


PCM DRIVER™ CD-100

THE SURFACE DRIVE SOLUTION FOR YOUR
PCP OPERATIONS

keep it moving 



CD-100

Designed with the latest technology to ensure full compliance with Oil and Gas standards, **PCM Driver™** driveheads are safe and reliable surface drive solutions specifically engineered for long life in all your PCP operations.

The design and qualification of **PCM Driver™** driveheads comply with ISO 15136-2-Surface Drive System requirements.

The **PCM Driver™ CD-100** is a cost-effective full life cycle solution to perform with all your power requirements up to **100 HP**.

The CD-100 is available with your choice of two different thrust bearings, standard and Heavy Duty (HD), to meet your application requirements.

» BENEFITS

- Fully internal brake system
- Patented environmental **PCM EcoSeal** Stuffing Box
- Rotating parts fully covered
- Low maintenance requirements
- Associated service and technical support



PCM

Artificial Lift Solutions

SAFETY

Belt guard:

- Compact and durable, all rotating parts fully protected

Fully internal brake system:

- Efficient backspin control
- Adjustable brake sensitivity

Anti-ejection system available for polished rod clamp.

ATEX certification is available.

LOW MAINTENANCE REQUIREMENT

Only maintenance required is regular visual inspection, seal greasing, and oil changes.

PCM EcoSeal Stuffing Box – Patented environmental integral rotating sealing system

- Redundant seals
- No seepage
- Long life



FIRST CLASS SERVICE

- PCM Service team available worldwide to support customer
- Dedicated PCP team will support customer regarding any queries or issues faced with our PCM Driver™.

SPECIFICATIONS

Drive mode	Belt and pulleys driven
Max driven sheave	31.5" (800 mm)
Ambient conditions	-40°F to 105°F (-40°C to +40°C)**
Braking system	Internal gear pump with adjustable control valve
Max speed	500 RPM
Max Torque	2 098 ft. lb. (or 2 845 N.m)
Sealing system	PCM EcoSeal Stuffing Box
Max. produced fluid Temperature	390°F (200°C)
Max. produced fluid Pressure	Dynamic: 500 PSI (35 Bar)* Static: 2 000 PSI (138 Bar)*
Shaft type	Hollow shaft
PR diameter	1"1/4 (31.75 mm) or 1"1/2 (38.10 mm)
API Wellhead	Flanged 3" 1/8 3M R31 or 4" 1/16 3M R37 or 5" 1/8 3M R41
Bearing dynamic axial load rating (Ca, ISO 281)	CD-100: 238 300 lb (1060 kN) CD-100 (HD): 283 300 lb (1260 kN)
Bearing dynamic axial load rating (Ca90)	CD-100: 61 800 lb (275 kN) CD-100 (HD): 73 500 lb (327 kN)
Bearing load for L10 life of 25 000 hours at 500 RPM	CD-100: 14.8 T CD-100 (HD): 17.6 T
Prime mover	Electric motor NEMA or IEC
Max. Motor HP	100 HP (75 kW)
Max. noise level	< 70 dB
Total Weight	1 200 lb (545 kg)
Dimensions	60.7" x 33.1" x 47.6" (1.54 x 0.84 x 1.21 m)

* Higher dynamic pressure (1 000 psi (69 bar), or possibly higher) may be possible depending on conditions. Contact PCM for an engineering assessment if this is required. The static pressure rating is valid for 30 seconds with the fluid temperature below 100°C.

** Ambient temperatures outside this range are possible under certain conditions. Contact PCM for an application review.

For further information, please contact your PCM local representative:

www.pcmals.com