

### PCM Vulcain™ 220V500

Performance	SI	US
Nominal displacement	2.20 m <sup>3</sup> /d/rpm	13.84 bpd/rpm
Pressure rating	50 bars / 5000 kPa	700 psi
Pressure per cavity	6.3 bars / 630 kPa	90 psi
Number of engaged cavities	8	
Minimum/maximum speed	50/400 rpm, depending on application	
ISO 15136-1 compliance	N/A	
Helix angle	66.5°	
Cavity flow area	2323 mm <sup>2</sup>	3.60 in <sup>2</sup>

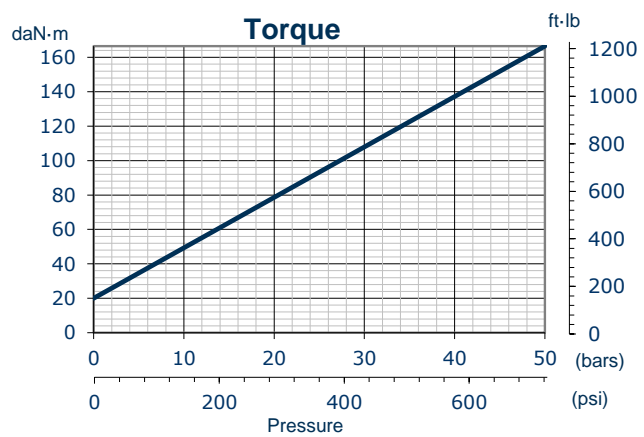
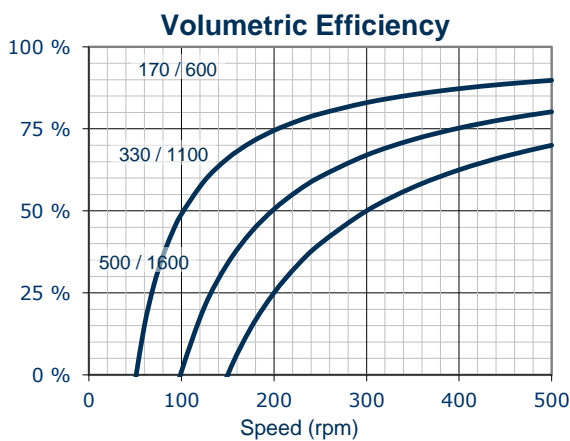
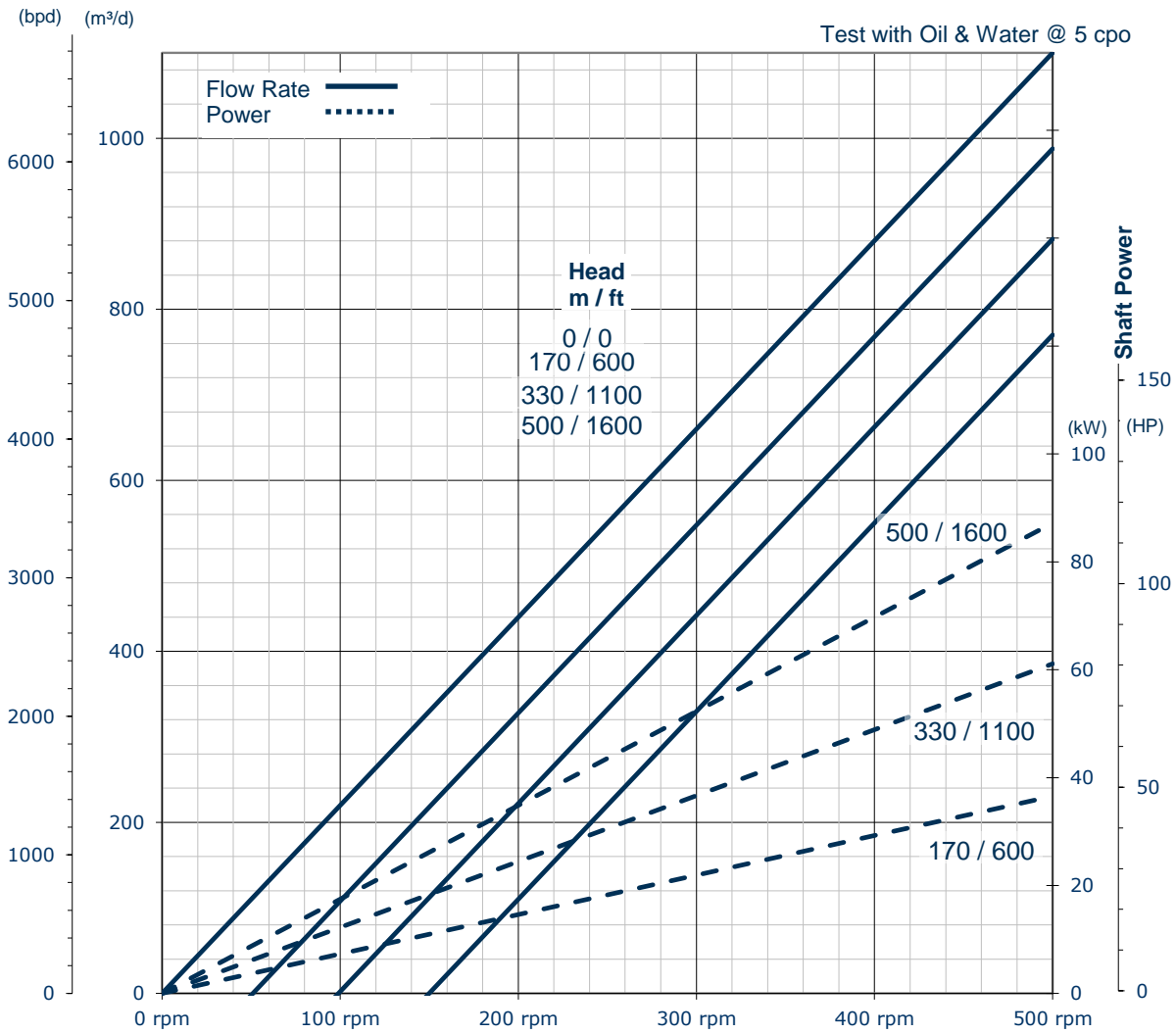
Stator Specifications	Standard	
	SI	US
Top connection (API nominal size)	4½" (114.3 mm) EUE Pin	
Bottom connection (API nominal size)	4½" (114.3 mm) EUE Pin	
Body outside diameter	135.0 mm	5.31"
Maximum outside diameter	141.3 mm	5.56"
Maximum outside diameter if special clearance couplings are used	N/A	N/A
Length	5.91 m	19' 4.5"
Weight	194 kg	428 lb
Number of elements	2	
Top bushing or tag bar	Available	
Notes		

Rotor Specifications	SI	US
Top connection (nominal size)	1⅞" (28.6 mm) Mod. API Pin	
Total length	6.32 m	20' 8.8"
Helix length	5.98 m	19' 7.4"
Weight	88 kg	194 lb
Minor diameter	48.0 mm	1.890"
Major diameter	72.2 mm	2.843"
Head diameter	57.5 mm	2.264"
Maximum OD with full size coupling	72.2 mm	2.843"
Maximum OD with slimhole coupling	72.2 mm	2.843"
Orbit diameter with full size coupling	96.4 mm	3.795"
Orbit diameter with slimhole coupling	96.4 mm	3.795"
Coating type	Chromium	
Coating thickness	Information upon request	



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)  
 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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