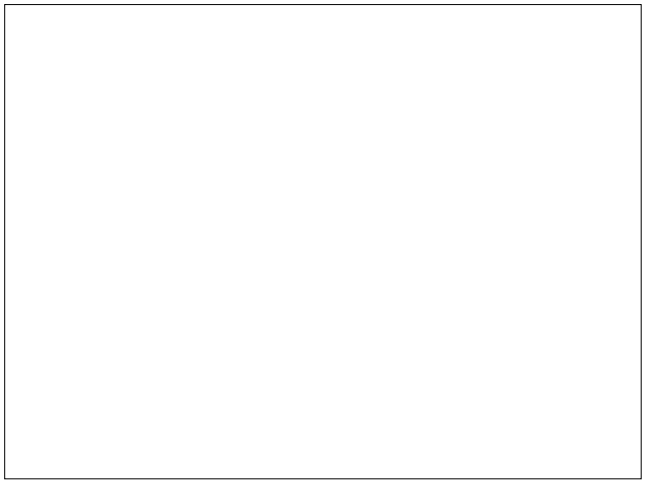
KOLLMORGEN®

Because Motion Matters™

Product Number:

N31HLLJ-LNK-NS-00



Interactive 3D graphic, click to activate and rotate.

POWERPAC Series

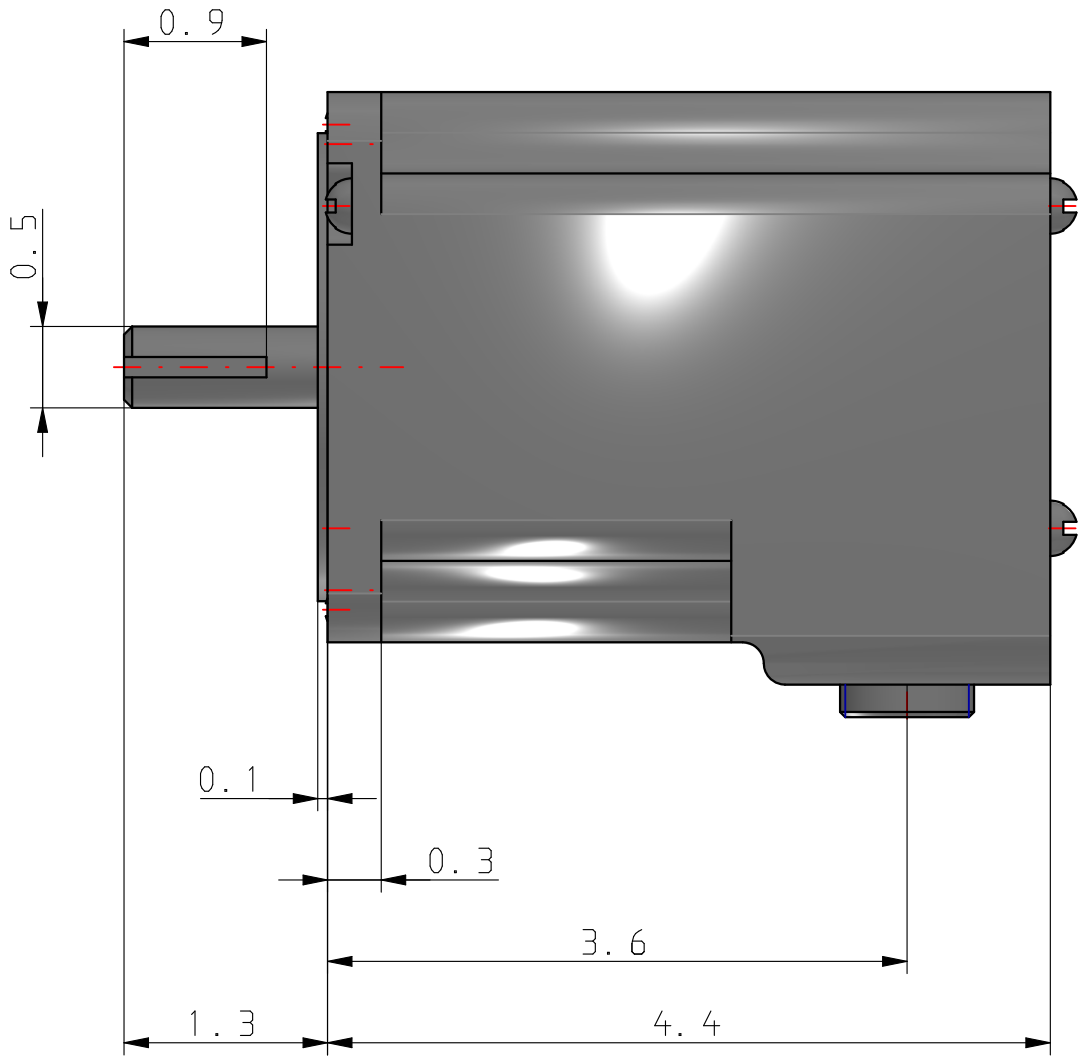
Part Number	N31HLLJ-LNK-NS-00
Basic Series	N = Standard
Size	3 = NEMA 34 frame size; 3.38" width / height, square frame
Number of Rotor Stacks	1 = 1 Stack
Mounting Configuration	H = Heavy Duty NEMA 34 (3.38 Inches Square)
Construction / Hookup	L = Terminal Board via 1/2" NPS Pipe Thread
Winding / Leads	L = 4 Lead Series Connected
Winding Type	J = J Winding
Rotor Type	L = Laminated
Shaft Configuration	N = Single
Shaft Modifications	K = Keyway - Straight
Encoder Option	NS = No feedback
Special Sequence	00 = Standard

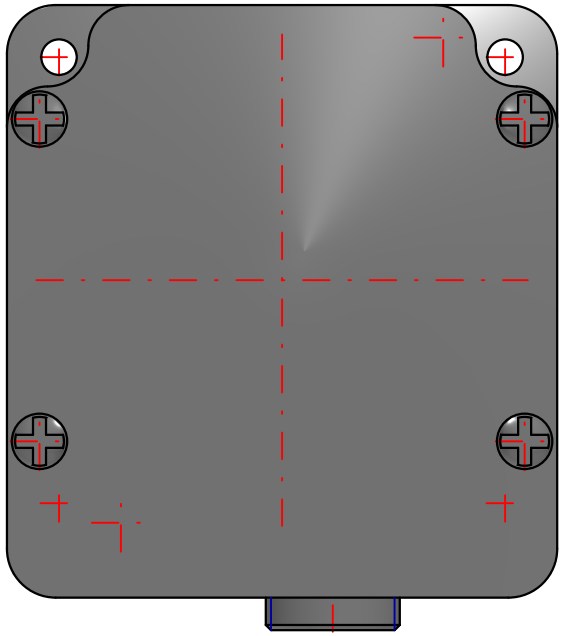
POWERPAC® hybrid stepper motors deliver more power in a smaller package. These rugged NEMA 34 and 42 (90 and 110 mm) motors combine optimal magnetics in a housingless frame with a large diameter rotor and innovative rotor-stator design to produce more torque and smoother microstepping. The K Series incorporates flux-focusing SIGMAX® technology for higher acceleration with 25 percent more torque.

POWERPAC Features:

- Wide range of standard options
- Affordable co-engineered modifications with a short lead time to meet unique application requirements
- N3 models, NEMA 34 (90 mm) motors are available in 4 stack lengths with torque ratings from 3.2 to 15.4 N-m (454 to 2,180 oz-in) nominal holding torque
- K3 models, NEMA 34 (90 mm) motors are available in 4 stack lengths with torque ratings from 4.08 to 19.7 N-m (578 to 2,790 oz-in) nominal holding torque
- N4 models, NEMA 42 (110 mm) motors are available in 3 stack lengths with torque ratings from 8.12 to 30.8 N-m (1,150 to 4,365 oz-in) nominal holding torque
- K4 models, NEMA 42 (110 mm) motors are available in 3 stack lengths with torque ratings from 10.4 to 40.3 N-m (1,470 to 5,700 oz-in) nominal holding torque
- Extensive selection of shaft configurations, terminations, windings and co-engineered modifications to suit your application needs, time frame and budget
- Speeds up to 3,000 rpm meet the velocity demands of most high-torque applications
- Improved torque linearity (above rated current) provides high peak torque to boost acceleration in intermittent-duty applications
- High torque at moderate speeds to enable a cost-effective alternative to servo motors
- Low detent torque harmonic provides smoother microstepping performance
- K Series incorporates SIGMAX® technology for 25% more torque than N Series
- Runs cooler than comparable steppers to provide longer, more reliable motor life
- Special rotor design enables high acceleration
- Rugged, “housingless” square frame means more torque in a smaller package
- IP65 sealing for splashproof protection
- Two-phase design is compatible with most drives and provides smoother microstepping and lower power

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Radford, VA 24141 USA
Phone: 1-540-633-3545
www.kollmorgen.com

Part Number:

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