

# Direct Drive Motor featuring ThinGap's Slotless Technology

Perfect for applications in Photonics, Semiconductor, Metrology, Medical Imaging, and Surgery where large through hole and smooth operation is paramount



- Complete assembly featuring ThinGap's LS Motor Kit paired with Absolute Encoder and Bearing Set
- Zero-Cogging and Linear Output for Precise and Smooth Motion
- Large Through-Hole, Low Profile and High Torque-to-Weight Ratio
- Suggested optimal drive electronics from AMC

TEST UNIT | TECH DEMONSTRATOR | RAPID PROTOTYPING | LOW-RATE PROGRAM

ThinGap's H-LSI 75-12 Direct Drive Motor Assembly is a Technology Demonstrator featuring its LS series of slotless motors. Most OEMs come to ThinGap in need of a motor kit, wanting to take advantage of the low profile, large aperture, and frameless architecture that is ideal for deep integration. Yet, the time and cost of engineering a direct drive assembly is not lost on program managers and developers who value an already available, fully-engineered solution.

Using a low profile 75mm-OD motor kit, the H-LSI 75-12 includes ThinGap's high-performance cogless motor, a precision bearing set, and a 20-bit absolute encoder. It demonstrates the superior performance of ThinGap's motor technology and offers customers a chance to purchase the part as a test unit, in support of rapid prototyping, or even for ongoing low-rate programs.

AMC's FlexPro® drive series is its latest family of digital drives designed for high power and small size.



[www.a-m-c.com/product/fe060-25-em/](http://www.a-m-c.com/product/fe060-25-em/)

ThinGap offers a wide range of Standard, Modified and Custom Products. Highly Engineered, Rapid Reaction and USA-made.

For over twenty years, ThinGap has been an Industry Leader in the design and manufacturing high performance frameless electric motor kits and generators. Please contact us.



ThinGap's LSI 75-12 Motor Kit  
75mm OD, 12 mm axial height  
0.27 N-m Cont. 1.1 N-m Peak

[www.thingap.com/standard-products/](http://www.thingap.com/standard-products/)

Absolute Encoder part number  
MB080DCC20MDNP00.

The bearings are made by  
Kaydon, the part number is  
KA025XP0 (not shown).



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