



PCM Drivehead PM-100

THE SURFACE DRIVE SOLUTION FOR YOUR PCP OPERATIONS

PERMANENT MAGNETIC MOTOR DIRECT DRIVEHEAD

PM-100

PCM propose a direct permanent magnet motor drivehead specially designed for drive Progressive cavity pumps.

It is lighter, safer, quieter, more energy efficient than any other top drive motor on the market. Simply designed to include minimal components, the **PM-100** eliminate sheaves, gearbox, frames and pumps.

The **PM-100** is an innovative drivehead solution conceived to reduce significantly your OPEX and ensure safe operations.

KEY FEATURES AND BENEFITS

- High efficiency
- Low maintenance requirements
- Failsafe resistive braking system
- Light and easy to install





PM-100

INNOVATION FOR LOW OPEX

Energy saver:

- Reduction of energy consumption from 10-20%

Maintenance free:

- Failsafe resisting braking system

Light and easy to install

No sheaves or gearboxes

Constant torque:

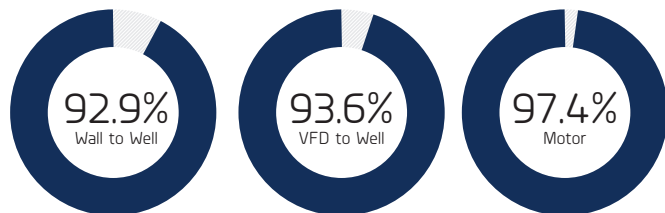
- Provide 1000 ft-lb at 500 RPM

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 Drivehead

Motor specifications:

II 3 G Ex nA IIC T4 Gc T_{amb} = -40°C to +40°C



SPECIFICATIONS

Motor Type	Permanent Magnetic motor (PMM) Direct 1:1 ratio (gearless)
Control Panel	Specific VFD YASKAWA
Ambient conditions	-40°F to 104°F (-40°C to +40°C)
Braking system	Integrated resistive braking through VFD
Rated speed	30- 500 RPM
Rated Power	74,8 kW
Max Torque	1000 ft-lb (or 1355 N.m) Continuous
PR diameter	1-1/4" (31.75mm)
Insulation class	Insulation system class H (180°C)
API Wellhead	Flanged 3-1/8" 3000 lbs other size could be provided
Sealing technology	Stuffing box or No Leak
Thrust Bearing	25 126 lbs (11,4T) L10 @ 25.000 h @ 500 rpm / full charge
Ca90	47 500 lbs (211kN)
Voltage	460VAC 3 phases
Full load current	100 A
Motor weight	590kg
VFD weight	300kg

MOTOR TORQUE VS RPM

