

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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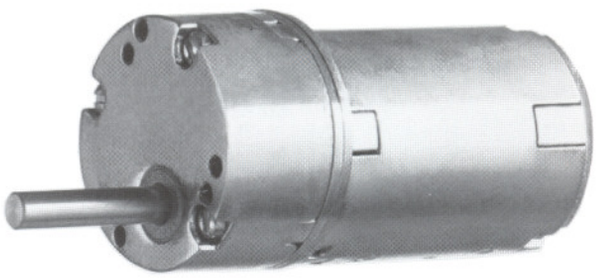
Type F

Gearhead Diameter: 1.38″ [35.1 mm]

Torque Rating: 10 lb-in [1.13 Nm] Max

Description

Type: Permanent magnet DC motor with gearhead
Drive Motors Available: EYQM
Gearhead: Die cast zinc, sintered bronze bearings
Voltage Range: 6 to 36 VDC
Output Shaft: Steel
Terminations: 22-gauge prebonded leads
Gears: Combinations of hobbed steel, powdered metal, and plastic as required to provide rated output torque
Gearmotor Weight (Max):
EYQF: 3.5 oz

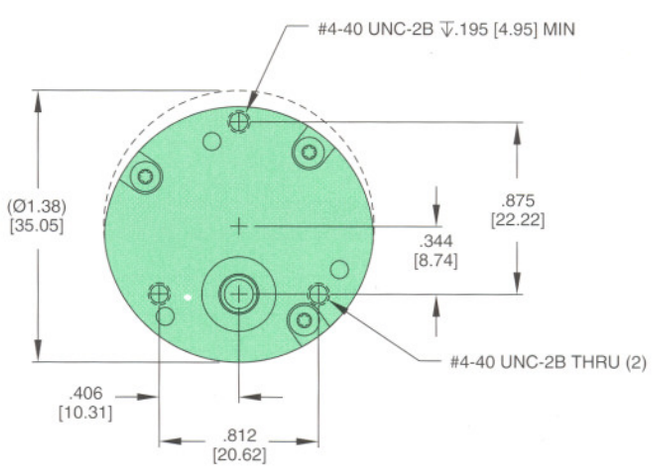


Typical Applications

- Agricultural Equipment
- Business/Office Equipment
- Communication
- Computer Peripherals
- Construction
- Document Handling Equipment
- Instrumentation
- Medical Equipment
- Robotics
- Vending Machines

Optional Features

- Custom Output Shafts
- Custom Pinions
- Custom Pulleys
- EMI Filters
- Helical First Step Gear
- Needle Bearings
- Optical Encoders / Magnetic Tachometers
- Various Lead Lengths, Terminals and Connectors
- Voltage Range:
  12 and 24 VDC standard
  6 to 36 VDC available



DIM. ARE IN INCHES [MILLIMETERS]	
UNSPECIFIED TOLERANCES	
.XXXX	±.0005
.XXX	±.005
.XX	±.010
ANG.	±2°

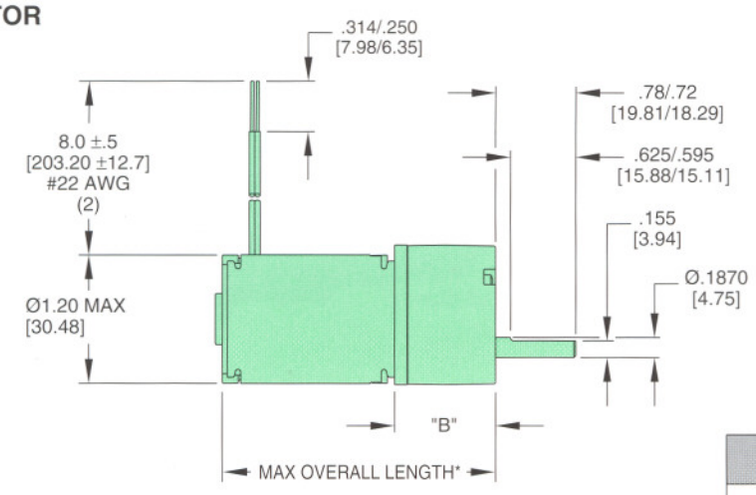
TYPE F GEARHEAD

COLMAN MOTOR PRODUCTS
Designed and Manufactured By
MERKLE-KORFF INDUSTRIES INC.
1776 Winthrop Drive, Des Plaines, IL 60018-1980
847/296-8888 FAX: 847/699-0832

Dimensions: Type F Gearmotors

TYPE EYQF GEARMOTOR

See pages 7, 8 for motor data



DIM. ARE IN INCHES [MILLIMETERS]
UNSPECIFIED TOLERANCES
.XXXX ±.0005
.XXX ±.005
.XX ±.010
ANG. ±2°

* For max overall length data refer to performance characteristics column.

STANDARD DUTY	DIM "B" IN INCHES [MILLIMETERS]
3-STEP	.744 [18.90]
4-STEP	.744 [18.90]
5-STEP	.944 [23.98]
6-STEP	.944 [23.98]

Performance Characteristics (typical)

TYPE EYQF GEARMOTORS – 12 Volts & 24 Volts

PRECISION DC GEARMOTORS

MODEL NO.	Max Overall Length	NO LOAD Speed (RPM)	NO LOAD Current (amps)	RATED FULL LOAD Speed (RPM)	Torque (oz-in)	Torque (lb-in)	Current (amps)	Po (mHp)	Po (watts)
12 VOLTS									
EYQF-33300-630	2.38	565.59	0.127	427.01	6.86	0.43	0.450	2.90	2.17
EYQF-33300-631	2.38	307.84	0.127	232.42	12.60	0.79	0.450	2.90	2.17
EYQF-33300-640	2.38	180.11	0.141	135.57	19.28	1.21	0.450	2.59	1.93
EYQF-33300-641	2.38	98.03	0.141	73.79	35.43	2.21	0.450	2.59	1.93
EYQF-33300-650	2.58	57.22	0.158	42.91	53.63	3.35	0.450	2.28	1.70
EYQF-33300-651	2.58	31.14	0.158	22.00	98.54	6.16	0.450	2.28	1.70
EYQF-33300-660	2.58	18.16	0.175	13.56	149.89	9.37	0.450	2.02	1.50
EYQF-33300-661	2.58	9.89	0.175	8.43	160.00	10.00	0.335	1.34	1.00
24 VOLTS									
EYQF-63600-730	2.68	461.15	0.068	375.33	7.71	0.48	0.230	2.87	2.14
EYQF-63600-731	2.68	251.00	0.068	204.29	14.17	0.89	0.230	2.87	2.14
EYQF-63600-740	2.68	147.12	0.076	119.53	21.70	1.36	0.230	2.57	1.92
EYQF-63600-741	2.68	80.07	0.076	65.06	39.86	2.49	0.230	2.57	1.92
EYQF-63600-750	2.88	46.84	0.085	37.98	60.34	3.77	0.230	2.27	1.70
EYQF-63600-751	2.88	25.50	0.085	20.67	110.86	6.93	0.230	2.27	1.70
EYQF-63600-760	2.88	14.91	0.094	12.20	160.00	10.00	0.223	1.94	1.44
EYQF-63600-761	2.88	8.11	0.094	7.31	160.00	10.00	0.164	1.16	0.87

NOTE: Bold faced model number digit directs attention to number of gear steps (example - EYQF-33300-6[3]0 = 3 steps).

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TECHNICAL SUPPORT/ ORDERING INFORMATION:
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Artisan Technology Group is an independent supplier of quality pre-owned equipment

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