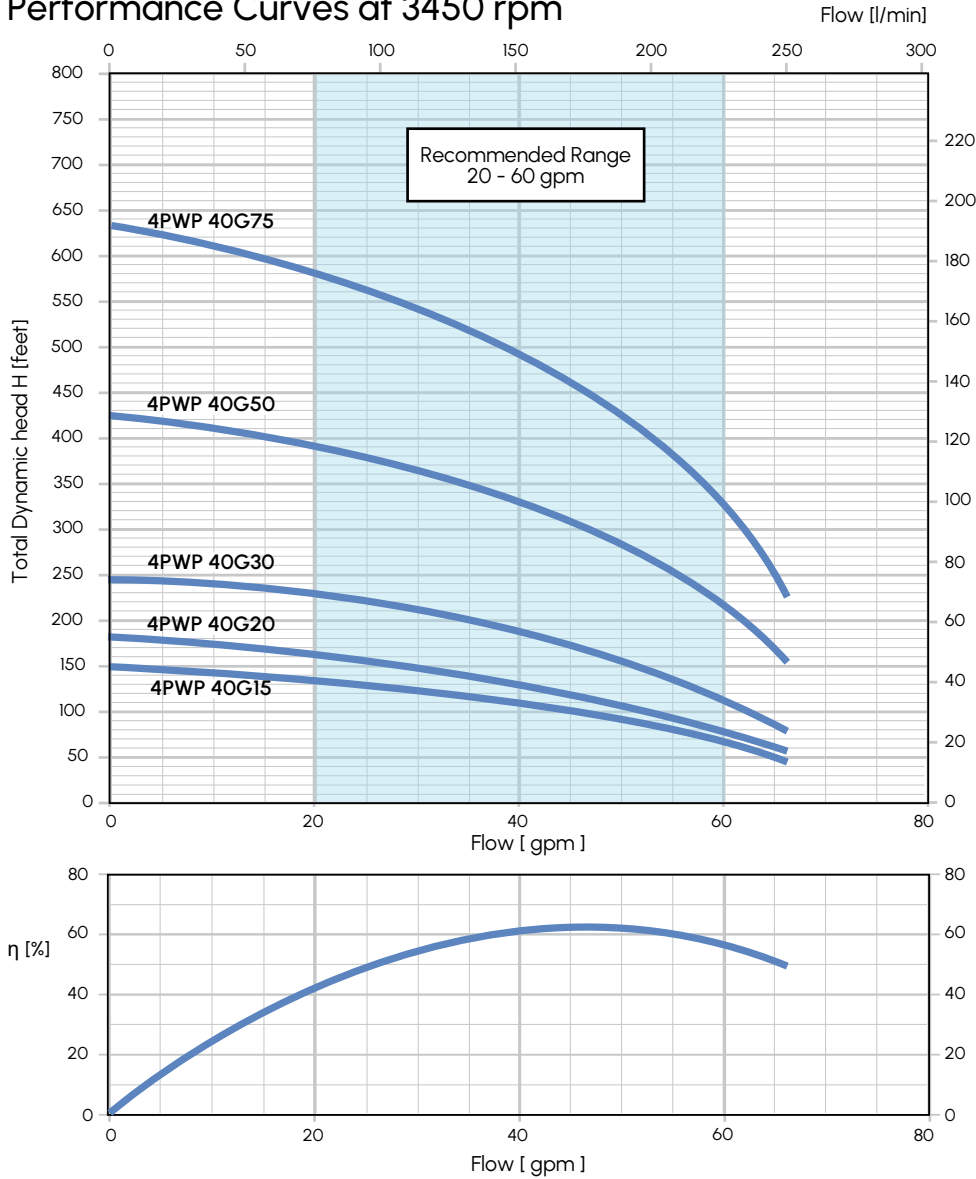


# 4PWP 40

4" SUBMERSIBLE WATER PUMPS



## Performance Curves at 3450 rpm



2" DISCHARGE



## Selection Chart

MODEL	STAGES	MOTOR KW HP	Q = FLOW																								PUMP END										
			l/min		50		60		70		80		90		100		120		140		160		180		200				250								
			gpm		13.2		15.9		18.5		21.2		23.8		26.5		31.7		37.0		42.3		47.6		52.9		66.1										
			H = TOTAL HEAD IN METERS / FEET																																		
		m		ft		m		ft		m		ft		m		ft		m		ft		m		ft		m		ft		mm		in		kgs		lbs	
4PWP 40G15	5	1.1	1.5	46	151	44	144	43	141	42	138	41	134	40	131	39	128	37	121	35	115	33	108	29	95	25	82	14	46	325	12.8	3.1	6.9				
4PWP 40G20	6	1.5	2	55	180	51	167	50	164	49	161	48	157	47	154	47	154	45	148	42	138	38	125	35	115	30	98	17	56	356	14.0	3.4	7.5				
4PWP 40G30	8	2.2	3	74	243	71	233	70	230	69	226	68	223	67	220	66	216	63	207	60	197	56	184	50	164	43	141	24	79	418	16.5	4.0	8.8				
4PWP 40G50	14	3.7	5	129	423	123	403	121	397	118	387	116	380	115	377	113	371	108	354	103	338	97	318	90	295	81	266	48	157	604	23.8	5.7	12.6				
4PWP 40G75	21	5.5	7.5	194	636	183	600	180	590	178	584	175	574	173	567	169	554	162	531	154	505	145	476	145	476	120	394	68	223	859	33.8	7.8	17.2				

# 4PWP 40

4" SUBMERSIBLE WATER PUMPS



Power Range: 1.5 - 7.5 hp  
Recommended Flow Range: 20 - 60 gpm

MODEL	HP	PSI	DEPTH TO WATER IN FEET / FLOW IN GPM																											
			10	20	30	40	50	60	70	80	90	100	120	140	160	180	200	240	280	300	320	300	320	340	360	380	400			
4PWP 40G15	1.5	0					65	63	57	54	50	45	32.0	15																
		20	64	60	58	52.5	48	43	34	27	20	12																		
		30	52.5	50	45.3	40	31	22	12	5																				
		40	42.5	38	30	22	12																							
		50	27.5	17	12																									
Shut-off PSI		65	60.99	57	52	48	44	39	35	31	26	22	13	5																
4PWP 40G20	2	0						66	63	58	56	53	43	34	22															
		20	65.2	64	62	58.5	55.1	50	46	41	36	32	17																	
		30	57.5	55	52.5	47.5	44	38	34	28	22	12																		
		40	52.5	50	45	37	32	24	22	12																				
		50	42.5	37.5	32	27	17.5	12																						
Shut-off PSI		78	74	69	65	61	56	52	48	43	39	35	26	17	9															
4PWP 40G30	3	0								66	64	62.5	57	53	43	42	35	10												
		20				65	64	62	58.5	57.5	55	53	47	40	32	25	5													
		30		66	62.5	60	58	57	55	53	43	42	38	31	20	5														
		40	62.5	60	57.5	55	52.5	50	47	45	42	37	30	17																
		50	57.5	55	52.5	50	47.5	44	41	38	33	27	20																	
		60	51.5	48.5	45	42.5	37	35	30	25	17	10																		
Shut-off PSI		105	101	96	92	88	83	79	75	70	66	62	53	44	36	27	18	1												
4PWP 40G50	5	0								66	64	62	58	56	53	50	46	42	37	32	23	16	5							
		20						66	61	58	55	52	49	45	41	37	30	21	15											
		30					66	63	57	56	52	48	44	40	34	27	18	5												
		40				65	62.5	61	55	52	47	43	38	33	26	22	5													
		50		66.5	65	62.5	60	57	51	47	43	38	33	26	22	5														
		60	66.5	65	62.5	56	53	50	46	42	37	32	23	16	5															
Shut-off PSI		183	175	166	157	149	140	131	114	105	97	88	79	71	62	53	45	36	27	19	10	1								
4PWP 40G75	7.5	0										65.5	64.5	63	63	61	58	57	55	53	51	48	45	38	30	20				
		20										65.5	64	63	62	61	58	57	55	53	51	48	45	42	38	30	20	5		
		30							66.5	65	64	63	61.5	59	58	57	53	52	48	46	43	40	37	32	22	10				
		40							65	63.5	62.5	61.5	60	57.5	56.5	53	52	49	47	43	40	36	32	27	15					
		50							65.5	63.5	62.5	61	59	57	56	53	52	48	44	42	38	35	31	27	21.5	7.5				
		60						66	64.5	62.5	61.5	58	57	55	53	51	48	45	42	38	34	30	25	20	12.5					
Shut-off PSI		275	267	258	250	241	232	224	206	198	189	180	172	163	154	146	137	128	120	111	102	94	85	76	59	42	24			

\* Friction losses in pipe have not been calculated.

# 4PWP 40

4" SUBMERSIBLE WATER PUMPS



## Weight and Dimensions for 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 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
4PWP 40G20	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