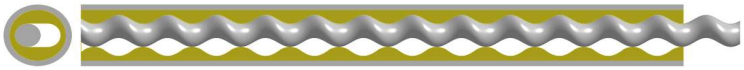
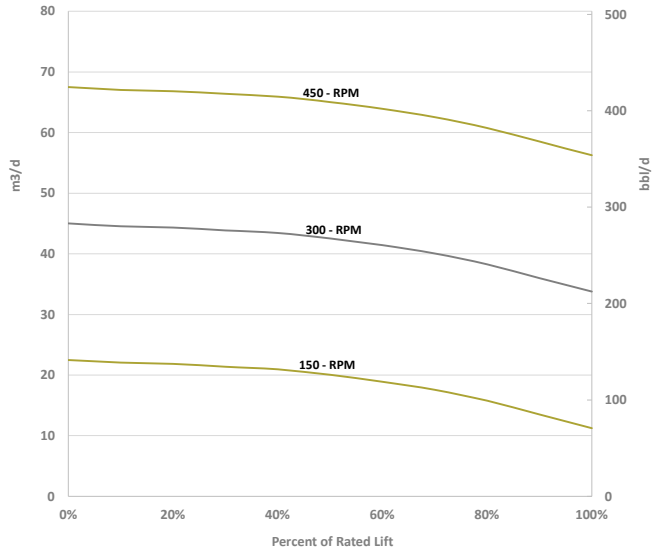
MANTL
ARTIFICIAL LIFT

PUMP SPECIFICATION
015M - STD - FL

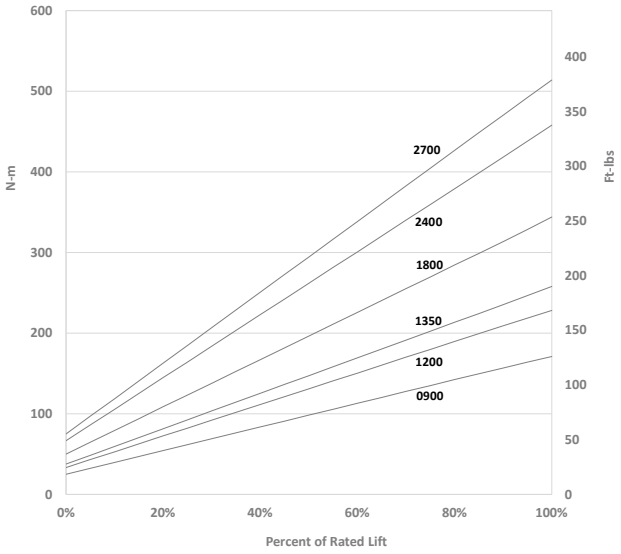


		15 m3 / Day / 100 RPM (94 bbl / Day / 100 RPM)					
	Available Models	015 M 0900	015 M 1200	015 M 1350	015 M 1800	015 M 2400	015 M 2700
	Geometry: Single Lobe Operating Speed: 50 - 500 RPM Free Gas Volume Fraction: 40% continuous						
	Swept Rotor Angle: 24	Orbit Helix - mm (in): 60.00 (2.362)				Intake cavity area - mm^2 (in^2): 884 (1.37)	
	Pump Lift H2O - m (ft)	900 (2952)	1200 (3936)	1350 (4428)	1800 (5904)	2400 (7872)	2700 (8856)
	Rated Pressure kPa (psi)	9000 (1305)	12000 (1740)	13500 (1958)	18000 (2611)	24000 (3481)	27000 (3916)
	Rated Torque N-m (ft-lbs)	171 (126)	228 (168)	258 (190)	344 (253)	458 (337)	514 (379)
ROTOR	Rotor Top Connection mm (in)	7/8" API Pin					
ROTOR	Rotor Head Diameter mm (in)	46.04 (1.813)					
ROTOR	Overall Rotor Length m (in)	2.62 (103)	3.34 (131)	3.68 (145)	4.73 (186)	6.13 (241)	6.85 (270)
ROTOR	Weight kg (lbs)	17 (37)	23 (51)	26 (57)	34 (75)	45 (99)	68 (150)
ROTOR	Nominal Rotor Drift OD mm (in)	46.04 (1.813)					
STATOR - STD	Stator OD mm (in)	90.0 (3.54)					
STATOR - STD	Collar OD (mm)	97.64 (3.844)					
STATOR - STD	Connection Discharge - Intake	3 1/2'' NUE Pin - 3 1/2'' NUE Pin					
STATOR - STD	Stator Overall Length w TB m (in)	2.57 (101)	3.29 (130)	3.63 (143)	4.69 (185)	6.08 (239)	6.80 (268)
STATOR - STD	Weight kg (lbs)	40 (88)	54 (119)	60 (132)	80 (176)	106 (233)	120 (264)
STATOR - STD	Distance TB to Elastomer mm (in)	300 (12)					
STATOR - STD	Tagbar/sub bottom connection	2 7/8'' EUE Box					
STATOR - FL	Stator OD mm (in)	FL - 90 (3.54)					
STATOR - FL	Collar OD mm (in)	FL - 90 (3.54)					
STATOR - FL	Connection Discharge - Intake	2 7/8'' EUE Box - 2 7/8'' EUE Box					
STATOR - FL	Stator Overall Length w TB m (in)	2.77 (109)	3.49 (137)	3.83 (151)	4.89 (192)	6.49 (247)	7.21 (276)
STATOR - FL	Weight kg (lbs)	43 (95)	57 (125)	63 (139)	83 (183)	109 (240)	123 (271)
STATOR - FL	Distance TB to Elastomer mm (in)	300 (12)					
STATOR - FL	Tagbar/sub bottom connection	2 7/8'' EUE Pin					
NOTE							

Target in Well Flow Rates m3/d (bbl/d)



Target In Well Torque N-m (ft-lbs)



4/19/2021

'CAUSE WE GIVE A S#!T