

Heavy Lift

PCM Moineau™ 8E900

| Performance | SI | US |
|----------------------------|--------------------------------------|----------------------|
| Nominal displacement | 0.08 m ³ /d/rpm | 0.50 bpd/rpm |
| Pressure rating | 90 bars / 9000 kPa | 1300 psi |
| Pressure per cavity | 5.0 bars / 500 kPa | 70 psi |
| Number of engaged cavities | 18 | |
| Minimum/maximum speed | 50/500 rpm, depending on application | |
| ISO 15136-1 compliance | V3/Q3 - Higher grade upon request | |
| Helix angle | 22.1° | |
| Cavity flow area | 741 mm ² | 1.15 in ² |

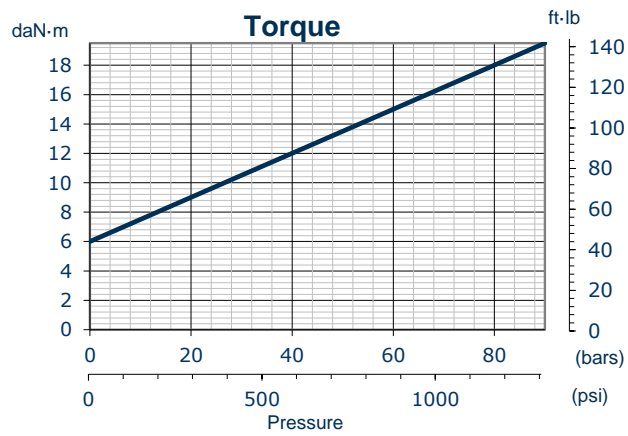
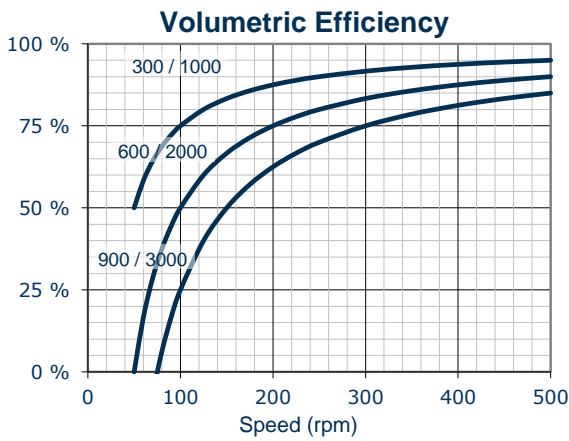
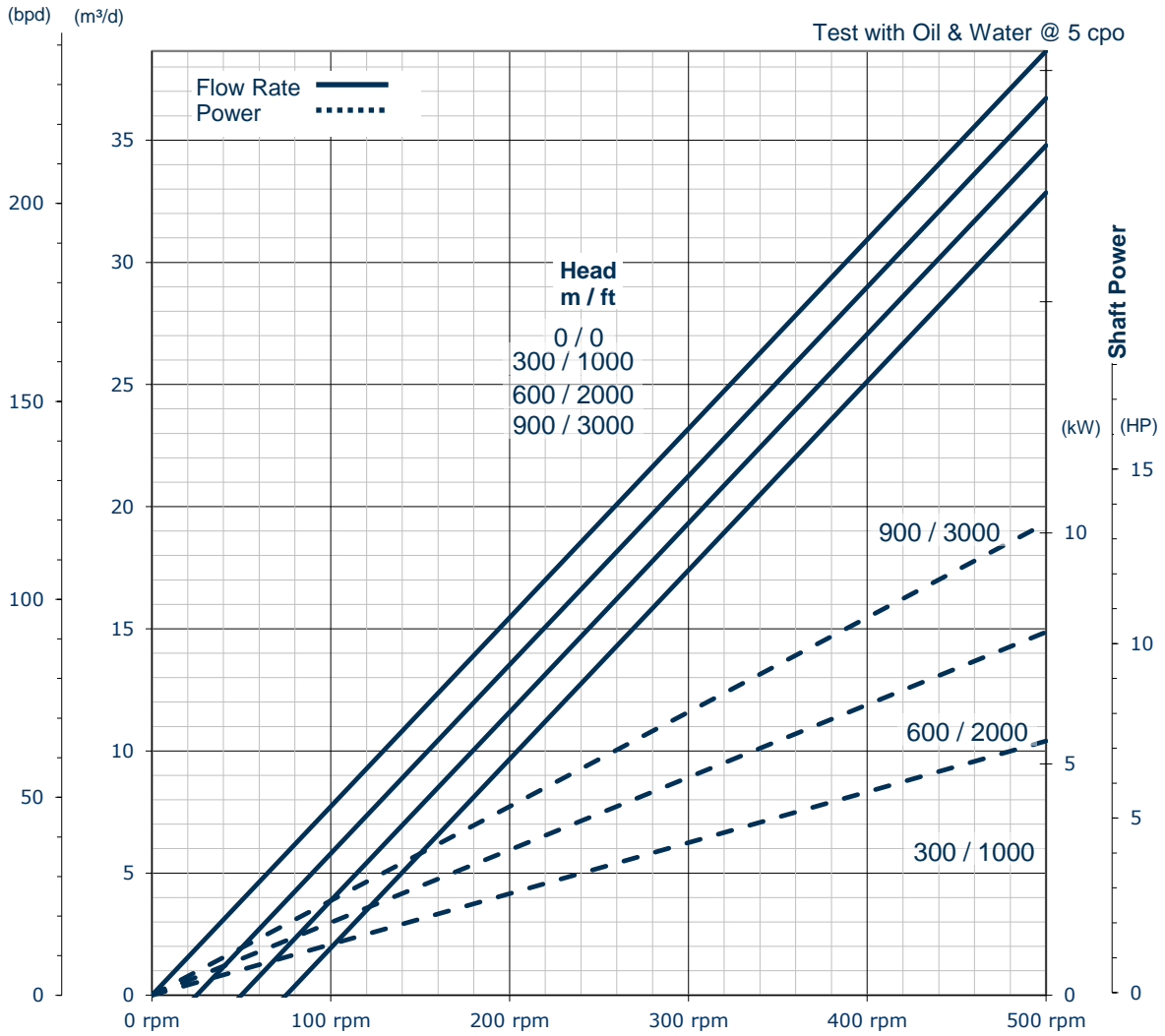
| Stator Specifications | Standard | | Flush | |
|--|---------------------------|---------|-----------------------|----------|
| | SI | US | SI | US |
| Top connection (API nominal size) | 3½" (88.9 mm) EUE Box | | 2⅞" (73.0 mm) EUE Box | |
| Bottom connection (API nominal size) | 3½" (88.9 mm) EUE Pin | | 2⅞" (73.0 mm) EUE Pin | |
| Body outside diameter | 95.3 mm | 3.75" | 93.2 mm | 3.67" |
| Maximum outside diameter | 114.3 mm | 4.50" | 93.2 mm | 3.67" |
| Maximum outside diameter if special clearance couplings are used | 106.2 mm | 4.18" | 93.2 mm | 3.67" |
| Length | 1.69 m | 5' 6.7" | 3.74 m | 12' 3.4" |
| Weight | 28 kg | 62 lb | 47 kg | 105 lb |
| Number of elements | 0.5 | | 0.5 | |
| Top bushing or tag bar | Available | | Available | |
| Notes | Includes 6.0 ft pup joint | | | |

| Rotor Specifications | SI | US |
|---|--------------------------|---------|
| Top connection (nominal size) | ⅞" (22.2 mm) API Pin | |
| Total length | 1.95 m | 6' 4.8" |
| Helix length | 1.74 m | 5' 8.5" |
| Weight | 13 kg | 29 lb |
| Minor diameter | 42.1 mm | 1.657" |
| Major diameter | 50.9 mm | 2.004" |
| Head diameter | 44.0 mm | 1.732" |
| Maximum OD with full size coupling | 50.9 mm | 2.004" |
| Maximum OD with slimhole coupling | 50.9 mm | 2.004" |
| Orbit diameter with full size coupling | 59.7 mm | 2.350" |
| Orbit diameter with slimhole coupling | 59.7 mm | 2.350" |
| 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> |

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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