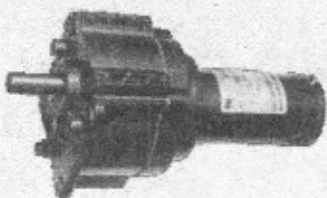


DC GEARHEAD MOTORS

MOTORS



4.6 RPM RAE, #TENV1605. 24 VDC permanent magnet, reversible. Ball bearing motor, sleeve bearings on gearbox. Motor is rated 24 VDC 0.90 amp. Torque is rated at 120 in.-lb. Shaft: 5/8" dia. x 1-1/2" long. Shaft has a standard 3/16" straight keyway and key. Front of gearbox has three 1/4X20 tpi tapped holes for mounting. Bolt centers 3" apart. Two holes are on shaft center, left and right of shaft, with the third located below shaft center line. Dimensions: 4" wide x 4-3/4" high x 8-1/2" long (excluding shaft).

Stock #DCGM9703

8 RPM MULTI

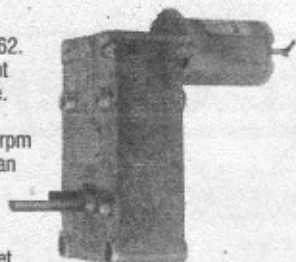
PRODUCTS, #3462. 12 VDC permanent magnet, reversible. Sleeve bearings.

No-load speed, 9 rpm @ 0.4amp. With an 80 oz-in load speed is 8 rpm @ 0.110 amp.

Very powerful quiet running motor. Shaft: 5/16" dia. x 1" long

with flat running full length. Solder tabs for electrical connections. Four holes tapped #8X32 tpi on output face of the gearbox. The bolt hole centers are 1-9/16" apart in one direction and 1-5/8" apart in the other direction. Dimensions: 2-1/2" wide x 4" high x 3-1/4" deep (excluding shaft).

Stock #DCGM2101



13 RPM

BUHLER, #725709. 24 VDC permanent magnet, reversible. Sleeve bearings. No load speed 10 rpm @ 0.030 amp with 40 oz-in load 13 rpm @ 0.08 amp.

Shaft: 3mm dia. x 3/8" long. Shaft has 20 tooth plastic gear with brass hub. This gear is difficult to remove, but it can be taken off. (Grinding or sawing the gear and hub off is the best removal method.) Three tapped mounting holes on front face, tapped 2.5 x 0.45mm. Dimensions: 1-1/8" wide x 1-1/2" high x 1-9/16" deep (excluding shaft).

Stock #DCGM9653

\$15.00

14 RPM

BUHLER, #1.61.046.037. 24 VDC permanent magnet. Reversible.

Sleeve bearings. Rated at 29.5 VDC. We tested the unit at 24 VDC. No load speed at 24 VDC input is 16 rpm. No load current is 0.045 amp. With 100 oz-in load rpm is 14 @ 0.133 amp. Shaft: 5 mm dia. x 20mm long with snap ring groove near end and flat running about half way down length. Three untapped mounting holes in gearbox face. Dimensions: 1-3/8" dia. x 2-9/16" long (excluding shaft).

Stock #DCGM2300



15 RPM

GLOBE MOTORS, #299-A349-0007. 12 VDC gearhead permanent magnet motor. Reversible, sleeve bearings. No

load speed 18 rpm @ 0.125 amp. With a 40 oz-in load the rpm is 15 @ 0.20 amp. Shaft: 3/16" dia. x 5/16" long. The shaft has a 1/4" long flat. Three tapped mounting holes are located on the face of the gearhead. The holes are tapped for #4X40 tpi screws. The bolt hole circle is approx. 1" dia. The motor has 18" long wire leads. Dimensions: 1-3/8" dia. x 2-13/16" long (excluding shaft).

Stock #DCGM9904



21 RPM FAULHABER, #1212E006G. (Motor) with #12/3 Gearbox. Precision Swiss motor with screw-on removable gearhead. Both have sleeve bearings. Gearhead ratio is 235:1 rated for operation on 6 VDC. Motor no-load speed is 16,000 rpm. No-load current is 7 mA. Motor stall torque is 0.166 oz-in. Torque constant is 0.497 oz-in/A. Motor has precious metal commutation. No load output speed through gearbox is 65 rpm @ 10 mA approx. With 10 oz-in load shaft output speed approx. 21 rpm. Shaft: 2mm dia. x 5.9mm long with flat. Solder tab style ears for electrical connections. Servo style front mounting flange. Dimensions: (motor and gearbox) 12mm dia. x 37mm long (excluding shaft).

Stock #DCGM2301

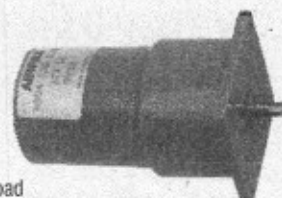
Please call us if you have surplus inventories of electronic, optical, or mechanical items for disposal.

23 RPM

AIRPAX, #9904 120 52607.

12 VDC permanent magnet reversible. Sleeve bearings in motor and gearbox. No-load speed is 25 rpm. No-load current is 0.056 amp. With a 20 oz-in load, the shaft rpm is 23 and the running current is 0.103 amp. The gearbox of this motor has a ratio of 150.4:1. Shaft: 5/32" dia. x 5/16" long. The motor has a square front mounting flange with 3/32" dia. clear mounting holes in all four corners. Solder style tabs are located on the side of the motor for electrical connections. Dimensions: 1-9/16" sq. (across mounting flange) x 2-9/16" long (excluding shaft).

Stock #DCGM9956



24 RPM

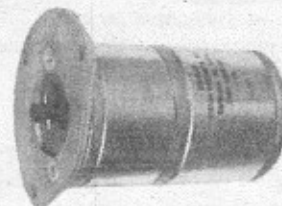
BUHLER, #Y0813.

24 VDC permanent magnet, reversible. Sleeve bearings.

Tested on 24 VDC the no-load speed is 31 rpm @ 0.033 amp. With 50 oz-in load the rpm is 24 @ 0.116 amp. Tested on 12 VDC the no-load speed is 15 rpm @ 0.027 amp. Operated on 12 VDC with a 50 oz-in load the rpm is 7 @ 0.115 amp. Shaft: 3mm dia. x 1-1/16" long and has a full length flat. The motor has solder style tabs on the rear which will also accept 1/8" wide female quick tab terminals. NOTE: This unit has a code connected across the motor terminals which must be removed if the motor is used in reversing applications. Motor has three tapped mounting holes on front face. Holes are tapped 2.5 x 0.45mm. Dimensions: 1-1/8" wide x 1-1/2" high x 1-15/16" deep (excluding shaft).

Stock #DCGM2200

\$15.00



35 RPM COLMAN, #CYOC43204. Permanent magnet, reversible, sleeve bearings. Rated 24 VDC. Tested at 24 VDC the no-load speed is 40 rpm. No-load current is 0.07 amp. With a 100 oz-in load the rpm is 35 @ 0.25 amp. Shaft: 1/4" dia. x 7/16" long. Shaft has a 3/32" dia. cross drilled hole with roll pin. Front of motor gearbox has two #10X32 tpi tapped mounting holes. The motor is supplied with an oval steel plate attached to front of gearbox which can be easily removed if not required. Dimensions: 2" dia. x 3-1/4" long (excluding shaft).

Stock #DCGM9706

DC GEARHEAD MOTORS

MOTORS



70 RPM BARBER COLMAN, #CYQM23410-13. Permanent magnet, reversible, sleeve bearings. Rated 24 VDC. Tested at 24 VDC the no-load speed is 130 rpm. No-load current is 0.06 amp. With a load of 60 oz-in, the rpm is 70 @ 0.4 amp. Shaft: 1/4" dia. x 11/16" long. The shaft has dual flats on opposite sides running the full length. The shaft is 3/16" wide (measured across the flats). The motor gearbox has two #10X32 tpi tapped mounting holes on its face. Dimensions: 2" dia. x 2-3/4" long (excluding shaft).

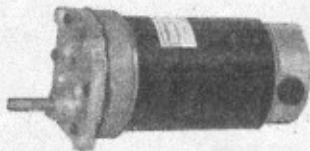
Stock #DCGM9711



40 RPM BUHLER, #1.61.046.046-8. 24 VDC permanent magnet. Reversible. Sleeve bearings. No load speed at 24 VDC input is 51 rpm. No load current is 0.03 amp. With a 60 oz-in load the rpm is 40 @ 0.2 amp. Shaft: 8mm dia x 9/16" long. The shaft has a snap ring groove near the shaft end. A 3/32" dia. cross-drilled hole is located further down the shaft near the motor mounting face. The motor has three tapped mounting holes in the gearbox face. The holes are tapped 3X0.5mm. Dimensions: 1-3/8" dia. x 1-11/16" long (excluding shaft).

Stock #DCGM9804

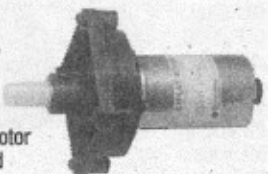
59 RPM VON WEISE, #V05475A180. DC permanent magnet, reversible. Rated 180 VDC 0.35 amp



1/12 hp. Full load torque rated 50 in-lb. Intermittent duty. Motor rpm 1700. Gearbox ratio 29:1. Tested on 120 VDC no-load rpm is 53 rpm. No-load current is 0.95 amp. Motor has ball bearings. Gearbox has sleeve bearings. Shaft: 3/8" dia. x 1-3/16" long with single flat. Flat length is 1-1/16". Gearbox face has four #10X32 tpi tapped mounting holes. Holes are 2-5/8" apart along width axis and 2-5/8" apart in height axis. Shaft center line is centered between mounting holes left to right and offset approx. 5/8" below center line of upper mounting holes. 4-1/8" long flexible leadwires with right angle 1/4" quick connect terminals attached to motor for electrical connections. Dimensions: 3-3/8" wide x 3-5/8" high x 7" long (excluding shaft).

Stock #DCGM9851

70 RPM SUMITOMO/CYPLAX, #P60-45-DZ01. 24 VDC permanent magnet. Reversible.



Sleeve bearings in motor and gearbox. No-load speed is 82 rpm. No-load current is 0.2 amp. With a 50 oz-in load, the shaft rpm is 70 and the running current is 0.5 amp. Shaft: 12mm dia. x 19.8mm long. The shaft has a flat running the entire length and is made of plastic. Has 18" long flexible electrical leads. Dimensions: 2-3/8" sq. (across gearbox). x 4" long (excluding shaft).

Stock #DCGM2051

71 RPM GEARMOTOR BISON, #151-204-2016 CE.

High quality gearmotor.

Permanent magnet reversible.

Motor and gearbox have ball and needle bearings. Rated for operation on 180 VDC, but can be operated on lower voltages with proportionally lower output speeds and torque. Nominal input current is 0.5 amps, 0.07 hp. Operated on 180 VDC torque rating is 54 in-lb. Tested on 100 VDC no-load speed is 74 rpm @ 0.2 amp. Unit will produce an output speed and torque that is proportional to the applied voltage. At 100 VDC input, we estimate the rpm to be about 35 with a torque loading of 25 in-lb. Gearbox ratio is 25:1. Heavy duty terminal box mounted on top. Lid of box is gasketed and has a circular clamping strain relief fitting. Shaft is 1/2" in dia. and is 1" long and with 1/8" standard square key and keyslot. Shaft also has a full length flat. Dimensions: 3-5/8" wide x 5" high (including terminal box) x 8-1/2" long (excluding shaft).

Stock #DCGM2203

\$79.50

87 RPM TRICO, #23001834.

12 VDC worm gear motor.

Windshield wiper style motor, powerful and quiet running.

DC permanent magnet, reversible, sleeve bearings. No-load speed is 90 rpm

@ 4 amps. With 100 oz-in load rpm is 87 @ 4.7 amps. The shaft end has a short threaded section with the section near the motor body being tapered and knurled on the outside diameter. Max. outside diameter of the tapered section is 10mm. Shaft thread is 8mm dia. with thread pitch of 1.25mm. Thread length is approx. 8mm. Overall length is 15mm. Mounting nut and lockwasher supplied attached to the shaft. Three circular tapped mounting bosses located on the face of gearbox. Holes are tapped for 6mm x 1mm pitch screws. Motor has a "Parking Switch" driven by output shaft. Switch consists of slip ring style flat contact disc with sliding spring contacts. Circular rotating disc has dead spot that spans approx. 30° of rotation. This arrangement can be used if desired to park output shaft in repeatable position. Can be operated continuously by using motor power leads and ignoring the switch functions if they are not needed. Unit has automotive style 5 pin male contact receptacle for electrical connections. Dimensions: 3-1/2" wide x 6-3/4" long x 3-1/2" deep (including shaft).

Stock #DCGM2102

SCB



←DCGM2103RH (Right-hand Motor)

DCGM2103PR → (Pair)

100 RPM

INVACARE, #1071569. Well made motors originally for use with powered wheelchairs. Manufactured by HUAFENG ELECTRICAL in China. With ball bearings throughout, designed to provide long reliable service. Two styles of motors; one with the shaft exiting to right-hand side of the gearbox, and the other with the output shaft exiting to left-hand side of the gearbox. Sold in pairs or the right-hand model singly. Performance and electrical specifications are in all other respects identical. Permanent magnet, reversible. Rated for operation on 24 VDC. No-load speed is approx. 110 rpm with a no-load current of approx. 3.6 amps. Approx. 100 rpm with a load of 60 in-lb. Current at this load point is 7.9 amps. Max. rated torque is 120 in-lb with an output 94 rpm and a current of 13.2 amps. Gear ratio of 32:1. Electrically operated friction brake mounted on the rear. Coil voltage is 24 VDC. Braking torque is rated at 200 lb-in at output shaft. Brake coil can be connected directly across motor input terminals so that it releases when motor is operating and brake the motor when the power is deactivated. Optionally, brake can be removed by removal of two screws. Shaft: 17mm dia. x 1-3/4" long with 6mm wide straight key slot and key. Key runs almost the full shaft length. End of shaft tapped for an 8mm x 1.25mm pitch screw. Motor was designed to be mounted by clamping the gearbox body onto the tubular frame of the wheelchair. Gearbox body has a half round recess and three tapped holes. The recess appears to fit an approx. 1" dia. tube or other circular member. Clamp probably was shaped something like the shape of the recess in the gearbox body. Sorry, we do not have the clamps; but they should not be too hard to make if this mounting method needs to be used. Tapped holes are for 6mm x 1.0mm pitch screws and extend into the interior of the gearbox and should be plugged if not used to prevent entry of dirt or moisture. Output shaft is provided with a spring loaded sliding final reduction spur gear which can be slid out of mesh with the mating internal gear via a small lever located on the face of the gearbox allowing the output shaft to freewheel. These are ideal motors for robots or other mobile machines. Dimensions: 4-1/4" wide (excluding shaft) x 5-3/8" high x 12" long.

Right-hand Motor

Stock #DCGM2103RH

Set of Left-hand and Right-hand Motors

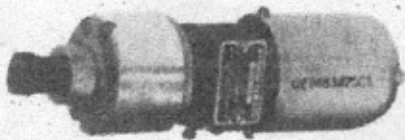
Stock #DCGM2103PR

\$



DC GEARHEAD MOTORS

MOTORS



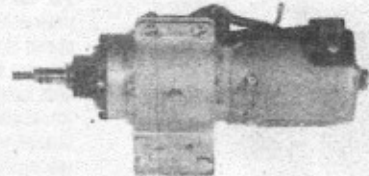
100 RPM DELCO. 27 VDC. Permanent magnet. Reversible. Governor controlled. Overall dimensions: 4-1/2" long x 1-3/8" dia., 1/4" shaft.

Stock #DCGM5012



145 RPM DELCO. 27 VDC. Permanent magnet. Reversible. Overall dimensions: 3-11/16" long x 1-3/8" dia. Shaft: 1/4" dia. with spline.

Stock #DCGM5020



200 RPM DELCO, #5070200. Reversible. 12 VDC @ 1 amp. Gear reduced motor, 200 rpm no load, 12 VDC @ 1 amp. Ball bearing motor, split field with brake. Overall dimensions: 1-3/8" dia. x 4-3/4" long. Shaft dimensions: 1/4" dia. x 3/4" long. (Top threaded for 8X32 nut.)

Stock #DCGM7505

120 RPM MINIATURE WORM GEAR MOTOR (PBT).

This is a DC permanent magnet, reversible motor. The motor has a built-in right angle worm gearbox. The unit has sleeve bearings. No-load speed is 230 rpm. No-load current is 0.22 amp. The motor rpm is 120 with a shaft torque load of 20 oz-in. At this load, the running current is 0.25 amp. The motor has a plastic snap-apart housing and plastic internal gearing. The shaft is steel and has an 11-tooth 1/4" pitch chain sprocket epoxied to it. The sprocket can be removed. With the sprocket removed the shaft dimensions are: 8mm dia. x 1/4" long. The end of the shaft has a shallow snap ring groove. The electrical connections are via a small two-pin connector which has 3-1/2" long leads attached. Dimensions: 2-5/16" wide x 1-1/2" high x 1-3/4" deep (including sprocket).

Stock #DCGM2202



145 RPM GENERAL ELECTRIC. 27 VDC, 0.7 amp, 14 oz-in torque, reversible shunt wound. Dimensions: 3-7/8" long x 1-3/8" dia. Shaft: 1/4" dia. w/spline.

Stock #DCGM5018

200 RPM

BUEHLER, #1.61.048.092. Rated 24 VDC, sleeve bearings. No load speed:

320 rpm @ 0.060 amp. With a 10 oz-in load, speed is 200 rpm @ 0.230 amp. Shaft: 5mm diameter x 9/16" long with a full length flat. 17-tooth plastic gear is pressed onto the shaft and is easily removed. Gear pitch approx. 3/32". Has 15" wire leads. Two mounting ears on the face of the gearhead. Dimen.: 1-27/64" dia x 2-1/16" long (excluding shaft). The width of the motor across the mounting ears is 2-9/64".

Stock #DCGM2303



160 RPM PITTMAN, #GM8513E411. Permanent magnet motor with gearhead. Reversible, has sleeve bearings. The motor is rated 24 VDC. Gearbox ratio is 31:1. No-load speed 250 rpm @ 0.188 amp. With a 50 oz-in load the speed is 160 rpm with a current draw of 0.80 amp. Shaft: 6mm dia. x 11/16" long. The front face of the gearhead has 3 tapped mounting holes. The thread size of the tapped holes is 3mm x 0.5mm. The motor has short solder pins on the rear for electrical input. Dimensions: 1-3/8" dia. x 3" long (excluding shaft).

Stock #DCGM2402

225 RPM

MOTOR TECHNOLOGY, #211A127. 24 VDC permanent magnet reversible. Ball bearings in motor and gearbox. No-load speed 230 rpm. No-load current 0.750 amp. With 100 oz-in load, shaft rpm is 225 and running current is 1.5 amp. Shaft: 1/2" dia. x 1-7/16" long with two flats running full length. Square front mounting flange with 1/4" dia. clear mounting holes in all corners. Motor has 18" long shielded Teflon® insulated leads. Dimensions: 2-3/4" sq. (across mounting flange) x 6" long (excluding shaft).

Stock #DCGM2302

\$79.50

135 RPM

COPAL, #LC37G-183VU. 12 VDC permanent magnet reversible. Sleeve bearings in motor and gearbox. No-load speed is 224 rpm. No-load current is 0.069 amp. With a 20 oz-in load, the shaft rpm is 135 and the running current is 0.3

amp. Shaft: 6mm dia. x 1-1/16" long with a full length flat. Semi-trapezoid front mounting flange with 1/8" dia. clear mounting holes in three corners. 5" long connecting wires. Dimensions: mounting flange is 1.9" wide and 1.650" high. Motor and gearbox have a diameter of 37mm. Overall length of motor and gearbox is 2" (excluding shaft).

Stock #DCGM2400



160 RPM DELCO. 27 VDC 0.65 amp, 14 oz-in torque. Instant braking action, reversible. Overall dimen.: 4-3/4" long x 1-1/2" dia. Shaft: 1/4" spline.

Stock #DCGM5023

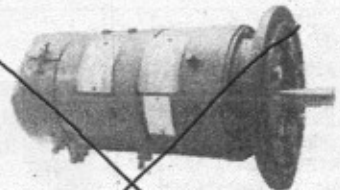
*RF

248 RPM

GENERAL ELECTRIC, #5BC48-JB32C. 1-1/2 hp 28 VDC @ 50 amps. Motor rpm 2400. Gear ratio 9.67:1. Series wound. Reversible. Intermittent duty. 60 minute max. cont. on time. Shaft dimensions: 7/8" dia. x 2-5/8" long with 3/16" keyway. Motor overall dimen.: 8-5/8" dia. x 16-1/2" long with 6-hole front mount 3-7/8" circular bolt pattern. Weight 70 lbs.

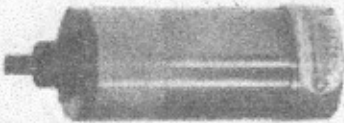
Stock #DCGM9300

\$150.09



DC GEARHEAD MOTORS

MOTORS



250 RPM GENERAL ELECTRIC, #5BA10AJ8. 27 VDC, 0.8 amp, 8 oz-in torque. Reversible. Dimensions: 3-7/8" long x 1-3/8" dia., 1/4" shaft.

Stock #DCGM5030

250 RPM GENERAL ELECTRIC, #5BA10AJ37. 27 VDC, shunt wound, 0.8 amp, reversible, 8 oz-in torque. Dimen.: 3-7/8" long x 1-3/8" dia., 1/4" spline shaft.

Stock #DCGM5031



250 RPM DELCO MOTOR, #5069600. 27 VDC. Permanent magnet. Reversible. 6 oz-in torque. Dimensions: 3-3/4" long x 1-3/8" dia., 1/4" spline shaft.

Stock #DCGM5027

250 RPM DELCO MOTOR, #5068820. Permanent magnet. 27 VDC. Reversible. 6 oz-in torque. Dimensions: 3-3/4" long x 1-3/8" dia., 1/4" spline shaft.

Stock #DCGM5028

250 RPM DELCO MOTOR, #5067127. 27 VDC. Permanent magnet. Reversible. 6 oz-in torque. Dimensions: 3-3/4" long x 1-3/8" dia., 1/4" shaft.

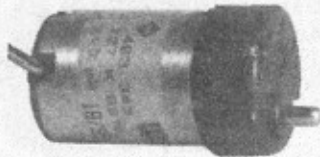
Stock #DCGM5029



300 RPM BARBER-COLMAN, #FYQF-63310-9. 12 VDC. Permanent magnet. Reversible. Continuous duty. Sleeve bearing. 470 rpm @ 0.140 amp no load speed. 300 rpm @ 25 oz-in torque 0.650 amp. 160 rpm @ 20 oz-in torque 0.850 amp. Dimensions: 1-3/8" dia. x 2-3/4" long. Offset shaft: 0.1875" dia. x 13/16" long. Face mount. Three tapped holes.

Stock #DCGM9902

Call or write for quantity price.



300 RPM SWF/ITT AUTOMOTIVE, #403.343-127K9. Rated 16 VDC. Permanent magnet, sleeve bearings. Reversible. 470 rpm @ 0.09 amp, no load speed. 300 rpm, with a 10 oz-in load @ 0.460 amp. Tested on 12 VDC the no load speed is 340 @ 0.08 amp. With a 10 oz-in load on 12 VDC the rpm is 160. Dimensions: 1-7/16" dia. x 2-1/2" long. Offset shaft: 5mm dia. x 5/16" long. Face mount with five tapped holes. Has 1-3/4" long wire leads.

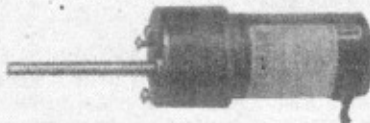
Stock #DCGM2150

325 RPM JAPAN SERVO, #DME60A26-1. 24 VDC permanent magnet, reversible. Ball bearing motor, sleeve bearings



on gearbox. Motor is rated 24 VDC. No load speed is 400 rpm @ 0.25 amp. With a 100 oz-in load the rpm is 325 and the current is 1.7 amps. Shaft: 8mm dia. x 1-1/4" long (8mm is very close to 5/16"). The shaft has a flat that is about 13/16" long. This motor is shipped with a 40-tooth 1/8" pitch plastic gear on the shaft. The gear is held in place by a snap ring and is easily removed. Front of gearbox has four 4mm x 0.7mm pitch mounting studs. The studs are 9/16" long. Dimensions: 4-1/8" wide x 2-3/4" high x 5-3/8" long (excluding shaft).

Stock #DCGM2152



425 RPM PITTMAN, #GM8712G595-R1. Permanent magnet motor with gearhead. Reversible, has sleeve bearings. The motor is rated 19.1 VDC. Gearbox ratio is 10:1. No-load speed 750 rpm @ 0.20 amp. With a 15 oz-in load the speed is 425 rpm with a current draw of 0.90 amp. Shaft: 3/16" dia. x 1-15/16" long. The shaft has a 0.075" dia. cross-drilled hole. The hole centerline is located approx. 19/32" from the end of the shaft. The front face of the gearhead has 3 tapped mounting holes. The thread size of the tapped holes is 4X40 tpi. The motor has 4" long flexible lead wires for electrical input. Dimen.: 1-3/8" dia. x 3" long (excluding shaft).

Stock #DCGM2053

28 RPM MOTOR/GEAR REDUCER

The motor used in this assembly is identical to the one listed above. This



unit has an additional worm gearbox and cable drum included with the motor. The worm gear has 30 teeth and the worm pinion has two starts. Gearbox ratio is 15:1. The worm output gear is mated to an aluminum cable drum. The drum has a slot that will accept a 0.045" dia. wire or miniature cable. The unit will work as a light duty winch or actuator. The unit will lift approx. 12 lbs. when running the motor at the rated input voltage of 19 VDC. The drum main dia. is 1-1/2". The outside dia. is 1-3/4". The gear set and the supporting bearings are plastic. The frame is steel and has four tab style mounting points. Dimensions: 2-1/2" wide x 2-1/8" high x 5" long.

Stock #DCGM2052

\$22.50



575 RPM GENERAL ELECTRIC. 27 VDC, 1.1 amps. Reversible. 5 oz-in torque. Motor equipped with 27 VDC clutch. Dimensions: 6" long x 1-7/8" dia., 1/4" spline shaft.

Stock #DCGM5039

*RFE



600 RPM ESCAP, #23D-21-216E-86. Precision Escap motor with gearbox. Motor has ball bearings. Gearbox has sleeve bearings. Gearbox ratio is 5.75:1 rated for operation on 12 VDC. No-load speed is 1050 rpm. No-load current is 25 mA. With a 6 oz-in load the rpm is 600. Current is 0.540 amp. Shaft: 5/32" dia. x 7/16" long. Shaft has a flat on one surface. Length of flat is 3/16". Motor has solder tab style ears for electrical connections. The face of the gearbox has three 2mm x 0.3mm tapped holes spaced 120 degrees apart. The bolt hole circle is 17mm dia. Dimensions: (body) 29/32" dia. x 3-5/32" long (excluding shaft).

Stock #DCGM9850

Please visit our C & H retail store. We are located at 2176 E. Colorado Blvd. in Pasadena, CA. Our store is open Monday through Friday, and from 10:00 AM until 6:00 PM on Saturday (11:00 AM - 6:00 PM on Sunday). We are not listed in the catalog. Our prices are from 8:30 AM on Monday through Friday, and from 10:00 AM until 6:00 PM on Saturday (11:00 AM - 6:00 PM on Sunday).