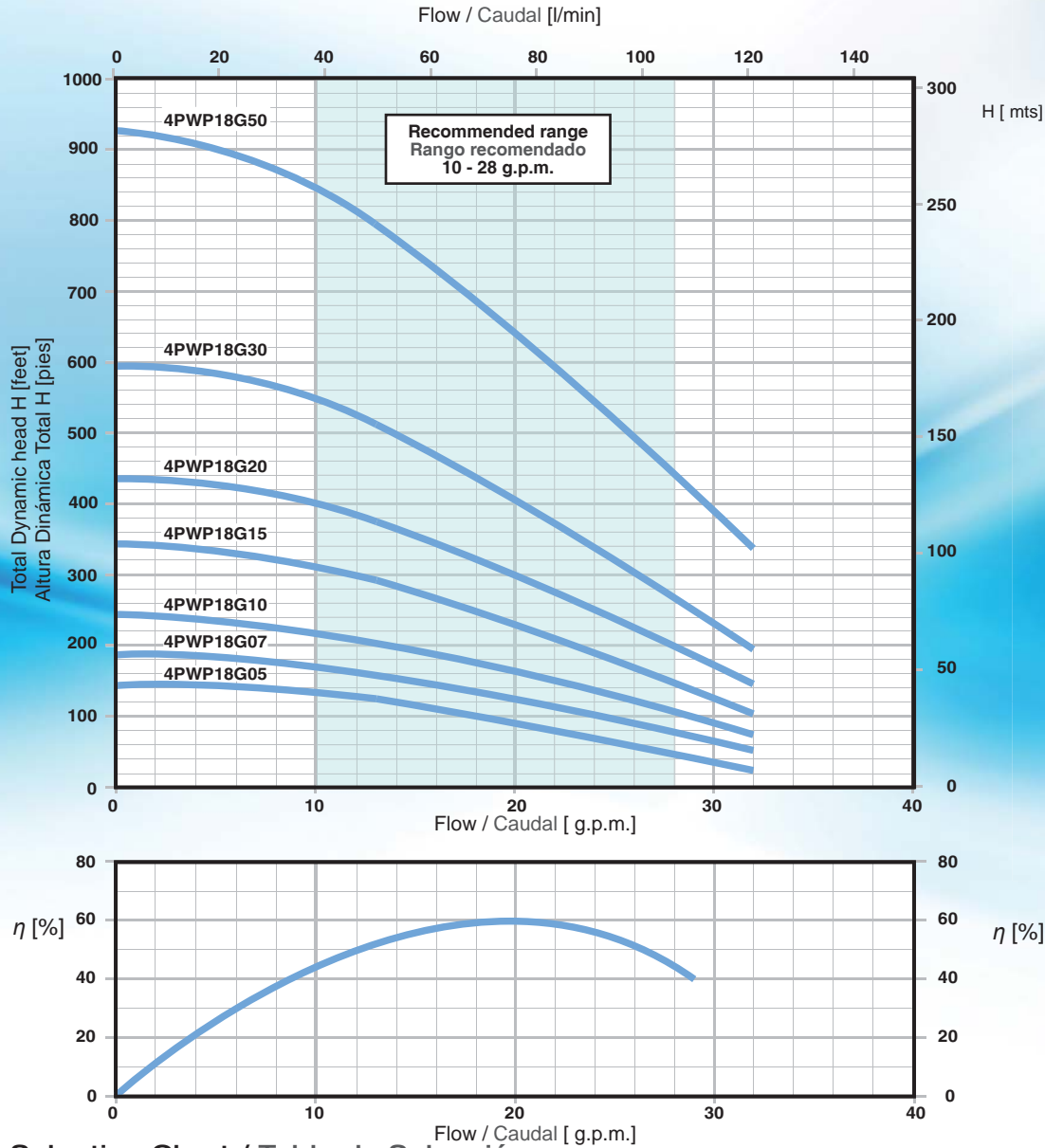


Pearl 4PWP18

Performance Curves at 3450 r.p.m. / Curvas de Rendimiento a 3450 r.p.m.

1 1/4"
DISCHARGE
DESCARGA



Selection Chart / Tabla de Selección

MODEL MODELO	STAGES / ETAPAS	MOTOR		Q = FLOW / CAUDAL																								PUMP END HIDRAULICA			
		KW	HP	H = TOTAL HEAD IN METERS / FEET ALTURA DINAMICA TOTAL EN METROS / PIES																								LENGTH ALTURA	WEIGHT PESO		
				l/min		gpm		0		25		30		35		40		50		60		70		80		90				100	
4PWP18G05	5	0.37	0.5	45	148	44	144	42	138	41	134	40	131	38	125	35	115	31	102	27	89	21	69	15	49	9	30	257	10.1	2.7	6.0
4PWP18G7	6	0.55	0.75	56	184	55	180	54	177	53	174	52	171	49	161	45	148	41	134	37	121	30	98	23	75	16	52	279	11.0	2.8	6.2
4PWP18G10	8	0.75	1	75	246	74	243	72	236	70	230	68	223	65	213	61	200	55	180	49	161	41	134	32	105	22	72	322	12.7	3.1	6.9
4PWP18G15	11	1.1	1.5	104	341	103	338	98	321	96	315	94	308	90	295	84	276	77	253	68	223	58	190	46	151	33	108	387	15.2	3.6	8.0
4PWP18G20	14	1.5	2	133	436	130	426	124	407	123	403	120	394	115	377	108	354	99	325	88	289	75	246	61	200	45	148	452	17.8	4.1	9.1
4PWP18G30	19	2.2	3	181	594	178	584	172	564	167	548	165	541	156	512	146	479	134	440	119	390	102	335	81	266	60	197	560	22.0	4.9	10.8
4PWP18G50	30	3.7	5	283	928	280	918	270	886	260	853	254	833	242	794	228	748	210	689	189	620	164	538	135	443	102	335	827	32.6	7.1	16

HP Range / Rango HP: 1/2 - 5 HP

Recommended Flow Range / Rango de Operación Recomendado: 10 - 28 g.p.m.

MODEL MODELO	HP	PSI	DEPTH TO WATER IN FEET / FLOW IN GPM PROFUNDIDAD DEL AGUA EN PIES / CAUDAL EN 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			
4PWP18G05	0.5	0	32	29	26	21	18	13	8																					
		20	25	21	16	12	5																							
		30	20	16	10																									
		40	16	10																										
		50	10																											
Shut-off PSI Presión máx.PSI		64	55	47	38	29	21	12	3																					
4PWP18G07	0.7	0			31	27	24.5	20.6	16	12	4																			
		20	30.2	26.5	23	21	16	11	6																					
		30	26	22	18	12	9	3																						
		40	24	19	12	9	3																							
		50	19	12	9	3																								
Shut-off PSI Presión máx.PSI		80	71	62	54	45	36	28	19	10	2																			
4PWP18G10	1	0				31.5	29	26	23.5	21	17	14	10	2																
		20		30.5	29	26	23	20.5	16	11	9.5	2																		
		30	30	28.5	25	22	18	15	12	7																				
		40	27	25	22	18	15	12	7																					
		50	23.5	22	18	15	12	7																						
Shut-off PSI Presión máx.PSI		107	98	89	81	72	63	55	46	37	29	20	11	3																
4PWP18G15	1.5	0				31	30.5	29	27	25	23	21	19	16.8	14.5	12	2													
		20			31	30.5	28	26	24	22	20	18	16	14	11.5	8	2													
		30		30.5	29.5	28	26	24	22	20	18	16	14	10	6															
		40	30.7	29.5	28	26	24	22	20	18	16	14	10	6																
		50	29.5	28.5	25.5	23.5	20.8	19.8	17.8	14.8	12.8	9.8	6																	
Shut-off PSI Presión máx.PSI		148	139	130	122	113	104	96	87	78	70	61	52	44	35	26	18													
4PWP18G20	2	0						31	31	29.6	28	26.8	25	23	22	20	16.4	12.4	6											
		20					31	30.5	29	27.5	26	24.4	22.4	21	19.5	17.8	16	12	6											
		30					31	30	28.9	27.5	26	24	22.5	21	19	17.2	15.4	13.4	9											
		40				30.7	30	28.9	27.5	26	24	22.5	21	19	17.2	15.4	13.4	11	3											
		50			30.5	29.8	28.2	27	26	24	22.5	21	19	17.2	15.5	13	10.2	7												
Shut-off PSI Presión máx.PSI		189	180	172	163	154	146	137	128	120	111	102	94	85	76	68	59	42	24	7										
4PWP18G30	3	0										32	30.5	29.5	28.5	27.5	26.5	24	21.5	19.5	16.5	14	11	5						
		20										32	30.2	29.2	28.2	27.2	26.2	25.5	24	21.2	19.2	16.2	13.8	10.8	5.8					
		30										32	31.2	30.2	29	28	27	26	24.7	23.5	22.5	20	17.2	14.2	11.7	7				
		40										32	31.2	30.2	29	28	27	26	25	23	22	20	17	14	13	10	3			
		50										32	31	30	29	28	27	25.8	24.5	22.5	21.8	20.5	19.7	16.8	12	10.5	7.5			
Shut-off PSI Presión máx.PSI		257	248	240	231	222	214	205	196	188	179	170	162	153	144	136	127	110	92	75	58	41	23	6						
MODEL MODELO	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			
4PWP18G50	5	0										31.5	29.7	27.8	25.8	23.9	21.8	19.7	17.8	15	12.6	10	5							
		20										31.5	30	28	26	24	22	20	18	15	12.4	10	6							
		30										31	29	27	25	23	21	19	16.5	14	11.5	8	2							
		40										32	30.2	28.2	26.2	24.2	22.2	20.2	18	15	12.6	10	5.8							
		50										31	29	27	25	23	21	19	16	14	11.5	8	2							
Shut-off PSI Presión máx.PSI		402	393	385	376	367	359	337	315	294	272	250	229	207	185	164	142	120	99	77	55	34	12							

* Friction losses in pipe have not been calculated / Las pérdidas por fricción en la tubería no han sido consideradas.



Pearl

4" Submersible Pumps

Bombas Sumergibles de 4"



Application

Multi purpose applications in the residential, agriculture and industrial markets. Perfect for pressure boosting application, irrigation and water transfer.

Performance Range

- Flow from 5 GPM to 80 GPM.
- Head up to 1350 feet.

Features

- Continuous duty: PEARL submersible pumps can operate continuously without damage to any component.
- Impeller floating system: designed to guarantee the best performance and durability for sand handling.
- NEMA Standard motor adapter.
- Shaft for pumps with 19 and fewer stages are supplied with one shaft bearing. Shaft for pumps with more than 19 stages are supplied with 2 shaft bearings.
- Built-in stainless steel check valve.

Aplicaciones

Se usan en el mercado residencial, industrial y agricultura. Perfectas para aplicaciones en las cuales se necesita incrementar la presión, sistemas de riego y transferencia de agua.

Rango de Operación

- Caudal desde 5 Gpm (19 LPM) hasta 80 GPM (300 LPM).
- Presión hasta 1350 Pies (412 m).

Características

- Uso continuo: Las bombas sumergibles PEARL, pueden trabajar continuamente sin dañar ninguno de sus componentes.
- Sistemas de Impulsores Flotantes: Su diseño garantiza el mejor rendimiento y durabilidad aún en presencia de arena.
- Acople Motor-Bomba NEMA.
- El eje de las bombas de 19 etapas o menos viene con un soporte superior. Ejes de las bombas con más de 19 etapas viene con un soporte superior y un soporte intermedio.
- Válvula de retención incorporada.

Construction Materials

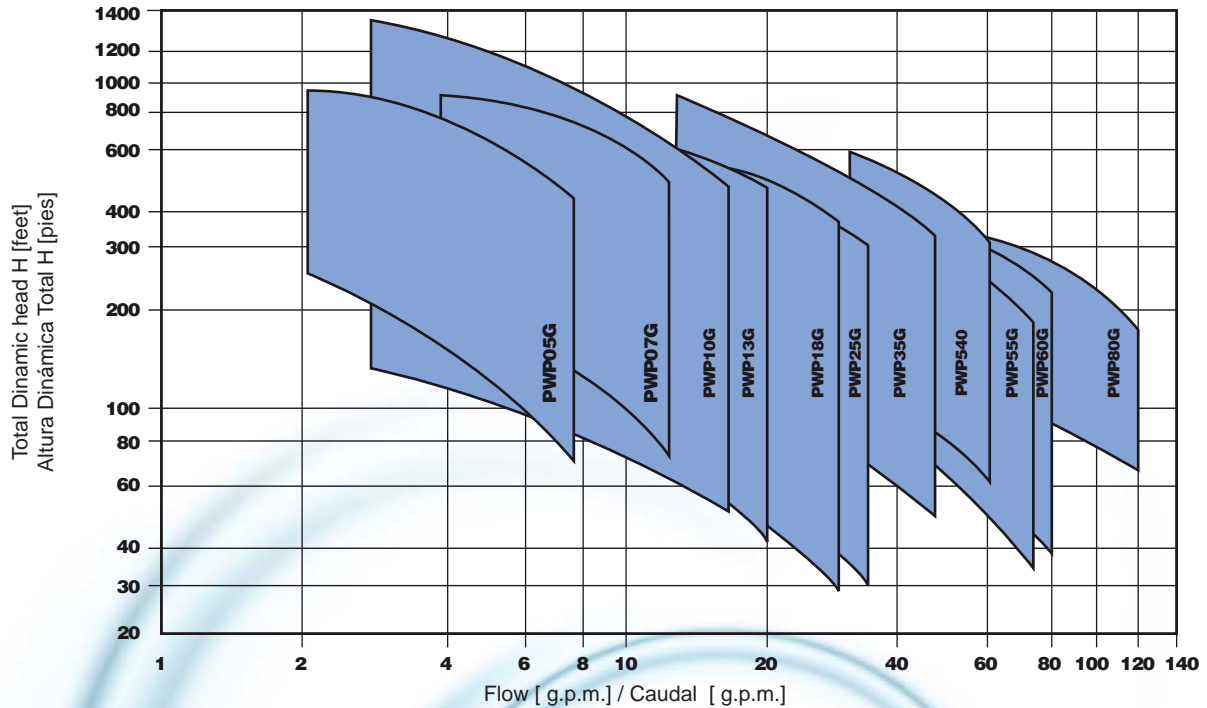
DISCHARGE HEAD	Stainless Steel 304, discharge 1 1/4" up to 25 GPM series and 2" from 35 GPM to 80 GPM series
MOTOR ADAPTER	Stainless Steel 304, NEMA standard
CHECK VALVE	Stainless Steel 304
EXTERNAL SLEEVE	Stainless Steel 304 Polished
IMPELLERS	Floating type impellers in Noryl
DIFFUSERS	Polycarbonate
SHAFT COUPLING	Stainless Steel 304
SHAFT	Stainless Steel 304
CABLE GUARD	Stainless Steel 304

Materiales de Construcción

DESCARGA	Acero inoxidable 304, diámetro de la descarga 1 1/4" en modelos hasta 25 GPM y 2" para modelos desde 35 gpm hasta 80 GPM
ADAPTADOR DE MOTOR	NEMA estándar en acero inoxidable 304
VALVULA CHECK	Acero inoxidable 304
CAMISA EXTERNA	Acero inoxidable 304 Pulido
IMPULSORES	Tipo flotante en Noryl
DIFUSORES	Tecnopolímero
ACOPLE DEL MOTOR	Acero inoxidable 304
EJE	Acero inoxidable 304
GUARDA CABLE	Acero inoxidable 304

Range of Performance and Nomenclature Information Rango de Operación e Información de la Nomenclatura

Performance Curves at 3450 r.p.m / Curvas de Rendimiento a 3450 r.p.m



Reading the Pump Data in the Label / Lectura de la información de la bomba en la etiqueta

Example / Ejemplo:

Model | Modelo

Pearl

Model: 4PWP10G HP: 2

Pump shut off | Altura máxima total H. max: 640 feet RPM: 3450

Pump head at designed flow | Presión en caudal nominal H: 485 feet Q: 10 GPM

S/N: T11010240001_001

Pump serial number | Número de serie de la bomba Data Code DC 11A

Production date code | Fecha de producción

Model Number/
Modelo

4	PWP	18G	10
WELL DIAMETER Diámetro del pozo	TYPE Tipo	SERIES	HP
4 = 4 inches / plg 6 = 6 inches / plg	PWP = Plastic Impeller Impulsor plástico PWS = 100% Stainless Steel Acero inoxidable	05G = 5GPM 07G = 7GPM 10G = 10GPM 13G = 13GPM 18G = 18GPM 25G = 25GPM 35G = 35GPM 40G = 40GPM 55G = 55GPM 60G = 60GPM 80G = 80GPM	05 = 1/2 Hp 07 = 3/4 Hp 10 = 1 Hp 15 = 1.5 Hp 20 = 2 Hp 30 = 3 Hp 50 = 5 Hp 75 = 7.5 Hp 100 = 10 Hp



Pearl

Weight and Dimensions with Pearl 4" Motors Pesos y Dimensiones con Motor Pearl 4"



PEARL POWER 4

MODEL MODELO	HP	KW	PUMP END H1 HIDRÁULICA H1				1 PH MOTOR - 3W / MOTOR 1F - 3 HILOS						1 PH MOTOR - 2W / MOTOR 1F - 2 HILOS						3 PH MOTOR - 3W / MOTOR 3F - 3 HILOS					
			HEIGHT ALTURA		WEIGHT PESO		MOTOR H2		PUMP + MOTOR BOMBA + MOTOR				MOTOR H2		PUMP + MOTOR BOMBA + MOTOR				MOTOR H2		PUMP + MOTOR BOMBA + MOTOR			
			inches plg	cm	lbs	kg	inches plg	cm	inches plg	cm	lbs	kg	inches plg	cm	inches plg	cm	lbs	kg	inches plg	cm	inches plg	cm	lbs	kg
4PWP05G05	0.5	0.37	12.0	30.6	6.9	3.1	8.5	21.6	20.6	52.2	21.7	9.8	15.9	40.5	28.0	71.1	23.0	10.4	8.5	21.6	13.2	33.6	20.1	9.1
4PWP05G05H	0.5	0.37	14.1	35.9	8.0	3.6	8.5	21.6	20.6	52.2	22.8	10.3	15.9	40.5	28.0	71.1	24.1	10.9	8.5	21.6	22.6	57.5	21.2	9.6
4PWP05G7	0.75	0.55	16.2	41.1	9.1	4.1	10.5	26.6	26.7	67.7	26.7	12.1	17.1	43.5	25.5	64.7	27.8	12.6	10.5	26.6	26.7	67.7	23.9	10.8
4PWP05G10	1.0	0.75	19.6	49.9	10.8	4.9	11.3	28.6	30.9	78.5	30.7	13.9	17.9	45.5	37.6	95.4	31.4	14.2	10.5	26.6	30.1	76.5	28.5	12.9
4PWP05G15	1.5	1.1	25.3	64.2	12.8	5.8	13.0	33.1	38.3	97.3	37.1	16.8	19.7	50.0	45.0	114.2	37.8	17.1	11.3	28.6	36.5	92.8	32.7	14.8
4PWP05G20	2	1.5	29.8	75.7	16.1	7.3	15.5	39.3	45.3	115.0	44.9	20.3							13.7	34.8	43.5	110.5	40.4	18.3
4PWP07G05	0.5	0.37	10.8	27.5	6.0	2.7	8.5	21.6	19.3	49.1	20.8	9.4	15.9	40.5	26.8	68.0	22.1	10	8.5	21.6	19.3	49.1	19.2	8.7
4PWP07G05H	0.5	0.37	13.0	33.0	7.3	3.3	8.5	21.6	21.5	54.6	22.1	10	15.9	40.5	28.9	73.5	23.4	10.6	8.5	21.6	21.5	54.6	20.6	9.3
4PWP07G7	0.7	0.55	15.2	38.5	8.4	3.8	10.5	26.6	25.6	65.1	26.0	11.8	17.1	43.5	32.3	82.0	27.2	12.3	10.5	26.6	25.6	65.1	23.2	10.5
4PWP07G10	1.0	0.75	17.9	45.5	9.9	4.5	11.3	28.6	29.2	74.1	29.8	13.5	17.9	45.5	35.8	91.0	30.5	13.8	10.5	26.6	28.4	72.1	27.6	12.5
4PWP07G15	1.5	1.1	21.5	54.5	11.9	5.4	13.0	33.1	34.5	87.6	36.2	16.4	19.7	50	41.1	104.5	36.9	16.7	11.3	28.6	32.7	83.1	31.8	14.4
4PWP07G20	2	1.5	26.6	67.5	14.6	6.6	15.5	39.3	42.0	106.8	43.3	19.6							13.7	34.8	40.3	102.3	38.9	17.6
4PWP07G30	3	2.2	31.3	79.5	18.3	8.3	16.3	41.3	47.6	120.8	48.8	22.1							15.5	39.3	46.8	118.8	47.1	21.3
4PWP10G05	0.5	0.37	9.3	23.6	5.5	2.5	8.5	21.6	19.2	48.7	20.3	9.2	15.9	40.5	26.6	67.6	21.7	9.8	8.5	21.6	17.8	45.2	18.8	8.5
4PWP10G05H	0.5	0.37	10.7	27.1	6.2	2.8	8.5	21.6	19.2	48.7	21.0	9.5	15.9	40.5	26.6	67.6	22.3	10.1	8.5	21.6	19.2	48.7	19.4	8.8
4PWP10G7	0.75	0.55	12.8	32.4	7.3	3.3	10.5	26.6	23.2	59.0	25.0	11.3	17.1	43.5	22.0	56.0	26.1	11.8	10.5	26.6	23.2	59.0	22.1	10.0
4PWP10G10	1.0	0.75	14.1	35.9	8.0	3.6	11.3	28.6	25.4	64.5	27.8	12.6	17.9	45.5	32.0	81.4	28.5	12.9	10.5	26.6	24.6	62.5	25.6	11.6
4PWP10G15	1.5	1.1	17.6	44.7	9.7	4.4	13.0	33.1	30.6	77.8	34.0	15.4	19.7	50.0	37.3	94.7	34.7	15.7	11.3	28.6	28.9	73.3	29.6	13.4
4PWP10G20	2	1.5	19.6	49.9	10.8	4.9	15.5	39.3	35.1	89.2	39.6	17.9							13.7	34.8	33.3	84.7	35.1	15.9
4PWP10G30	3	2.2	26.0	66.0	13.3	6.0	16.3	41.3	42.2	107.3	43.8	19.8							15.5	39.3	41.5	105.3	42.0	19.0
4PWP10G50	5	3.7	29.8	75.8	19.4	8.8	26.9	68.3	56.7	144	78.0	35.3							24.2	61.4	54.0	137.2	70.3	31.8
4PWP13G05	0.5	0.37	9.3	23.6	5.5	2.5	8.5	21.6	17.8	45.2	20.3	9.2	15.9	40.5	25.2	64.1	21.7	9.8	8.5	21.6	17.8	45.2	18.8	8.5
4PWP13G7	0.75	0.55	10.7	27.1	6.2	2.8	10.5	26.6	21.1	53.7	23.9	10.8	17.1	43.5	20.0	50.7	25.0	11.3	10.5	26.6	21.1	53.7	21.0	9.5
4PWP13G10	1.0	0.75	12.8	32.4	7.1	3.2	11.3	28.6	24.0	61.0	27.0	12.2	17.9	45.5	30.7	77.9	27.6	12.5	10.5	26.6	23.2	59.0	24.8	11.2
4PWP13G15	1.5	1.1	14.1	35.9	7.7	3.5	13.0	33.1	27.2	69.0	32.0	14.5	19.7	50.0	33.8	85.9	32.7	14.8	11.3	28.6	25.4	64.5	27.6	12.5
4PWP13G20	2	1.5	17.6	44.7	9.5	4.3	15.5	39.3	33.1	84.0	38.2	17.3							13.7	34.8	31.3	79.5	33.8	15.3
4PWP13G30	3	2.2	20.4	51.9	11.1	5.0	16.3	41.3	36.7	93.2	41.5	18.8							15.5	39.3	35.9	91.2	39.8	18.0
4PWP13G50	5	3.7	31.6	80.3	16.8	7.6	26.9	68.4	58.5	148.7	75.4	34.1							24.2	61.4	55.8	141.7	67.6	30.6
4PWP18G05	0.5	0.37	10.1	25.7	6.0	2.7	8.5	21.6	18.6	47.3	20.8	9.4	15.9	40.5	26.1	66.2	22.1	10.0	8.5	21.6	18.6	47.3	19.2	8.7
4PWP18G7	0.75	0.55	11.0	27.9	6.2	2.8	10.5	26.6	21.5	54.5	23.9	10.8	17.1	43.5	20.3	51.5	25.0	11.3	10.5	26.6	21.5	54.5	21.0	9.5
4PWP18G10	1.0	0.75	12.7	32.2	6.9	3.1	11.3	28.6	23.9	60.8	26.7	12.1	17.9	45.5	30.6	77.7	27.4	12.4	10.5	26.6	23.1	58.8	24.5	11.1
4PWP18G15	1.5	1.1	15.2	38.7	8.0	3.6	13.0	33.1	28.3	71.8	32.3	14.6	19.7	50.0	34.9	88.7	32.9	14.9	11.3	28.6	26.5	67.3	27.8	12.6
4PWP18G20	2	1.5	17.8	45.2	9.1	4.1	15.5	39.3	33.3	84.5	37.8	17.1							13.7	34.8	31.5	80.0	33.4	15.1
4PWP18G30	2.2	3	22.0	56.0	10.8	4.9	16.3	41.3	38.3	97.3	41.3	18.7							15.5	39.3	37.5	95.3	39.6	17.9
4PWP18G50	5	3.7	32.6	82.7	15.7	7.1	26.9	68.4	59.5	151.1	74.3	33.6							24.2	61.4	56.7	144.1	66.5	30.1



Pearl

Weight and Dimensions with Franklin Electric Motors Pesos y Dimensiones con Motor Franklin Electric



MODEL MODELO	HP	KW	PUMP END H1 HIDRÁULICA H1				1 PH MOTOR - 3W / MOTOR 1F - 3 HILOS						1 PH MOTOR - 2W / MOTOR 1F - 2 HILOS						3 PH MOTOR - 3W / MOTOR 3F - 3 HILOS					
			HEIGHT ALTURA		WEIGHT PESO		MOTOR H2		PUMP + MOTOR BOMBA + MOTOR				MOTOR H2		PUMP + MOTOR BOMBA + MOTOR				MOTOR H2		PUMP + MOTOR BOMBA + MOTOR			
			inches plg	cm	lbs	kg	inches plg	cm	inches plg	cm	lbs	kg	inches plg	cm	inches plg	cm	lbs	kg	inches plg	cm	inches plg	cm	lbs	kg
4PWP05G05	0.5	0.37	12.0	30.6	6.9	3.1	9.5	24.2	21.6	54.8	25.9	11.7	9.5	24.2	21.6	54.8	25.0	11.3	9.5	21.6	13.2	33.6	25.0	11.3
4PWP05G05H	0.5	0.37	14.1	35.9	8.0	3.6	9.5	24.2	23.6	60.1	27.0	12.2	9.5	24.2	23.6	60.1	26.1	11.8	9.5	21.6	22.6	57.5	26.1	11.8
4PWP05G7	0.75	0.55	16.2	41.1	9.1	4.1	10.6	27.0	26.8	68.1	30.1	13.6	10.6	27.0	26.8	68.1	30.1	13.6	10.6	26.6	26.7	67.7	30.1	13.6
4PWP05G10	1.0	0.75	19.6	49.9	10.8	4.9	11.7	29.8	31.4	79.7	34.9	15.8	11.7	29.8	31.4	79.7	34.9	15.8	11.7	26.6	30.1	76.5	34.9	15.8
4PWP05G15	1.5	1.1	25.3	64.2	12.8	5.8	13.6	34.5	38.9	98.7	40.9	18.5	15.1	38.4	40.4	102.6	44.0	19.9	11.7	28.6	36.5	92.8	36.9	16.7
4PWP05G20	2	1.5	29.8	75.7	16.1	7.3	15.1	38.4	44.9	114.1	49.3	22.3							13.6	34.8	43.5	110.5	44.2	20.0
4PWP07G05	0.5	0.37	10.8	27.5	6.0	2.7	9.5	24.2	20.4	51.7	25.0	11.3	15.9	40.5	26.8	68.0	24.0	10.9	8.5	21.6	19.3	49.1	24.1	10.9
4PWP07G05H	0.5	0.37	13.0	33.0	7.3	3.3	9.5	24.2	22.5	57.2	26.3	11.9	15.9	40.5	28.9	73.5	25.4	11.5	8.5	21.6	21.5	54.6	25.4	11.5
4PWP07G7	0.7	0.55	15.2	38.5	8.4	3.8	10.6	27	25.8	65.5	29.4	13.3	17.1	43.5	32.3	82.0	29.4	13.3	10.5	26.6	25.6	65.1	29.4	13.3
4PWP07G10	1.0	0.75	17.9	45.5	9.9	4.5	11.7	29.8	29.6	75.3	34.0	15.4	17.9	45.5	35.8	91.0	34.0	15.4	10.5	26.6	28.4	72.1	34.0	15.4
4PWP07G15	1.5	1.1	21.5	54.5	11.9	5.4	13.6	34.5	35.0	89.0	40.0	18.1	19.7	50	41.1	104.5	43.0	19.5	11.3	28.6	32.7	83.1	36.0	16.3
4PWP07G20	2	1.5	26.6	67.5	14.6	6.6	15.1	38.4	41.7	105.9	47.7	21.6							13.7	34.8	40.3	102.3	42.7	19.3
4PWP07G30	3	2.2	31.3	79.5	18.3	8.3	19.1	48.4	50.4	127.9	59.5	26.9							15.5	39.3	46.8	118.8	53.5	24.2
4PWP10G05	0.5	0.37	9.3	23.6	5.5	2.5	9.5	24.2	18.8	47.8	24.5	11.1	9.5	24.2	18.8	47.8	23.6	10.7	9.5	21.6	17.8	45.2	23.6	10.7
4PWP10G05H	0.5	0.37	10.7	27.1	6.2	2.8	9.5	24.2	20.2	51.3	25.2	11.4	9.5	24.2	20.2	51.3	24.3	11.0	9.5	21.6	19.2	48.7	24.3	11.0
4PWP10G7	0.75	0.55	12.8	32.4	7.3	3.3	10.6	27.0	23.4	59.4	28.3	12.8	10.6	27.0	23.4	59.4	28.3	12.8	10.6	26.6	23.2	59.0	28.3	12.8
4PWP10G10	1.0	0.75	14.1	35.9	8.0	3.6	11.7	29.8	25.9	65.7	32.0	14.5	11.7	29.8	25.9	65.7	32.0	14.5	11.7	26.6	24.6	62.5	32.0	14.5
4PWP10G15	1.5	1.1	17.6	44.7	9.7	4.4	13.6	34.5	31.2	79.2	37.8	17.1	15.1	38.4	32.7	83.1	40.9	18.5	11.7	28.6	28.9	73.3	33.8	15.3
4PWP10G20	2	1.5	19.6	49.9	10.8	4.9	15.1	38.4	34.7	88.3	44.0	19.9							13.6	34.8	33.3	84.7	38.9	17.6
4PWP10G30	3	2.2	26.0	66.0	13.3	6.0	19.0	48.4	45.0	114.4	54.4	24.6							16.0	39.3	41.5	105.3	48.4	21.9
4PWP10G50	5	3.7	29.8	75.8	19.4	8.8	29.2	74.1	59.0	149.9	90.6	41.0							23.2	61.4	54.0	137.2	75.6	34.2
4PWP13G05	0.5	0.37	9.3	23.6	5.5	2.5	9.5	24.2	18.8	47.8	24.5	11.1	9.5	24.2	18.8	47.8	23.6	10.7	9.5	21.6	17.8	45.2	23.6	10.7
4PWP13G7	0.75	0.55	10.7	27.1	6.2	2.8	10.6	27.0	21.3	54.1	27.2	12.3	10.6	27.0	21.3	54.1	27.2	12.3	10.6	26.6	21.1	53.7	27.2	12.3
4PWP13G10	1.0	0.75	12.8	32.4	7.1	3.2	11.7	29.8	24.5	62.2	31.2	14.1	11.7	29.8	24.5	62.2	31.2	14.1	11.7	26.6	23.2	59.0	31.2	14.1
4PWP13G15	1.5	1.1	14.1	35.9	7.7	3.5	13.6	34.5	27.7	70.4	35.8	16.2	15.1	38.4	29.2	74.3	38.9	17.6	11.7	28.6	25.4	64.5	31.8	14.4
4PWP13G20	2	1.5	17.6	44.7	9.5	4.3	15.1	38.4	32.7	83.1	42.7	19.3							13.6	34.8	31.3	79.5	37.6	17.0
4PWP13G30	3	2.2	20.4	51.9	11.1	5.0	19.0	48.4	39.5	100.3	52.2	23.6							16.0	39.3	35.9	91.2	46.2	20.9
4PWP13G50	5	3.7	31.6	80.3	16.8	7.6	29.2	74.1	60.8	154.4	88.0	39.8							23.2	61.4	55.8	141.7	72.9	33.0
4PWP18G05	0.5	0.37	10.1	25.7	6.0	2.7	9.5	24.2	19.6	49.9	25.0	11.3	9.5	24.2	19.6	49.9	24.1	10.9	9.5	21.6	18.6	47.3	24.1	10.9
4PWP18G7	0.75	0.55	11.0	27.9	6.2	2.8	10.6	27.0	21.6	54.9	27.2	12.3	10.6	27.0	21.6	54.9	27.2	12.3	10.6	26.6	21.5	54.5	27.2	12.3
4PWP18G10	1.0	0.75	12.7	32.2	6.9	3.1	11.7	29.8	24.4	62.0	30.9	14.0	11.7	29.8	24.4	62.0	30.9	14.0	11.7	26.6	23.1	58.8	30.9	14.0
4PWP18G15	1.5	1.1	15.2	38.7	8.0	3.6	13.6	34.5	28.8	73.2	36.0	16.3	15.1	38.4	30.3	77.1	39.1	17.7	11.7	28.6	26.5	67.3	32.0	14.5
4PWP18G20	2	1.5	17.8	45.2	9.1	4.1	15.1	38.4	32.9	83.6	42.2	19.1							13.6	34.8	31.5	80.0	37.1	16.8
4PWP18G30	2.2	3	22.0	56.0	10.8	4.9	19.0	48.4	41.1	104.4	51.9	23.5							16.0	39.3	37.5	95.3	46.0	20.8
4PWP18G50	5	3.7	32.6	82.7	15.7	7.1	29.2	74.1	61.7	156.8	86.9	39.3							23.2	61.4	56.7	144.1	71.8	32.5

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