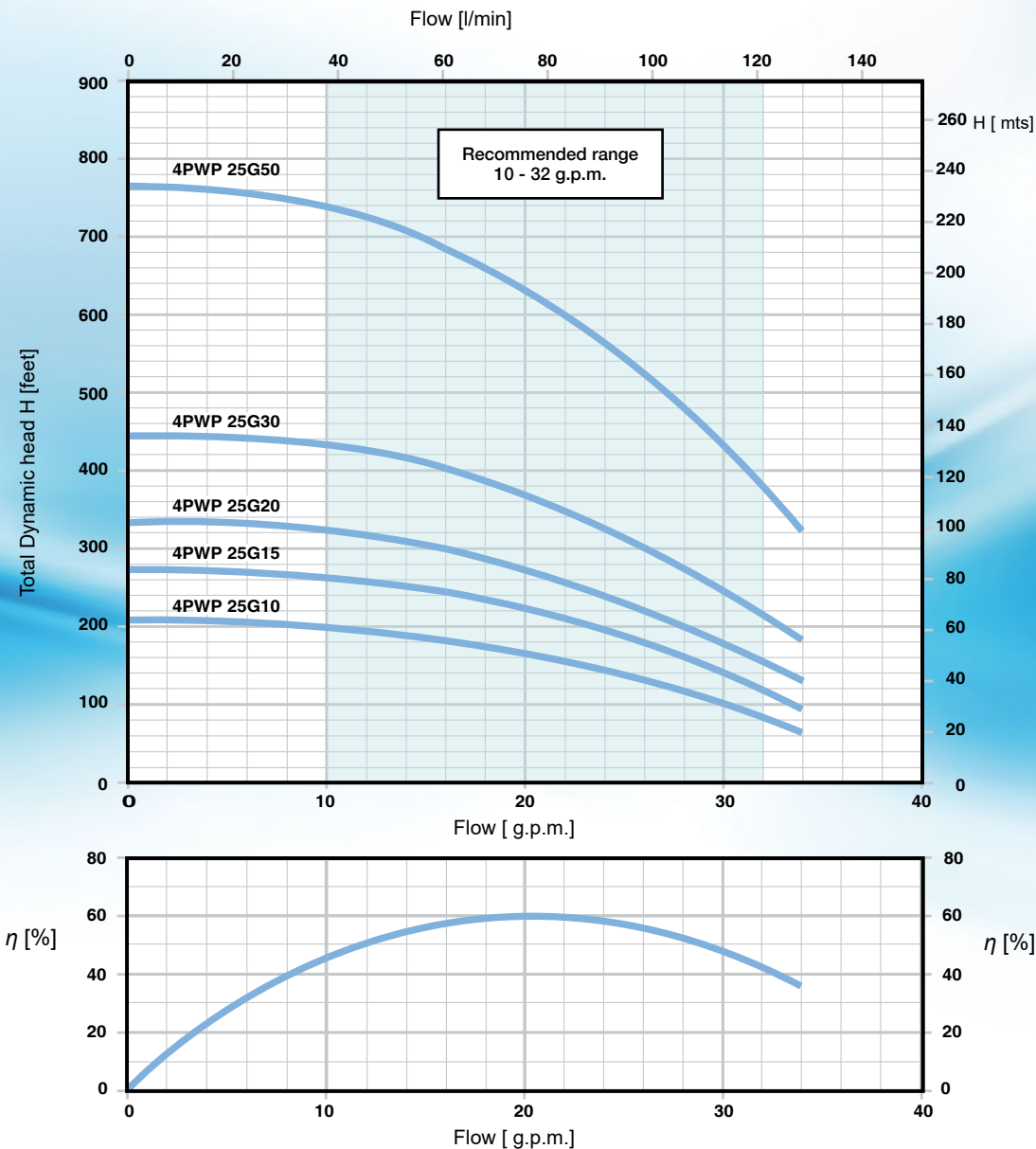


# Pearl®

## 4PWP 25

Performance Curves at 3450 r.p.m.

1 1/4" DISCHARGE



### Selection Chart

MODEL	STAGES	MOTOR		Q = FLOW																				PUMP END					
				l/min		30		35		40		50		60		70		80		90		100				120			
				gpm		7.9		9.3		10.6		13.2		15.9		18.5		21.2		23.8		26.5		31.7		LENGTH	WEIGHT		
				H = TOTAL HEAD IN METERS / FEET																									
				m	ft	m	ft	m	ft	m	ft	m	ft	m	ft	m	ft	m	ft	m	ft	m	ft	mm	in	kgs	lbs		
4PWP 25G10	7	0.75	1	64	210	63	207	62	203	61	200	59	194	57	187	54	177	50	164	45	148	40	131	27	89	320	12.6	3.1	6.9
4PWP 25G15	9	1.1	1.5	83	272	82	269	81	266	79	259	77	253	74	243	71	233	66	216	60	197	53	174	38	125	370	14.6	3.5	7.7
4PWP 25G20	11	1.5	2	101	331	100	328	98	321	96	315	94	308	91	298	86	282	81	266	75	246	67	220	49	161	419	16.5	3.9	8.6
4PWP 25G30	15	2.2	3	137	449	136	446	134	440	132	433	128	420	124	407	109	358	112	367	103	338	93	305	70	230	518	20.4	4.7	10.4
4PWP 25G50	26	3.7	5	234	768	232	761	228	748	223	731	218	715	210	689	200	656	188	617	175	574	160	525	122	400	826	32.5	7.1	15.7

HP Range: 1 - 5 HP  
 Recommended Flow Range: 10 - 32 g.p.m.

MODEL	HP	PSI	DEPTH TO WATER IN FEET / FLOW IN GPM																											
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	380	420	460	500	540	580	620	660	700			
4PWP 25G10	1	0			34	32	30	28	25	21	17	10																		
		20	34	31.5	29.8	27.8	24.5	20.7	16.5	11.8	11																			
		30	31.2	29	26.5	23	19	14.5	11	13																				
		40	28.8	26.3	22.8	18.8	14.2	11																						
		50	25.2	22.8	18.5	14	11																							
		60	21	17	12																									
<b>Shut-off PSI</b>		91	82	74	65	56	48	39	30	22	13	4																		
4PWP 25G15	1.5	0					34	32	30	28	26	24	21	17	10															
		20			33	31.5	29.2	27.2	24.5	23	20	16.5	12.5																	
		30		33	31	29	27	25	22.5	19	15	12																		
		40	31.5	31	28.8	26.8	24.8	22.5	19	15	12																			
		50	30.8	28.8	26.8	24.8	22.5	19	14.7	12																				
		60	28	26	24	21	17	13																						
<b>Shut-off PSI</b>		118	109	101	92	83	75	66	57	49	40	31	23	14	5															
4PWP 25G20	2	0							33.4	31.7	30	28	26	24	22	19.5	16	3												
		20					32.5	31.5	29.8	27.8	25.8	23.8	21.8	19.2	15.8	10.3														
		30			34	32	30.8	30	27	25	23	21.7	18	10	6															
		40		34	32.2	31.5	30	27	25	23	21	18	7	6																
		50	34	32	31.5	30	27	25	23	21	17	12	6																	
		60	31.7	30	28	26	24	22	19.5	16	10.5	2.5																		
<b>Shut-off PSI</b>		143	135	126	117	109	100	91	83	74	65	57	48	40	31	22	14	4												
4PWP 25G30	3	0									34	33	31.8	30.4	29	27.8	26	22.6	19	13										
		20								34	32.4	31.5	30.2	28.8	27.5	25.8	24	22.4	19	13										
		30								33.5	32.2	31.1	29.6	28.6	26.5	25	23.5	21.8	19.8	13										
		40						33	32.2	31.2	29.5	28.5	26.5	25	23.5	21.8	19	17	11											
		50					33.2	32	31	30	28.5	26.5	25	23.5	22	20	16.5	14												
		60		34	33	32	30.4	29	27.8	26	24.3	22.6	21	19	16.4	13	6													
<b>Shut - off PSI</b>		195	186	177	169	160	151	143	134	125	117	108	99	91	82	73	65	47	30	13										
MODEL	HP	PSI	20	40	60	80	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100			
4PWP 25G50	5	0											33	31	29.5	27	25	22	18.7	14.8	7.5									
		20											33.2	31.2	29.7	27.2	25.2	22.2	19	15	7.3									
		30											34	32.5	30.5	28.5	26	23.5	20.8	16.5	12									
		40											34	33	31	29.5	27	25	22	19	15	9.8								
		50											34	32.2	30.5	28.2	26.5	23.8	21	18	13.5									
		60											33.5	31.5	29.5	27.5	25.3	22.5	19	15.5	9									
<b>Shut-off PSI</b>		332	324	315	306	298	289	267	246	224	202	181	159	137	116	94	72	51	29	8										

\* Friction losses in pipe have not been calculated.

### Weight and Dimensions with Pearl 4" Motors

MODEL	HP	KW	PUMP END H1				1 PH MOTOR - 3W						1 PH MOTOR - 2W						3 PH MOTOR - 3W					
			HEIGHT		WEIGHT		MOTOR H2		PUMP + MOTOR				MOTOR H2		PUMP + MOTOR				MOTOR H2		PUMP + MOTOR			
			inch	cm	lbs	kg	inch	cm	inch	cm	lbs	kg	inch	cm	inch	cm	lbs	kg	inch	cm	inch	cm	lbs	kg
4PWP 25G10	1	0.75	12.6	32.0	6.9	3.1	11.3	28.6	23.9	60.6	26.7	12.1	17.9	45.5	30.5	77.5	27.4	12.4	10.5	26.6	23.1	58.6	24.5	11.1
4PWP 25G15	1.5	1.1	14.6	37.0	7.7	3.5	13.0	33.1	27.6	70.1	32.0	14.5	19.7	50.0	34.3	87.0	32.7	14.8	11.3	28.6	25.8	65.6	27.6	12.5
4PWP 25G20	2	1.5	16.5	41.9	8.6	3.9	15.5	39.3	32.0	81.2	37.3	16.9							13.7	34.8	30.2	76.7	32.9	14.9
4PWP 25G30	3	2.2	20.4	51.8	10.4	4.7	16.3	41.3	36.7	93.1	40.9	18.5							15.5	39.3	35.9	91.1	39.1	17.7
4PWP 25G50	5	3.7	32.5	82.6	15.7	7.1	26.9	68.4	59.4	151.0	74.3	33.6							24.2	61.4	56.7	144.0	66.5	30.1
4PWP 35G10	1	0.75	14.1	35.9	7.5	3.4	11.3	28.6	25.4	64.5	27.4	12.4	17.9	45.5	31.8	80.8	28.1	12.7	10.5	26.6	24.6	62.5	25.2	11.4
4PWP 35G15	1.5	1.1	16.6	42.1	8.8	4.0	13.0	33.1	29.6	75.2	33.2	15.0	19.7	50.0	36.3	92.1	33.8	15.3	11.3	28.6	27.8	70.7	28.7	13.0
4PWP 35G20	2	1.5	19.0	48.3	10.2	4.6	15.5	39.3	34.5	87.6	38.9	17.6							13.7	34.8	32.7	83.1	34.5	15.6
4PWP 35G30	3	2.2	23.9	60.7	12.6	5.7	16.3	41.3	40.2	102.0	43.1	19.5							15.5	39.3	39.4	100.0	41.3	18.7
4PWP 35G50	5	3.7	35.2	89.3	17.9	8.1	26.9	68.4	62.1	157.7	76.5	34.6							24.2	61.4	59.3	150.7	68.7	31.1
4PWP 35G75	7.5	5.5	49.5	125.7	25.6	11.6													26.9	68.4	76.4	194.1	84.4	38.2
4PWP 40G15	1.5	1.1	12.8	32.5	6.9	3.1	13.0	33.1	25.8	65.6	31.2	14.1	19.7	50.0	32.5	82.5	31.8	14.4	11.3	28.6	24.1	61.1	26.7	12.1
4PWP40G20	2	1.5	14.0	35.6	7.5	3.4	15.5	39.3	29.5	74.9	36.2	16.4							13.7	34.8	27.7	70.4	31.8	14.4
4PWP 40G30	3	2.2	16.5	41.8	8.8	4.0	16.3	41.3	32.7	83.1	39.3	17.8							15.5	39.3	31.9	81.1	37.6	17.0
4PWP 40G50	5	3.7	23.8	60.4	12.6	5.7	26.9	68.4	50.7	128.8	71.2	32.2							24.2	61.4	48.0	121.8	63.4	28.7
4PWP 40G75	7.5	5.5	33.8	85.9	17.2	7.8													26.9	68.4	60.7	154.3	76.0	34.4
4PWP 55G15	1.5	1.1	17.0	43.3	9.5	4.3	13.0	33.1	30.1	76.4	33.8	15.3	19.7	50.0	36.7	93.3	34.5	15.6	11.3	28.6	28.3	71.9	29.4	13.3
4PWP 55G20	2	1.5	21.1	53.7	11.7	5.3	15.5	39.3	36.6	93.0	40.4	18.3							13.7	34.8	34.8	88.5	36.0	16.3
4PWP 55G30	3	2.2	25.2	64.1	13.7	6.2	16.3	41.3	41.5	105.4	44.2	20.0							15.5	39.3	40.7	103.4	42.4	19.2
4PWP 55G50	5	3.7	37.5	95.3	19.9	9.0	26.9	68.4	64.4	163.7	78.5	35.5							24.2	61.4	61.7	156.7	70.7	32.0
4PWP 55G75	7.5	5.5	53.0	134.5	27.2	12.3													26.9	68.4	79.9	202.9	86.0	38.9
4PWP 60G15	1.5	1.1	14.9	37.8	8.6	3.9	13.0	33.1	27.9	70.9	32.9	14.9	19.7	50.0	34.6	87.8	33.6	15.2	11.3	28.6	26.1	66.4	28.5	12.9
4PWP 60G20	2	1.5	16.9	43.0	9.7	4.4	15.5	39.3	32.4	82.3	38.5	17.4							13.7	34.8	30.6	77.8	34.0	15.4
4PWP 60G30	3	2.2	21.0	53.4	11.7	5.3	16.3	41.3	37.3	94.7	42.2	19.1							15.5	39.3	36.5	92.7	40.4	18.3
4PWP 60G50	5	3.7	29.2	74.2	15.9	7.2	26.9	68.4	56.1	142.6	74.5	33.7							24.2	61.4	53.4	135.6	66.7	30.2
4PWP 60G75	7.5	5.5	43.0	109.2	22.3	10.1													26.9	68.4	69.9	177.6	81.1	36.7
4PWP 80G30	3	2.2	18.6	47.2	9.7	4.4	16.3	41.3	34.8	88.5	40.2	18.2							15.5	39.3	34.1	86.5	38.5	17.4
4PWP 80G50	5	3.7	29.3	74.3	12.4	5.6	26.9	68.4	56.2	142.7	70.9	32.1							24.2	61.4	53.4	135.7	63.2	28.6
4PWP 80G75	7.5	5.5	42.6	108.1	21.9	9.9													26.9	68.4	69.5	176.5	80.7	36.5