

PCM Moineau™ 310E800

| Performance | SI | US |
|----------------------------|--------------------------------------|----------------------|
| Nominal displacement | 3.10 m ³ /d/rpm | 19.50 bpd/rpm |
| Pressure rating | 80 bars / 8000 kPa | 1200 psi |
| Pressure per cavity | 6.7 bars / 670 kPa | 100 psi |
| Number of engaged cavities | 12 | |
| Minimum/maximum speed | 50/500 rpm, depending on application | |
| ISO 15136-1 compliance | V3/Q3 - Higher grade upon request | |
| Helix angle | 70.4° | |
| Cavity flow area | 2600 mm ² | 4.03 in ² |

| Stator Specifications | Standard | |
|--|-----------------------|----------|
| | SI | US |
| Top connection (API nominal size) | 5" (127.0 mm) STC Pin | |
| Bottom connection (API nominal size) | 5" (127.0 mm) STC Pin | |
| Body outside diameter | 138.0 mm | 5.43" |
| Maximum outside diameter | 141.3 mm | 5.56" |
| Maximum outside diameter if special clearance couplings are used | N/A | N/A |
| Length | 11.33 m | 37' 1.9" |
| Weight | 500 kg | 1102 lb |
| Number of elements | 4 | |
| Top bushing or tag bar | Available | |
| Notes | | |

| Rotor Specifications | SI | US |
|--|-------------------------------|--------------|
| Top connection (nominal size) | 1 1/8" (28.6 mm) Mod. API Pin | |
| Total length | 11.86 m | 38' 10.9" |
| Helix length | 11.63 m | 38' 1.9" |
| Weight | 183 kg | 403 lb |
| Minor diameter | 50.0 mm | 1.969" |
| Major diameter | 76.0 mm | 2.992" |
| Head diameter | 57.5 mm | 2.264" |
| * Maximum OD with full size coupling | 72.6-77.3 mm | 2.860-3.044" |
| * Maximum OD with slimhole coupling | 72.6-77.3 mm | 2.860-3.044" |
| * Orbit diameter with full size coupling | 98.6-103.3 mm | 3.883-4.067" |
| * Orbit diameter with slimhole coupling | 98.6-103.3 mm | 3.883-4.067" |
| Coating type | Chromium | |
| Coating thickness | Information upon request | |
| This pump is available with (optional): | Paddle rotor | |



| Completion Considerations |
|--|
| <i>Stator maximum OD must be less than casing drift diameter (some extra clearance is recommended)</i> |
| <i>Rotor maximum OD must be less than tubing drift diameter</i> |
| <i>Rotor orbit diameter must be less than pup joint drift diameter</i> |

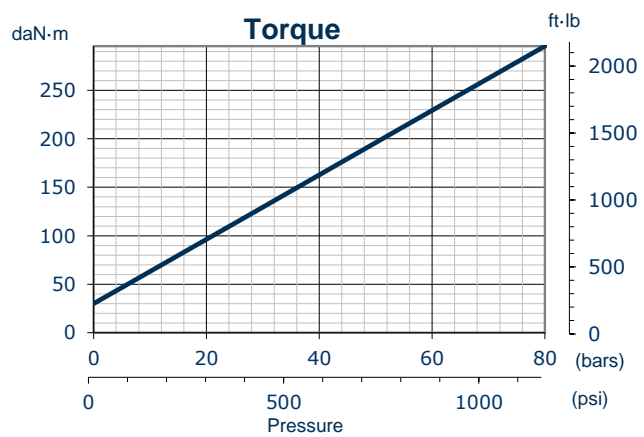
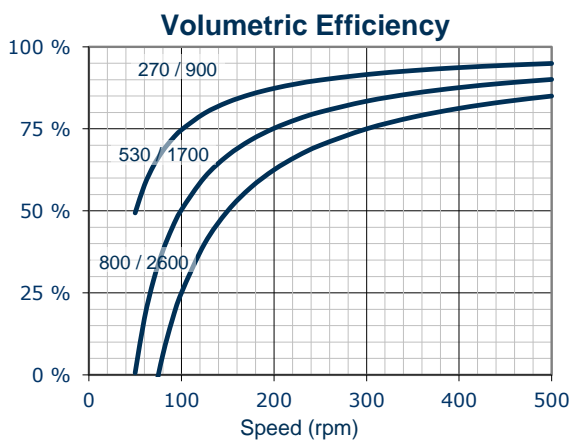
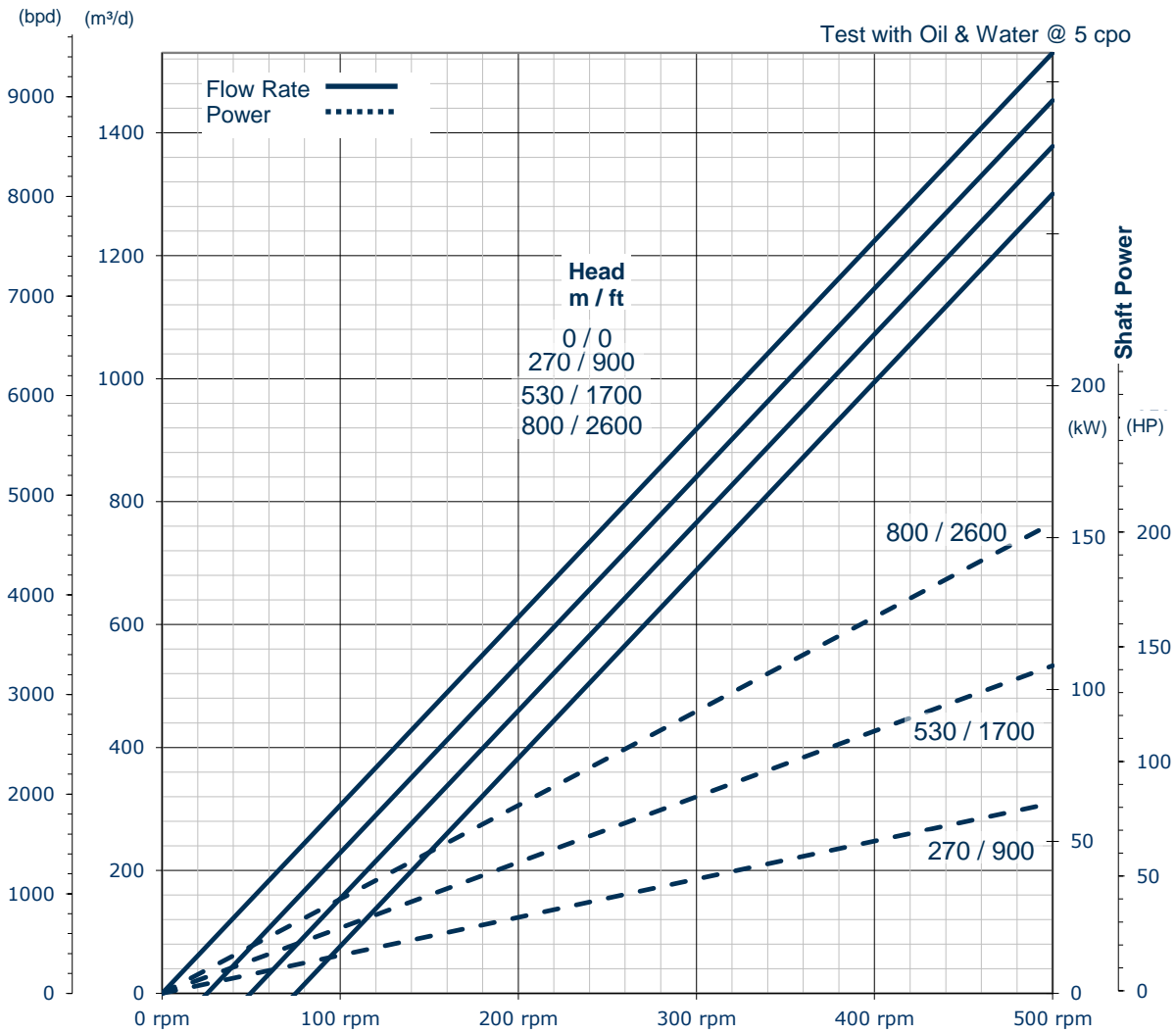
* Depending on rotor fit

Contact your PCM representative for an operator's manual

Top and bottom stator connections can be customized as required (pin/pin, box/box, etc., or changes in size in some cases)

With a paddle rotor, the rotor length is extended by 600 mm (2 ft). Contact PCM for further details.

This is not a contractual document. PCM reserves the right to make changes at any time.



The flow rate chart is calculated using the validated displacement for this pump.

Revision Number 1-1-1 (2022/01/19)