PCM | Artificial Lift Solutions

PCM Vulcain™ 110V750

Performance	SI	US
Nominal displacement	1.10 m³/d/rpm	6.92 bpd/rpm
Pressure rating	80 bars / 8000 kPa	1100 psi
Pressure per cavity	5.0 bars / 500 kPa	70 psi
Number of engaged cavities	15	
Minimum/maximum speed	50/400 rpm, depending on application	
ISO 15136-1 compliance	N/A	
Helix angle	67.3°	
Cavity flow area	1421 mm²	2.20 in²

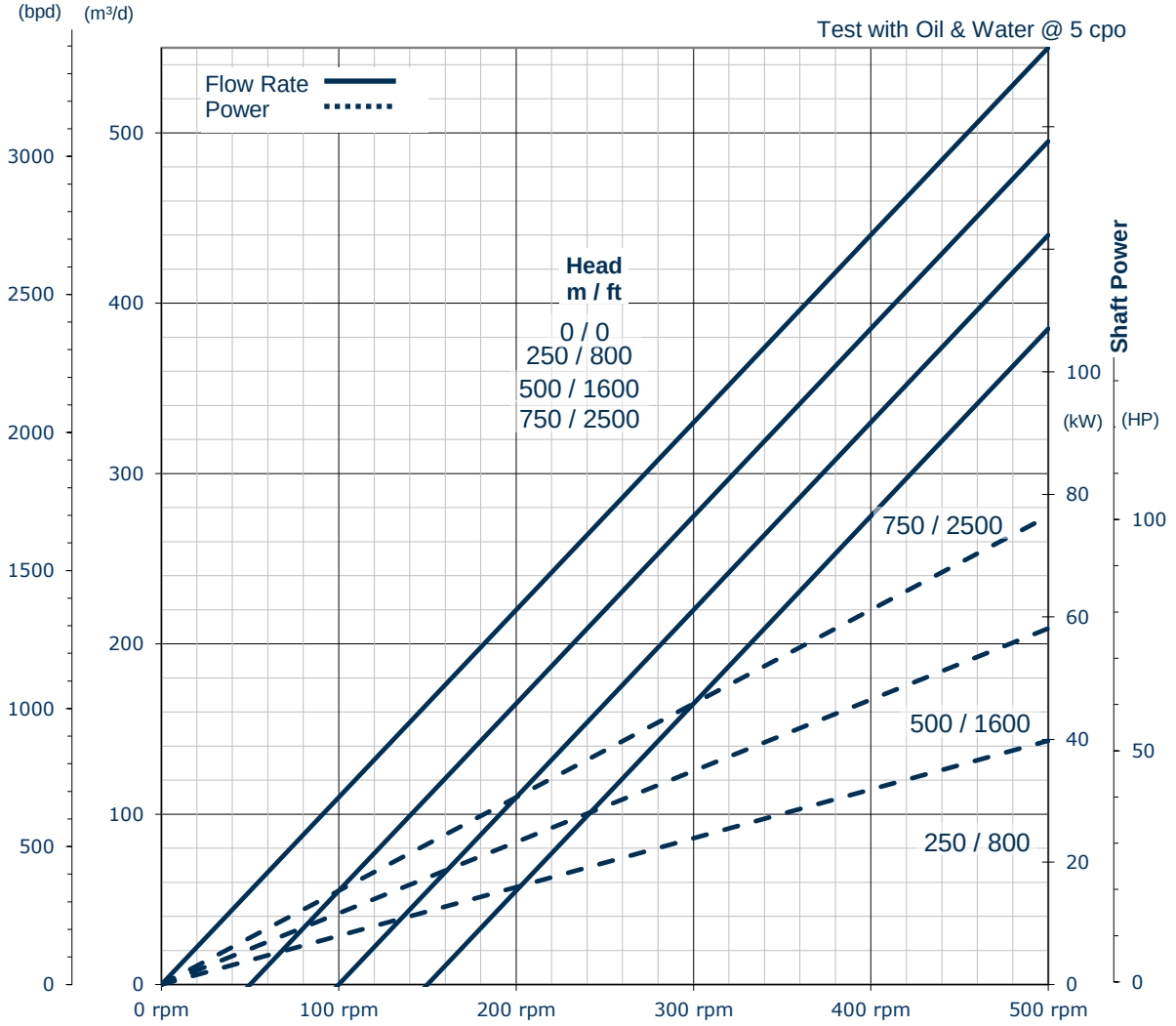
Stator Specifications	Standard	
	SI	US
Top connection (API nominal size)	4" (101.6 mm) NUE Pin	
Bottom connection (API nominal size)	4" (101.6 mm) NUE Pin	
Body outside diameter	115.0 mm	4.53"
Maximum outside diameter	120.7 mm	4.75"
Maximum outside diameter if special clearance couplings are used	N/A	N/A
Length	8.96 m	29' 4.6"
Weight	227 kg	500 lb
Number of elements	3	
Top bushing or tag bar	Available	
Notes		

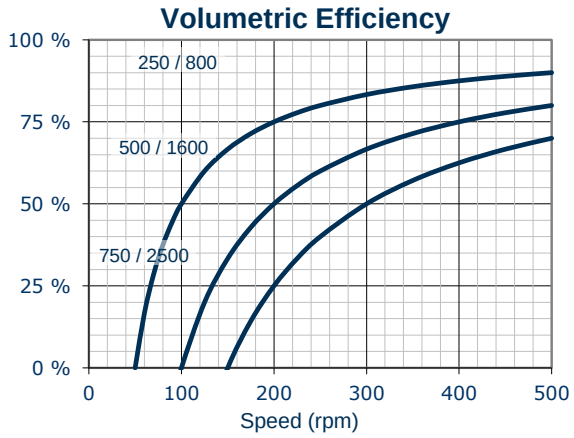
Rotor Specifications	SI	US
Top connection (nominal size)	1⅛" (28.6 mm) API Pin	
Total length	9.30 m	30' 6.1"
Helix length	9.08 m	29' 9.5"
Weight	81 kg	179 lb
Minor diameter	38.0 mm	1.496"
Major diameter	56.7 mm	2.232"
Head diameter	57.5 mm	2.264"
Maximum OD with full size coupling	60.3 mm	2.375"
Maximum OD with slimhole coupling	57.5 mm	2.264"
Orbit diameter with full size coupling	79.0 mm	3.111"
Orbit diameter with slimhole coupling	76.2 mm	3.000"
Coating type	Chromium	
Coating thickness	Information upon request	

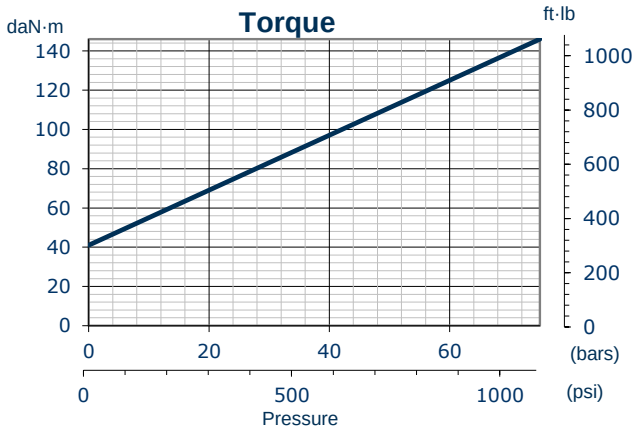
Completion Considerations
Stator maximum OD must be less than casing drift diameter (some extra clearance is recommended)
Rotor maximum OD must be less than tubing drift diameter
Rotor orbit diameter must be less than pup joint drift diameter

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.

PCM Vulcain™ 110V750







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

Revision Number 1-3-2 (2022/06/30)