

Rugged Duty Actuator DC Motor Acme Screw Up to 1500 lbs. (680kg) Rated Load Up to 2.7 in. (68.58mm)/sec. Travel Speed



Shown with optional adjustable limit switch feature

The K2 is the base model in the B-Track family. It incorporates a patented in-line load transfer design which provides high load capability for rugged-duty use, efficient power use, compact package size, excellent corrosion and washdown protection, and high performance synthetic lubrication for life, all at an affordable price.

The K2 uses a solid bronze or Delrin[®] nut with a rolled hybrid screw yielding high impact capability and long screw life. Heavy-duty double-ended ball bearing motors, hardened gears, O-ring seals and an extension rod bearing system that provides best in class capabilities.

Now Available Optional Adjustable Limit Switch These easy to use adjustable switches are mounted in a channel on the cover tube with custom cap for protection. They are easily moved to enable the end-user the flexibility of setting the stroke length at any position within the full stroke capability. Just pop the cap off, loosen the set screw and slide the switch into the desired position.

Features

- Protective coatings and O-ring seals throughout
- Patented in-line load system
- Hybrid nut and screw design, no brake needed
- Ball detent overload clutch
- 2 to 24 inches (50 to 600mm) stroke lengths
- Up to 1500 pounds (680 kilograms) load capacities
- Speeds up to 2.7 inches (68.58 millimeters)/sec. travel
- Thermal overload incorporated into the motor
- Heavy wall construction
- Double ball bearing motors and heat treated gears
- Rugged extension rod bearing support
- Optional 90 vdc motor for use with SBC-AC control
- Custom mounting options available

Typical Applications

- Heavy duty platform and engine lifts
- Deck and implement lifts for tractors and mobile applications
- Wheelchair and scooter lifts
- Bin and tank cover lifts
- Flow gate open/close
- Table positioning

Load/Current/Speed/Duty Cycle

- Maximum Static Rating: 3000 lbs. (1360kg) Static (in-line load)
 - Refer to performance chart for load/current/speed capabilities
 - Stroke Length Tolerance: +/- .06" (1.52mm)
 - Motor is protected with auto reset breaker inside motor housing (temperature/current/time dependent)
 - Overload clutch setting: +25% over rated dynamic load
 - Duty cycle is time/temperature/load dependent, suggested guidelines are:
 - 50% max on-time/50% off-time for loads up to 50% of capability
 - 25% max on-time/75% off-time for loads between 50%-80% of capability
 - 10% max on-time/90% off-time for loads between 80%-100% of capability
- (Load/stroke profiles will allow some adjustment variation from these guidelines.)

Operating Environment

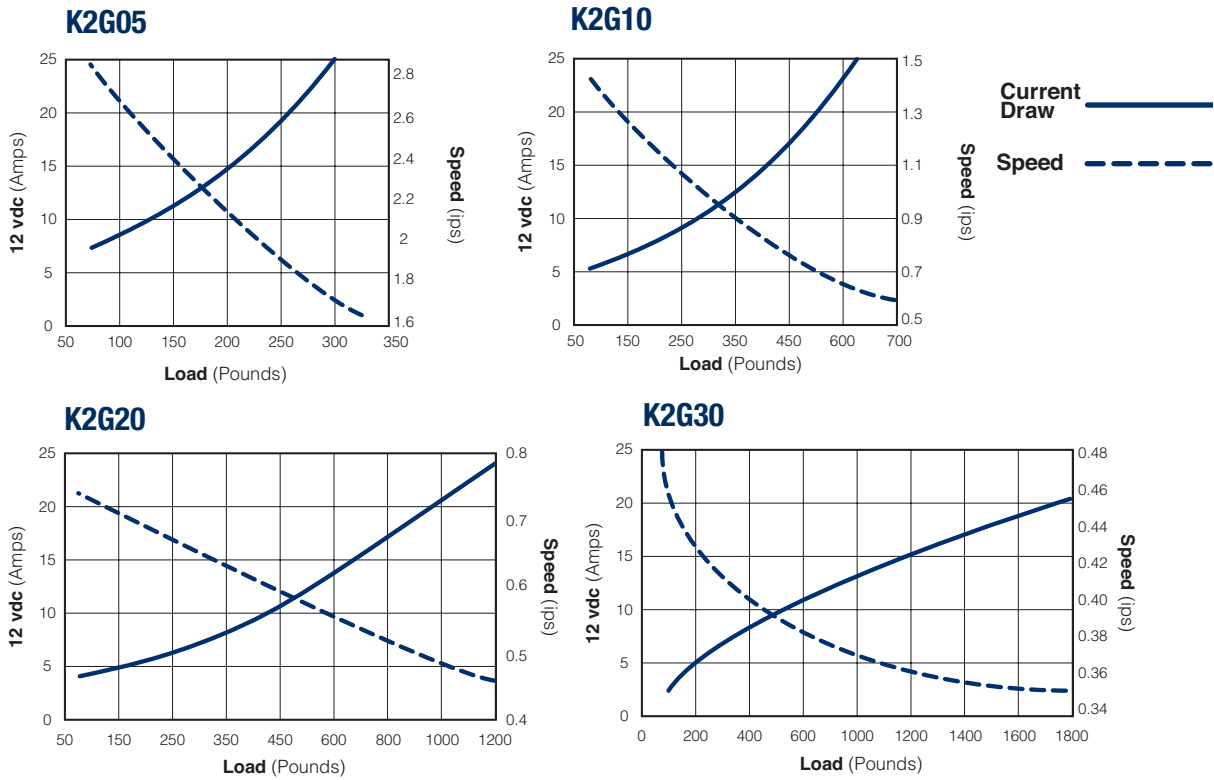
- Ambient temp range: -30°F to 140°F (-34°C to 60°C)
- Weather resistant enclosure & seals (IP 65 capable, 250 hour salt spray, 500 hour for paint)
- Normal operating voltage: 10-16 vdc (Ratings are at 12 vdc Normal.)

Control/Connections

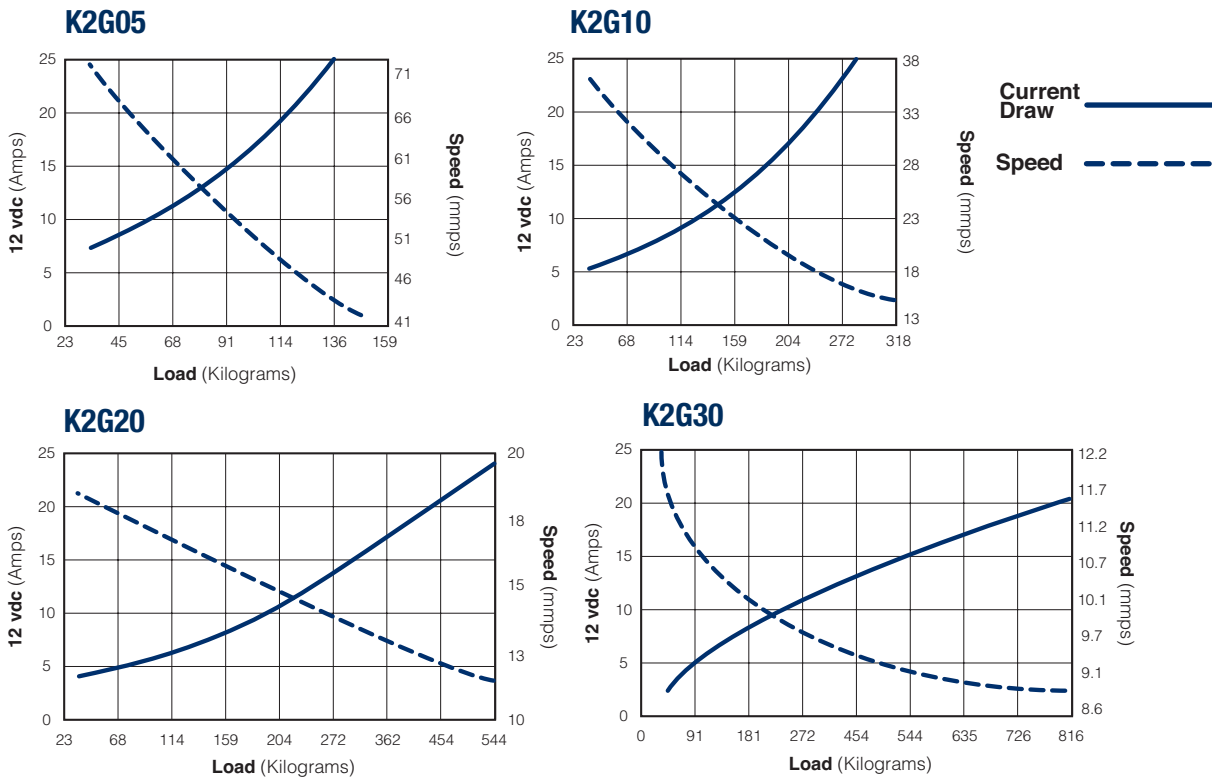
- 14 gauge stranded lead wires-UL style 1230 w/PVC insulation Class F 105°C
- Lead wires abrasion protected with braided covering
- Use momentary contact double pole/double throw switch in powering unit for extend/retract operation. (ON)-OFF-(ON) DPDT
- Connectors:
 - Packard 56 series or Delphi Weather-Pack
 - Packard 56 series with 56 series blades (#2984883 & #2962987)
 - Delphi Weather-Pack series (#121015792 & #12010973)

B-Track K2

Performance Curves Imperial



Performance Curves Metric



Dimensions

B-Track K2	Stroke	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
		2	50	4	100	6	150	8	200	10	254	12	300
	A	8.32	211	10.32	262	12.32	313	14.32	364	16.32	415	18.32	465
B	10.32	262	14.32	364	18.32	465	22.32	567	26.32	669	30.32	770	

Note: Special lengths available

B-Track K2	Stroke	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
		14	355	16	405	18	450	20	508	22	558	24	600
	A	20.32	516	22.32	567	24.32	618	29.32	745	31.32	796	33.32	846
B	34.32	872	38.32	973	42.32	1075	49.32	1253	53.32	1354	57.32	1456	

Note: Special lengths available

