

M-30 Electric Drivehead Gen II



M-30 Electric Drivehead - Gen II

The new Generation II of the M-30 drivehead brings a 60% increase to the thrust bearing rating and a 75% increase to the temperature rating. Our lowest horsepower model, it is designed as an economical option for coalbed methane and other low horsepower applications. As part of our commitment to safety, all of our direct drives have a fully enclosed and hinged belt guard and each drive is tested and inspected before leaving our facility.

We provide a complete line of artificial lift technologies and oilfield equipment around the globe. Our entire line of direct driveheads are specifically designed for use with progressing cavity pumping systems.

Features and Benefits

- Robust frame
- Hollow shaft bearing box
- Detachable stuffing box
- Hydraulically actuated disc brake
- Operator-friendly guards and motor adjustments
- Easy-to-adjust door for simple belt tightening
- Accessible fill/drain spouts for easy oil changes
- Service and technical support

Options

- Hydraulic motor
- Leak free stuffing box
- Rope style stuffing box
- Jampak stuffing box

Accessories

- Ejection clamp
- Polished rod guard
- Booth guard



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Specifications

General	
Drive Type/Style	Direct
Shaft Type	Hollow
Drive Style	Bearing Box
Input Style	Vertical
Drive Ratio	1:1
Backspin Control	Caliper Disc
Ratings	
Max. Output Torque	600 ft-lbs (813 Nm)
Thrust Bearing	150,620 ISO lbf
Thrust Bearing*	39,000 Ca90 lbf
Maximum Speed	500 rpm
Horsepower Rating**	10 to 30
Frame Type	Single
NEMA	213T, 215T, 254T, 256T, 284T, 286T, 324T, 326T
IEC	132S, 132M, 160M, 160L, 180M, 180L, 200M, 200L
Polish Rod Size	1 1/4 (32 mm)
Max. Operating Temp.	285° F/140° C

* Ca load rating is for 90 million revolutions. Reducing load one half increases life 10 times. Reducing rpm by one half doubles hours of life.

** Maximum HP rating based on frames size only. Care must be taken in selecting motor and sheave combinations to ensure input rod torque is not exceeded.

Dimensions (excluding motor)	
Height w/Retro Stuffing Box	34" (864 mm)
Height w/Integral Stuffing Box	n/a
Width	30" (762 mm)
Input Shaft Size	2 1/2" (64 mm)
Weight	600 lbs (272 kg)
Other Data	
API Wellhead Connection	2 7/8" EUE Pin
	3 1/8" – 3000 psi R31
	4 1/16" – 3000 psi R37 Flange
	5 1/8" – 2000 psi R41 Flange
	5 1/8" – 3000 psi R41 Flange
Prime Mover	Electric or Hydraulic
DriveN Sheave Max. Dia. ¹	24" (610 mm)
DriveN Sheave Max. Dia. ^{1,2}	12" (305 mm)
DriveN Sheave Min. Dia. ²	Depends on Motor Size
Drive Center to Motor Mount	12.4" (315 mm)

¹ Sheave dia. based on C-groove belts. Values may change when other styles of belts are used.

² Consult motor manufacturer

Caliper Disc Braking System

The disc braking system on the M-30 employs a hydraulic motor coupled to the drive by a synchronous belt, which supplies pressurized oil to activate the brake caliper during backspin.

The caliper is easy to adjust and the brake pads can be changed in the field.

