



Explosion Proof Motors



- High quality, dependable explosion proof motors
- Customized motors to meet your specific requirements
- Delivered on time, every time

Reliable Motors, Built to Last

Bluffton Motor Works builds the most reliable fractional motors available. Specializing in fractional motors for nearly 70 years, Bluffton has a long history of building motors that are dependable in the toughest environments.

Custom Designed for Any Application

Bluffton Motor Works has single and three phase motors available in three NEMA frame sizes to fit most applications. Motors can be customized to specific applications to ensure performance for your particular environment.

Delivered On Time, Every Time

When we provide a production schedule, we meet it. We understand the critical nature of supply to our customers, and invest heavily in our facility to ensure 99.8% on time performance. On time delivery is simply what we do.

General Purpose Explosion Proof



• Approved Operating Environments

- *Class I Group D*: Gasoline, propane, ammonia, and other similar gases
- *Class II Group E*: Metal dusts, including magnesium and others
- *Class II Group F*: Coal Dust, along with coke dust and carbon black
- *Class II Group G*: Grain Dust

• Specifications

- Single or three phase
- ¼ HP – 3 HP
- 3450 RPM, 1725 RPM or 1140 RPM
- Rigid base and/or NEMA C-face mountings, with keyed or threaded shaft
- Available in 36, 48, and 56 frame designs
- Ball bearings, automatic reset thermal protection, and leads or cord availability
- Conduit box kit for hazardous locations

Gasoline Dispensing Pump Explosion Proof



• Approved Operating Environment

- *Class I Group D*: Gasoline vapor environment

• Specifications

- 115/208 – 230 Volts, 60/50 Hertz, with Voltage change switch
- 56 frame, 3.5" shaft height (up to 3.81" high 61 frame mounting)
- On-off line switch with rotating actuator
- 48" leads out a 180° swivel conduit connector on shaft end
- Ball bearings, automatic reset thermal protection, and reversible rotation

Commercial & Industrial Motors

56, 48 and 36 Frame Motors
HydroDuty Washdown Motors
Custom Designed Motors
Explosion Proof Motors
Right Angle & Parallel Shaft Gearmotors

Component Products

Steel lamination stampings
Shaft manufacturing

Services

Application & design assistance
Performance testing
Engineered samples
Assistance in agency certification process
Inventory management
Plant audits



Equipment Powered by Bluffton Motors

Air handling fans & blowers
Bottling
Car wash
Commercial ovens & dishwashers
Compressors
Conveyors
Cranes & lifts
Dental & medical devices
Food processing
Fuel & chemical processes
Gate & door operators
Grain handling & drying
Grinding
HVAC
Laundry
Packaging & material handling
Paint shakers & mixers
Pumps
Recreational
Refrigeration

- Top quality, reliable motors
- On time, every time
- Competitive pricing

BLUFFTON MOTOR WORKS

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