

Type C Permanent Magnet DC Motor

Merkle-Korff offers high efficient Brushless DC Motors that are ideal for commercial food equipment, pump/valve, business equipment/automation, conveyor, pellet stove and medical automation applications.

Merkle-Korff's Brushless DC Motors feature brushless technology, ultra-quiet operation, long life, low RPM/high torque, integrated control, soft start/reversibility and high temperature/high contamination applications.



Features

- High efficiency
- Die cast zinc, sintered bronzed bearings

Specifications

DC Motor Ratings

- 6 – 36V DC
- 1500 – 4000 RPM
- 10-27 Ncm continuous torque

Optional features

- Custom output shafts
- Custom pinions/pulleys
- EMI filters
- Helical first step gear
- Needle bearings
- Optical encoder/magnetic tachometers
- Lead lengths, terminals and connectors

Applications

- Medical equipment
- Agricultural equipment
- Construction
- Document handling equipment
- Industrial controls/valves
- Robotics
- Vending machines

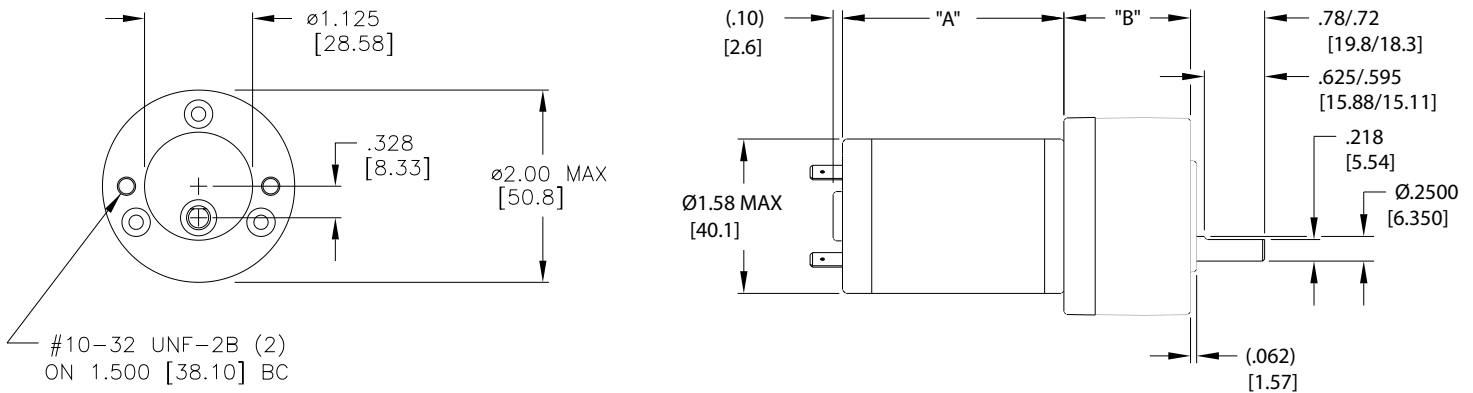


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A Kinetek Company®

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Dimensional diagram



Type C Gearmotor - Performance Data - 12 Volts

Motor no.	Max Overall Length	No Load		Rated Full Load					
		Speed (RMP)	Current (Amps)	Speed (RPM)	Torque (oz-in)	Torque (lb-in)	Current (Amps)	Po (mHp)	Po (Watts)
LYMC-62700-621	3.23	497	0.25	431	29.8	1.9	1.4	12.7	9.5
LYMC-62700-630	3.39	257	0.27	223	51.8	3.2	1.4	11.4	8.5
LYMC-62700-631	3.39	148	0.27	129	89.5	5.6	1.4	11.4	8.5
LYMC-62700-640	3.55	77.0	0.30	66.8	156	9.7	1.4	10.3	7.7
LYMC-62700-641	3.72	44.4	0.30	38.5	270	16.9	1.4	10.3	7.7
LYMC-62700-651	3.88	13.3	0.34	12.2	480	30.0	0.98	5.8	4.3
LYMC-62700-661	4.04	4.0	0.37	3.9	480	30.0	0.58	1.8	1.4

Type C Gearmotor - Performance Data - 24 Volts

Motor no.	Max Overall Length	No Load		Rated Full Load					
		Speed (RMP)	Current (Amps)	Speed (RPM)	Torque (oz-in)	Torque (lb-in)	Current (Amps)	Po (mHp)	Po (Watts)
LYMC-63000-721	3.23	516	0.12	438	32.3	2.0	0.80	14.0	10.5
LYMC-63000-730	3.39	267	0.14	226	56.1	3.5	0.80	12.6	9.4
LYMC-63000-731	3.39	154	0.14	131	97.0	6.1	0.80	12.6	9.4
LYMC-63000-740	3.55	80.0	0.15	67.8	169	10.5	0.80	11.3	8.5
LYMC-63000-741	3.72	46.1	0.15	39.1	292	18.3	0.80	11.3	8.5
LYMC-63000-751	3.88	13.8	0.17	12.6	480	30.0	0.52	6.0	4.5
LYMC-63000-761	4.04	4.1	0.19	4.0	480	30.0	0.30	1.9	1.4

