

Heavy Lift

PCM Moineau™ 12E1800

Performance	SI	US
Nominal displacement	0.12 m ³ /d/rpm	0.75 bpd/rpm
Pressure rating	180 bars / 18000 kPa	2600 psi
Pressure per cavity	5.5 bars / 550 kPa	80 psi
Number of engaged cavities	33	
Minimum/maximum speed	50/500 rpm, depending on application	
ISO 15136-1 compliance	V3/Q3 - Higher grade upon request	
Helix angle	29.0°	
Cavity flow area	840 mm ²	1.30 in ²

Stator Specifications	Standard		Flush		Slim	
	SI	US	SI	US	SI	US
Top connection (API nominal size)	3½" (88.9 mm) EUE Pin		2⅞" (73.0 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		2⅞" (73.0 mm) EUE Pin	
Body outside diameter	96.0 mm	3.78"	96.0 mm	3.78"	92.0 mm	3.62"
Maximum outside diameter	114.3 mm	4.50"	96.0 mm	3.78"	93.2 mm	3.67"
Maximum outside diameter if special clearance couplings are used	106.2 mm	4.18"	96.0 mm	3.78"	92.0 mm	3.62"
Length	3.65 m	11' 11.7"	5.48 m	17' 11.7"	5.48 m	17' 11.7"
Weight	85 kg	187 lb	104 kg	230 lb	79 kg	174 lb
Number of elements	1		1		1	
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)	1" (25.4 mm) API Pin	
Total length	4.12 m	13' 6.2"
Helix length	3.90 m	12' 9.5"
Weight	45 kg	99 lb
Minor diameter	42.0 mm	1.654"
Major diameter	52.0 mm	2.047"
Head diameter	51.0 mm	2.008"
Maximum OD with full size coupling	55.6 mm	2.189"
* Maximum OD with slimhole coupling	52.5-54.6 mm	2.066-2.148"
Orbit diameter with full size coupling	65.6 mm	2.583"
* Orbit diameter with slimhole coupling	62.5-64.6 mm	2.460-2.542"
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>

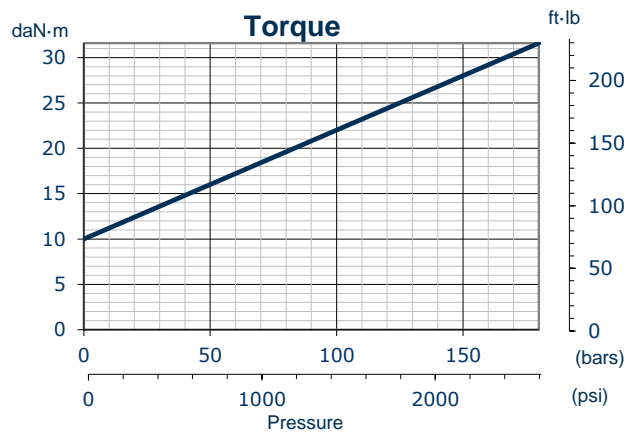
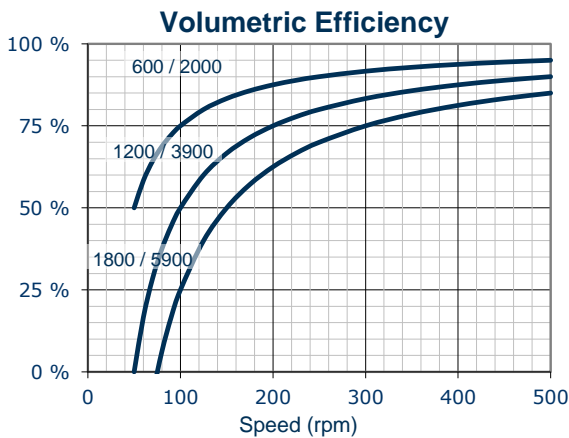
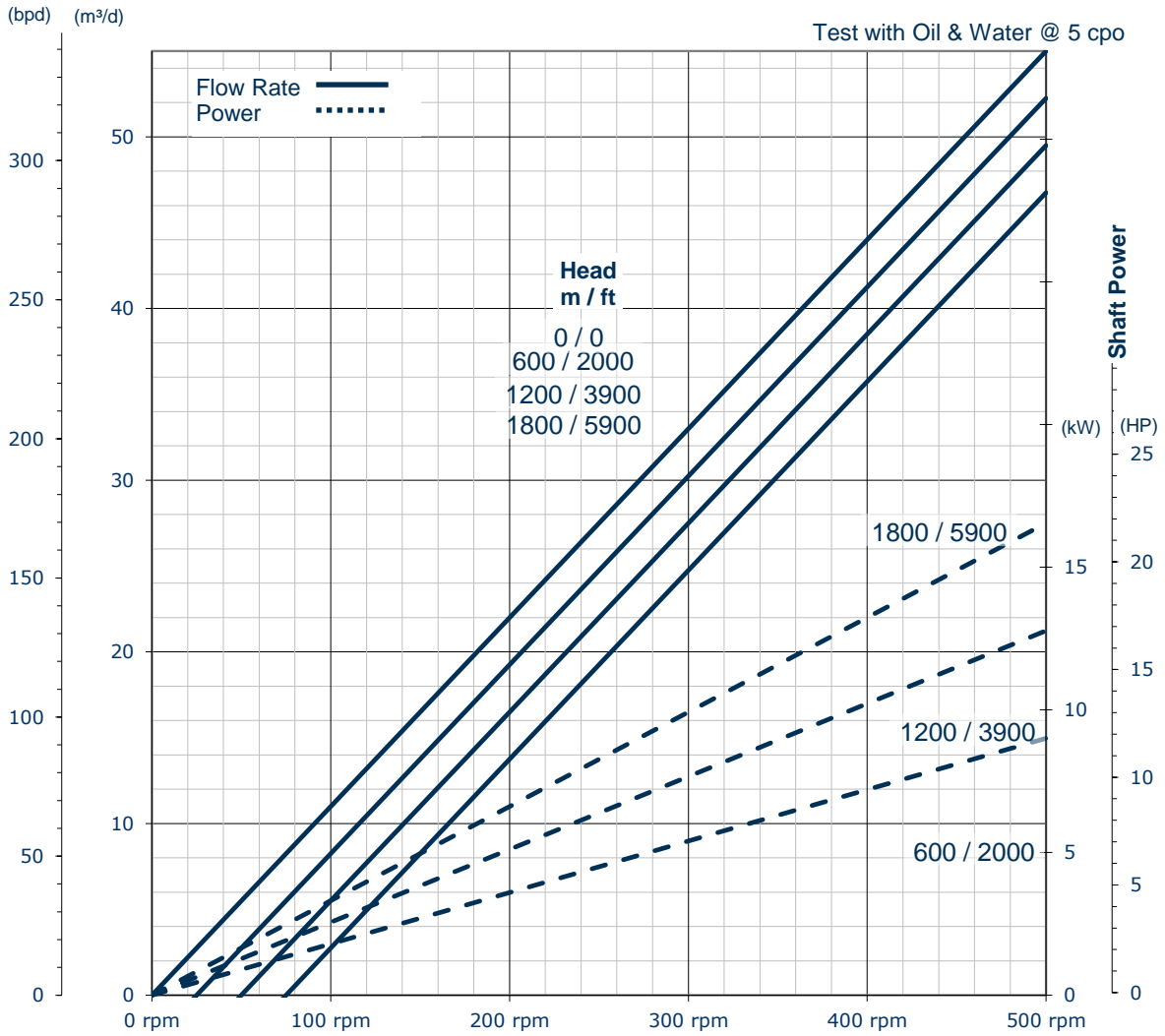
* Depending on rotor fit

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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