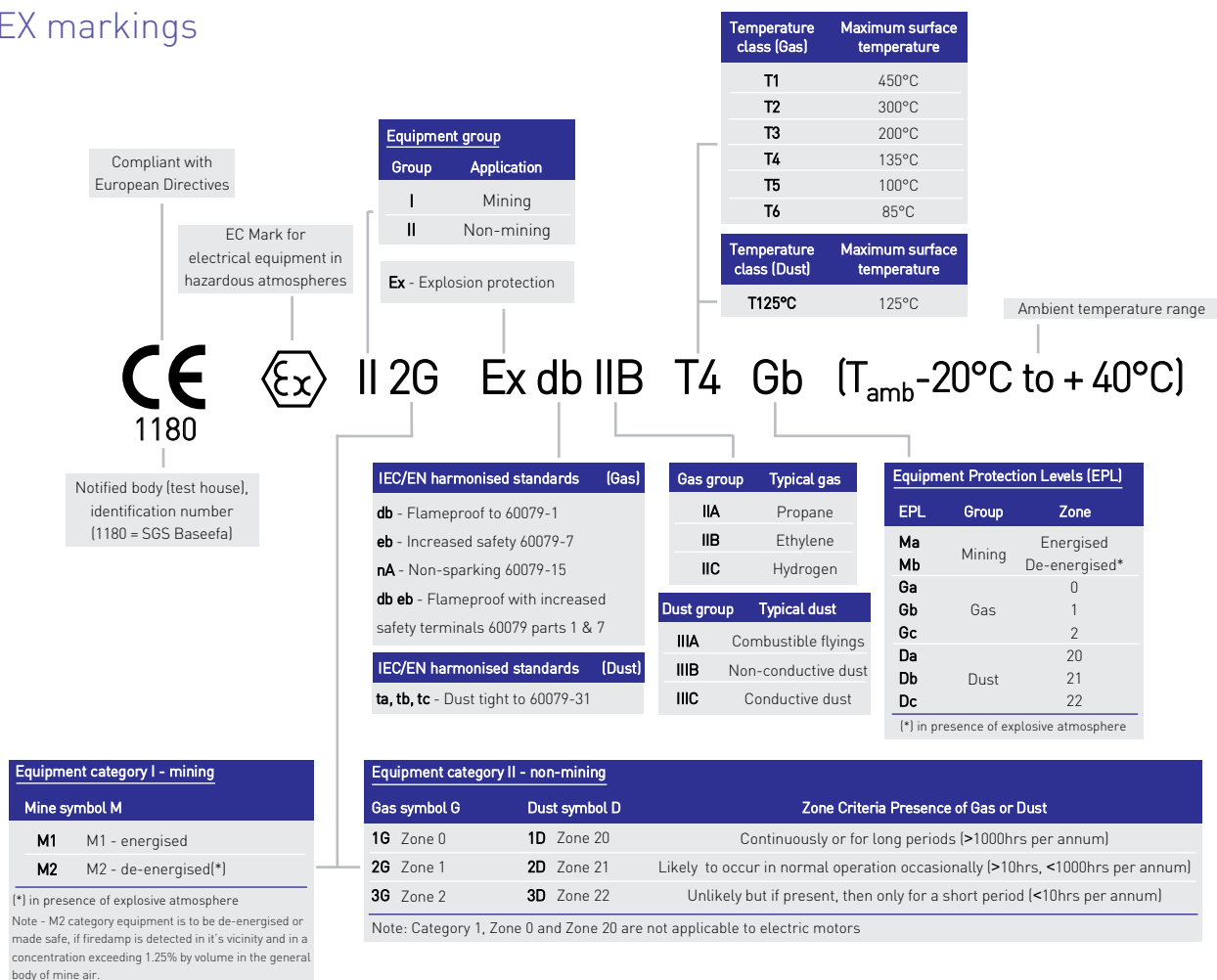
## One out - One in

The following points should be considered when looking for a replacement motor:

- Footprint and shaft dimensions
- Terminal box size and it's position
- Earth terminal size and it's position
- Stay within the original motors dimensions (where possible)
- Match the motor electrical performance
- Enhanced efficiency to latest IEC standards
- Meet or exceed the requirements of the current specification
- Provide auxiliary devices or special features
- Minimise switch over disruption and costs
- Stock modification



## Ex ATEX markings





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