

Brook Crompton - Quality, Reliability, Flexibility

For over 100 years BROOK CROMPTON has been a leader in the development of high efficiency electric motors. Colonel Crompton—a pioneer in the development of DC motors—formed R.E.B. Crompton & Co in 1878, and Ernest Brook made his first AC motor in Huddersfield, England in 1904 forming Brook Motors. The two organizations came together in the late 1960s and formed BROOK CROMPTON.

Today, BROOK CROMPTON is a leading manufacturer of industrial electric motors for the global market. Our products can be found in almost every industrial activity including Water/Waste Water Treatment, Mining, HVAC, Oil & Gas, Chemical Processing, Industrial Equipment, and General Manufacturing. Our areas of expertise include motors for hazardous applications (ATEX, IEC-Ex) as well as OEM-specific designs.

Brook Crompton is affiliated with ATB **ATB** (www.atb-motors.com) of Vienna, Austria, which owns a controlling interest in Brook Crompton. Additionally, ATB is owned by Wolong Holding Group **WOLONG** (www.wolong.com), which is the largest motor manufacturer in Asia. This combination of European “Old World Design”, coupled with state-of-the-art manufacturing plants around the world, help Brook Crompton offer its customers the very best products—at very competitive prices.

Stock Throughout North America



Toronto, ON Canada



Cleveland, OH USA

As well as:
Dallas, Houston, Memphis
Distributors throughout North America

1-800-MOTORS-9

Fax: 416-675-6885

www.brookcrompton.com

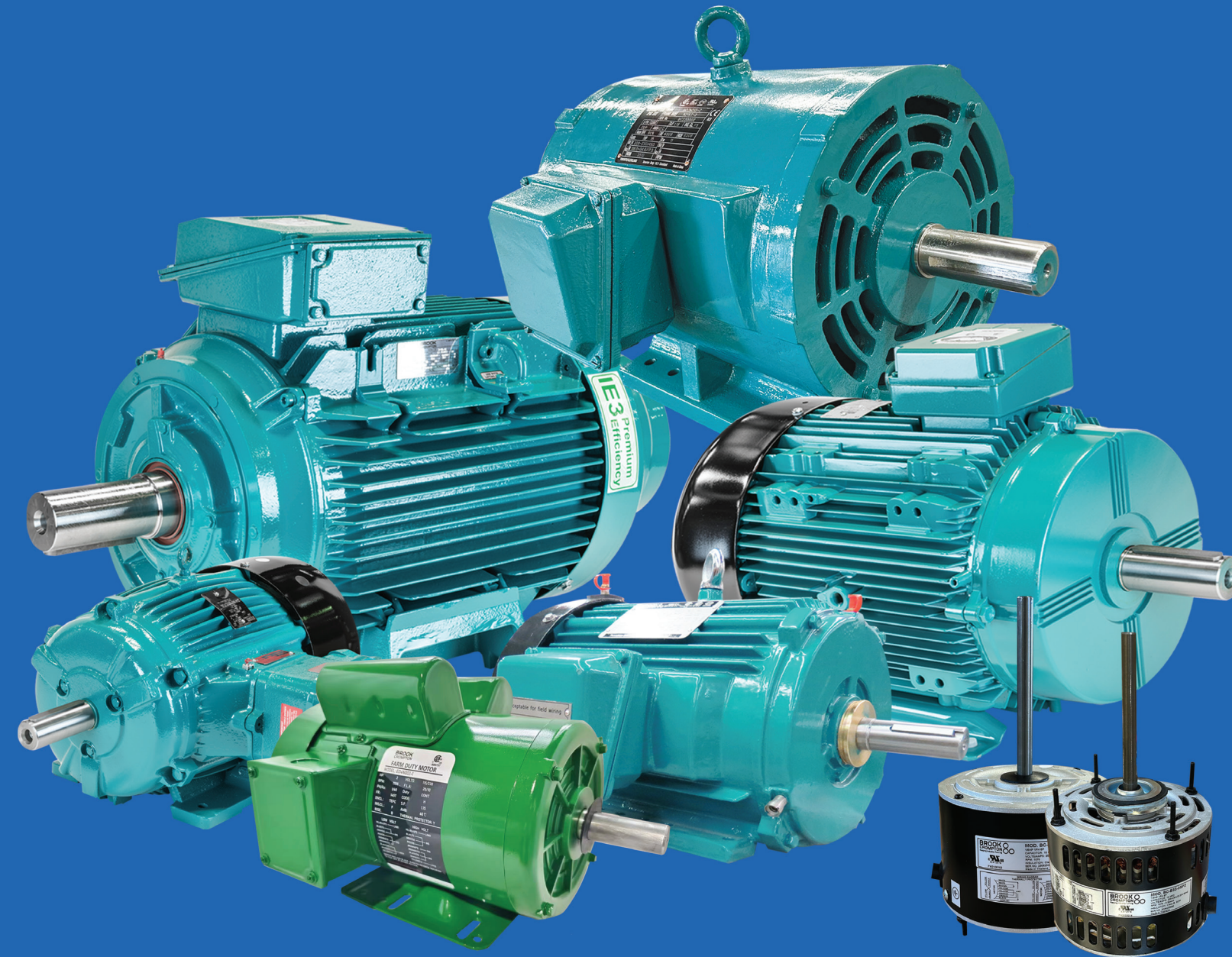
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BCNA-LIT-001

BROOK CROMPTON

Keeping Industry Turning



NEMA & IEC Motors



Channeling the
Power of Industry



W-Series Fractional Aluminum

NEMA 56 Frame

Features

- 0.25 to 3 horsepower
- Class F insulation, Class B rise
- Foot & C-face mounting
- Removable/ repositionable feet for any terminal box position (F1, F2, F3)
- 5:1 constant torque; 10:1 variable torque
- Service Factor 1.25
- Dual rated 50/60 hertz at same horsepower
- CSA approved for class I; Division 2; Groups A, B, C, & D, T3 with VFD



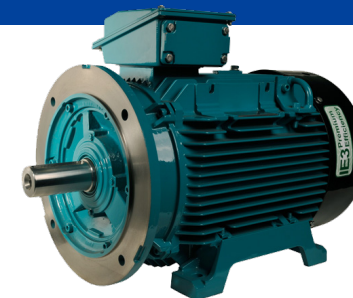
W-Series Aluminum

NEMA 143T - 286T Frame

IEC 63 - 180 Frame

Features

- 1 to 30 horsepower
- Class F insulation, Class B rise
- Foot, C-face, D-flange mounting. B3, B14, B5 mounting for IEC
- Removable/ repositionable feet for any terminal box position (F1, F2, F3)
- 5:1 constant torque; 10:1 variable torque
- Service Factor 1.25
- Dual rated 50/60 hertz at same horsepower
- CSA approved for class I; Division 2; Groups A, B, C, & D, T3 with VFD



W-Series Cast Iron

NEMA 143T - 586Z Frame

IEC 80 - 355 Frame

Features

- 1 to 500 horsepower
- Class F insulation, Class B rise
- Foot, C-face, D-flange mounting. B3, B14, B5 mounting for IEC
- Removable/ repositionable feet for any terminal box position (F1, F2, F3)
- 5:1 constant torque; 10:1 variable torque
- Service Factor 1.25
- Dual rated 50/60 hertz at same horsepower
- CSA approved for class I; Division 2; Groups A, B, C, & D, T3 with VFD



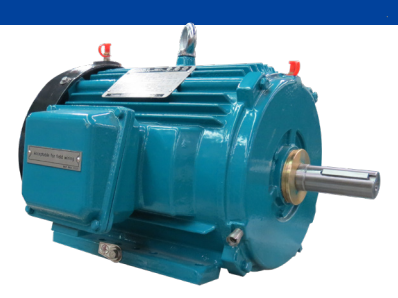
W-Series Brake Motors

NEMA 56 to 215T Frame

IEC 71 to 132M Frame

Features

- NEMA frames 56 to 215T
- IEC frames 71 to 132M
- Foot, C-face, D-flange mounting. B3, B14, B5 mounting for IEC
- Removable/ repositionable feet for any terminal box position (F1, F2, F3)
- Available in 230, 460, or 575 Volt



IEEE 841 Motors

NEMA 143T to 447T Frame

Features

- NEMA frames 143T to 447T
- Available in foot mount or C-face mount
- Available in 460 or 575 volt
- IP56 enclosure
- Low vibration level of .08 in/s or less
- Foot flatness of .005 in max
- Labyrinth style seal on both ends of shaft
- Epoxy paint
- Certified for Class I Div. 2/ Zone 2 Gr. A,B,C,D. Class II Div. 2/Zone 22 Gr. F & G



NEMA Explosion Proof

143T - 445T Frame

Features

- UL/ CSA approved Class I Div I Group C & D; Class II Groups E, F, & G T3B 140 - 250T frame
- UL/ CSA approved Class I Group D; Class II Groups E, F, & G T3B 280T and above
- NEMA MG1 Part 31 inverter duty
- UL certified 5:1 constant torque
- CSA certified 10:1 constant torque
- Service factor 1.15
- NEMA design B



NEMA Farm Duty & Auger Duty

NEMA 56 - 215T

Features

- Farm duty 0.33HP to 10HP
- Auger Duty 0.33HP to 1.5HP
- Rolled steel construction
- Manual thermal overload
- Foot and C-face mounting
- High starting torque
- 40 degree C. Ambient Temperature
- Class F insulation



HVAC Blower & Condenser Motors

NEMA 48 Frame

Features

- Condenser 1/6HP to 1/2HP
- Blower 1/4HP to 3/4HP
- Rolled steel construction
- Automatic overload
- Extended thru bolts
- Ball bearings
- 5.5" diameter
- 36" leads



W-Series Close Coupled Pump

143 - 365 Frame

Features

- JM & JP designs available
- Aluminum construction 1 to 30 HP
- Cast iron construction 40 to 75 HP
- NEMA MG1-PART 31 Inverter Duty
- 5:1 Constant Torque, 10:1 Variable Torque
- Service Factor 1.25
- Removable/ repositionable feet for any terminal box position (F1, F2, F3)
- Class F insulation, Class B rise
- Dual Rated 60/50Hz at same HP
- CSA approved for Class I ; Division 2; Groups A,B,C & D,T3 with VFD



Open Drip Proof

182T - 447T Frame

Features

- 3 to 350 horsepower
- Cast iron frames
- Class F insulation
- Foot & C-face mounting
- Premium efficient
- 10:1 variable torque
- Service Factor 1.15
- Class F insulation
- CSA certified and UL recognized



Witton Kramer Brakes

PG/PM Brakes

Features

- Applications: cranes, conveyors, process lines, hoists, mining, winches, rolling mills
- Perigrip magnetic brakes suit able for operation on a.c. supplies from 110V to 650V
- Class B insulation
- PM magnetic brakes are suitable for operation on a.c. supplies from 110 to 575 volt and on all DC supplies up to 550 volts