



 **BLUFFTON** MOTOR
WORKS



This Motor Doesn't Chicken Out

You Can Trust Bluffton
for the Toughest –
Longer Lasting
Motor for Feather
Picking Applications

■ TOP QUALITY, RELIABLE MOTORS ■ ON TIME, EVERY TIME ■ MAXIMIZE INVESTMENT

PickerPlus™ Severe Duty Feather Picker Motor



Sealed Top Mounted Conduit Box

- Prevents water accumulation at the leads
- Reduces risk of lead wire failure with watertight heat shrink lead splice kit
- Potted conduit lead wire entrance

SprayGuard™ Encapsulated Windings

- Eliminate common washdown failures
- Protect windings from moisture
- Meet NEMA MG1 Part 31 for Inverter Duty

Patented Three Stage Seal System

- Ensures watertight fit with custom lip seal, stainless steel shaft slinger, and specially designed check seal

Oversized Shaft End Bearings

- Oversized double row drive end bearing is designed to handle high side load tensions

Advanced Protection Technology

- Eliminates the need for drain plugs. A unique oil and water resistant breather vent and flared shell design provides optimum protection

Trust Bluffton for the Toughest – Longer Lasting Motor for Feather Picking Applications

- **Built Durable** Withstands frequent sanitizing with high pressure sprays and extreme side loading requirements. Especially designed for feather picker applications
- **Economical** Long lasting design that outperforms any other motor on the market. Extended service life that can save you \$10,000 – \$15,000 in downtime costs for motor replacement
- **Best Warranty** We stand by our motors with the best warranty in the business. It even covers failures from water intrusion

■ Specifications:

Electrical

- Three-phase, 60 Hz
- 4 pole (1725 RPM)
- 208-230/460 volt
- Continuous duty
- 3 Horsepower
- Class F inverter duty insulation system
- Encapsulated windings
- 1.0 Service Factor
- IP 66 Rated

Mechanical

- NEMA 145TC, IEC 100L frame
- Rigid base, or no base
- C-face
- TEFC
- Double-row ball bearings
- Continuous duty

Trust Bluffton to Reduce Your Washdown Motor Replacement Costs

We offer three motor choices to provide you with the performance, durability and economy you need for specific washdown applications. More choices to lower your motor replacement costs and increase your return-on-investment.

HydroDuty™



The Ultimate Washdown Motor

- This is the ultimate waterproof motor. Proven to provide 75% more cycles than other brands through extreme environment testing
- Reduces motor replacement and downtime costs. Outperforms the competition with 50 times longer service life

Why HydroDuty Motors are Better:

- Flared shell keeps moisture droplets away from encapsulated winding
- Center cavity drain keeps condensation away from the motor face
- Drip grooves keep condensation away from bearings
- Patented breather vent vaporizes condensation

HydroWash™



General Purpose Washdown Motor

- Designed for long service life in general purpose washdown applications
- Extended service life that can save you \$10,000 – \$15,000 in downtime costs for motor replacement

Built to Get Wet

- Breather vent stabilizes internal pressure to keep moisture out
- Potted conduit box lead hole seals moisture out
- Includes a waterproof splice kit for added protection
- Exclusive VPI (Vacuum Pressure Impregnated) windings for optimal service life and performance

Ask Us for a Comprehensive Cost of Motor Ownership Audit

BLUFFTON MOTOR WORKS

Feather Picker Motor Cost Savings Report

Distributor Branch: Applied SC247 TCO Tracking #
 Plant Name: Mount Processing Tot. Value Add #
 Plant Location: Mount Missouri
 Distributor Person: Lou Bowman
 Mfr. Rep./Agent: Raymond Spence 98 20 2010

Highlighted boxes indicate required information

Summary of Cost Reduction/Improvement:
 Annual motor usage reduced from 134/yr down to 12/yr over 8 year average. This application is an reference to 4 disk D16 pickers, 8 motors each, 32 total, modified with overhung lead solutions, and using M & M (Metric) ring ball drive system. Previously used motor life averaged 2 1/2 months. After changing to Picker Plus, average picker motor life appears to average 8 years. This data was provided by maintenance Dept at this plant. Installation charge of \$20.00 included in prices shown.

Cost Item	Existing Motor Mfr. Name	Balluff	Bluffton Picker Plus	Bluffton Picker Plus
Existing Motor Mfr. Part Number	WEM316E1P	Bluffton Part Number	01889 1131 0071432	
Part Description	Picker motor	Part Description	Encapsulated Picker motor	
Customer Part Number	66271736	Bluffton Part Number	180000180	
Times Replaced Each Year	134	Replaced # Replaced/Year	12	
Existing Mfr.'s Price	\$475.00	Bluffton Picker Plus Cost	\$815.00	
# Replaced Per Year	134	# Replaced Per Year	8.33	
Annual Cost	\$2,175.00	Annual Cost	\$2,022.96	

Total Savings:

	Annual Cost	No. of Units	Ann. Savings
Old Part Annual Cost	\$2,175.00	32	\$89,600.00
Bluffton Part Annual Cost	\$2,022.96	32	\$6,496.40
Annual Savings			\$83,103.60

Additional Information:
 Reduced purchases of 143 motors/year by changing to Bluffton Picker Plus

Approvals:
 Customer Manager: _____ Title: _____
 Name: _____ Date: _____
 Signature: _____

Ask your Bluffton representative for a complimentary audit of your company's motor maintenance and replacement costs. This audit will show you how choosing the right motor can significantly reduce your downtime, replacement and maintenance costs with a performance-matched solution.



BLUFFTON MOTOR WORKS

Bluffton® Commercial & Industrial Motors

56, 48 and 36 frame motors
Washdown motors
Custom designed motors
Explosion-proof motors

Toledo™ Gearmotor Speed Reducers & Gearmotors

Right angle and parallel shaft

Component Products

Steel lamination stampings
Shaft manufacturing
Custom gearing

Services

Application & design assistance
Performance testing
Engineered samples
Assistance in agency certification process
Inventory management/plant audits
Repair services

Typical Applications

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

- **Top quality, reliable products**
- **On time, every time**
- **Competitive pricing**

Toledo Gearmotor, A Bluffton Motor Works Company
5439 Roan Road
Sylvania, OH 43560
800-488-7072
(Local: 419-885-3769)

www.toledogear.com

Bluffton Motor Works
410 East Spring Street
Bluffton, IN 46714
(800) 579-8527

www.blmworks.com



Made in
the U.S.A.

© 2013, Bluffton Motor Works.
All Rights Reserved. 06/13 2M BM-0101