PCM | Artificial Lift Solutions

PCM Moineau™ 185E1500

Performance	SI	US
Nominal displacement	1.85 m³/d/rpm	11.64 bpd/rpm
Pressure rating	150 bars / 15000 kPa	2200 psi
Pressure per cavity	6.3 bars / 630 kPa	90 psi
Number of engaged cavities	24	
Minimum/maximum speed	50/500 rpm, depending on application	
ISO 15136-1 compliance	V3/Q3 - Higher grade upon request	
Helix angle	41.9°	
Cavity flow area	3844 mm²	5.96 in²

Stator Specifications	Standard	
	SI	US
Top connection (API nominal size)	6⅝" (168.3 mm) BTC Pin	
Bottom connection (API nominal size)	6⅝" (168.3 mm) BTC Pin	
Body outside diameter	170.0 mm	6.69"
Maximum outside diameter	187.7 mm	7.39"
Maximum outside diameter if special clearance couplings are used	177.8 mm	7.00"
Length	8.49 m	27' 10.4"
Weight	600 kg	1323 lb
Number of elements	3	
Top bushing or tag bar	Available	
Notes		

Rotor Specifications	SI	US
Top connection (nominal size)	1⅛" (28.6 mm) Mod. API Pin	
Total length	9.01 m	29' 6.7"
Helix length	8.83 m	28' 11.4"
Weight	210 kg	463 lb
Minor diameter	62.0 mm	2.441"
Major diameter	93.0 mm	3.661"
Head diameter	57.5 mm	2.264"
* Maximum OD with full size coupling	90.2-94.1 mm	3.550-3.703"
* Maximum OD with slimhole coupling	90.2-94.1 mm	3.550-3.703"
* Orbit diameter with full size coupling	121.2-125.1 mm	4.770-4.924"
* Orbit diameter with slimhole coupling	121.2-125.1 mm	4.770-4.924"
Coating type	Chromium	
Coating thickness	Information upon request	
This pump is available as (optional):	**PCM Slugger**	
This pump is available with (optional):	Paddle rotor	

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

** 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.

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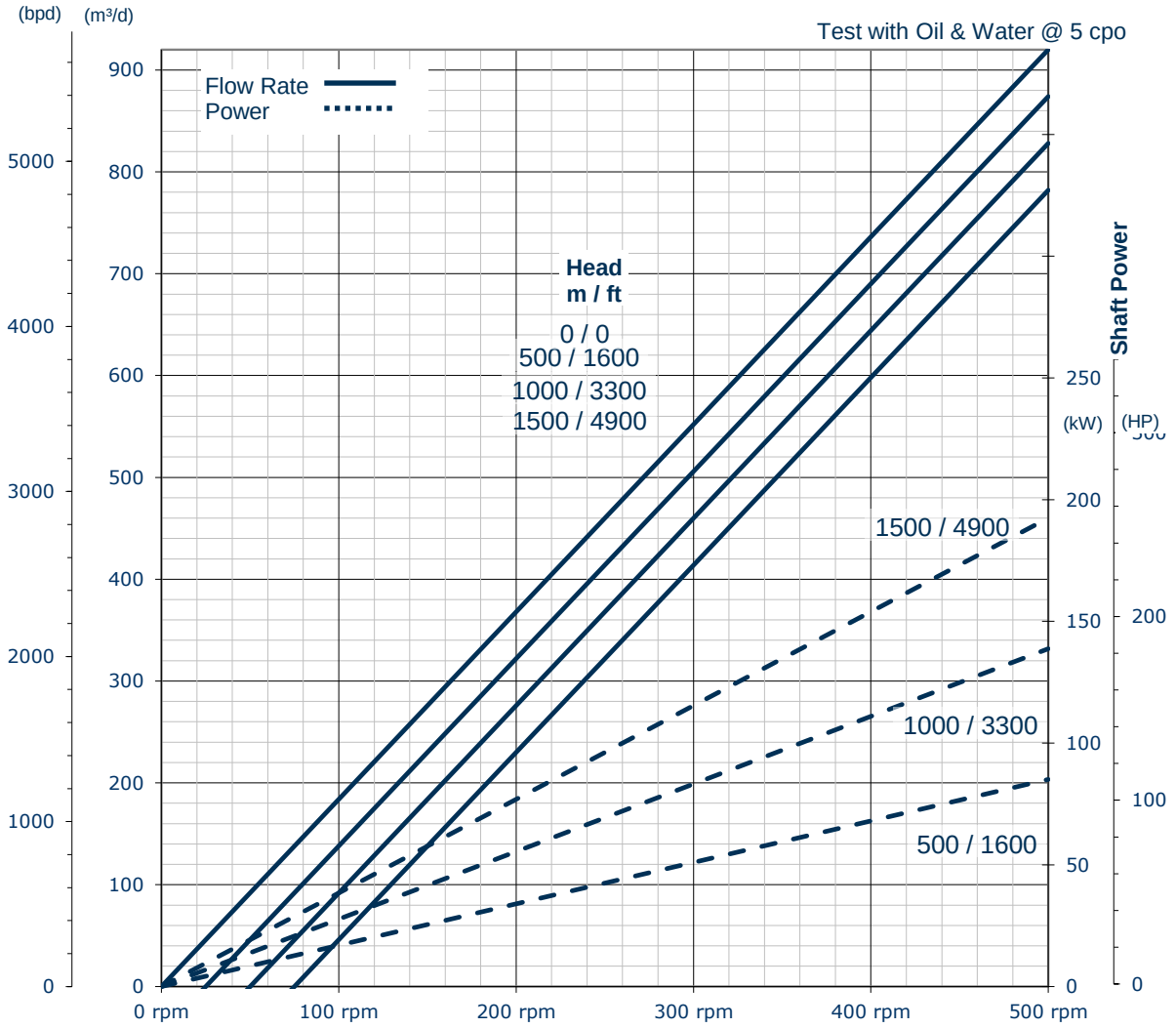

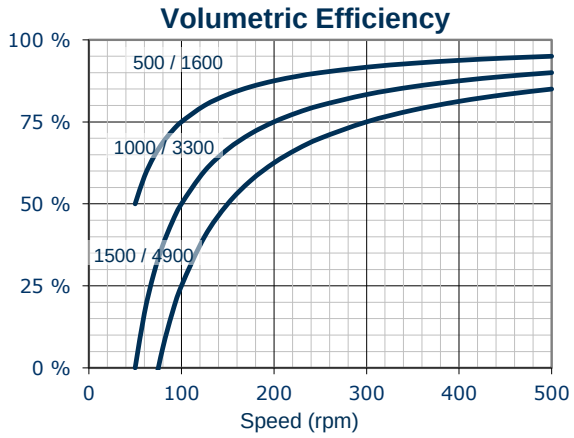

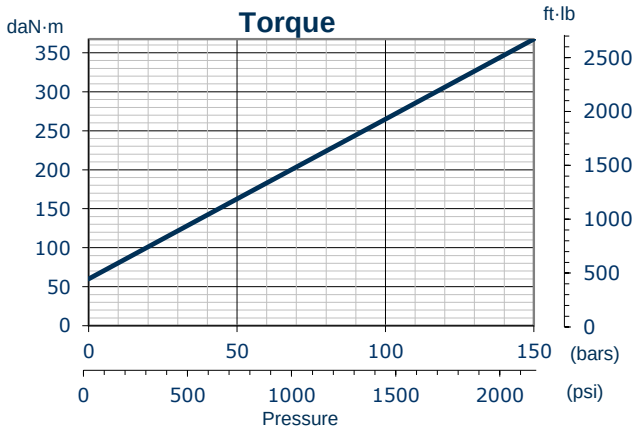

The flow rate chart is calculated using the validated displacement for this pump.

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