

## Motor Specification Sheet

- **Market Challenge**
  - Reliable performance to handle today's high torque output motors.
  - Improve bit hydraulics by eliminating bearing flow bypass, delivering 100% flow to the drill bit.
- **LDT Motors**
  - The LDT oil sealed bearing assembly provides a step-change increase in performance.
  - The LDT allows 100% flow to bit for improved hydraulics and is rated for all high torque output motors.
- **Product Advantages**
  - 100% flow to bit, maximized bit hydraulics, hole cleaning capacity and highest ROP.
  - No bearing flow restrictors, eliminates a wear component from typical bearing designs.
  - Oil sealed reservoir rated to 300 circulating hours of service.
- **Value To The Customer**
  - Highest motor drilling performance with 100% mud or air usage for drilling.
  - Motor fleet flexibility, **LDT MOTORS** rated for conventional and high performance motors.
  - Improved reliability with rugged design and minimized wear components.

### Technical Specifications

Size (in)	Flow Range (GPM)	Speed Range (RPM)	Max Diff Pressure (psi)	Max Torque (ft.lbs)	Max Stall Pressure (psi)	Max Stall Torque (ft.lbs)
4.75	100-300	100-646	3,056	7,000	4,889	11,000
5.00	100-350	100-1150	3,056	9,500	6,640	11,000
6.75	300-600	228-457	1,495	19,000	4,110	52,000
8.00	300-900	77-231	1,495	30,000	3,450	78,000
9.63	600-1200	287-574	1,214	40,000	1,943	108,000
11.25	1000-1800	117-175	533	45,000	852	89,000

\*Note: These values do not account for dynamic effects downhole



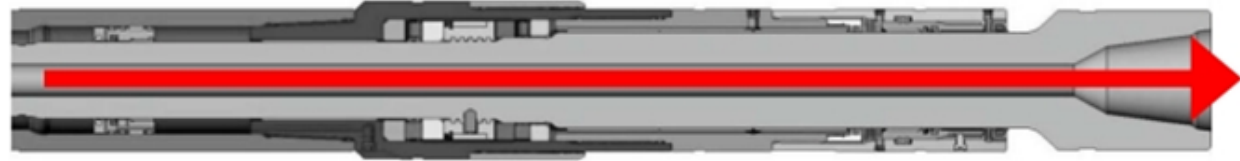
#### SERVICES AVAILABLE

- Technical Support
- Servicing
- Repair & Maintenance
- Application Support

#### Contact us

4810 93 Street NW,  
Edmonton, Alberta T6E 5M4  
Canada  
Main Office: +1 (587) 327-6227  
support@leadingtechs.ca

# *LDT Sealed Motor Assembly*



100% flow to bit = Maximized bit hydraulics = Increased ROP

100% flow to bit = No bearing flow restrictors = Eliminated wear component

## ➤ LDT Motors Applications

- Aggressive PDC drilling
- Roller cone drilling with high WOB
- Air Drilling applications
- All types of drilling fluids
- Motor run above Rotary Steerable System
- Vertical drilling
- Horizontal drilling
- Performance drilling

## ➤ Features and Benefits

- All components are compatible with all available Power Sections in the market allowing maximum torque to be applied to the bit
- Maximum power and flow input to bit delivers highest ROP
- Proven motor bearing design

## ➤ Wide Range of Availability

- Sizes available from 4.75" to 11.1/4"
- Higher weight-on-bit (WOB) capacity
- Superior performance for aggressive drilling applications and conditions

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*\*Ask us about our Mud Lub Motor options*