

# Vickers® by Danfoss ICMB Industrial Cam Lobe Motor

Wide displacement range - 15Ltr to 52.8Ltr



## Ultra-high torque, in a compact package

The Vickers by Danfoss ICMB Industrial Cam Lobe Motor is an ultra-high torque radial piston hydraulic motor in a compact package, engineered for maximum efficiency, durability, and reliability. Capable of delivering full torque from zero speed, the ICMB motor is available in a wide displacement range, from 15.1 to 52.8 liters/revolution. Its low moment of inertia and high power-to-weight ratio enable superior dynamic performance, and help prevent damage from unexpected slowdowns.

With an overall efficiency of 95% or higher, the ICMB motor offers lower operational and maintenance costs by reducing heat and extending component life. Installation is flexible, with options for a hollow shaft, a splined internal bore, and either torque-arm or flange mounting. The torque-arm mounting simplifies installation by eliminating the need for additional couplings, flanges, or bedplates. Danfoss supports the ICMB motor with deep application expertise, offering complete rotary drive systems that are optimized and tailored to specific applications such as drills, conveyors, crushers, and kiln drives.

Send inquiries to [industrialpumpsupport@danfoss.com](mailto:industrialpumpsupport@danfoss.com)

### Features

- **High-torque performance:** Delivers ultra-high torque, with the ability to provide full torque from a standstill
- **Compact design:** Features a high power-to-weight ratio and low moment of inertia in a compact package, making it ideal for space-constrained applications
- **Superior efficiency:** Achieves a total efficiency of 95% or higher, leading to lower operational costs and reduced heat generation
- **Durable and reliable:** Engineered for maximum durability and reliability in demanding applications including drills, conveyors, crushers, shredders, and kiln drives..
- **Flexible installation:** Offers multiple mounting options, including a hollow shaft with shrink disc coupling, a splined internal bore, and torque-arm or flange mounting to suit various installations.
- **System integration:** Can be combined with Danfoss power units and other components to create a complete, optimized rotary drive system.

### Specifications

- Technology: Radial piston
- Displacement: 15Ltr to 52.8Ltr
- Specific torque: 240 - 840 Nm/bar\*
- Rated speed: 21 - 94 rpm\*

\*Varies by displacement

### Markets/Applications

- Marine
- Mining
- Drilling machines
- Pulp and paper
- Recycling machinery
- Primary metals
- Winches