DATA SHEET

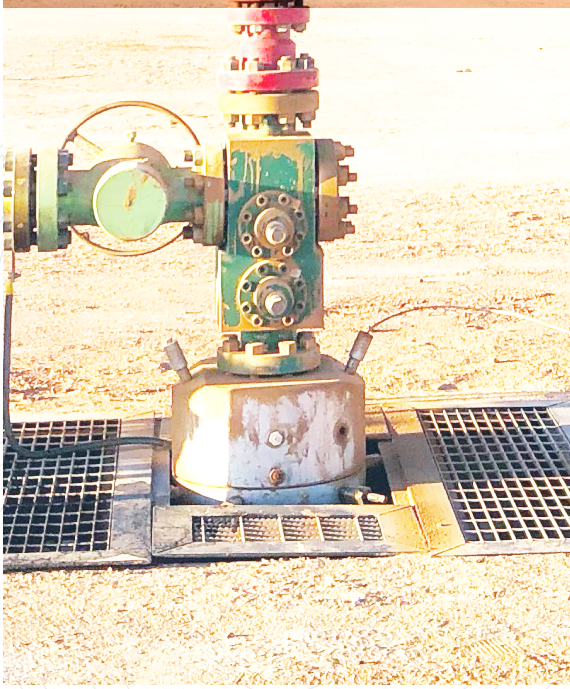
LUFKIN DRIVEHEADS

Lufkin driveheads are the industry's most robust drivehead line for powering rod-driven progressing cavity pumping (RDPCP) systems. When matched with a Lufkin PCP pump, these systems can address a myriad of challenging down-hole environments.

The Lufkin system includes drivehead equipment options to suit a wide variety of applications with drive requirements from 10 to 300 horsepower. Lufkin manufactures its driveheads in-house to exacting standards, and the rugged durability of the driveheads makes them applicable in severe environments, including cold weather and desert conditions. In fact, all driveheads receive the same marine-quality coatings used to protect the equipment in offshore applications.

Lufkin has designed all of its driveheads to internalize as many of the vital components as possible to reduce the potential for damage during installation or maintenance operations. This also protects the drivehead from external environmental conditions that can prematurely age exposed equipment. RDPCP systems are suitable for conventional oil and gas applications, waterflood source wells, and coal-bed methane dewatering operations. For more information, contact your local Lufkin representative.





FEATURES & BENEFITS

FEATURES	BENEFITS
Hollow shaft design	Allows easy field installation and flush-by operations
Standpipe vs. standard oil seal design	Enhanced environmental protection
Integral hydraulic automatic backspin control	Safely dissipates system energy
Self-regulated braking system	Eliminates need for manual adjustments
Mechanical and conventional seal options	Allows for operator flexibility and interchangeability
Accepts 1.25″ or 1.5″ polished rods	Provides the flexibility of different polished rods based on the system torsional load
Hinged and removable belt guards	Easy system maintenance
Tachometer	Eliminates safety concerns and improves ease of operation
Injectable packing capable	Simple maintenance without loss of production
Removable stuffing box	Ease of operation and safety
Through tubing conveyed deployment system	Lower operating expenses
Anti-corrosion coating	Flexibility under a variety of environmental conditions

LUFKIN

DRIVEHEAD SPECIFICATIONS

	LT-30E	LT-50E	LT-100E	LT-DE
Power Rating (hp)	30	50	100	300
Thrust Bearing Rating (lbf at 90M rev Ca90)	33,400	41,000	50,300	80,400
Optional Thrust Bearing Axial Load (lbf)	n/a	n/a	80,400	93,800
Maximum Shaft Speed (rpm)	600	600	600	600
Maximum Allowable Torque (ft-lbs)	525	875	1425	2850
Belt Guard	Fully enclosed, hinged	Fully enclosed, hinged	Fully enclosed, hinged	Fully enclosed, dual hinged
Polished Rod Size (in)	1.25	1.25 or 1.50	1.25 or 1.50	1.50
Maximum Motor Size (hp)	30	50	100	2 × 150 (300)
Wellhead Connection	3-1/8, 3000# Flange or 2.88-8 EUE Box	3-1/8, 3000# Flange or 2.88-8 EUE Box	3-1/8, 3000# Flange or 2.88-8 EUE Box	3-1/8, 3000# Flange or 5-1/8, 2000# Flange
Max Driven Sheave (OD × belt type × groove qty)	24 × 5V × 5	31.5 × 5V × 5	31.5 × 5V × 5	31.5 × 5V × 10
Overall Height (in)	48	51	53	55
Weight (lb)	700	900	1500	1800
BRAKING SYSTEM				
Recoil Control System	Hydraulic Vane Pump	Hydraulic Vane Pump	Hydraulic Gear Pump	Hydraulic Gear Pump
OPTIONAL EQUIPMENT				
Rotary Seal Unit (RSU)	Available	Available	Available	Available
Injectable Packing Unit	Available	Available	Available	Available
Tachometer	Available	Available	Available	Available