LIFTING SOLUTIONS

PROGRESSING CAVITY PUMPS

EXPERIENCE PERFORMANCE. ARTIFICIAL LIFT PRODUCTS AND SERVICES THAT CONSISTENTLY OUTPERFORM THE MARKET AND REDUCE OPEX.

Denotes PCP Models with extended lead times. Typically used in Global Applications with build to order lead times. Models have limited inventory availability in Canadian Markets.

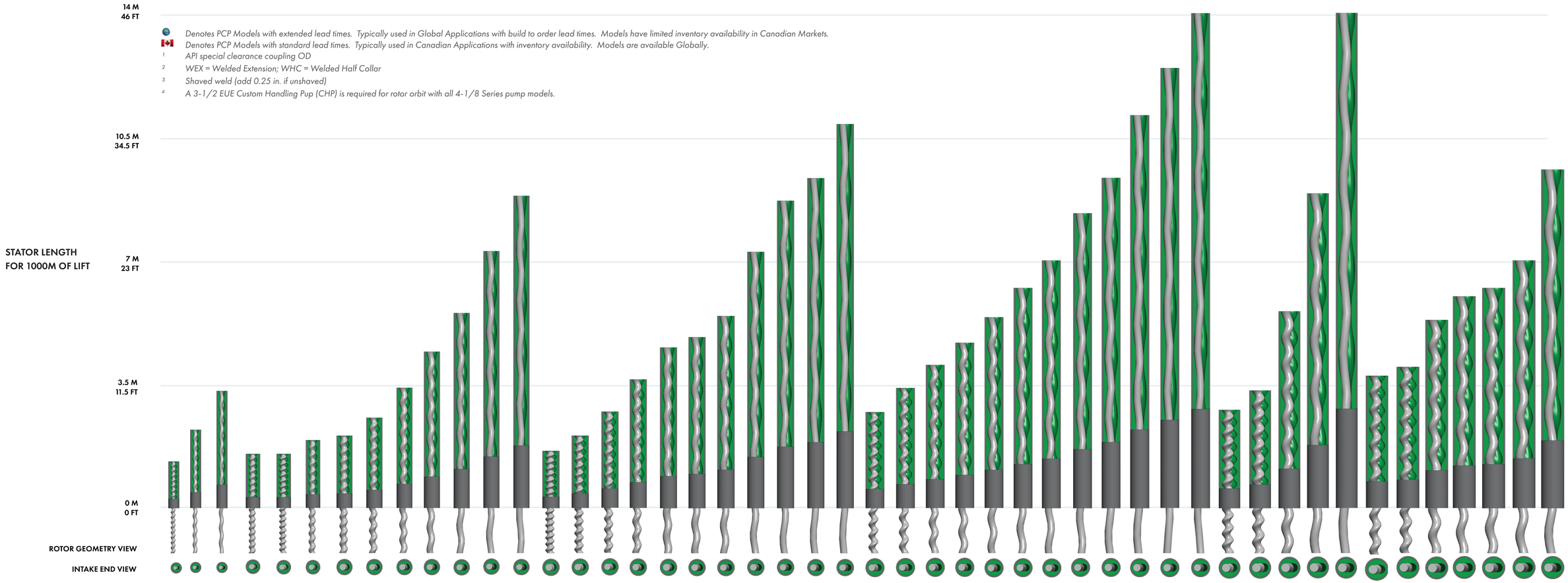
Denotes PCP Models with standard lead times. Typically used in Canadian Applications with inventory availability. Models are available Globally.

[1] *API special clearance coupling OD*

[2] *WEX = Welded Extension; WHC = Welded Half Collar*

[3] *Shaved weld (add 0.25 in. if unshaved)*

[4] *A 3-1/2 EUE Custom Handling Pup (CHP) is required for rotor orbit with all 4-1/8 Series pump models.*



Series		2-3/8 Series			3-1/8 Series			3-1/2 Series						
Model Availablity														
Model Name		2 XS	4 XS	7 XS	4	5 CH	7	10	15	20	30	41	55	70
Nominal Capacity (metric)	m³/day/100rpm	2	4	7	4	5	7	10	15	20	30	41	55	70
Nominal Capacity (imperial)	bbls/day/100rpm	13 B	25 B	44 B	25 B	31 B	44 B	63 B	94 B	126 B	189 B	258 B	346 B	440 B
Stator Length for 1000m or 3280 ft of Lift	in ft m	51 4.3 1.30	86 7.2 2.18	130 10.8 3.30	60 5.0 1.52	60 5.0 1.52	75 6.3 1.91	80 6.7 2.03	100 8.3 2.54	133 11.1 3.38	173 14.4 4.39	216 18.0 5.49	285 23.8 7.24	346 28.8 8.79
Stator Tube OD	in (mm)	2.38 (60.3)			3.13 (79.4)			3.50 (88.9)						
Standard Stator Connection	Size in (mm)	2-3/8 (60.3) NUE PIN			2-7/8 (73.0) EUE PIN			2-7/8 (73.0) EUE BOX						
	OD in (mm)	2.88 (73.0)			3.46 (87.9) [1]			3.50 (88.9)						
Optional Stator Connection (**WEX = Weld Extension)	Size in (mm)	N/A			2-3/8 (60.3) EUE WEX[3]			3-1/2 (88.9) NUE PIN						
	OD in (mm)	NA			3.13 (79.4)			4.18 (106.2)[1]						
Rotor Drift Diameter	in (mm)	1.50 (38.1)	1.50 (38.1)	1.50 (38.1)	1.63 (41.3)	1.65 (41.9)	1.63 (41.3)	1.88 (47.6)	1.89 (47.9)	1.89 (47.9)	1.89 (47.9)	1.89 (47.9)	1.89 (47.9)	1.89 (47.9)
Standard Rotor Connection	in (mm)	3/4 (19.1) API Pin			7/8 (22.2) API Pin			7/8 (22.2) API Pin						
Min. Tubing Size for Rotor Drift	in (mm)	2-3/8 (60.3) EUE			2-3/8 (60.3) EUE			2-3/8 (60.3) EUE						
Min. Tubing Size for Rotor Orbit	in (mm)	2-3/8 (60.3) EUE			2-7/8 (73.0) EUE			2-7/8 (73.0) EUE						
Min. Tubing Size for 3/4 (19.1) Coil	in (mm)	2-7/8 (73.0) EUE			2-7/8 (73.0) EUE			3-1/2 (88.9) EUE						
Cavity Inflow CSA	in² (mm²)	0.40 (258)	0.42 (271)	0.46 (297)	0.76 (490)	0.96 (619)	0.84 (542)	1.11 (716)	1.32 (852)	1.32 (852)	1.32 (852)	1.32 (852)	1.32 (852)	1.32 (852)

Series		3-3/4 Series										
Model Availablity												
Model Name		8 CH	13 CH	18 CH	28	36	43	54	68	85	102	120
Nominal Capacity (metric)	m³/day/100rpm	8	13	18	28	36	43	54	68	85	102	120
Nominal Capacity (imperial)	bbls/day/100rpm	50 B	82 B	113 B	176 B	226 B	270 B	340 B	428 B	535 B	642 B	755 B
Stator Length for 1000m or 3280 ft of Lift	in ft m	63 5.3 1.60	80 6.7 2.03	106 8.8 2.69	142 11.8 3.61	178 14.8 4.52	190 15.8 4.83	213 17.8 5.41	284 23.7 7.21	341 28.4 8.66	366 30.5 9.30	426 35.5 10.82
Stator Tube OD	in (mm)	3.75 (95.3)										
Standard Stator Connection	Size in (mm)	3-1/2 (88.9) EUE PIN										
	OD in (mm)	4.18 (106.2)[1]										
Optional Stator Connection (**WEX = Weld Extension)	Size in (mm)	2-7/8 (73.0) EUE WEX[3]										
	OD in (mm)	3.75 (95.3)										
Rotor Drift Diameter	in (mm)	2.09 (53)	2.11 (53.6)	2.09 (53.2)	2.10 (53.3)	2.11 (53.5)	2.10 (53.3)	2.10 (53.3)	2.10 (53.2)	2.09 (53.1)	2.10 (53.3)	2.10 (53.3)
Standard Rotor Connection	in (mm)	1 (25.4) API Pin										
Min. Tubing Size for Rotor Drift	in (mm)	2-7/8 (73.0) EUE										
Min. Tubing Size for Rotor Orbit	in (mm)	3-1/2 (88.9) EUE										
Min. Tubing Size for 3/4 (19.1) Coil	in (mm)	3-1/2 (88.9) EUE										
Cavity Inflow CSA	in² (mm²)	1.42 (916)	1.62 (1045)	1.69 (1090)	1.71 (1103)	1.49 (961)	1.61 (1039)	1.71 (1103)	1.68 (1084)	1.73 (1116)	1.71 (1103)	1.71 (1103)

Series		4-1/8 Series												
Model Availablity														
Model Name		23 CH	31 CH	42	50	61	72	87	105	123	145	167	190
Nominal Capacity (metric)	m³/day/100rpm	23	31	42	50	61	72	87	105	123	145	167	190
Nominal Capacity (imperial)	bbls/day/100rpm	145 B	195 B	264 B	315 B	384 B	453 B	547 B	660 B	774 B	912 B	1050 B	1195 B
Stator Length for 1000m or 3280 ft of Lift	in ft m	106 8.8 2.69	133 11.1 3.38	158 13.2 4.01	183 15.3 4.65	211 17.6 5.36	244 20.3 6.20	282 23.5 7.16	327 27.3 8.31	366 30.5 9.30	436 36.3 11.07	488 40.7 12.40	550 45.8 13.97
Stator Tube OD	in (mm)	4.13 (104.8)											
Standard Stator Connection	Size in (mm)	3-1/2 (88.9) EUE BOX											
	OD in (mm)	4.13 (104.8)											
Optional Stator Connection (**WEX = Weld Extension)	Size in (mm)	4 (101.6) NUE PIN											
	OD in (mm)	4.75 (120.7)											
Rotor Drift Diameter	in (mm)	2.27 (57.5)	2.23 (56.6)	2.26 (57.3)	2.26 (57.3)	2.26 (57.3)	2.26 (57.3)	2.26 (57.3)	2.28 (58)	2.32 (58.9)	2.31 (58.6)	2.32 (58.9)	2.33 (59.1)
Standard Rotor Connection	in (mm)	1 (25.4) API Pin										1-1/8 (28.6) API Pin	
Min. Tubing Size for Rotor Drift	in (mm)	2-7/8 (73.0) EUE											
Min. Tubing Size for Rotor Orbit	in (mm)	3-1/2 (88.9) EUE[4]											
Min. Tubing Size for 3/4 (19.1) Coil	in (mm)	3-1/2 (88.9) EUE SPECIAL COIL JOINT								4-1/2 (114.3) EUE			
Cavity Inflow CSA	in² (mm²)	2.08 (1342)	2.12 (1368)	2.09 (1348)	2.09 (1349)	2.09 (1348)	2.09 (1348)	2.09 (1348)	2.08 (1342)	2.07 (1335)	2.07 (1335)	2.07 (1335)	2.24 (1445)

Series		4-3/4 Series					5 Series						
Model Availablity													
Model Name		35 CH	47 CH	88	165	280	56	64	101	118	130	150	215
Nominal Capacity (metric)	m³/day/100rpm	35	47	88	165	280	56	64	101	118	130	150	215
Nominal Capacity (imperial)	bbls/day/100rpm	220 B	296 B	554 B	1038 B	1761 B	352 B	403 B	635 B	742 B	818 B	944 B	1352 B
Stator Length for 1000m or 3280 ft of Lift	in ft m	109 9.1 2.77	130 10.8 3.30	218 18.2 5.54	349 29.1 8.86	550 45.8 13.97	137 11.4 3.48	156 13.0 3.96	208 17.3 5.28	235 19.6 5.97	244 20.3 6.20	275 22.9 6.99	376 31.3 9.55
Stator Tube OD	in (mm)	4.75 (120.7)					5.00 (127.0)						
Standard Stator Connection	Size in (mm)	4-1/2 (114.3) EUE PIN					5 (127.0) STC/LTC PIN						
	OD in (mm)	5.56 (141.2)					5.56 (141.2)						
Optional Stator Connection (**WEX = Weld Extension)	Size in (mm)	3-1/2 (88.9) EUE WEX[3]					3-1/2 (88.9) EUE WEX[3]						
	OD in (mm)	4.75 (120.7)					5.00 (127.0)						
Rotor Drift Diameter	in (mm)	2.71 (68.8)	2.78 (70.6)	2.82 (71.5)	2.82 (71.5)	2.82 (71.5)	2.85 (72.5)						
Standard Rotor Connection	in (mm)	1 (25.4) API Pin		1-1/8 (28.6) API Pin			1-1/8 (28.6) API Pin						
Min. Tubing Size for Rotor Drift	in (mm)	3-1/2 (88.9) EUE					3-1/2 (88.9) EUE						
Min. Tubing Size for Rotor Orbit	in (mm)	4-1/2 (114.3) EUE					4-1/2 (114.3) EUE						
Min. Tubing Size for 3/4 (19.1) Coil	in (mm)	4-1/2 (114.3) EUE					4-1/2 (114.3) EUE						
Cavity Inflow CSA	in² (mm²)	2.81 (1813)	3.12 (2013)	3.27 (2110)	3.27 (2110)	3.27 (2110)	3.34 (2155)	3.47 (2239)	3.47 (2239)	3.47 (2239)	3.47 (2239)	3.47 (2239)	3.47 (2239)