

PCM Moineau™ 80E900

| Performance | SI | US |
|----------------------------|--------------------------------------|----------------------|
| Nominal displacement | 0.80 m ³ /d/rpm | 5.03 bpd/rpm |
| Pressure rating | 90 bars / 9000 kPa | 1300 psi |
| Pressure per cavity | 6.4 bars / 640 kPa | 90 psi |
| Number of engaged cavities | 14 | |
| Minimum/maximum speed | 50/500 rpm, depending on application | |
| ISO 15136-1 compliance | V3/Q3 - Higher grade upon request | |
| Helix angle | 58.4° | |
| Cavity flow area | 1444 mm ² | 2.24 in ² |

| Stator Specifications | Standard | | Flush | | Slim | |
|--|-----------------------|-----------|---------------------------|-----------|---------------------------|-----------|
| | SI | US | SI | US | SI | US |
| Top connection (API nominal size) | 4" (101.6 mm) NUE Pin | | 3½" (88.9 mm) EUE Box | | 3½" (88.9 mm) EUE Box | |
| Bottom connection (API nominal size) | 4" (101.6 mm) NUE Pin | | 3½" (88.9 mm) EUE Pin | | 3½" (88.9 mm) EUE Pin | |
| Body outside diameter | 109.0 mm | 4.29" | 109.0 mm | 4.29" | 101.0 mm | 3.98" |
| Maximum outside diameter | 120.7 mm | 4.75" | 114.3 mm | 4.50" | 114.3 mm | 4.50" |
| Maximum outside diameter if special clearance couplings are used | N/A | N/A | 109.0 mm | 4.29" | 106.2 mm | 4.18" |
| Length | 5.76 m | 18' 10.9" | 7.59 m | 24' 10.9" | 7.59 m | 24' 10.9" |
| Weight | 180 kg | 397 lb | 201 kg | 444 lb | 123 kg | 272 lb |
| Number of elements | 2 | | 2 | | 2 | |
| Top bushing or tag bar | Available | | Available | | Available | |
| Notes | | | Includes 6.0 ft pup joint | | Includes 6.0 ft pup joint | |

| Rotor Specifications | SI | US |
|---|--------------------------|--------------|
| Top connection (nominal size) | 1½" (28.6 mm) API Pin | |
| Total length | 6.29 m | 20' 7.6" |
| Helix length | 6.07 m | 19' 11.0" |
| Weight | 56 kg | 123 lb |
| Minor diameter | 38.0 mm | 1.496" |
| Major diameter | 57.0 mm | 2.244" |
| Head diameter | 57.5 mm | 2.264" |
| Maximum OD with full size coupling | 60.3 mm | 2.375" |
| * Maximum OD with slimhole coupling | 57.5-58.9 mm | 2.264-2.319" |
| Orbit diameter with full size coupling | 79.3 mm | 3.123" |
| * Orbit diameter with slimhole coupling | 76.5-77.9 mm | 3.012-3.067" |
| 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> |

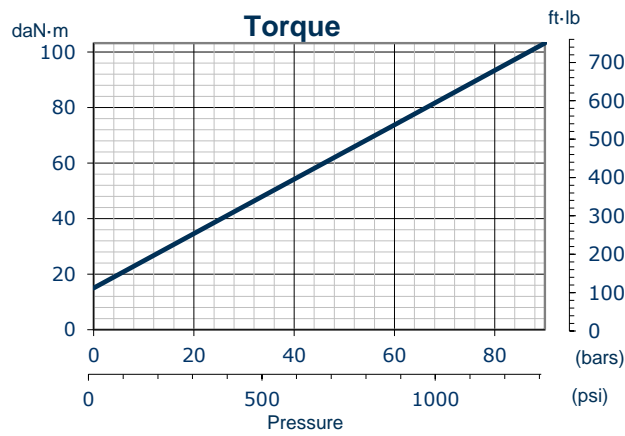
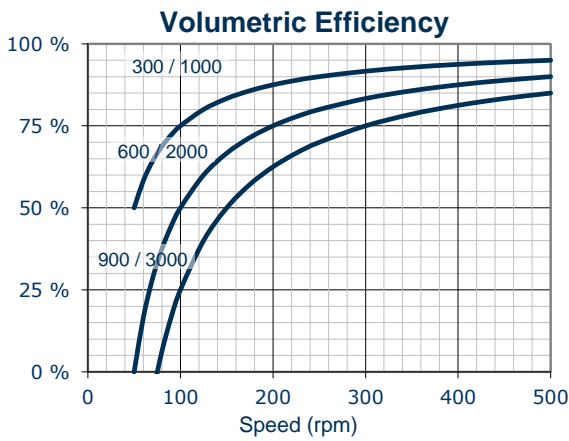
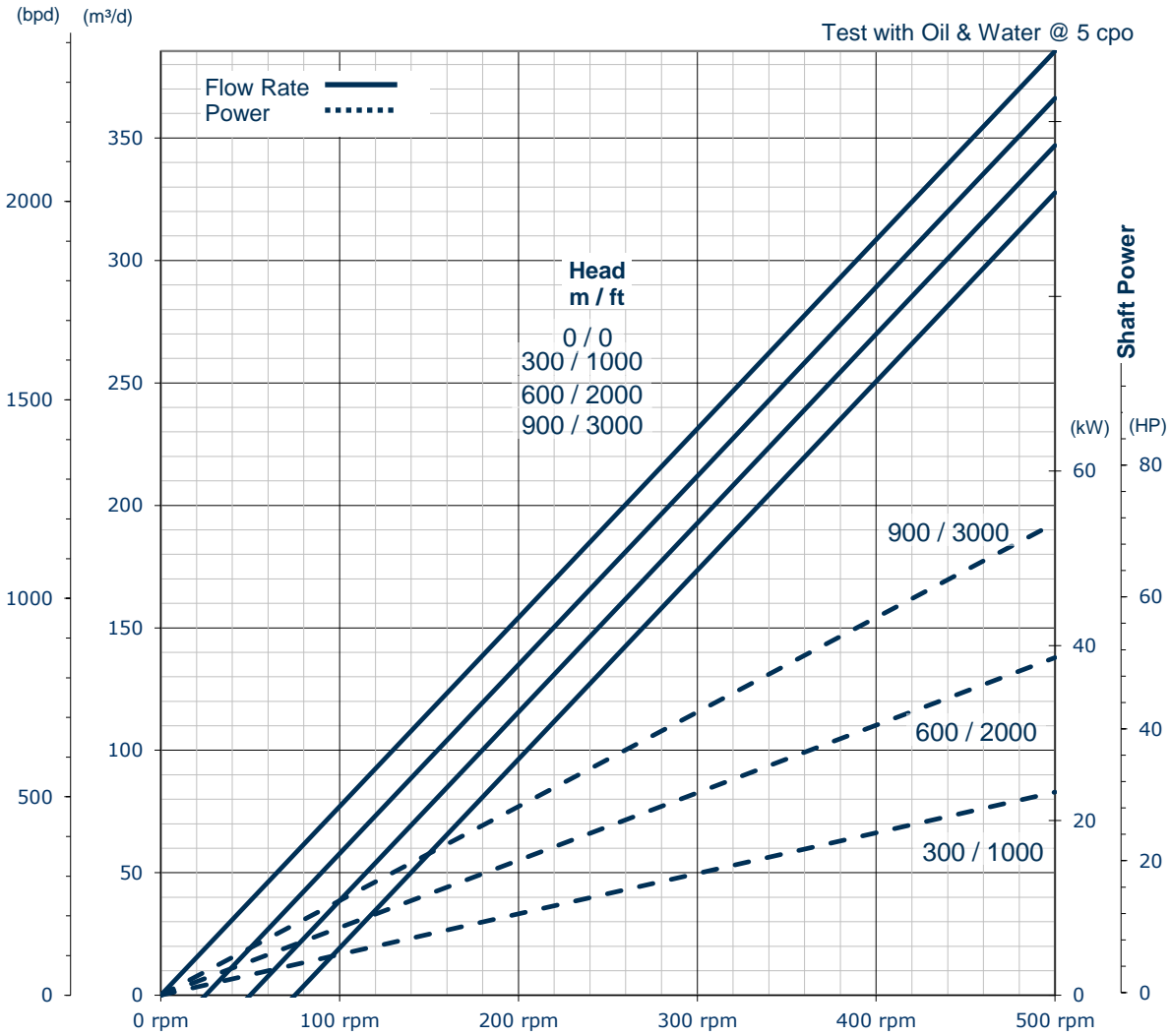
* Depending on rotor fit

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.

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