

### PCM Moineau™ 110E1600

Performance	SI	US
Nominal displacement	1.10 m <sup>3</sup> /d/rpm	6.92 bpd/rpm
Pressure rating	160 bars / 16000 kPa	2300 psi
Pressure per cavity	6.7 bars / 670 kPa	100 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	47.5°	
Cavity flow area	2400 mm <sup>2</sup>	3.72 in <sup>2</sup>

Stator Specifications	Standard		Flush	
	SI	US	SI	US
Top connection (API nominal size)	5" (127.0 mm) STC Box		3½" (88.9 mm) EUE Box	
Bottom connection (API nominal size)	5" (127.0 mm) STC Pin		3½" (88.9 mm) EUE Pin	
Body outside diameter	130.0 mm	5.12"	130.0 mm	5.12"
Maximum outside diameter	141.3 mm	5.56"	130.0 mm	5.12"
Maximum outside diameter if special clearance couplings are used	N/A	N/A	130.0 mm	5.12"
Length	8.70 m	28' 6.5"	11.14 m	36' 6.6"
Weight	261 kg	575 lb	316 kg	697 lb
Number of elements	3		3	
Top bushing or tag bar	Available		Available	
Notes	Includes 6.0 ft pup joint			

Rotor Specifications	SI	US
Top connection (nominal size)	1½" (28.6 mm) API Pin	
Total length	9.07 m	29' 9.1"
Helix length	8.84 m	29' 0.0"
Weight	129 kg	284 lb
Minor diameter	48.0 mm	1.890"
Major diameter	73.0 mm	2.874"
Head diameter	57.5 mm	2.264"
* Maximum OD with full size coupling	70.6-72.5 mm	2.778-2.853"
* Maximum OD with slimhole coupling	70.6-72.5 mm	2.778-2.853"
* Orbit diameter with full size coupling	95.6-97.5 mm	3.762-3.837"
* Orbit diameter with slimhole coupling	95.6-97.5 mm	3.762-3.837"
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>

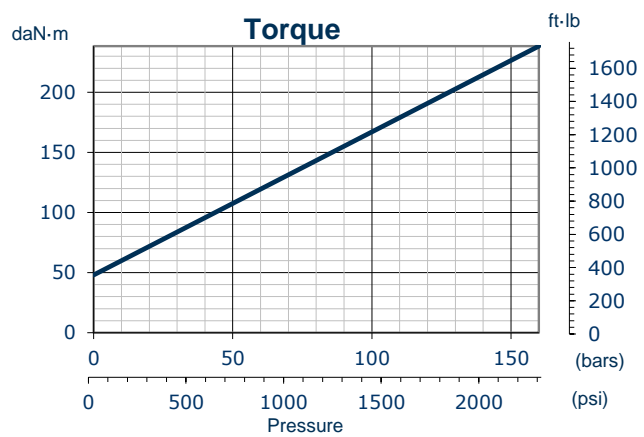
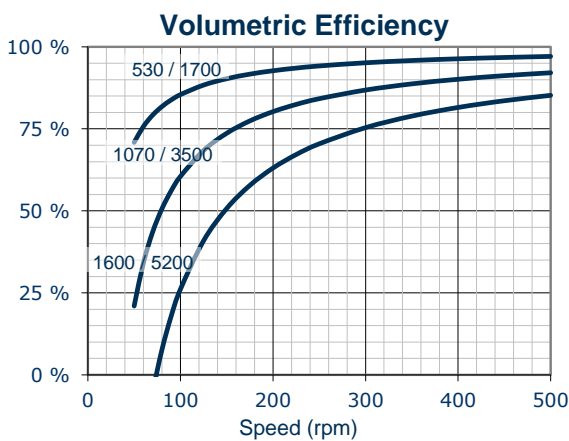
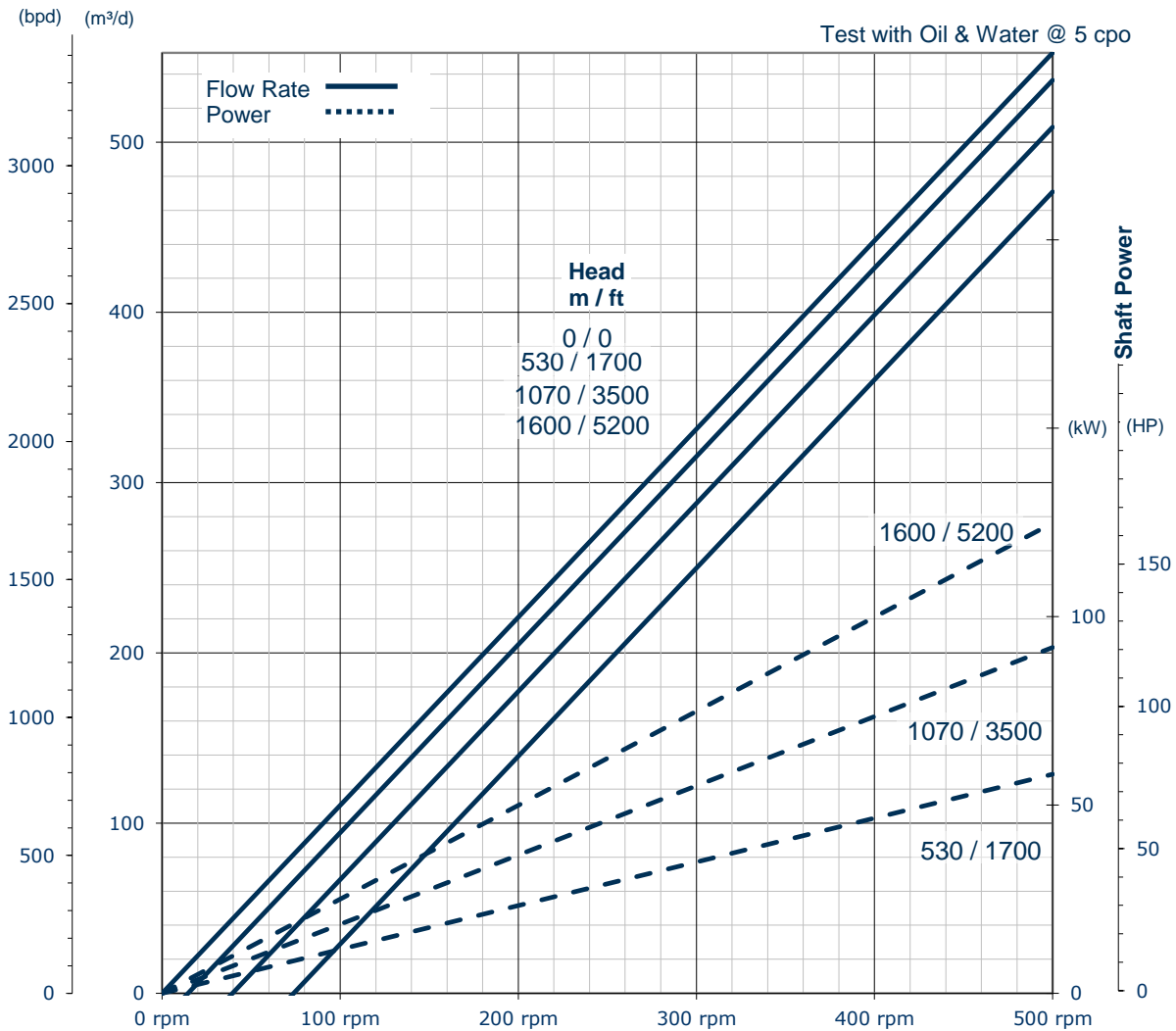
\* Depending on rotor fit

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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