

Progressing Cavity Pumps

Progressing Cavity Pump Specifications - Metric

PUMP		ROTOR				STATOR							PUMP			REFERENCE
Pump Series	Actual Displacement	Drift Dia.	Orbit Dia.	Length	Pin Connection	Tube OD	Max OD (Fittings)	Length (No tag bar)	Stator Tube Connections	Tagbar Threads (Intake)	Standard Tagbar Length	Min Tubing Size (Threaded)	Min Tubing Size (Threaded)	Available Options	Imperial	
m ³ /day/100rpm -m of lift	m ³ /day/100rpm -m of lift	mm (a)	mm	m (b)	mm (c)	mm (d)	mm (e)	m (f)	mm (g)	mm (h)	cm (i)	mm	mm		bpd/100rpm -ft of lift	
1-750 1-1500 1-2250 1-3000	1.3	31.8 (H) ⊙	35.5	1.13 2.16 3.17 4.20	15.9 API	60.5	74.0	1.01 2.04 3.05 4.08	60.3 NUE Pin	60.3 EUE Pin	18.4	60.3	114.3		006-2500 006-5000 006-7500 006-10000	
2-750 2-1500 2-2250	1.6	31.8 (H) ⊙	36.2	1.14 2.17 3.19	15.9 API	60.5	74.0	1.01 2.05 3.06	60.3 NUE Pin	60.3 EUE Pin	18.4	60.3	114.3		010-2500 010-5000 010-7500	
3-600 3-1200 3-1800 3-2400	2.6	31.8 (H) ⊙	37.1	1.14 2.17 3.19 4.22	15.9 API	60.5	74.0	1.01 2.05 3.06 4.10	60.3 NUE Pin	60.3 EUE Pin	18.4	60.3	114.3		015-2000 015-4000 015-6000 015-8000	
4-750 4-1200 4-1500 4-1875 4-2400 4-3000	4.3	36.5 (H) ⊙	42.3	1.53 2.20 2.94 3.63 4.33 5.73	19.1 API	70.1	74.0	1.39 2.06 2.80 3.49 4.19 5.59	60.3 EUE Pin	60.3 EUE Pin	18.4	60.3	114.3	SH1	025-2500 025-4000 025-5000 025-6250 025-8000 025-10000	
6-700 6-1050 6-1400 6-1750 6-2100	7.0	38.1 (H) ⊙	45.0	2.88 4.13 5.38 6.62 7.87	19.1 API	57.1	57.1	3.18 4.42 5.67 6.91 8.16	50.8 ACME Box (Top) x 40.6 EUE Box (Bottom) w/ 0.6m Orbit Tube	40.6 EUE Pin	40.6	60.3	73.0		044-2300 044-3500 044-4600 044-5750 044-6900	
7-750 7-1200 7-1600 7-1800 7-2400 7-3000	8.8	41.3 (H) ⊙	48.7	2.22 3.42 4.24 5.05 6.70 8.33	22.2 API	70.1	74.0	2.07 3.28 4.09 4.91 6.55 8.19	60.3 EUE Pin	60.3 EUE Pin	18.4	60.3	114.3	SH1	045-2500 045-4000 045-5400 045-6000 045-8000 045-10000	
8-1500 8-2250	7.9	53.2 (M) ⊙	62.9	2.36 3.36	22.2 API	95.6	106.7	2.01 3.00	88.9 EUE Pin	88.9 EUE Pin	40.6	73.0	139.7	PDL	056-5000 056-7500	
9-800 9-1200 9-1600	9.4	31.8 (H) ⊙	39.6	3.82 5.60 7.38	15.9 API	57.3		4.68 6.46 8.24	48.6 ACME Box w/ 1.1m Orbit Tube	48.6 ACME Pin	40.6	60.3	73.0		060-2650 060-4000 060-5300	
10-750 10-1200 10-1500 10-1800 10-2400 10-3000 10-3750	9.8	48.4 (M) ⊙	55.8	2.04 2.94 3.76 4.60 5.49 7.16 8.85	22.2 API	89.2	106.7	1.69 2.59 3.40 4.25 5.10 6.81 8.50	88.9 NUE Pin	73 EUE Pin	40.6	73.0	139.7	SH2	065-2500 065-4000 065-5000 065-6000 065-8000 065-10000 065-12500	
11-1200 11-1800	10.3	53.2 (M) ⊙	62.9	2.27 3.24	25.4 API	95.6	106.7	1.90 2.87	88.9 EUE Pin	88.9 EUE Pin	40.6	73.0	114.3	PDL	067-4000 067-6000	
15-700 15-1050 15-1410 15-1800 15-2100 15-2800	15.5	48.4 (M) ⊙	59.6	2.63 3.75 4.93 6.06 7.20 9.50	22.2 API	88.2	106.7	2.28 3.39 4.57 5.71 6.85 9.15	88.9 NUE Pin	73 EUE Pin	40.6	73.0	139.7	SH2	090-2300 090-3400 090-4600 090-6000 090-6900 090-9000	
16-600 HTL 16-1200 HTL 16-1800 HTL 16-2400 HTL 16-3000 HTL 16-3600 HTL	16.8	48.5 (M) ⊙	58.6	2.72 5.08 7.44 9.81 12.17 14.53	22.2 API	108.3		2.55 4.91 7.27 9.64 12.00 14.37	73 EUE Box	73 EUE Pin	40.6	73.0	139.7		094-2000 HTL 094-4000 HTL 094-6000 HTL 094-8000 HTL 094-10000 HTL 094-12000 HTL	
17-750 17-1200 17-1500 17-1800 17-2400 17-3000 17-3600	16.8	48.5 (M) ⊙	58.6	2.72 3.91 5.08 5.68 7.47 9.24 11.03	22.2 API	88.2	106.7	2.36 3.56 4.72 5.33 7.11 8.88 10.67	88.9 NUE Pin	73 EUE Pin	40.6	73.0	139.7	SH2	095-2500 095-4000 095-5000 095-6000 095-8000 095-10000 095-12000	

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m ³ /day/100rpm -m of lift	m ³ /day/100rpm -m of lift	mm (a)	mm	m (b)	mm (c)	mm (d)	mm (e)	m (f)	mm (g)	mm (h)	cm (i)	mm	mm		bpd/100rpm -ft of lift
21-440 21-660 21-880 21-1100 21-1320 21-1540 21-2200	21.0	41.3 (H) ⊙	52.3	2.90 4.13 5.39 6.62 7.88 9.11 12.86	22.2 API	70.0		3.20 4.44 5.69 6.93 8.18 9.42 13.16	55.9 EUE Box (Custom) w/ 0.6m Orbit Tube	48.3 EUE Pin (Welded)	55.9	60.3	88.9		131-1450 131-2150 131-2900 131-3600 131-4350 131-5100 131-7200
22-1500 ML 22-2250 ML 22-3000 ML	22.8	41.3 (H) ⊙	47.0	3.70 5.47 7.26	22.2 API	70.1	89.2	3.56 5.33 7.11	60.3 EUE Pin	73 EUE Pin	18.4	60.3	114.3	SH1	135-5000 ML 135-7500 ML 135-10000 ML
23-750 23-1200 23-1500 23-1875 23-2400 23-3000 23-3600	22.6	51.6 (M) ⊙	66.8	2.70 3.59 4.86 5.98 6.82 9.36 10.05	25.4 API	95.5	106.7	2.34 3.23 4.50 5.61 6.45 8.99 9.68	88.9 EUE Pin	88.9 EUE Pin	40.6	73.0	139.7	SH3	144-2500 144-4000 144-5000 144-6250 144-8000 144-10000 144-12000
24-600 24-900 24-1200 24-1500 24-1800 24-2100	23.8	45.5 (M) ⊙	59.8	2.94 4.29 5.62 6.96 8.31 9.64	22.2 API	89.2		2.67 4.02 5.35 6.69 8.04 9.38	73 EUE Box	73 EUE Pin	40.6	73.0	114.3		150-2000 150-3000 150-4000 150-5000 150-6000 150-7000
27-800 27-1200 27-1600 27-2000 27-2400 27-3200 27-4000	26.2	56.6 (M)	70.6	2.67 3.81 4.97 6.11 7.27 9.57 11.87	25.4 API	95.5	106.7	2.30 3.44 4.60 5.74 6.91 9.20 11.51	88.9 EUE Pin	88.9 EUE Pin	40.6	73.0	139.7	SH3	170-2600 170-4000 170-5300 170-6700 170-8000 170-10500 170-13400
32-600 32-900 32-1200 32-1500 32-1800 32-2100	29.8	57.7 (M)	71.1	3.09 4.46 5.82 7.19 8.56 9.92	25.4 API	114.6		2.72 4.10 5.45 6.82 8.20 9.55	88.9 EUE Box	88.9 EUE Pin	40.6	73.0	139.7	SH4 SH4 or HTL SH4 SH4 SH4 or HTL SH4	200-2000 200-3000 200-4000 200-5000 200-6000 200-7000
33-750 33-1200 33-1500 33-1900 33-2400	33.6	48.1 (M) ⊙	58.2	4.77 6.97 9.19 11.40 13.62	22.2 API	89.2	106.7	4.42 6.62 8.84 11.04 13.26	88.9 NUE Pin	73 EUE Pin	40.6	73.0	139.7	SH2	205-2500 205-4000 205-5000 205-6500 205-8000
39-750 39-1125 39-1500 39-1875	38.4	45.8 (M) ⊙	60.1	4.66 6.84 9.05 11.23	22.2 API	89.2		4.39 6.57 8.78 10.97	73 EUE Box	73 EUE Pin	40.6	73.0	114.3		245-2500 245-3750 245-5000 245-6250
40-750 ML 40-1200 ML 40-1500 ML	41.3	41.3 (H) ⊙	47.6	3.70 5.47 7.26	22.2 API	70.1	89.2	3.56 5.33 7.11	60.3 EUE Pin	73 EUE Pin	18.4	73.0	114.3	SH1	250-2500 ML 250-4000 ML 250-5000 ML
44-1000 44-1500 44-2000 44-2500 44-3000	42.8	57.0 (M)	70.9	5.14 7.52 9.92 12.30 14.70	25.4 API	95.5	106.7	4.78 7.16 9.55 11.93 14.33	88.9 EUE Pin	88.9 EUE Pin	40.6	73.0	139.7	SH3	275-3300 275-5000 275-6700 275-8350 275-10000
45-400 HTL 45-800 HTL 45-1200 HTL 45-1600 HTL	42.8	57.0 (M)	70.9	2.72 5.08 7.44 9.80	25.4 API	114.6		2.56 4.92 7.27 9.63	88.9 EUE Box	88.9 EUE Pin	40.6	73.0	139.7		280-2650 HTL 280-4000 HTL 280-5400 HTL 280-3000 HTL
47-750 47-1125 47-1500 47-1875 47-2250	44.1	55.9 (M)	73.9	4.21 6.13 8.06 9.98 11.91	25.4 API	114.6		3.85 5.76 7.70 9.61 11.55	88.9 EUE Box	88.9 EUE Pin	40.6	73.0	139.7	SH4 or HTL SH4 SH4 or HTL SH4 SH4 or HTL	295-2500 295-3750 295-5000 295-6250 295-7500

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Pump Series	Actual Displacement	Drift Dia.	Orbit Dia.	Length	Pin Connection	Tube OD	Max OD (Fittings)	Length (No tag bar)	Stator Tube Connections	Tagbar Threads (Intake)	Standard Tagbar Length	Min Tubing Size (Threaded)	Min Tubing Size (Threaded)	Available Options	Imperial	
m ³ /day/100rpm - m of lift	m ³ /day/100rpm - m of lift	mm (a)	mm	m (b)	mm (c)	mm (d)	mm (e)	m (f)	mm (g)	mm (h)	cm (i)	mm	mm		bpd/100rpm - ft of lift	
54-600 54-900 54-1200 54-1500 54-1800	51.2	58.3 (M)	72.4	4.46 6.50 8.56 10.60 12.66	25.4 API	114.6		4.10 6.14 8.20 10.24 12.30	88.9 EUE Box	88.9 EUE Pin	40.6	73.0	139.7	SH4 or HTL SH4 SH4 or HTL SH4 SH4 or HTL	340-2000 340-3000 340-4000 340-5000 340-6000	
64-600 64-900 64-1200 64-1500 64-1800	66.4	57.0	69.7	4.86 7.10 9.36 11.60 13.86	25.4 API	114.6		4.50 6.74 8.99 11.23 13.49	88.9 EUE Box	88.9 EUE Pin	40.6	73.0	139.7		400-2000 400-3000 400-4000 400-5000 400-6000	
70-900 70-1350 70-1800	68.5	66.5 (M)	85.5	4.86 7.10 9.36	28.6 API	115.2		5.18 7.42 9.68	88.9 EUE Box w/ 0.6m Orbit Tube	88.9 EUE Pin	40.6	88.9	139.7		440-3000 440-4450 440-6000	
74-200 HTL 74-800 HTL 74-1000 HTL 74-1200 HTL	79.8	56.4 (M)	70.5	2.66 9.57 11.87 14.17	25.4 API	114.6		2.50 9.40 11.70 14.01	88.9 EUE Box	88.9 EUE Pin	40.6	88.9	139.7		495-660 HTL 495-2650 HTL 495-3300 HTL 495-4000 HTL	
75-500 75-750 75-1000 75-1250 75-1500	79.8	56.4 (M)	70.5	5.14 7.52 9.92 12.30 14.70	25.4 API	95.3	106.3	4.78 7.16 9.55 11.93 14.33	88.9 EUE Pin	88.9 EUE Pin	40.6	73.0	139.7	SH3	500-1700 500-2500 500-3300 500-4200 500-5000	
80-800 80-1000 80-1200 80-1600 80-1800	78.8	65.5 (M)	85.0	4.86 5.98 7.10 9.36 10.48	28.6 API	115.2		5.18 6.30 7.42 9.68 10.80	88.9 EUE Box w/ 0.6m Orbit Tube	88.9 EUE Pin	40.6	88.9	139.7		505-2650 505-3200 505-4000 505-5300 505-6000	
96-520 96-800 96-1040 96-1300 96-1560	90.5	58.1 (M)	77.0	4.86 7.10 9.36 11.60 13.86	25.4 API	114.6		5.11 7.35 9.60 11.84 14.10	88.9 EUE Box w/ 0.6m Orbit Tube	88.9 EUE Pin	40.6	73.0	139.7	SH5 or HTL SH5 SH5 or HTL SH5 SH5 or HTL	600-1750 600-2650 600-3500 600-4300 600-5250	
98-790 98-1200 98-1580 98-1800	95.2	73.6 (M)	97.9	5.04 7.25 9.49 10.59	60.3 Pac	140.1		4.45 6.66 8.90 10.00	114.3 EUE Box	114.3 EUE Pin	91.4	114.3	None		615-2600 615-4000 615-5270 615-6000	
110-400 110-800 110-1000 110-1200	112.1	57.3 (M)	71.3	5.14 9.92 12.30 14.70	25.4 API	95.3	106.3	4.78 9.55 11.93 14.33	88.9 EUE Pin	88.9 EUE Pin	40.6	73.0	139.7	SH3	685-1300 685-2650 685-3200 685-4000	
111-800 111-1200 111-1600 111-1800	103.8	75.3 (M)	101.1	5.04 7.25 9.49 10.59	60.3 Pac	140.1		4.45 6.66 8.90 10.00	114.3 EUE Box	114.3 EUE Pin	91.4	101.6	None		690-2650 690-4000 690-5300 690-6000	
120-400 120-600 120-800 120-1000 120-1200	116.3	57.8	76.4	4.86 7.10 9.36 11.60 13.86	25.4 API	114.6		5.11 7.35 9.60 11.84 14.10	88.9 EUE Box w/ 0.6m Orbit Tube	88.9 EUE Pin	40.6	73.0	139.7	SH5 or HTL SH5 SH5 or HTL SH5 SH5 or HTL	755-1350 755-2000 755-2650 755-3300 755-4000	
125-750 ML 125-1200 ML 125-1500 ML	128.1	56.6 (M)	66.0	5.14 7.52 9.92	25.4 API	95.3	106.7	4.78 7.15 9.55	88.9 EUE Pin	73 EUE Pin	40.6	73.0	114.3	SH3	785-2500 ML 785-4000 ML 785-5000 ML	
130-650 130-1300 130-1625 130-1950	128.3	74.0 (M)	100.6	5.04 9.49 11.70 13.94	60.3 Pac	140.1		4.45 8.90 11.11 13.35	114.3 EUE Box	114.3 EUE Pin	91.4	101.6	None		820-2150 820-4300 820-5380 820-6450	
150-360 150-720 150-900 150-1100	154.5	61.1 (M)	78.3	5.23 10.10 12.52 14.96	25.4 API	114.6		5.07 9.93 12.36 14.80	88.9 EUE Box	88.9 EUE Pin	40.6	88.9	139.7		950-1200 950-2400 950-3000 950-3600	

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Pump Series	Actual Displacement m ³ /day/100rpm -m of lift	Drift Dia. mm (a)	Orbit Dia. mm	Length m (b)	Pin Connection mm (c)	Tube OD mm (d)	Max OD (Fittings) mm (e)	Length (No tag bar) m (f)	Stator Tube Connections mm (g)	Tagbar Threads (Intake) mm (h)	Standard Tagbar Length cm (i)	Min Tubing Size (Threaded) mm	Min Tubing Size (Threaded) mm	Available Options	Imperial bpd/100rpm -ft of lift	
155-150 HTL 155-450 HTL 155-600 HTL 155-750 HTL 155-900 HTL	154.5	61.1 (M)	78.3	2.78 7.61 10.02 12.44 14.85	25.4 API	114.6		2.62 7.45 9.86 12.28 14.69	88.9 EUE Box	88.9 EUE Pin	40.6	88.9	139.7		975-500 HTL 975-1500 HTL 975-2000 HTL 975-2500 HTL 975-3000 HTL	
165-900 165-1350 165-1800	160.0	101.2 (M)	128.1	5.77 8.31 10.87	73 Pac	168.5	178.1	5.09 7.63 10.19	168.3 BTC Pin	168.3 BTC Pin	91.4	139.7	N/A		1030-3000 1030-4500 1030-6000	
200-900 200-1350 200-1800	195.5	110 (M)	138.2	5.77 8.31 10.87	73 Pac	178.1	194.8	5.09 7.63 10.19	177.8 LTC Pin	168.3 BTC Pin	91.4	139.7	N/A		1260-3000 1260-4500 1260-6000	
206-600 206-900 206-1200 206-1500	209.6	95.2 (H)	128.3	5.35 7.69 10.04 12.37	50.8-8 UN 2A	168.3	177.8	4.69 7.02 9.37 11.71	168.3 BTC Pin	168.3 BTC Pin	91.4	114.3	N/A		1300-2000 1300-3000 1300-4000 1300-5000	
334-640 334-1280 334-1600	326.8	102.9 (M)	137.2	5.69 10.72 13.23	57.2 SA 2G	178.1	194.46	5.03 10.06 12.57	177.8 LTC Pin	168.3 BTC Pin	91.4	139.7	N/A		2100-2100 2100-4260 2100-5300	
82-600 MTM 82-1200 MTM	85.6	80.9	107.9	3.26 6.09	25.4 API	127.0	141.5	2.80 5.61	127 LTC pin	114.3 EUE Pin	50.8	114.3	N/A		520-2000 MTM 520-4000 MTM	
112-600 MTM 112-1200 MTM	115.5	91.0 (M)	121.5	3.26 6.08	25.4 API	141.3	153.9	2.80 5.61	139.7 LTC Pin	114.3 EUE Pin	50.8	114.3	N/A		700-2000 MTM 700-4000 MTM	
218-700 MTM	218.6	90.9 (M)	121.7	6.08	28.6 API	141.3	153.9	5.61	139.7 LTC Pin	114.3 EUE Pin	50.8	114.3	N/A		1370-2200 MTM	
300-510 MTM	300.5	90.9 (M)	121.7	6.08	28.6 API	141.3	153.9	5.61	139.7 LTC Pin	114.3 EUE Pin	50.8	114.3	N/A		1900-1600 MTM	

Notes:

- SH 1: Slim Hole. Stator maximum OD becomes 70mm, 1.2m long orbit tube added, stator tube threads become 60.3mm NUE Box, tagbar intake thread becomes 60.3mm NUE Pin, OAL increases by 1.2. Insertable in 88.9mm tubing.
- SH 2: Slim Hole. Stator maximum OD becomes 89mm, stator tube threads become 73mm EUE Box, tagbar intake thread becomes 73mm Pin, OAL increases by 0.18m. Insertable in 114.3mm tubing.
- SH 3: Slim Hole. Stator maximum OD becomes 95.4mm, 1.2m long orbit tube added, stator tube threads become 73mm EUE Box, tagbar intake thread becomes 73mm Pin, OAL increases by 1.3m. Insertable in 114.3mm tubing
- SH 4: Slim Hole. Stator maximum OD becomes 97.2mm, 0.56m long orbit tube added, stator tube threads become 73mm EUE Box, tagbar intake thread becomes 73mm Pin, OAL increases by 0.74m. Insertable in 139.7mm tubing.
- SH 5: Slim Hole. Stator maximum OD becomes 97.2mm, orbit tube length reduced by 50mm, stator tube threads become 73mm EUE Box, tagbar intake thread becomes 73mm Pin, OAL increased by 0.13m. Insertable in 139.7mm tubing.
- 88.9mm NUE Pin: Available on stator tubes with a standard 73mm EUE Box. Stator OAL unchanged. (Model 24, & 39)
- 114.3mm LTC Pin: Available on stator tubes with a standard 88.9mm EUE Box. Stator OAL unchanged. (Model 32, 45, 47, 54, 64, 70, 74, 75, 80, 96, 120, 150, 155)
- 139.7mm LTC Pin: Available on stator tubes with a standard 114.3mm EUE Box. Stator OAL unchanged. (Model 98, 111 & 130)

⊙ Coilable: 19mm coiled tubing can drift past the rotor inside 88.9mm tubing @ 13.8 kg/m

(M) & (H): Largest portion of the rotor used to determine the Drift Diameter. M - Rotor Major H - Rotor Head

PDL: Paddle Rotor. Rotor and tagbar length both increase by 0.5m

HTL: High Temperature Lock. These pumps are equipped with a mechanically secured metal cage inside the stator to ensure bond integrity at high temperatures.

ML: Multilobe. These pumps have a 2:3 rotor/stator geometric configuration.

MTM: Metal-To-Metal. These pumps have an all metal stator and contain no elastomer.

