



Submersible Pumps
and Motors

Deepwell Submersible Pumps S-Series - 3" & 4" 50Hz



PowerFlow Deepwell Submersible Pumps Selection Guide

3PFP S - Series

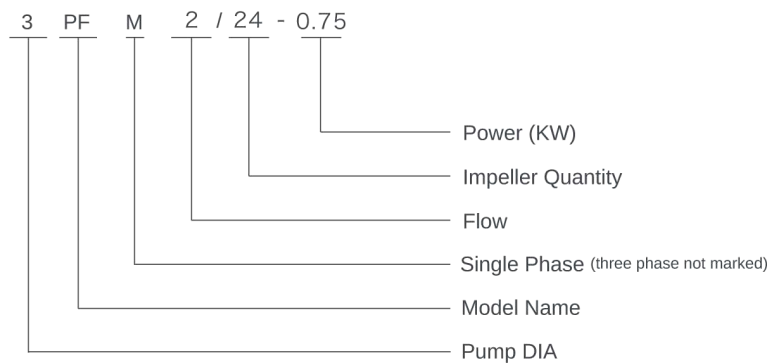
Application Limits

- Max. ambient temperature < 40°C;
- Sand content (in mass fraction) up to 0.01%;
- Hydrogen sulfide content up to 1.5mg/L, chloride ion content up to 400mg/L;
- PH 6.5 to 8.5;
- Maximum: 70m below the static water table.

Application Fields

- Building / construction work / domestic water supply;
- irrigation and small water work;
- Landscaping;
- Water conservancy system;
- Factory.

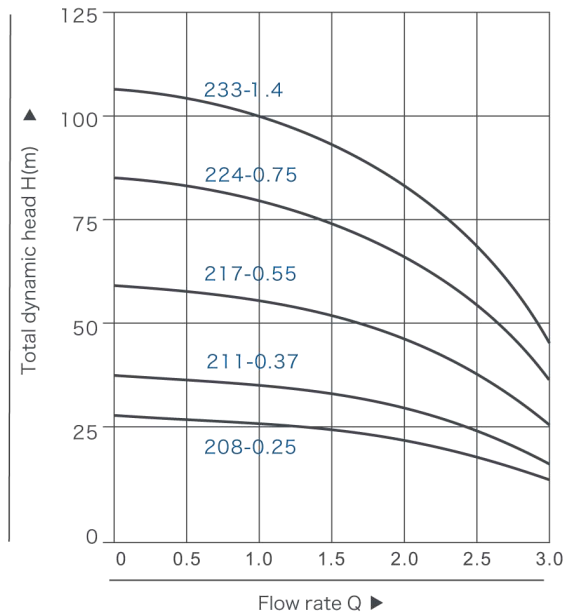
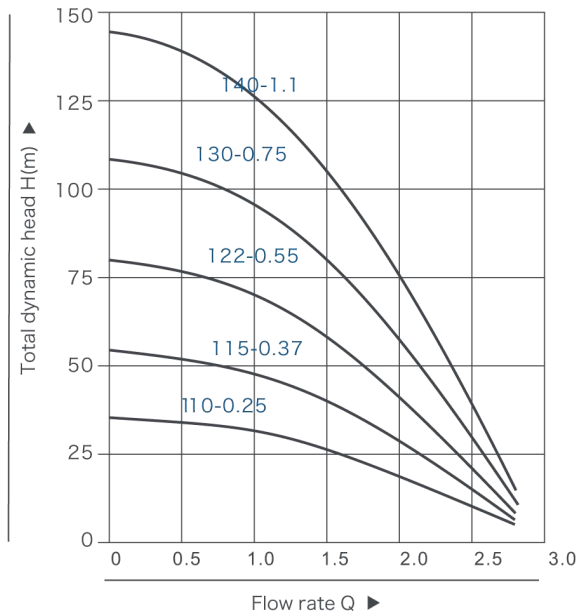
Model Example



3PFP (S - Series)

Performance Curves Selection Chart

Performance chart at $n = 2850$ RPM



3PFP(M) - 1T Performance Table

Model	Power		Flow (T/h)									Dimensions	
			L/min	0	8	17	25	30	33	42	47	Length	Weight
	Single-phase 220-240V 50 Hz		m³/h	0	0.5	1.0	1.5	1.8	2	2.5	2.8	mm	kg
3PFP(M) 1/10 - 0.25	0.25	0.33	Head (m)	38	36	33	28	23	20	10	4	742	7.75
3PFP(M) 1/15 - 0.37	0.37	0.5		55	54	50	40	34	29	14	5	900	9.35
3PFP(M) 1/22 - 0.55	0.55	0.75		79	78	72	58	50	42	20	7	1140	11
3PFP(M) 1/30 - 0.75	0.75	1		108	105	93	76	64	57	27	10	1395	13.3
3PFP(M) 1/40 - 1.1	1.1	1.5		144	132	120	91	76	60	25	13	1705	15.7

3PFP(M) - 2T Performance Table

Model	Power		Flow (T/h)									Dimensions	
			L/min	0	8	17	25	30	33	42	47	Length	Weight
	Single-phase 220-240V 50 Hz		m³/h	0	0.5	1.0	1.5	1.8	2	2.5	2.8	mm	kg
3PFP(M) 2/08 - 0.25	0.25	0.33	Head (m)	28	27	26	25	23	22	17	11	720	7.1
3PFP(M) 2/11 - 0.37	0.37	0.5		39	37	36	34	32	30	24	15	828	8.2
3PFP(M) 2/17 - 0.55	0.55	0.75		60	58	56	52	49	46	37	23	1054	9.8
3PFP(M) 2/24 - 0.75	0.75	1		85	82	79	74	70	65	52	33	1316	11.9
3PFP(M) 2/33 - 1.1	1.1	1.5		110	107	101	95	90	85	67	42	1604	14.2

PowerFlow Deepwell Submersible Pumps Selection Guide

4PFP S - Series

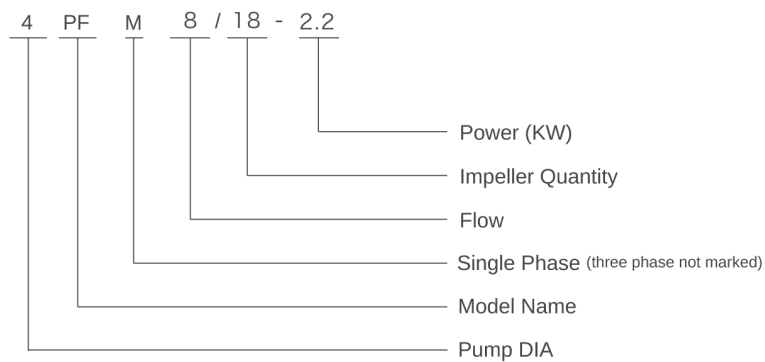
Application Limits

- Max. ambient temperature < 40°C;
- Sand content (in mass fraction) up to 0.01%;
- Hydrogen sulfide content up to 1.5mg/L, chloride ion content up to 400mg/L;
- PH 6.5 to 8.5;
- Maximum: 70m below the static water table.

Application Fields

- Building / construction work / domestic water supply;
- Irrigation and small water work;
- Landscaping;
- Water conservancy system;
- Factory.

Model Example

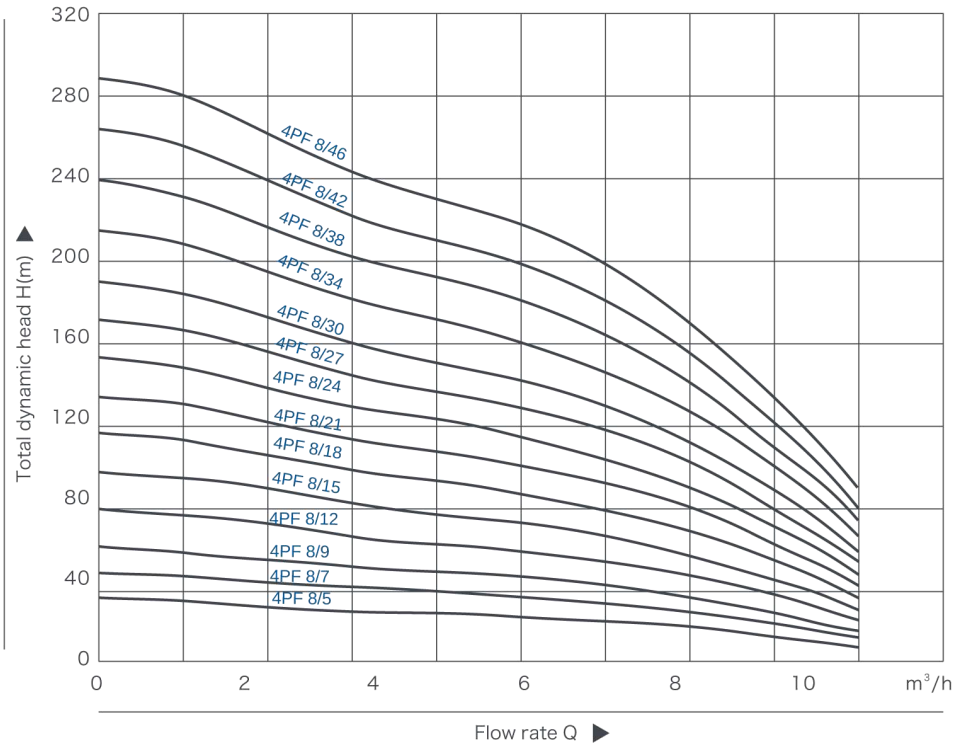


4PFP (S - Series)

Performance Curves
Selection Chart

4PFP-8T

Performance chart at $n = 2850 \text{ RPM}$



4PF(M) – 8T Performance Table

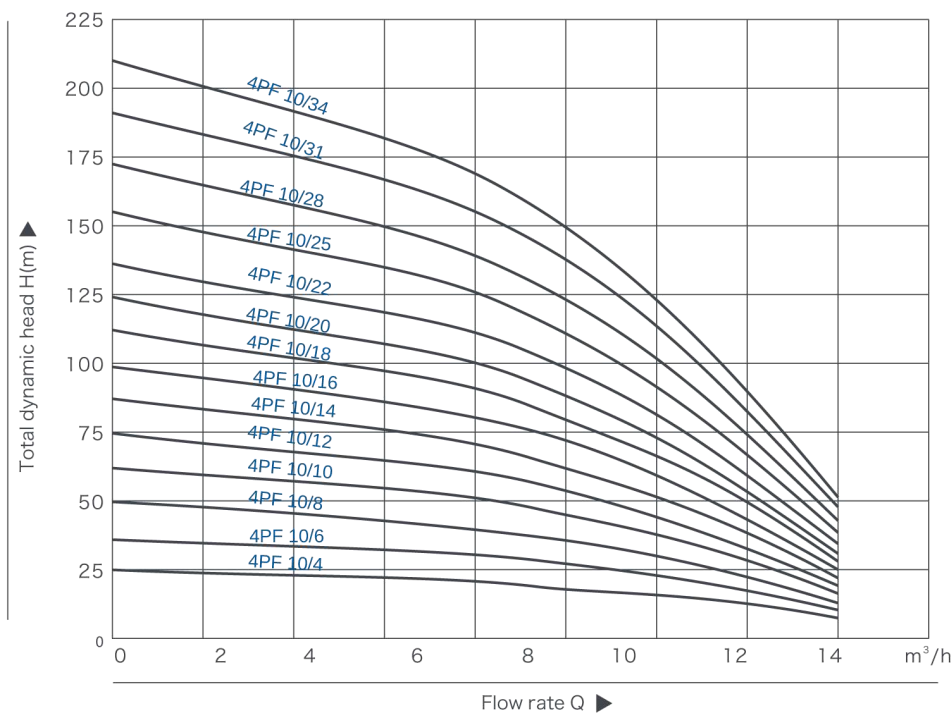
Model		Power		Flow (T/h) $n \approx 2850 \text{ 1/min}$												
1~ 220-240V	3~ 380V/415V	KW	HP	Q	m³/h	0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	10.8	
					L/min	0	20	40	60	80	100	120	140	160	180	
4PF(M) 8/5	4PF 8/5	0.55	0.75	Head (m)		31	31	28	26	25	24	21	18	14	9	
4PF(M) 8/6	4PF 8/6	0.75	1			38	37	34	32	30	28	26	22	17	11	
4PF(M) 8/7	4PF 8/7	0.75	1			44	43	40	37	35	33	30	26	20	13	
4PF(M) 8/8	4PF 8/8	1.1	1.5			50	49	46	42	40	38	34	29	23	15	
4PF(M) 8/9	4PF 8/9	1.1	1.5			56	55	51	48	45	42	39	33	26	17	
4PF(M) 8/10	4PF 8/10	1.5	2			63	61	57	53	50	47	43	37	28	18	
4PF(M) 8/12	4PF 8/12	1.5	2			75	73	68	63	60	57	51	44	34	22	
4PF(M) 8/15	4PF 8/15	2.2	3			94	92	85	79	75	71	64	55	43	28	
4PF(M) 8/18	4PF 8/18	2.2	3			113	110	103	95	90	85	77	66	51	33	
-	4PF 8/21	3	4			131	128	120	111	105	99	90	77	60	39	
-	4PF 8/24	3	4			150	147	137	127	120	113	103	88	68	44	
-	4PF 8/27	4	5.5			169	165	154	143	135	127	116	99	77	50	
-	4PF 8/30	4	5.5			188	183	171	158	150	142	128	110	85	55	
-	4PF 8/34	5.5	7.5			213	208	194	180	170	160	146	124	97	63	
-	4PF 8/38	5.5	7.5			238	232	216	201	190	179	163	139	108	70	
-	4PF 8/42	7.5	10			263	257	239	222	210	198	180	153	120	78	
-	4PF 8/46	7.5	10			288	281	262	243	230	217	197	168	131	85	

4PFP (S - Series)

Performance Curves
Selection Chart

4PFP-10T

Performance chart at $n = 2850 \text{ RPM}$



4PFP(M) – 10T Performance Table

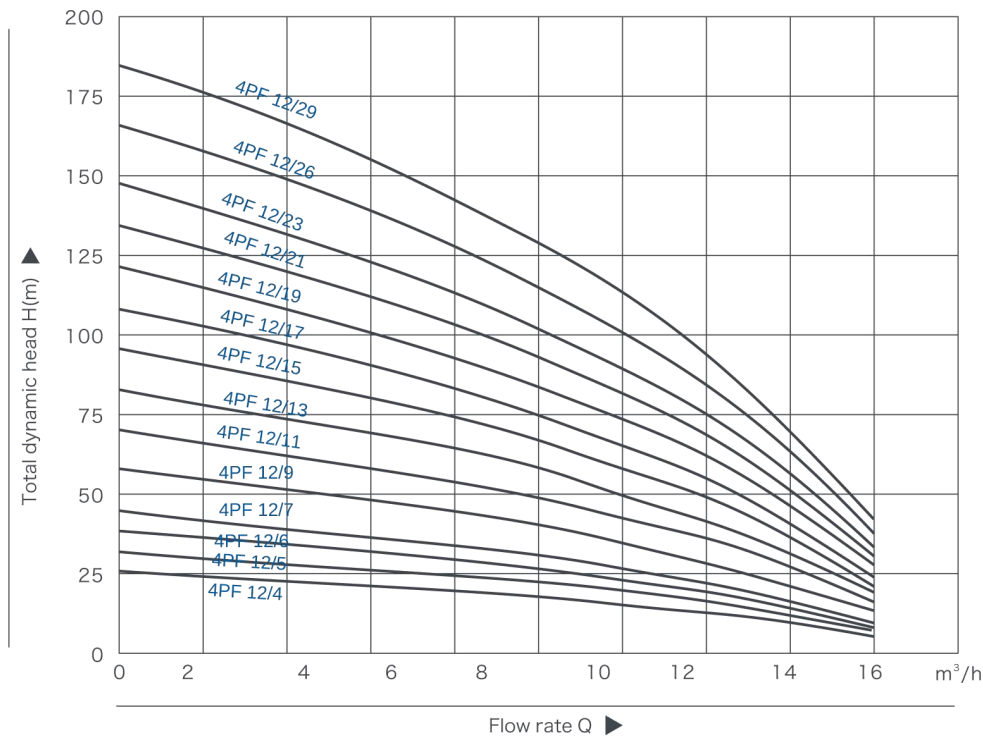
Model		Power		Flow (T/h) n≈2850 1/min										
1~ 220-240V	3~ 380V/415V	KW	HP	Q	m³/h	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4
					L/min	0	30	60	90	120	150	180	210	240
4PF(M) 10/4	4PF 10/4	0.75	1	Head (m)		25	24	23	21	20	18	14	10	6
4PF(M) 10/5	4PF 10/5	0.75	1			31	30	28	27	25	22	18	13	7
4PF(M) 10/6	4PF 10/6	1.1	1.5			37	36	34	32	30	26	22	16	9
4PF(M) 10/7	4PF 10/7	1.1	1.5			43	42	40	37	35	31	25	18	10
4PF(M) 10/8	4PF 10/8	1.5	2			49	48	45	43	40	35	29	21	12
4PF(M) 10/10	4PF 10/10	1.5	2			62	59	56	54	50	44	36	26	14
4PF(M) 10/12	4PF 10/12	2.2	3			74	71	68	64	60	53	43	31	17
4PF(M) 10/14	4PF 10/14	2.2	3			86	83	79	75	70	62	51	36	20
-	4PF 10/16	3	4			99	95	90	86	80	71	58	41	23
-	4PF 10/18	3	4			111	107	102	96	90	79	65	47	26
-	4PF 10/20	4	5.5			124	119	113	107	100	88	72	52	29
-	4PF 10/22	4	5.5			136	131	124	118	110	97	80	57	32
-	4PF 10/25	5.5	7.5			154	149	141	134	125	110	90	65	36
-	4PF 10/28	5.5	7.5			173	166	158	150	140	124	101	72	40
-	4PF 10/31	7.5	10			191	184	175	166	155	137	112	80	45
-	4PF 10/34	7.5	10			210	202	192	182	170	150	123	88	49

4PFP (S - Series)

Performance Curves
Selection Chart

4PFP-12T

Performance chart at $n = 2850 \text{ RPM}$



4PFP(M) - 12T Performance Table

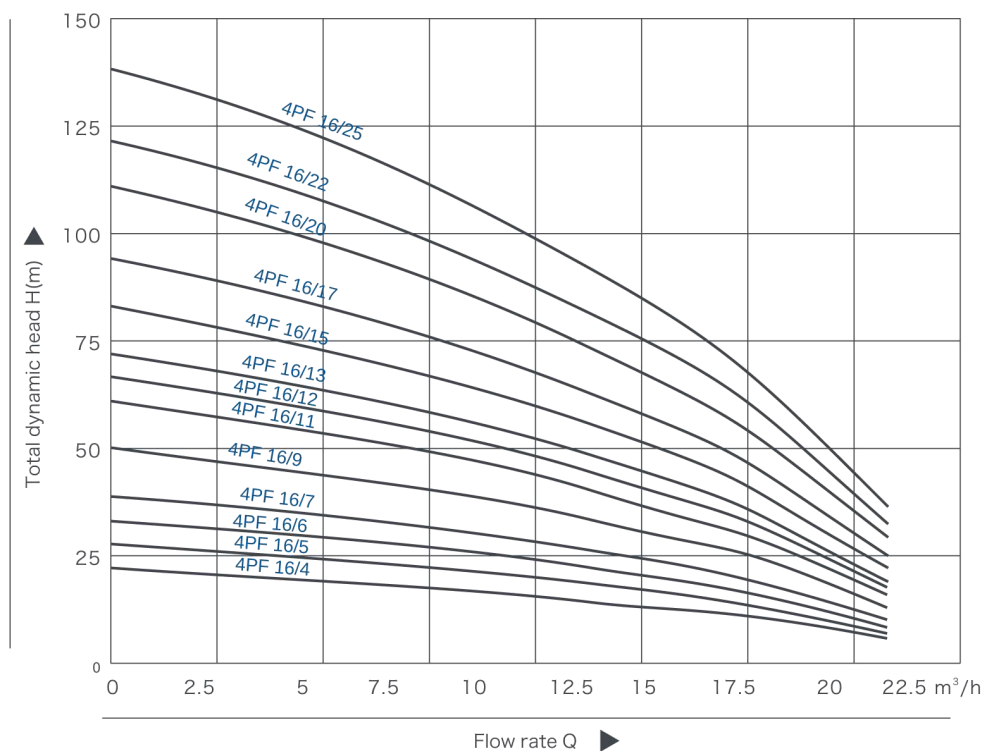
Model		Power		Flow (T/h)											
1~ 220-240V	3~ 380V/415V	KW	HP	Q	$n \approx 2850 \text{ 1/min}$										
					$\frac{\text{m}^3}{\text{h}}$ L/min	0	1.8	3.6	5.4	7.2	9.0	10.8	12.6	14.4	16.2
4PFP(M) 12/4	4PF 12/4	1.1	1.5	Head (m)	26	24	23	22	20	18	16	13	10	6	
4PFP(M) 12/5	4PF 12/5	1.1	1.5		32	31	29	27	25	22	20	16	12	7	
4PFP(M) 12/6	4PF 12/6	1.5	2		38	37	34	32	30	27	24	20	15	9	
4PFP(M) 12/7	4PF 12/7	1.5	2		45	43	40	38	35	31	28	23	17	10	
4PFP(M) 12/9	4PF 12/9	2.2	3		57	55	52	48	45	40	35	29	22	13	
4PFP(M) 12/11	4PF 12/11	2.2	3		70	67	63	59	55	49	43	36	27	16	
-	4PF 12/13	3	4		83	79	74	70	65	58	51	43	32	19	
-	4PF 12/15	3	4		96	92	86	81	74	67	59	49	37	22	
-	4PF 12/17	4	5.5		108	104	97	91	84	75	67	56	42	25	
-	4PF 12/19	4	5.5		121	116	109	102	94	83	75	62	47	28	
-	4PF 12/21	5.5	7.5		134	128	120	113	104	90	83	69	51	30	
-	4PF 12/23	5.5	7.5		147	140	132	124	114	102	90	75	56	33	
-	4PF 12/26	7.5	10		166	159	149	140	129	116	102	85	64	38	
-	4PF 12/29	7.5	10		185	177	166	156	144	129	114	95	71	42	

4PFP (S - Series)

Performance Curves
Selection Chart

4PFP-16T

Performance chart at $n = 2850 \text{ RPM}$

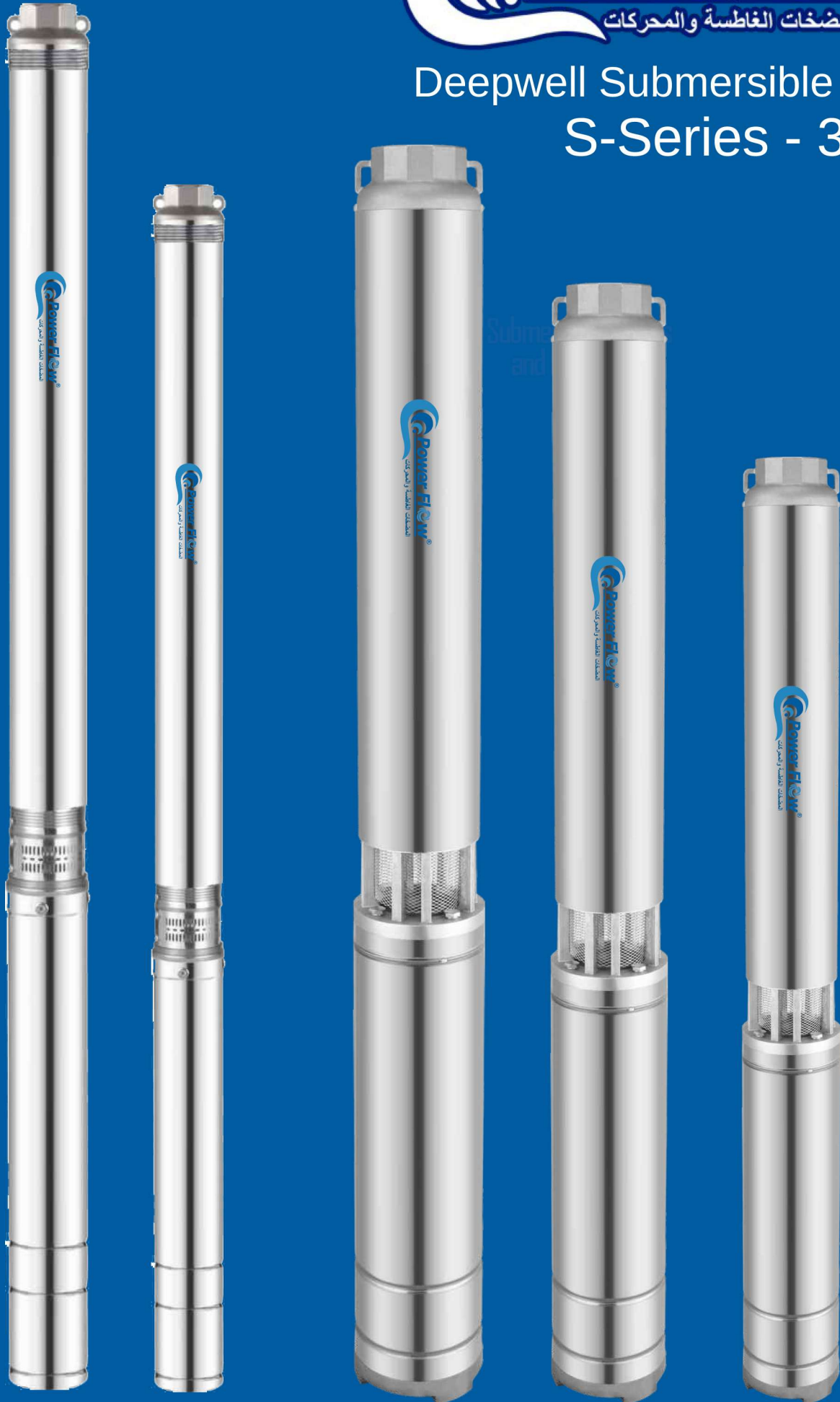


4PFP(M) – 16T Performance Table

Model		Power		Flow (T/h) $n \approx 2850 \text{ 1/min}$									
1~ 220-240V	3~ 380V/415V	KW	HP	Q	m³/h L/min	0	3	6	9	12	15	18	21
						0	50	100	150	200	250	300	350
4PFP(M) 16/4	4PF 16/4	1.1	1.5	Head (m)		22	21	20	18	16	14	11	7
4PFP(M) 16/5	4PF 16/5	1.5	2			28	26	25	22	20	17	14	9
4PFP(M) 16/6	4PF 16/6	1.5	2			33	32	30	27	24	21	16	11
4PFP(M) 16/7	4PF 16/7	2.2	3			39	37	34	31	28	24	19	13
4PFP(M) 16/9	4PF 16/9	2.2	3			50	48	44	40	36	31	24	16
-	4PF 16/11	3	4			61	58	54	49	44	38	30	20
-	4PF 16/12	3	4			67	63	59	53	48	41	33	22
-	4PF 16/13	4	5.5			72	69	64	58	52	45	35	23
-	4PF 16/15	4	5.5			83	79	74	67	60	52	41	27
-	4PF 16/17	5.5	7.5			95	90	84	75	68	58	46	31
-	4PF 16/20	5.5	7.5			111	106	98	89	80	69	54	36
-	4PF 16/22	7.5	10			122	116	108	98	88	76	60	40
-	4PF 16/25	7.5	10			139	132	123	111	100	86	68	45



Deepwell Submersible Pumps S-Series - 3" & 4"





رقم القطعة 67

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