



PUMP SPECIFICATION

102M - STD - FLOT - SHOT



102 m3 / Day / 100 RPM (641 bbl / Day / 100 RPM)						
Available Models		102 M 0600	102 M 0900	102 M 1200	102 M 1500	102 M 1800
ROTOR	Geometry: Single Lobe		Operating Speed: 50 - 500 RPM		Free Gas Volume Fraction: 40% continuous	
	Swept Rotor Angle:	54	Orbit Helix - mm (in): 75.00 (2.953)		Intake cavity area - mm ² (in ²): 1404 (2.18)	
	Pump Lift H2O - m (ft)	600 (1968)	900 (2952)	1200 (3936)	1500 (4920)	1800 (5904)
	Rated Pressure kPa (psi)	6000 (870)	9000 (1305)	12000 (1740)	15000 (2175)	18000 (2611)
	Rated Torque N-m (ft-lbs)	778 (573)	1166 (859)	1554 (1145)	1944 (1432)	2331 (1718)
	Rotor Top Connection mm (in)	1" API Pin				
	Rotor Head Diameter mm (in)	50.80 (2.00)				
	Overall Rotor Length m (in)	5.06 (199)	7.33 (289)	9.61 (378)	11.88 (468)	14.16 (557)
	Weight kg (lbs)	47 (103)	71 (156)	94 (207)	118 (260)	141 (310)
	Nominal Rotor Drift OD mm (in)	57.75 (2.274)				
STATOR - STD	Stator OD mm (in)	103.0 (4.055)				
	Collar OD (mm)	120.65 (4.75)				
	Connection Discharge - Intake	4" NUE Pin - 4" NUE Pin				
	Stator Overall Length w TB m (in)	5.01 (197)	7.28 (287)	9.56 (376)	11.83 (466)	14.11 (555)
	Weight kg (lbs)	106 (233)	159 (350)	212 (466)	265 (583)	318 (700)
	Distance TB to Elastomer mm (in)	300 (12)				
	Tagbar/sub bottom connection	3 1/2" EUE Pin				
STATOR - FLOT - SHOT	Stator OD mm (in)	FLOT - 106 (4.173) // SHOT 99 (3.898)				
	Collar OD mm (in)	FLOT - 106 (4.173) // SHOT 99 (3.898)				
	Connection Discharge - Intake	FLOT - 3 1/2" EUE Box // SHOT - 2 7/8" EUE Box				
	Stator Overall Length w TB m (in)	6.23 (245)	8.51 (335)	10.78 (424)	13.05 (514)	15.33 (603)
	Weight kg (lbs)	138 (304)	191 (420)	244 (537)	297 (653)	350 (770)
	Distance TB to Elastomer mm (in)	300 (12)				
	Tagbar/sub bottom connection	FLOT - 3 1/2" EUE Pin // SHOT - 2 7/8" EUE Pin				
NOTE						

