



► **Whizard[®] Trimmer Motors from Bettcher**

A powerful motor lineup for your trimmers.

In the drive to boost trimming productivity, Bettcher motors give you the most power and performance available anywhere. And now, with four models of motors to choose from – including our *new ultra-high energy-efficient Quantum S Motor* – there's a Bettcher motor to fit every processing need.

Bettcher gives you the most powerful motor lineup for total trimmer coverage ...

▶ Quantum Motor™

The Quantum Motor gives you smooth, effortless operation for all meat, poultry and seafood trimming procedures – different cuts and all – with adaptive controls that automatically increase torque under load while dramatically reducing vibration.

- At **6,500 rpm** output, more productive power makes all cut/trim procedures much easier
- Advanced torque control adjusts the torque load applied to the trimmer for smoothest operation and consistent cutting power
- More operator control and safety than ever
- “Soft start” and “quick stop” rotating blades, along with dropout protection
- Ultra-durable, water-resistant design

▶ Quantum S Motor™

Our newest motor gives you the same smooth, effortless operation you get with our industry-leading Quantum Motor™, but with the added benefit ultra-high energy-efficiency.

- At **3,800 rpm** output, the Quantum S is engineered specifically for poultry trimming, seafood trimming and other lighter-duty applications
- Ideal for applications that require slower line speeds for more effective cutting and trimming
- Gentle processing helps maintain the integrity and texture of delicate cuts while reducing product lost to spoilage
- Conserves up to 70% in energy usage
- Uses the same driveline as the Quantum Motor
- Ultra-durable, water-resistant design

▶ UltraDrive® Motor

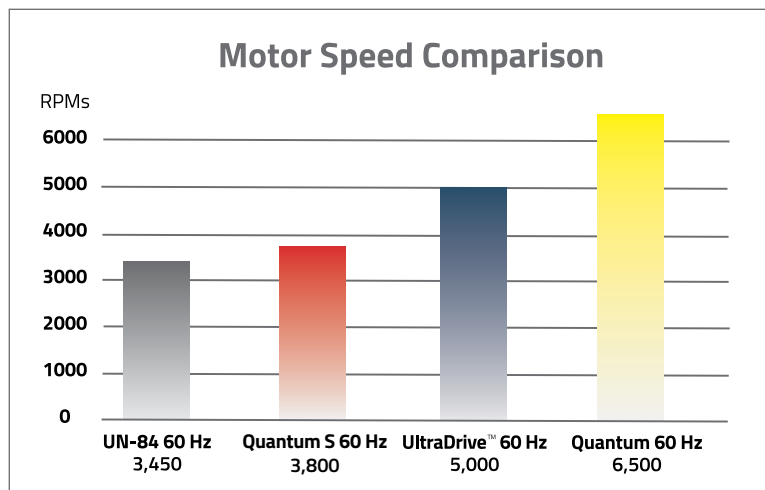
Gain the advantages of power and productivity along with a host of safety features.

- **5,000 rpm** output enables fast, efficient cutting
- Constant torque level – even under load
- User-friendly features include operator-activated power shutoff plus restart prevention while the trimmer is on its hanger
- Mechanical drive system simplifies maintenance
- Durable, water-resistant design

▶ UN-84 Motor

This time-tested model has been a meat industry workhorse for more than 35 years. It provides good, basic performance sufficient for selective meat trimming applications.

- Universal drive motor delivers **3,450 rpm** output
- Meets all basic safety and ergonomic requirements
- Durable, water-resistant design



Quantum Drivelines

Trimmer Motors from Bettcher – Technical Information



Quantum Motor™

For Trimmer Models ...
Flex and Quantum

Power Requirements

Model 189001

115 VAC / 1 Phase / 60 Hz
8 full load amps

Model 189002

230 VAC / 1 Phase / 50 Hz
4 full load amps

Motor Speed

6,500 rpm

Weight

14.64 lbs. (6.64 kg)

Overall Size

7-13/16" width x 11-1/4" depth x
16-13/16" length (19.8 cm x 28.6
cm x 42.7 cm)



Quantum S Motor™

For Trimmer Models ...
Flex and Quantum

Power Requirements

Model 107370

115 VAC / 1 Phase / 60 Hz
5 full load amps

Model 107372

230 VAC / 1 Phase / 50 Hz
2.5 full load amps

Motor Speed

3,800 rpm

Weight

14.64 lbs. (6.64 kg)

Overall Size

7-13/16" width x 11-1/4" depth x
16-13/16" length (19.8 cm x 28.6
cm x 42.7 cm)



UltraDrive® Motor

For Trimmer Models ...
Flex and Series II

Power Requirements

Model 173271

115 VAC / 1 Phase / 60 Hz
5.2 full load amps

Model 173272

230 VAC / 1 Phase / 50-60 Hz
2.5 full load amps

Motor Speed

5,000 rpm

Weight

35 lbs. (15.8 kg)

Overall Size

12" width x 9-1/4" depth x 22-1/2"
length (30.5 cm x 23.5 cm x
57.2 cm)



UN-84 Motor

For Trimmer Models ...
Flex and Series II

Power Requirements

Model 163023

115 VAC / 1 Phase / 60 Hz
6 full load amps

Model 163554

230 VAC / 1 Phase / 50 Hz
3 full load amps

Motor Speed

3,450 rpm

Weight

24 lbs. (10.9 kg)

Overall Size

11" width x 7-1/2" depth x 22"
length (27.9 cm x 19.1 cm x
55.9 cm)

Additional Quantum Motor performance features:



Brushless DC Motor: Small size, reduced weight, plus increased reliability with less maintenance and extended life expectancy.

Superior Cutting Performance: Blades feel sharper longer, enabling more productivity with less steeling.

Advanced Torque Control: Allows the Quantum Motor to adjust to torque load applied to the trimmer for smooth operation, improved flexshaft life and consistent cutting power.

Embedded Safety Circuitry: Shuts down instantly when dangerous torque levels are reached, preventing lockup situations ... also prevents unintended trimmer startups.

Note: Motors have been independently tested and comply with Low Voltage Directive 73/23/EED and EMC 89/336/EED which includes conformity with the following standards: EN 50081-1; EN 50082-1; EN 60335-1; IEC 801; IEC 335-1. In addition, motors conform with American standards USDA, ANSI 3.34 and UL 763.



Quantum Flex® Trimmers

Quantum Flex® Trimmers, the newest generation of trimmer technology from Bettcher, are today's best choice because of their many attractive performance benefits that drive more yield and more profit straight to your bottom line.

Quantum Flex trimmers are lighter and faster for better cutting efficiency. With our small tool models, you'll get 25% increased blade speed or more when compared to the next-best performing trimmer line. Changing blades has never been faster and easier, too.

Best of all, Quantum Flex trimmers are attachable to any Bettcher-made motor – so you can tap into the powerfully productive performance of the industry's best trimmer tools while avoiding additional upfront costs.

Take the Next Step

Visit bettcher.com/trimmers or call **800-321-8763** to learn more about the powerful lineup of motors from Bettcher and how they optimize trimming efficiency, productivity and profitability in meat, poultry and seafood processing operations.



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