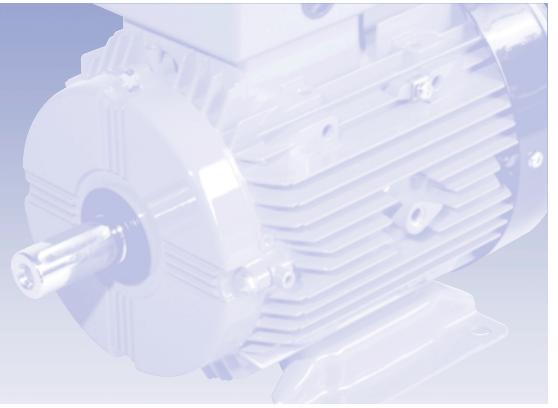


**Brook Crompton**



**Our products ... your choice**

**BROOK  
CROMPTON**

# Industrial motors - ac



## Standard range

- Frames 63 to 355, up to 400kW
- Aluminium and cast iron construction
- **EFF1** and **EFF2** alternative
- TEFV and drip proof
- Single and three phase
- Multi-speed option
- CSA approved NEMA and EEMAC
- Higher efficiency
- Inverter-fed motors
- Marine motors



## Brake motor

- Motor frames 63 up to 355
- DC brakes on frames 63 to 355
- AC brakes on frames 63 to 160
- Fast reaction 'forced voltage' option
- Control card available for inverter duty
- Fast reaction dc switching option



## NEMA motors

Manufactured to meet the requirements of North American and other NEMA-based markets and meeting the efficiency levels required by the Canadian Standards Association (CSA) and EPAAct.



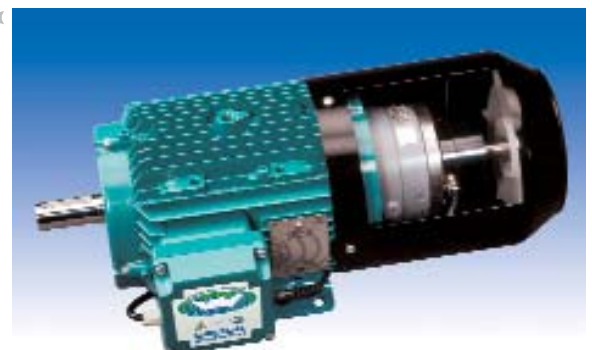
## Drip proof motors

Generally smaller and lighter than TEFV motors of the same output, drip proof motors are a cost effective solution for indoor situations in any part of the world.



## Hazardous area motors

- Available for zones 1, 2, 21 and 22
- Frames 71 to 355, up to 400kW
- EEx d IIB T4, optional T5
- EEx de IIC T4, optional T5
- EEx e II T3, optional T4
- EEx nA II T3, optional T4
- Dust 125°C
- CSA approved NEMA and EEMAC
- EEx d certified for use with inverters
- EEx de brake motors





▼  
**Customised motors**

Examples include a water cooled motor which fits into a vacuum pump and a special motor frame which forms an integrated part of a textile winding machine.



▼  
**Axial airgap motors**

With its current range of outputs from 100W up to 2.2kW, and with an overall length of between 80 and 90mm, this motor fits where no others will. Applications include fans, floor cleaners, pumps and compressors.



▼  
**Plug-in motors**

These motors provide a simple, quick and effective electrical connection method for installing, maintaining, replacing or cleaning of equipment.



**'Fumex' smoke extraction motors**

- Frame sizes 63 up to 355
- 2 designs available:
  - i)* continuous running with emergency duty
  - ii)* emergency duty only
- Number of poles - 2 to 16
- For use on axial flow or bifurcated fans
- Frequency 50 and 60Hz
- Eurovoltage - 400V  $\pm$ 10%
- Enclosure protection IP55
- Wide variety of duties, time and temperature combinations up to 600°C

All time and temperature combinations have been independently tested and verified by testing facilities such as: CTICM - France and TUM - Germany



▼  
**Stator rotor units**

Designed primarily for incorporating into our customers' own product, for reduced cost and size of final machine. The range includes: motor interiors, industrial and semi-hermetic units.



'Variable speed W' - our integrated motor/inverter (VSM), combines an efficient, highly adaptable 'W' motor with a purpose designed frequency inverter. This combination, together with the innovative design which incorporates the inverter into the terminal box, results in a very compact, efficient and reliable VSM which is ideal for incorporating into fan and pump applications.

- Frame sizes 80 up to 132
- Output range 0.55kW to 7.5kW
- Number of poles - 2 and 4
- Torque - constant and variable
- Frequency - 50 and 60Hz
- Voltage - 380-480V  $\pm 10\%$
- Enclosure protection - IP55, IP56 optional
- Digital outputs - 4
- Pulse inputs - 1
- Frequency range 0-132Hz



## Industrial motors - dc



The alternative to ac, Brook Crompton manufactures a full range of dc motors from 60W up to 750kW. These motors are widely used in printing machinery, large dockside cranes and lifts within tower blocks.



- Frame sizes 63 up to 355
- Output range - 60W up to 750kW
- Permanent magnet
- Shunt wound motors
- Gearless elevators

## Our company



### Brook Crompton

Brook Crompton is a leading manufacturer of electric motors for the global industrial market, with motor solutions which benefit a wide range of customers.

Our products are used in almost every industrial activity including water treatment, building services, chemical/petrochemical, general processing and manufacturing where they drive fans, pumps, compressors and conveyors, amongst other things.

Brook Crompton incorporates many well know names including Brook Motors, Crompton Parkinson, Electrodrives, Newman, Bull Electric and Hawker Siddeley Electric Motors.

We have a network of regional sales offices around the world, backed-up by a network of distributors, ensuring excellent local support wherever needed.

### Quality assurance

Stringent quality procedures are observed from first design to finished product in accordance with the ISO9001 documented quality systems.

All of our factories have been assessed to meet these requirements, a further assurance that only the highest possible standards of quality are accepted.

### Efficiency

Brook Crompton are an approved manufacturer of ac electric motors within the UK Government's Enhanced Capital Allowance (ECA) scheme.

A wide range of single and multi-speed motors are included on the UK Energy Technology List. Please check the ECA scheme website: [www.eca.gov.uk](http://www.eca.gov.uk) at time of purchase for current listing.

# Rotating Electrical Machines

## Worldwide sales and service network

Every care has been taken to ensure the accuracy of the information contained in this publication, but, due to a policy of continuous development and improvement the right is reserved to supply products which may differ slightly from those illustrated and described in this publication

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