

# WHY GROSCHOPP?

WE DESIGN AND BUILD OUR MOTORS IN THE UNITED STATES

48 HOUR TURNAROUND ON A SAMPLE MOTOR

DIRECT ACCESS TO OUR ENGINEERS

CUSTOM AND STANDARD MOTORS TO FIT YOUR APPLICATION



## POWERFUL ONLINE TOOLS AND RESOURCES

Available on our website: [www.groschopp.com](http://www.groschopp.com)

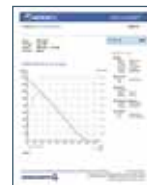
### MOTOR SEARCH TOOL



### STPE CALCULATOR: SPEED, TORQUE AND POWER



### DATA SHEETS AND OUTLINE DRAWINGS



### ONLINE CUSTOMIZATIONS



### VIDEOS, WHITEPAPERS & BLOGS



**GROSCHOPP**<sup>®</sup>  
product line



**FRACTIONAL HORSEPOWER**  
motors | gearmotors | controls

 **48 HOUR**  
turnaround

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Registered ISO 9001:2008

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# GROSCHOPP PRODUCT LINE

## DC MOTORS & GEARMOTORS



### DC Motors

- 12 - 180 VDC and 115/230 FWR
- 350 - 6,000 RPM
- .70 - 13 in-lbs rated torque
- 0.07 - 0.50 HP



### DC Planetary Gearmotors

- 12 - 180 VDC and 115/230 FWR
- Up to 700 in-lbs rated torque
- 0.02 - 0.38 HP
- 5:1 - 1,000:1 standard ratios



### DC i-series Planetary Gearmotors

- 12 - 180 VDC and 115/230 FWR
- Up to 1,062 in-lbs rated torque
- 0.01 - 0.5 HP
- 5:1 - 308:1 standard ratios
- Selected ratios available with plastic housing and gears



### DC Parallel Shaft Gearmotors

- 12 - 180 VDC and 115/230 FWR
- Up to 322 in-lbs rated torque
- 0.02 - 0.38 HP
- 5:1 - 320:1 standard ratios



### DC Right Angle Planetary Gearmotors

- 12 - 180 VDC and 115/230 FWR
- Up to 650 in-lbs rated torque
- 0.02 - 0.38 HP
- 5:1 - 1,000:1 standard ratios



### DC Right Angle Gearmotors

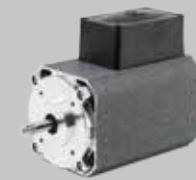
- 12 - 180 VDC and 115/230 FWR
- Up to 375 in-lbs rated torque
- 0.02 - 0.38 HP
- 5:1 - 100:1 standard ratios



### DC Armature/Magnet Sets

- 12 - 180 VDC and 115/230 FWR
- 275 - 6,000 RPM
- Meets or exceeds UL guidelines

## AC MOTORS & GEARMOTORS



### AC Motors

- 115V or 230V
- 50Hz / 60Hz
- 1,200-3,400 RPM
- 2 pole or 4 pole design
- 1.6 - 26 in-lbs rated torque
- 0.05 - 1 HP
- Single or three phase



### AC Planetary Gearmotors

- 115V or 230V
- Up to 800 in-lbs rated torque
- 0.05 - 1 HP
- NEMA 34 mounting configuration
- 5:1 - 1,000:1 standard ratios



### AC i-series Planetary Gearmotors

- 115V or 230V
- Up to 1,062 in-lbs rated torque
- 0.05 - 0.75 HP
- 5:1 - 308:1 standard ratios
- Selected ratios available with plastic housing and gears



### AC Parallel Shaft Gearmotors

- 115V or 230V
- Up to 322 in-lbs rated torque
- 0.05 - 0.75 HP
- 5:1 - 320:1 standard ratios



### AC Right Angle Planetary Gearmotors

- 115V or 230V
- Up to 750 in-lbs rated torque
- 0.05 - 0.75 HP
- 5:1 - 1,000:1 standard ratios



### AC Right Angle Gearmotors

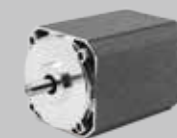
- 115V or 230V
- Up to 442 in-lbs rated torque
- 0.05 - 0.75 HP
- 5:1 - 100:1 standard ratios



### AC Stator/Rotor Sets

- 115V or 230V
- 50/60 Hz
- 1,400 - 3,400 RPM
- 2 pole or 4 pole
- Meets or exceeds UL guidelines

## BRUSHLESS MOTORS & GEARMOTORS



### Brushless DC Motors

- Frame sizes 65 and 80 available
- 115 VAC/12 - 163 VDC Bus
- 2,300-3,000 RPM
- 1.8 - 10.8 in-lbs rated torque
- 0.10 - 0.50 HP



### Brushless DC Planetary Gearmotors

- 115 VAC/12 - 163 VDC Bus
- Up to 700 in-lbs rated torque
- 0.03 - 0.38 HP
- 5:1 - 1,000:1 standard ratios



### Brushless DC i-series Planetary Gearmotors

- 115 VAC/12 - 163 VDC Bus
- Up to 1,062 in-lbs rated torque
- 0.04 - 0.33 HP
- 5:1 - 308:1 standard ratios
- Selected ratios available with plastic housing and gears



### Brushless DC Parallel Shaft Gearmotors

- 115 VAC/12 - 163 VDC Bus
- Up to 322 in-lbs rated torque
- 0.04 - 0.38 HP
- 5:1 - 320:1 standard ratios



### Brushless DC Right Angle Planetary Gearmotors

- 115 VAC/12 - 163 VDC Bus
- Up to 650 in-lbs rated torque
- 0.03 - 0.38 HP
- 5:1 - 1,000:1 standard ratios



### Brushless DC Right Angle Gearmotors

- 115 VAC/12 - 163 VDC Bus
- Up to 255 in-lbs rated torque
- 0.03 - 0.38 HP
- 5:1 - 100:1 standard ratios

## UNIVERSAL MOTORS



### Universal Skeleton Motor

- 12 - 250 AC/DC voltage
- 0.25 - 2.50 HP
- 8,000-20,000 RPM
- 2 pole design
- Meets or exceeds UL guidelines



### Universal Parts Sets

- 12 - 250 VAC/VDC voltage
- 0.25 - 2.50 HP
- Up to 20,000 RPM
- 2 pole design
- Meets or exceeds UL guidelines

## GEARBOXES/SPEED REDUCERS



### Stand-Alone Right Angle Planetary Gearmotors

- 5:1 - 1,000:1
- Up to 840 in-lb rated torque
- Mounting options for NEMA 23 or NEMA 34 mo



### Stand-Alone Planetary Gearmotors

- 5:1 - 1,000:1
- Up to 900 in-lb rated torque
- Mounting options for NEMA 23 or NEMA 34 motors

## CONTROLS



### AC Controls

- Chassis Enclosure Options
- NEMA-4X Enclosure Options



### BLDC Controls

- Options
- NEMA-4X Enclosure Options