

KNB CORPORATION

2014

**Plastic Impeller
Borehole Pump -
50Hz**



WP

are manufactured using high quality materials and are designed to deliver years of dependable service. Pumps are on the floating impeller design which reduces starting torque requirements and reduces the effects of sand in the water.

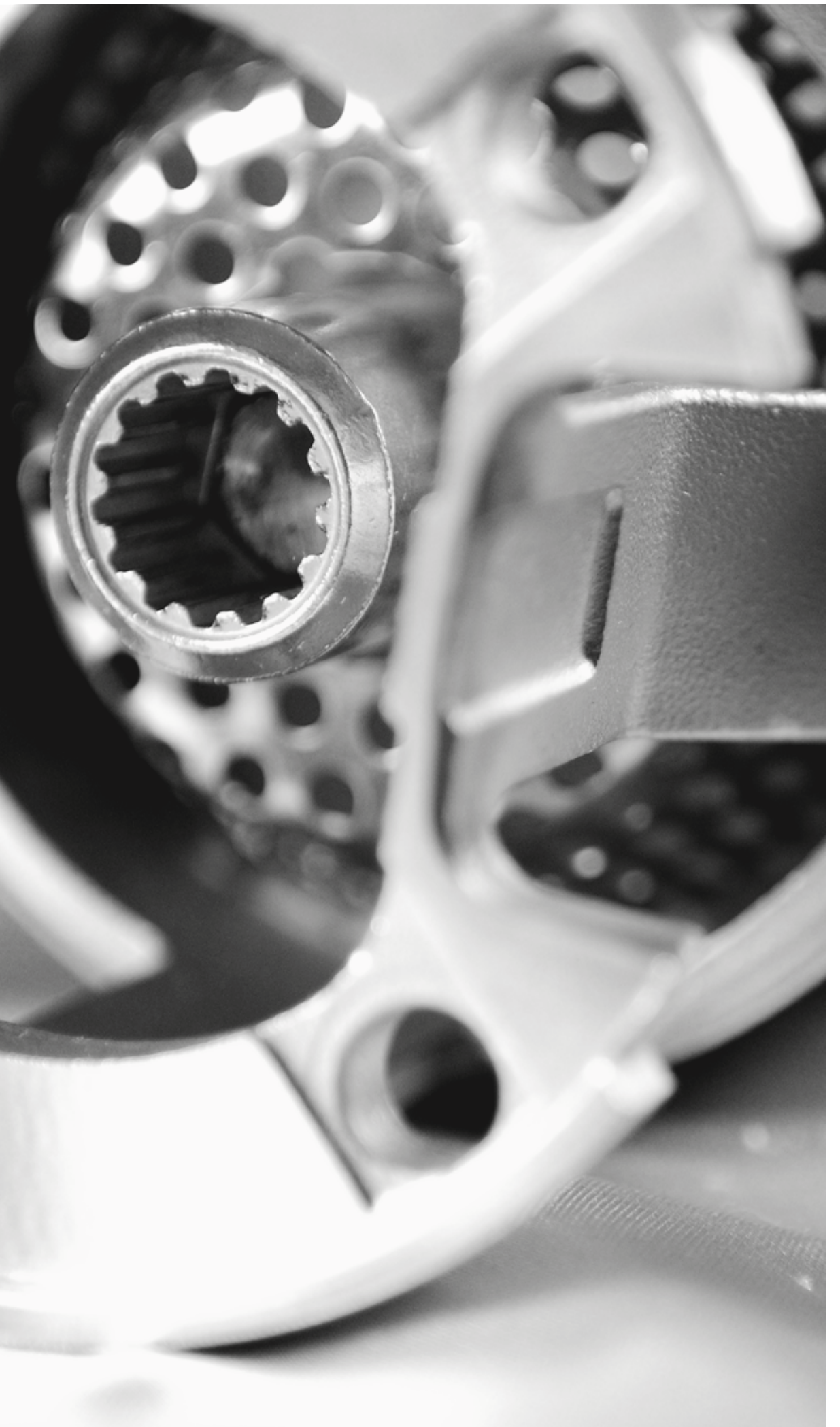
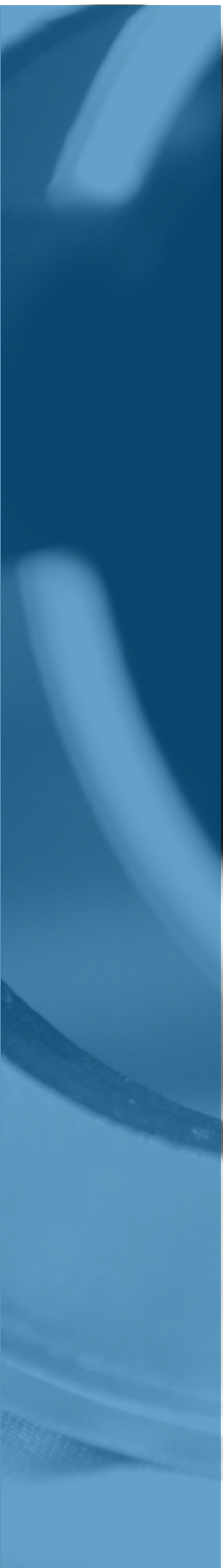
Product Features

- Floating impeller design for sand resistance and reduces sand blocking
- Built-in check valve to prevent back flow
- SUS 304 polished stainless steel shell
- Shafts are made from hex 304 stainless steel bar material
- Built-in SUS 304 stainless steel strainer

Product Range

1. 4" Plastic impeller submersible borehole pump
WP-05/10/13/15/18/25/35/40
WP- 55/60/80
2. 6" Plastic imepller submersible borehole pump
WP-106/160/240

- 50 Hz version:
Capable of handling flows up to 54 m³/h - Head up to 325 m
- 60 Hz version:
Capable of handling flows up to 54 m³/h - Head up to 403 m



FEATURES/APPLICATIONS

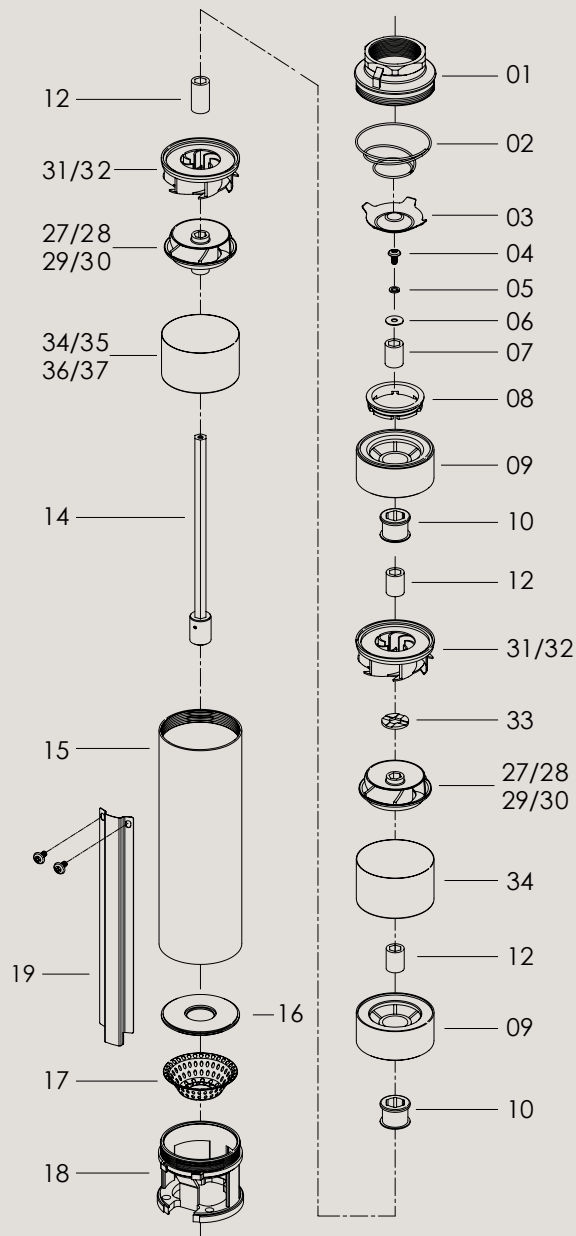
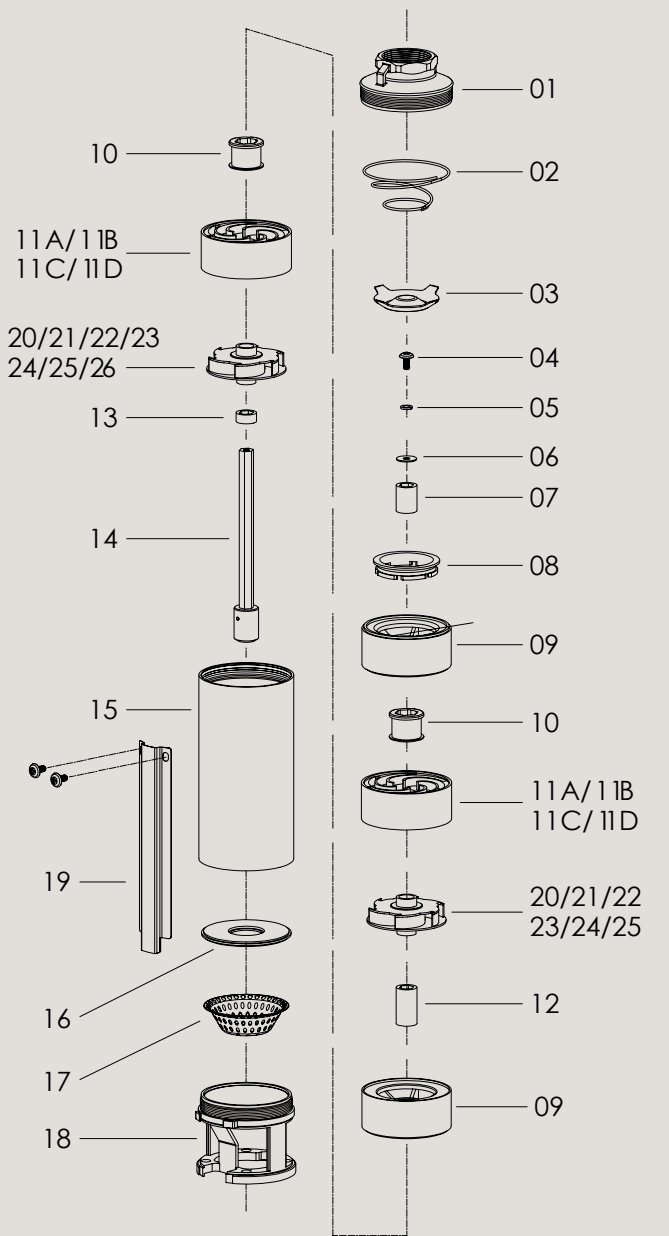


Technical Data

- Max. sand content: 50g/m³
- pH values: 6 to 8
- Liquid Temp. up to 35°C
- Material:
 1. Impellers - POM (WP05~35) / PC/GF POLYCARBONATE+GLASS FIBER (WP40~)
 2. Diffusers - PC/GF POLYCARBONATE+GLASS FIBER

Applications

- Residential potable water supply from deep wells
- Municipal and industrial water supply
- Irrigation and other agricultural applications
- Fire fighting systems
- Pressure boosting in high-rise buildings and other applications



WP - 05/10/13/15/18/25/35 series

01	Dischagre	10	Rubber	17	Strainer
02	Spring	11 A	WP-05/10/13 Diffuser	18	Suction nterconnector
03	Check Valve	11 B	WP-15/18 Diffuser	19	Cable Guard
04	Screw	11 C	WP-25 Diffuser	20	WP-05 Impeller
05	Washer	11 D	WP-35 Diffuser	21	WP-10 Impeller
06	Washer	12	Shaft Sleeve	22	WP-13 Impeller
07	Shaft Sleeve (Stainel Steel)	13	Shaft Sleeve	23	WP-15 Impeller
		14	Shaft & Coupling	24	WP-18 Impeller
08	Rubber	15	Casing	25	WP-25 Impeller
09	Upper Bearing Seat	16	Stage Inlet Cover	26	WP-35 Impeller

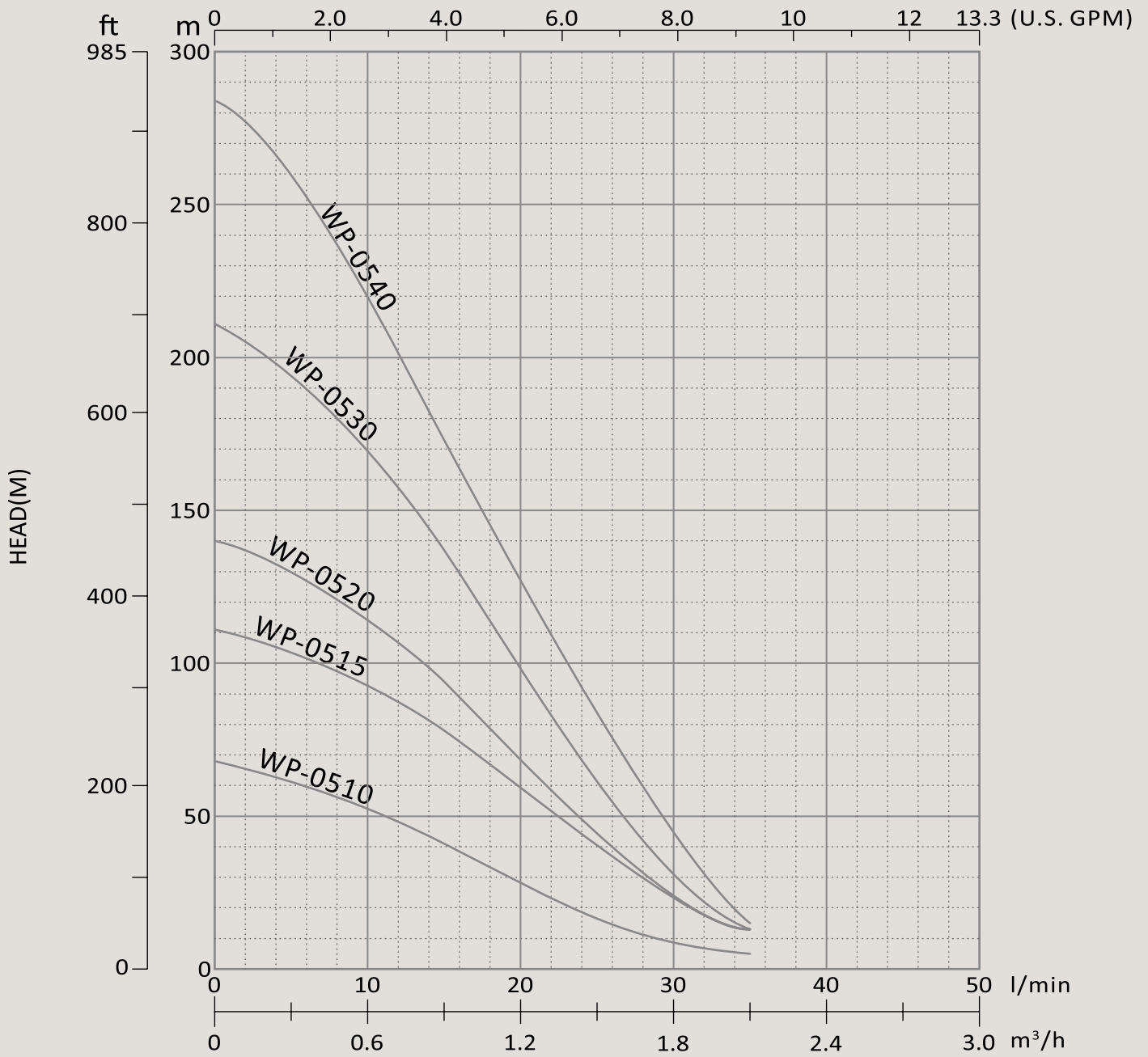
WP - 40/55/60/80series

01	Dischagre	10	Rubber	29	WP-60 Impeller
02	Spring	12	Shaft Sleeve	30	WP-80 Impeller
03	Check Valve	14	Shaft & Coupling	31	WP-40/55/60 Diffuser
04	Screw	15	Casing	32	WP-80 Diffuser
05	Washer	16	Stage Inlet Cover	33	Spacer
06	Washer	17	Strainer	34	WP-40 Cover of Impeller (PC +GF)
07	Shaft Sleeve (Stainel Steel)	18	Suction Interconnector	35	WP-55 Cover of Impeller (PC +GF)
		19	Cable Guard	36	WP-60 Cover of Impeller (Stainless Steel)
08	Rubber	27	WP-40 Impeller	37	WP-80 Cover of Impeller (Stainless Steel)
09	Upper Bearing Seat	28	WP-55 Impeller		

WP-05 series / 4 Inch / 50Hz

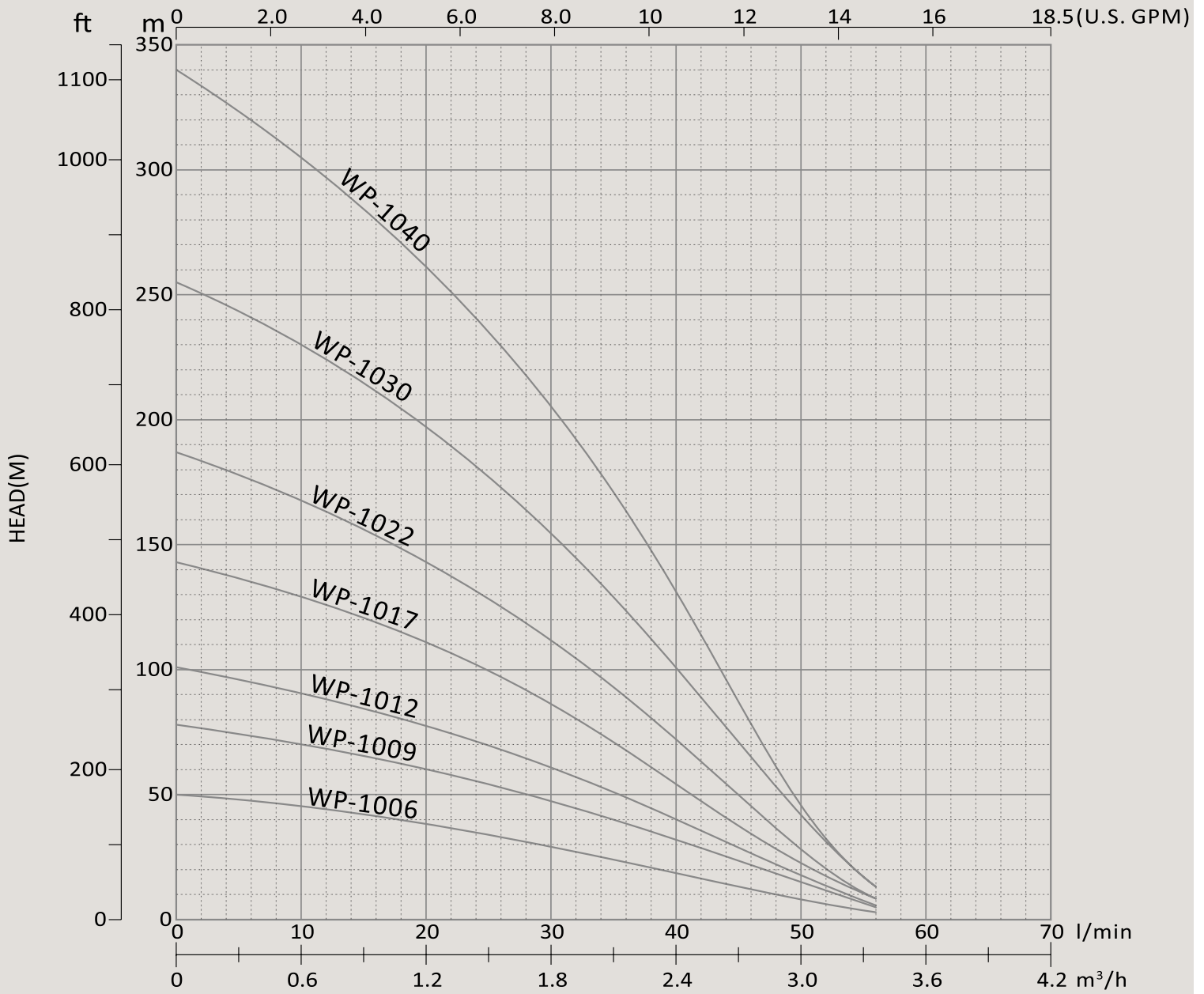
Specifications & Performance Curve

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MODEL	CAPACITY		POWER		Stages	CAPACITY								DISCH	
	GPM	m³/hr	HP	kW		m³/hr	0	0.3	0.6	0.9	1.2	1.5	1.8		2.1
						GPM	0	1.3	2.6	4.0	5.3	6.6	7.9		9.2
						LPM	0	5	10	15	20	25	30		35
WP-0510			0.5	0.37	10	HEAD (m)	68	62	52	41	30	18	12	5	
WP-0515			0.75	0.55	15	111	104	91	78	60	40	22	13		
WP-0520	5	1	1	0.75	20	140	128	111	94	70	44	23	13		
WP-0530			1.5	1.1	30	211	190	163	137	100	59	30	13		
WP-0540			2	1.5	40	284	252	216	173	127	80	40	15		

WP-10 series / 4 Inch / 50Hz

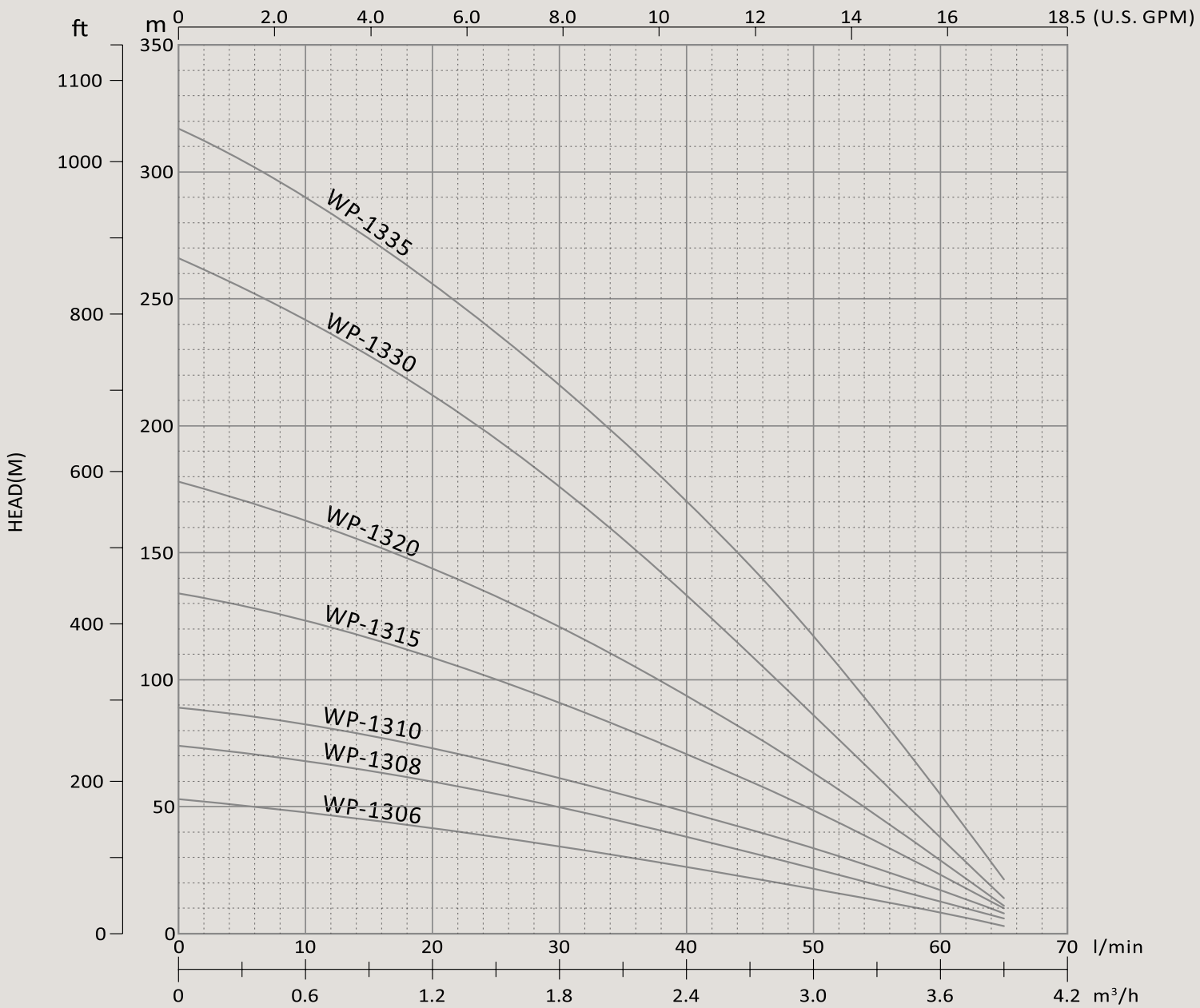


MODEL	CAPACITY		POWER		Stages	CAPACITY															Disch
	GPM	m³/hr	HP	kW		m³/hr	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0				
WP-1006			0.50	0.37	6	HEAD (m)	50	48	45	42	38	34	29	24	19	13	8				
WP-1009			0.75	0.55	9	HEAD (m)	78	73	69	65	60	54	47	40	33	23	16				
WP-1012			1	0.75	12	HEAD (m)	101	96	90	84	77	70	60	51	41	30	18				
WP-1017	10	2	1.5	1.1	17	HEAD (m)	143	135	127	119	108	97	85	71	53	37	20				
WP-1022			2	1.5	22	HEAD (m)	187	177	166	155	141	127	111	93	73	51	27				
WP-1030			3	2.2	30	HEAD (m)	255	243	228	214	193	174	153	129	102	75	45				
WP-1040			4	3	40	HEAD (m)	340	325	306	283	258	235	209	171	132	88	45				

WP-13 series / 4 Inch / 50Hz

Specifications & Performance Curve

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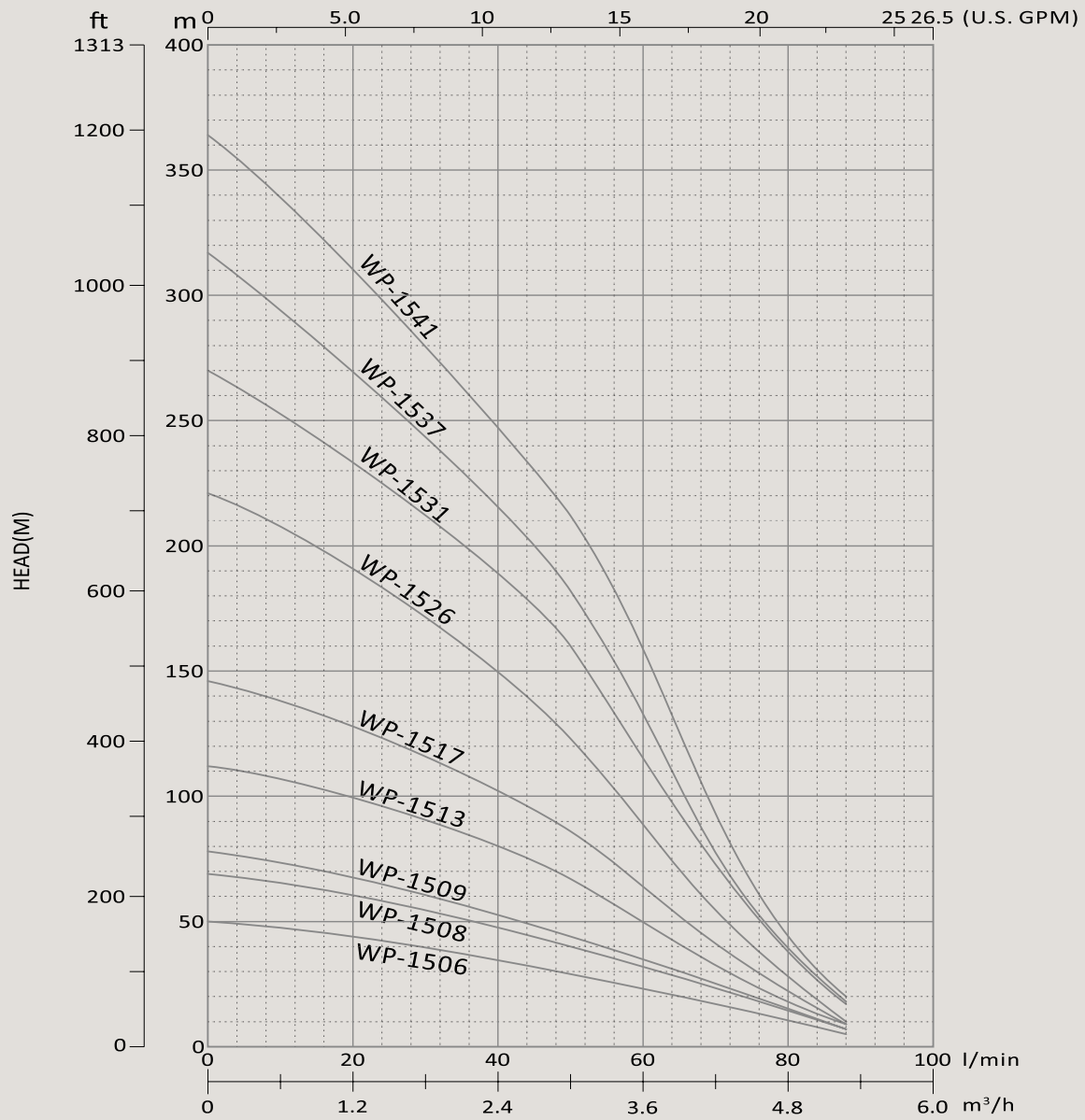


MODEL	CAPACITY		POWER		Stages	CAPACITY													Disch
						m³/hr	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.6	
						GPM	0	1.3	2.6	4.0	5.3	6.6	7.9	9.2	10.6	11.9	13.2	15.9	
						LPM	0	5	10	15	20	25	30	35	40	45	50	60	
WP-1306			0.5	0.37	6	53	51	48	46	43	40	35	31	27	22	17	6	1-1/4" / 1-1/2" / 2"	
WP-1308			0.75	0.55	8	74	70	67	64	60	55	50	45	38	32	26	12		
WP-1310			1	0.75	10	89	85	82	77	72	68	62	55	48	41	33	16		
WP-1315	13	3	1.5	1.1	15	134	129	123	116	110	101	92	82	70	60	47	23		
WP-1320			2	1.5	20	178	170	162	152	142	131	120	108	93	79	62	27		
WP-1330			3	2.2	30	266	252	239	225	211	192	173	155	132	110	87	35		
WP-1335			4	3	35	317	303	290	274	254	235	215	193	168	145	115	54		

WP-15 series / 4 Inch / 50Hz

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Specifications & Performance Curve

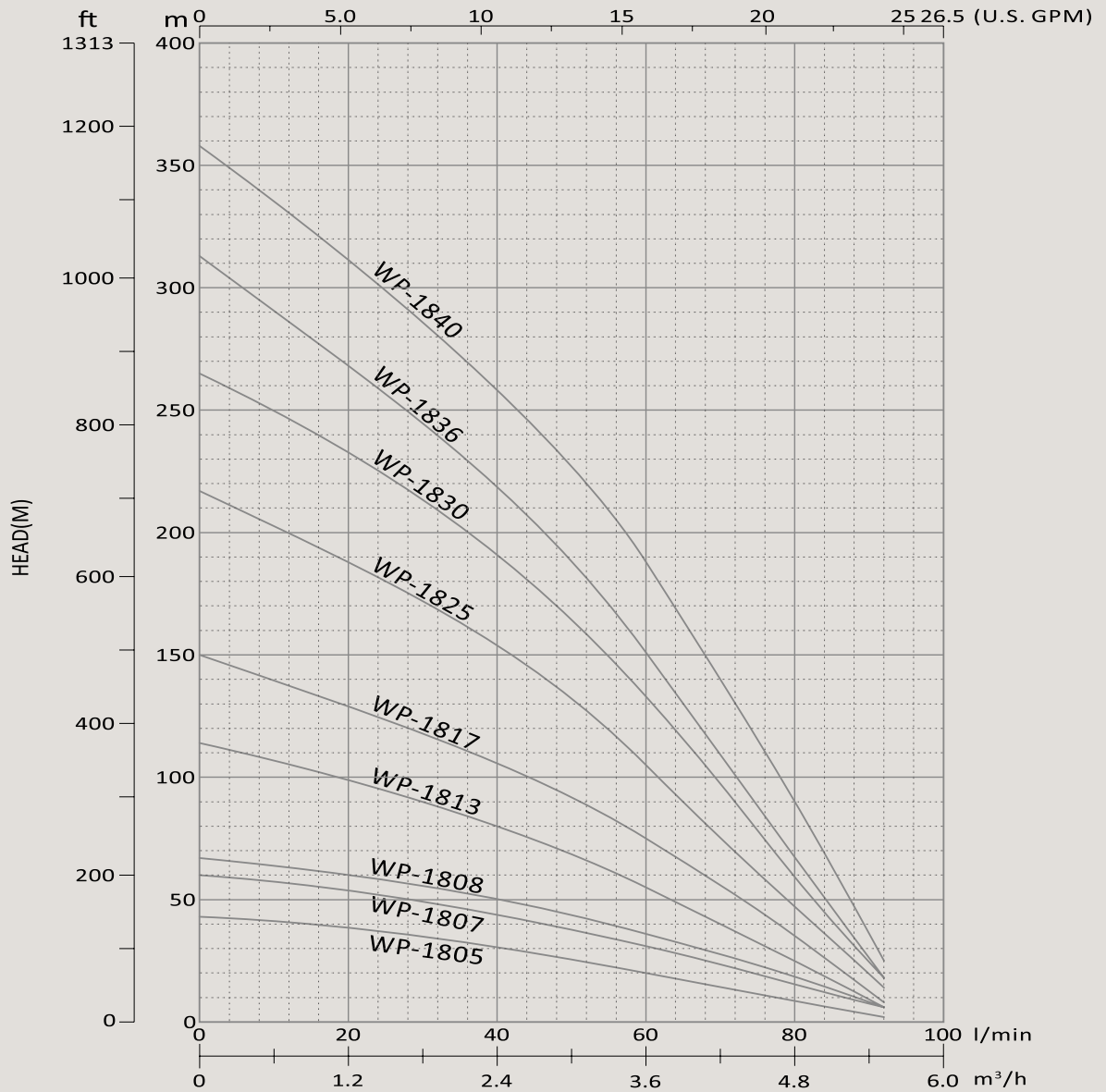


MODEL	CAPACITY		POWER		Stages	CAPACITY														Disch
	GPM	m³/hr	HP	kW		m³/hr	0	1.5	1.8	2.1	2.4	2.7	3.0	3.6	4.2	4.8				
							GPM	0	6.6	7.9	9.2	10.6	11.9	13.2	15.9	18.5	21.1			
						LPM	0	25	30	35	40	45	50	60	70	80				
WP-1506			0.5	0.37	6	HEAD (m)	50	41	39	37	35	32	29	22	15	7	1-1/4" / 1-1/2" / 2"			
WP-1508			0.75	0.55	8	69	57	55	52	48	45	40	30	21	11					
WP-1509			1	0.75	9	78	63	60	57	53	49	44	34	23	11					
WP-1513			1.5	1.1	13	112	92	88	84	80	74	67	52	35	18					
WP-1517	15	3.4	2	1.5	17	146	120	113	107	102	94	86	67	45	23					
WP-1526			3	2.2	26	221	178	169	159	150	140	123	94	62	25					
WP-1531			4	3	31	270	221	210	200	187	176	160	123	82	40					
WP-1537			5	3.7	37	317	259	245	230	215	200	182	140	92	40					
WP-1541			5.5	4	41	364	295	280	262	248	230	212	160	108	40					

WP-18 series / 4 Inch / 50Hz

Specifications & Performance Curve

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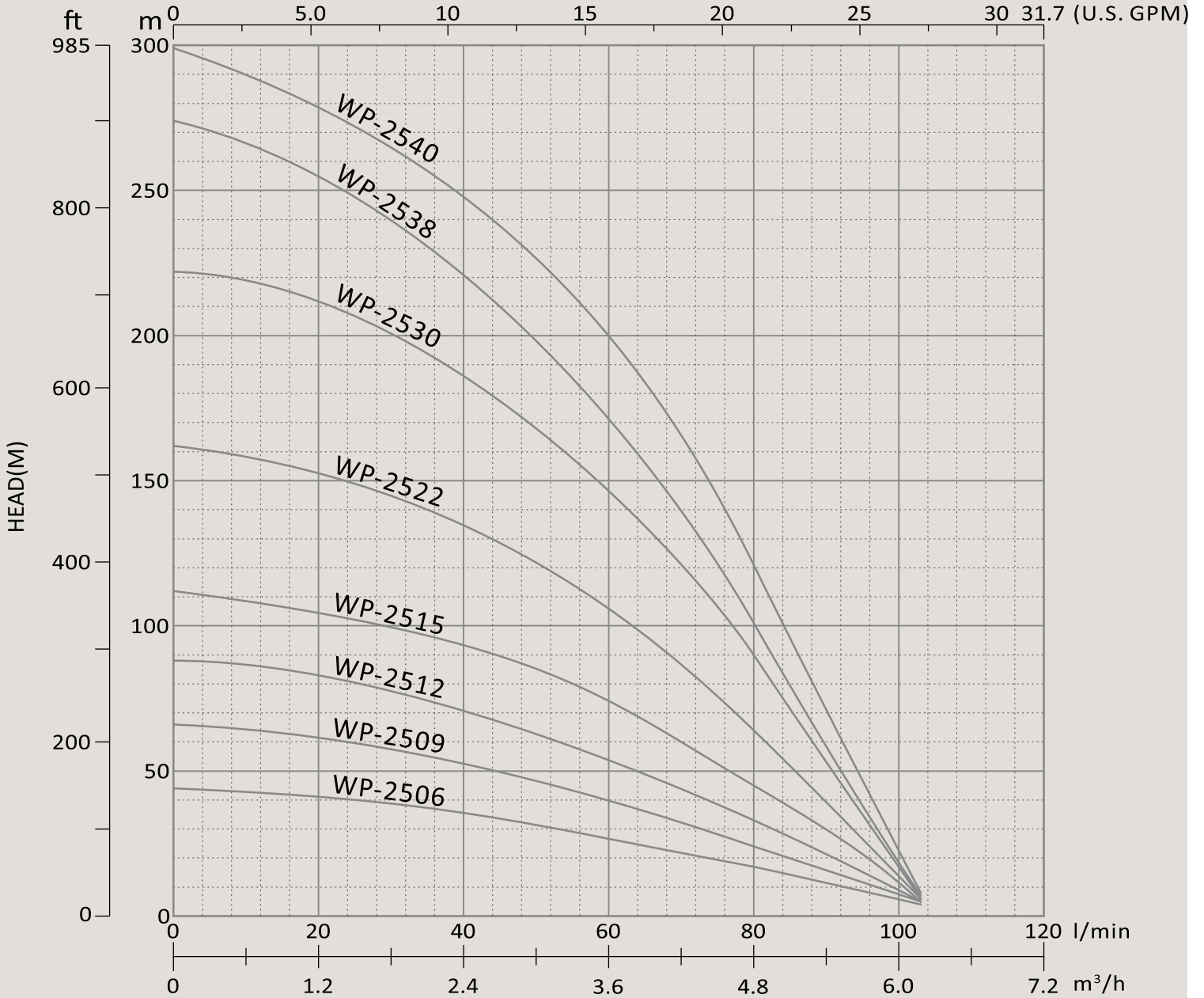
MODEL	CAPACITY		POWER		Stages	CAPACITY									Disch	
	GPM	m³/hr	HP	kW		m³/hr	0	1.2	1.8	2.4	3.0	3.6	4.2	4.8		5.4
						GPM	0	5.3	7.9	10.6	13.2	15.9	18.5	21.1		23.8
						LPM	0	20	30	40	50	60	70	80		90
WP-1805			0.5	0.37	5	43	38	35	30	26	20	15	9	3		
WP-1807			0.75	0.55	7	60	53	48	44	38	31	23	16	7		
WP-1808			1	0.75	8	67	60	55	50	44	36	28	19	7		
WP-1813			1.5	1.1	13	114	98	90	80	69	55	40	25	8		
WP-1817	18	4	2	1.5	17	149	129	118	106	92	75	56	35	11		
WP-1825			3	2.2	25	217	187	172	155	133	105	76	47	16		
WP-1830			4	3	30	265	232	213	192	165	133	98	60	27		
WP-1836			5	3.7	36	313	268	245	219	189	151	110	68	27		
WP-1840			5.5	4	40	358	312	287	258	228	188	140	90	37		

1- 1/4" /
1- 1/2" /
2"

WP-25 series / 4 Inch / 50Hz

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Specifications & Performance Curve

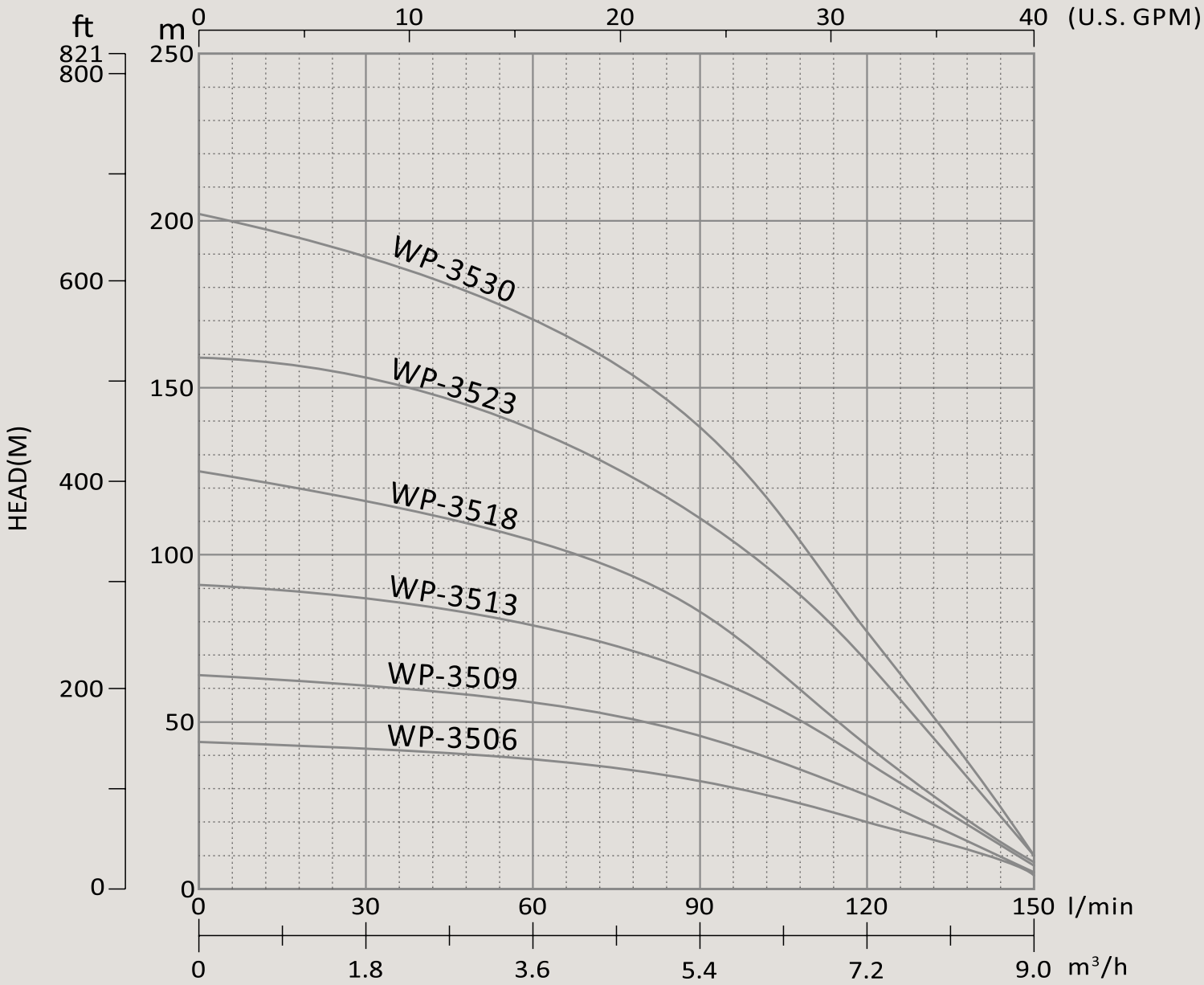


MODEL	CAPACITY		POWER		Stages	CAPACITY										Disch		
	GPM	m³/hr	HP	kW		m³/hr	0	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4		6.0	
							GPM	0	5.3	7.9	10.6	13.2	15.9	18.5	21.1		23.8	26.4
WP-2506			0.5	0.37	6	LPM	0	20	30	40	50	60	70	80	90	100		
WP-2509			1	0.75	9		44	41	39	36	32	28	22	17	12	4		
WP-2512			1.5	1.1	12		66	62	57	53	48	40	33	24	16	5		
WP-2515	25	6	2	1.5	15	HEAD	88	83	77	71	63	53	44	33	21	6		
WP-2522			3	2.2	22	(m)	112	105	99	94	85	74	60	45	30	10	1-1/4" /	
WP-2530			4	3	30		162	153	145	135	121	107	87	64	40	14	1-1/2" /	
WP-2538			5	3.7	38		222	212	200	186	168	148	122	90	54	17	2"	
WP-2540			5.5	4	40		275	255	238	221	197	172	140	101	60	18		
								300	279	264	247	227	200	166	121	70	25	

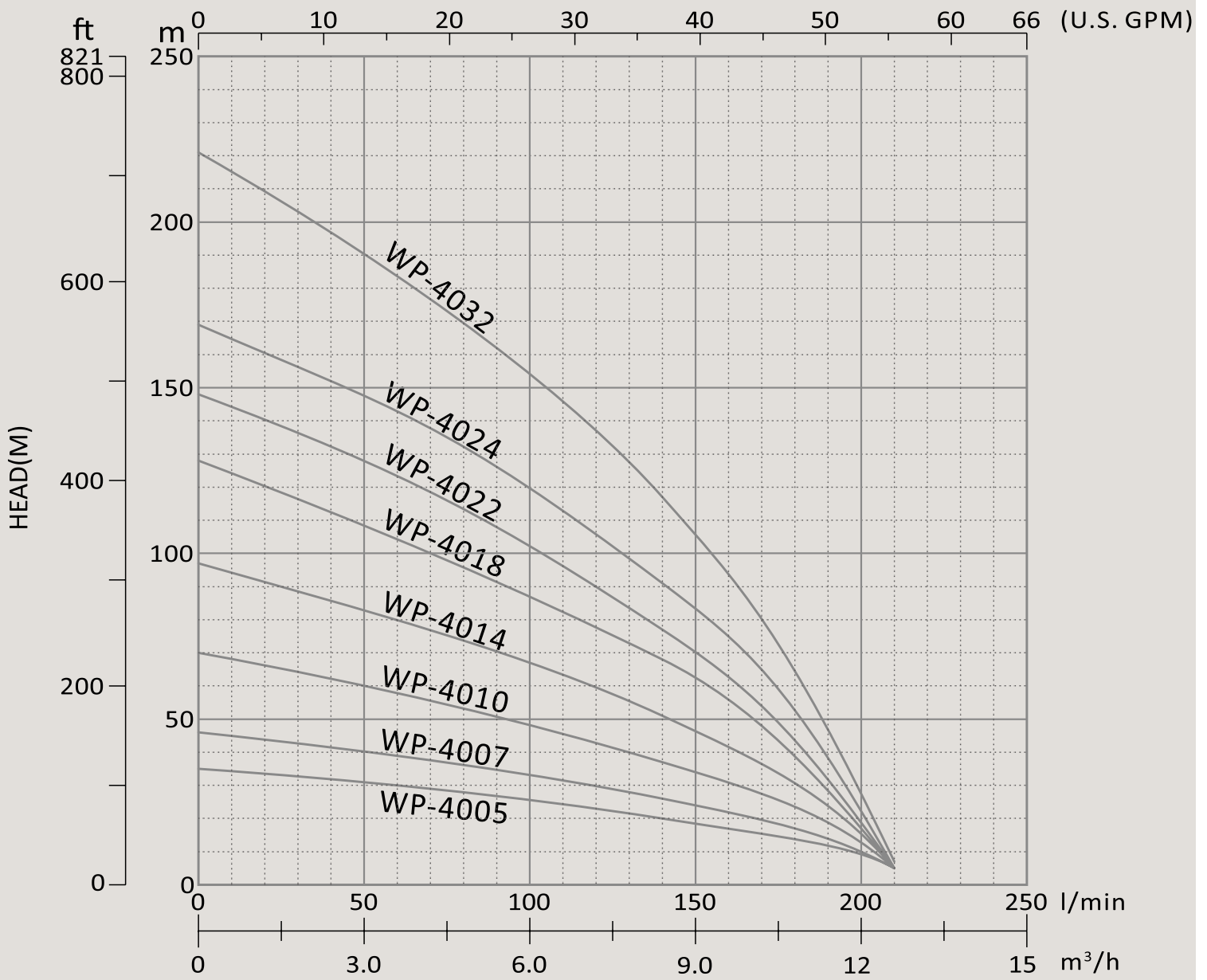
WP-35 series / 4 Inch / 50Hz

Specifications & Performance Curve

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MODEL	CAPACITY		POWER		Stages	CAPACITY										Disch
	GPM	m³/hr	HP	kW		m³/hr	0	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1	
							GPM	0	7.9	11.9	15.9	19.8	23.8	27.7	31.7	
						LPM	0	30	45	60	75	90	105	120	135	
WP-3506			1	0.75	6		44	42	40	39	37	32	27	20	13	
WP-3509			1.5	1.1	9		64	61	59	56	52	47	38	28	17	
WP-3513	35	8	2	1.5	13	HEAD (m)	91	87	83	79	73	65	53	38	23	
WP-3518			3	2.2	18		125	117	110	106	96	82	64	43	25	
WP-3523			4	3	23		159	153	147	138	127	112	92	68	39	
WP-3530			5	3.7	30		202	189	180	170	157	139	110	77	45	

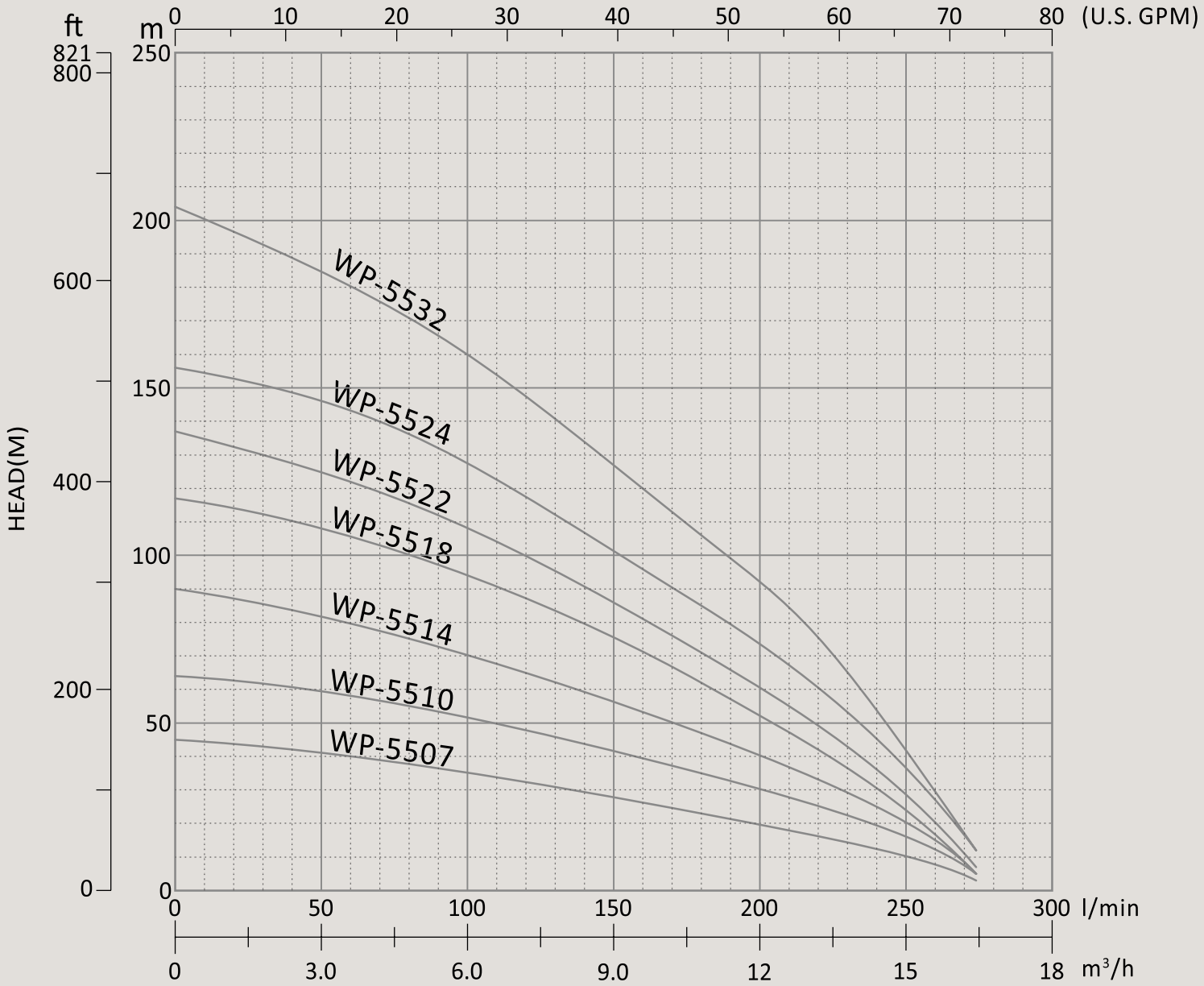


MODEL	CAPACITY		POWER		Stages	CAPACITY											Disch
	GPM	m³/hr	HP	kW		m³/hr	0	1.5	3.0	4.5	6.0	7.5	9.0	10.5	12.0	12.6	
							GPM	0	6.6	13.2	19.8	26.4	33.0	39.6	46.2	52.8	
WP-4005			1	0.75	5	35	32	31	28	25	22	18	15	9	5		
WP-4007			1.5	1.1	7	46	42	40	37	33	29	23	18	10	5		
WP-4010			2	1.5	10	70	65	60	55	48	41	34	26	14	6		
WP-4014	40	9	3	2.2	14	97	90	83	76	67	58	47	34	17	6	1-1/4" / 1-1/2" / 2"	
WP-4018			4	3	18	128	118	108	98	87	76	63	43	18	7		
WP-4022			5	3.7	22	148	139	127	117	102	87	70	48	19	7		
WP-4024			5.5	4	24	169	159	147	136	120	102	83	58	24	8		
WP-4032			7.5	5.5	32	221	207	190	173	153	133	107	73	27	9		

WP-55 series / 4 Inch / 50Hz

Specifications & Performance Curve

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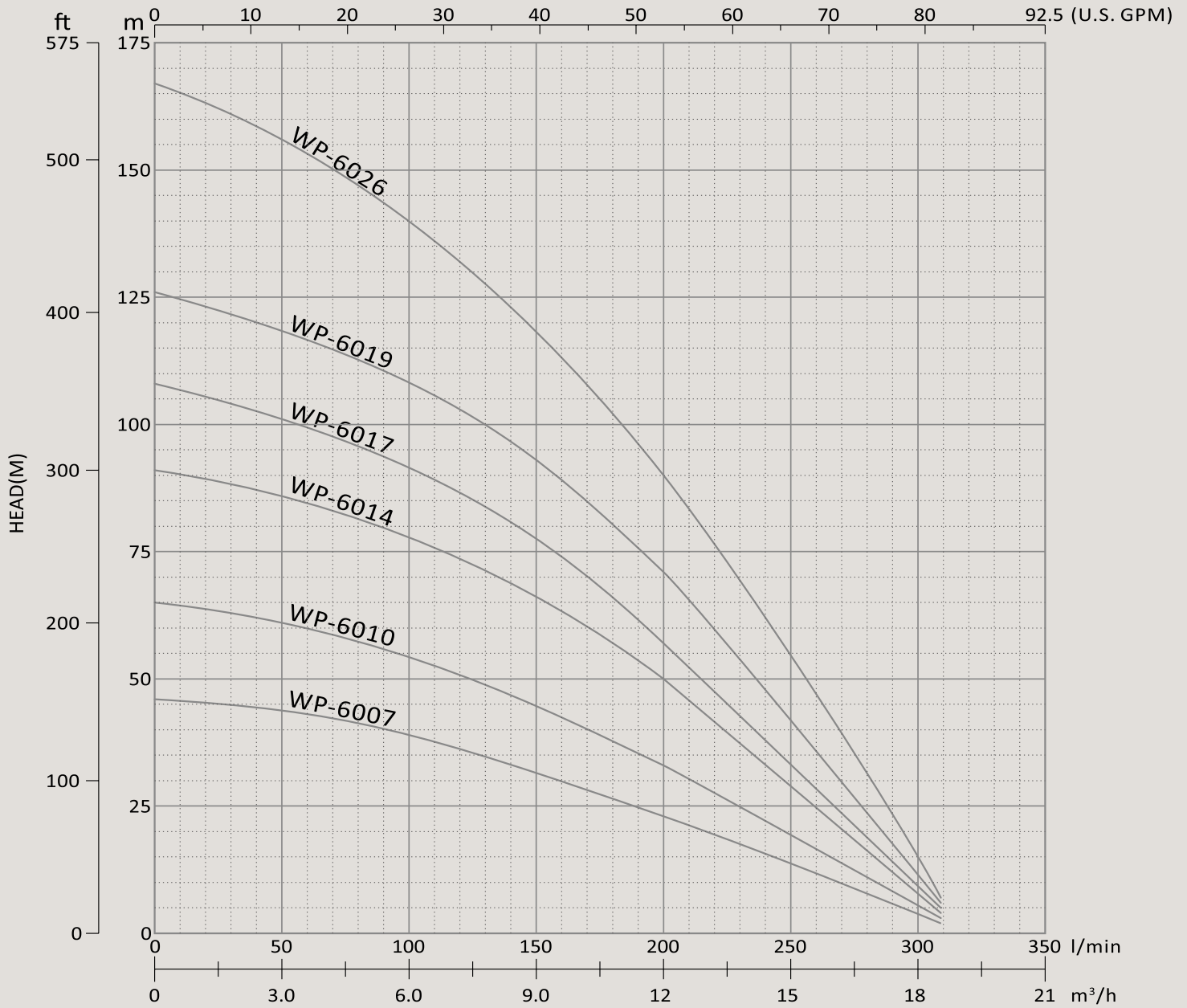


MODEL	CAPACITY		POWER		Stages	CAPACITY							Disch	
	GPM	m³/hr	HP	kW		m³/hr	0	3	6	9	12	15		16.5
						GPM	0	13	26	40	53	66		73
WP-5507			1.5	1.1	7	HEAD (m)	45	41	36	28	20	10	4	
WP-5510			2	1.5	10		64	59	52	42	30	17	5	
WP-5514			3	2.2	14		90	82	70	56	40	20	6	
WP-5518	55	12	4	3	18		117	108	93	76	52	25	7	
WP-5522			5	3.7	22		137	125	108	87	60	29	8	
WP-5524			5.5	4	24		156	147	128	101	74	37	12	
WP-5532			7.5	5.5	32		204	185	160	128	92	42	13	

WP-60 series / 4 Inch / 50 Hz

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Specifications & Performance Curve

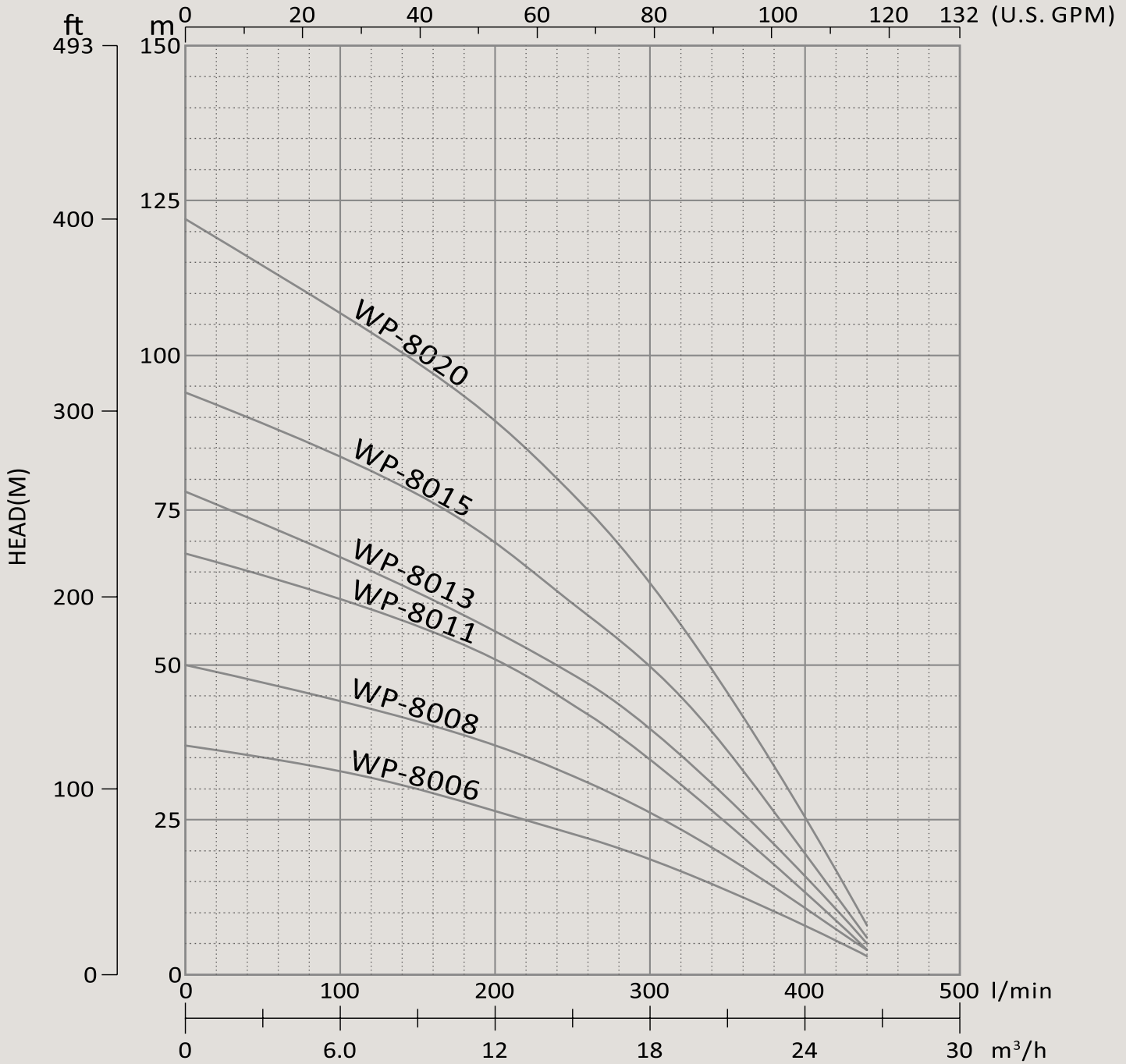


MODEL	CAPACITY		POWER		Stages	CAPACITY								Disch	
	GPM	m³/hr	HP	kW		m³/hr	0	3	6	9	12	15	18		18.6
						GPM	0	13	26	40	53	66	79		82
						LPM	0	50	100	150	200	250	300		310
WP-6007			2	1.5	7	46	44	38	32	23	14	3	2		
WP-6010			3	2.2	10	65	61	54	45	33	19	6	3		
WP-6014	60	14	4	3	14	91	86	78	67	50	29	8	4	1- 1/4" / 1-1/2" / 2"	
WP-6017			5	3.7	17	108	102	91	77	57	33	10	6		
WP-6019			5.5	4	19	126	118	108	93	71	42	12	7		
WP-6026			7.5	5.5	26	167	156	141	117	90	55	15	8		

WP-80 series / 4 Inch / 50Hz

Specifications & Performance Curve

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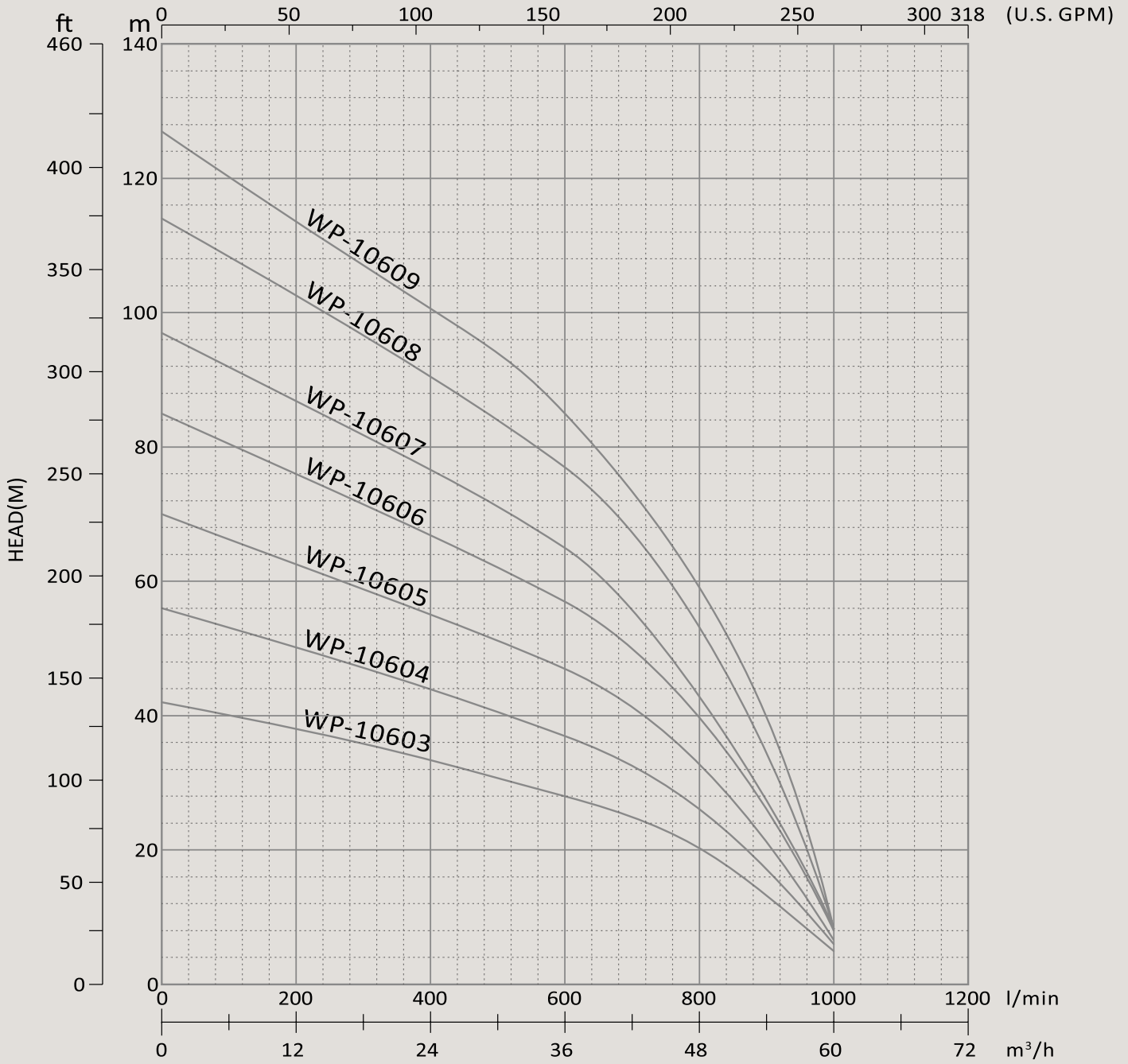


MODEL	CAPACITY		POWER		Stages	CAPACITY										Disch	
	GPM	m³/hr	HP	kW		m³/hr	0	3	6	9	12	15	18	21	24		25.2
						GPM	0	13	26	40	53	66	79	92	106		111
						LPM	0	50	100	150	200	250	300	350	400	420	
WP-8006			2	1.5	6	HEAD	37	35	33	30	26	23	18	14	8	3	1 1/4" / 1 1/2" / 2"
WP-8008			3	2.2	8	(m)	50	47	44	41	37	33	26	18	11	4	
WP-8011	80	18	4	3	11	68	64	61	56	52	44	35	24	13	4		
WP-8013			5	3.7	13	78	73	67	63	56	48	40	28	17	5		
WP-8015			5.5	4	15	94	88	83	73	70	60	50	37	20	6		
WP-8020			7.5	5.5	20	122	114	107	98	89	78	63	45	26	8		

WP-106 series / 6 Inch / 50Hz

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Specifications & Performance Curve

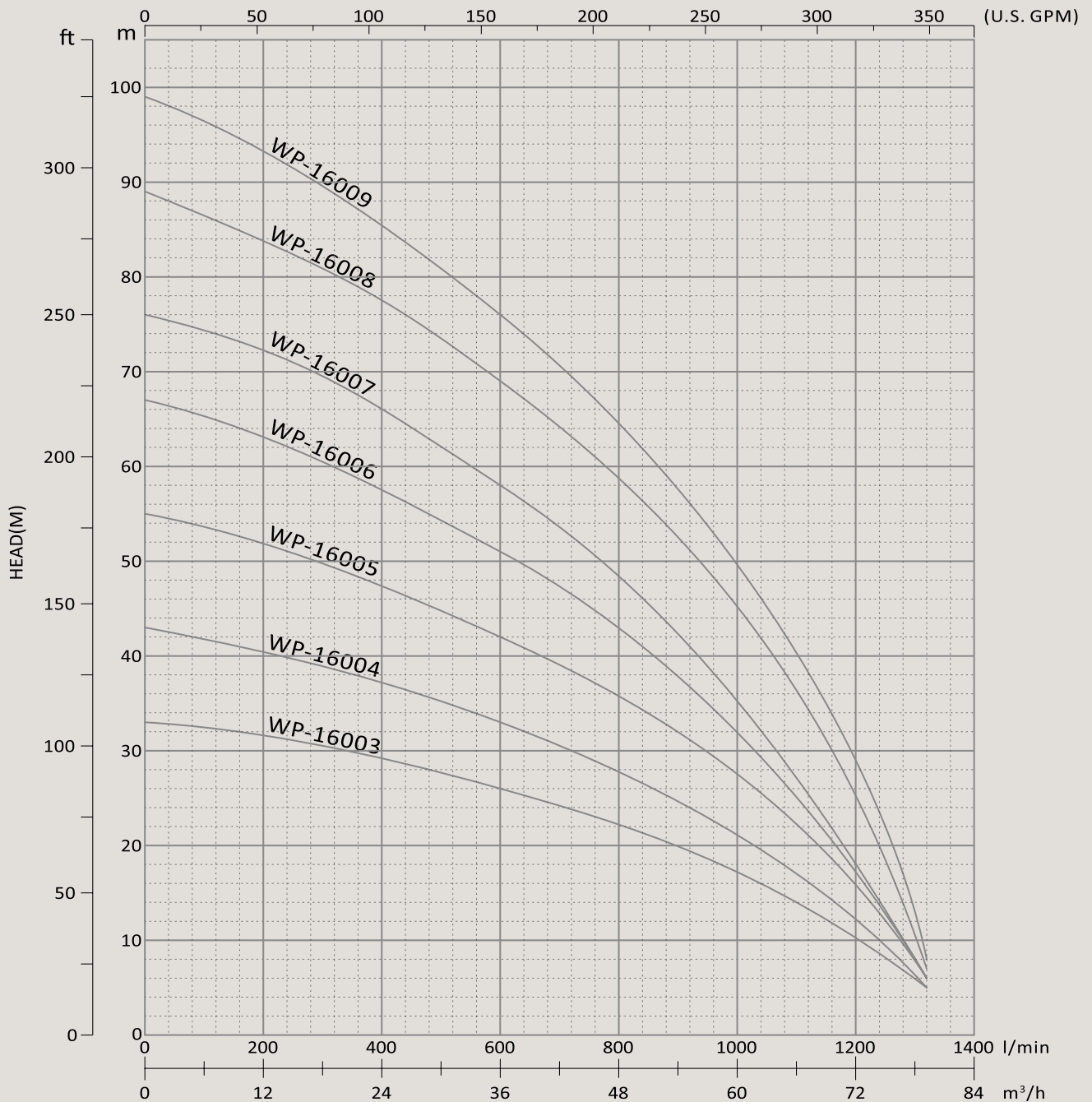


MODEL	CAPACITY		POWER		Stages	CAPACITY											Disch
	GPM	m ³ /hr	HP	kW		m ³ /hr											
							0	12	18	24	30	36	42	48	54	60	
WP-10603			5	3.7	3	HEAD (m)	42	37	35	32	30	28	25	20	14	5	3"/4"
WP-10604			7.5	5.5	4	55	50	46	42	40	37	32	26	16	6		
WP-10605			10	7.5	5	70	62	58	53	50	47	42	33	21	7		
WP-10606	106	24	12.5	9	6	85	76	71	64	60	57	51	40	27	8		
WP-10607			15	11	7	97	86	80	73	69	65	56	43	27	10		
WP-10608			17.5	13	8	114	102	95	86	81	77	68	53	35	12		
WP-10609			20	15	9	127	113	105	95	90	85	75	58	38	14		

WP-160 series / 6 Inch / 50Hz

Specifications & Performance Curve

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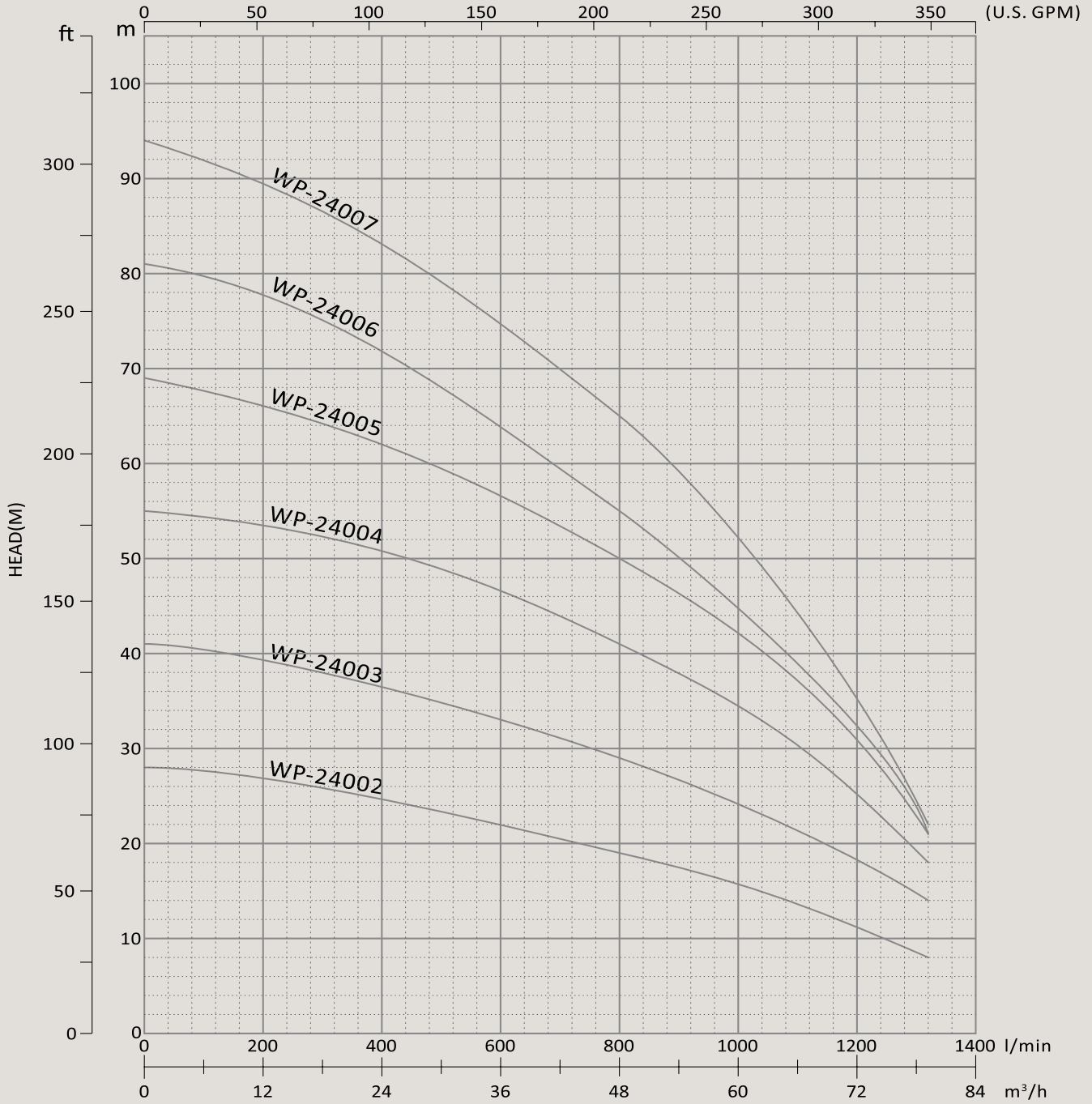


MODEL	CAPACITY		POWER		Stages	CAPACITY											Disch	
	GPM	m³/hr	HP	kW		m³/hr	0	18	24	30	36	42	48	54	60	66		72
						GPM	0	79	106	132	159	185	211	238	264	291		317
						LPM	0	300	400	500	600	700	800	900	1000	1100		1200
WP-16003			5	3.7	3	33	31	30	28	26	24	22	21	18	15	11		
WP-16004			7.5	5.5	4	43	40	38	36	33	31	29	26	21	17	13		
WP-16005			10	7.5	5	54	51	49	45	42	40	38	34	29	23	17		
WP-16006	160	36	12.5	9	6	67	62	60	55	51	48	45	41	35	27	19	3"/4"	
WP-16007			15	11	7	76	70	67	62	58	55	50	46	38	29	19		
WP-16008			17.5	13	8	90	83	80	74	69	65	61	56	47	37	26		
WP-16009			20	15	9	99	92	87	81	76	71	66	60	50	39	27		

WP-240 series / 6 Inch / 50Hz

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Specifications & Performance Curve



MODEL	CAPACITY		POWER		Stages	CAPACITY													Disch
	GPM	m³/hr	HP	kW		HEAD (m)	m³/hr	0	18	24	30	36	42	48	54	60	66	72	
							GPM	0	79	106	132	159	185	211	238	264	291	317	
WP-24002	240	54	7.5	5.5	2	HEAD (m)	28	26	25	23	22	21	19	18	16	15	12		
WP-24003			10	7.5	3	41	39	37	35	33	31	29	28	25	22	18			
WP-24004			12.5	9	4	56	53	51	47	45	43	41	38	35	31	25			
WP-24005			15	11	5	69	66	62	58	55	53	50	47	43	37	30			
WP-24006			17.5	13	6	81	75	72	67	62	59	55	51	46	39	30			
WP-24007			20	15	7	94	88	83	77	73	69	65	60	54	45	35			

WP-05 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WP-0510	388	3.43
WP-0515	500	4.40
WP-0520	612	5.36
WP-0530	871	7.54
WP-0540	1095	9.47

WP-15 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WP-1506	316	2.81
WP-1508	366	3.26
WP-1509	391	3.48
WP-1513	492	4.39
WP-1517	593	5.29
WP-1526	820	7.33
WP-1531	981	8.75
WP-1537	1132	10.1
WP-1541	1236	11.38

WP-25 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WP-2506	325	2.60
WP-2509	405	3.60
WP-2512	490	4.30
WP-2515	573	4.90
WP-2522	880	7.50
WP-2530	1020	8.70
WP-2538	1254	11.00
WP-2540	1300	11.50

WP-10 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WP-1006	293	2.69
WP-1009	360	3.28
WP-1012	428	3.88
WP-1017	540	4.87
WP-1022	652	5.86
WP-1030	866	7.69
WP-1040	1090	9.67

WP-18 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WP-1805	290	2.58
WP-1807	341	3.03
WP-1808	367	3.26
WP-1813	492	4.38
WP-1817	593	5.29
WP-1825	794	7.10
WP-1830	956	8.52
WP-1836	1107	9.88
WP-1840	1210	11.15

WP-35 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WP-3506	380	3.30
WP-3509	490	4.00
WP-3513	636	5.50
WP-3518	850	7.00
WP-3523	1032	8.60
WP-3530	1292	11.00

WP-13 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WP-1306	298	2.69
WP-1308	342	3.10
WP-1310	386	3.51
WP-1315	497	4.55
WP-1320	608	5.58
WP-1330	869	7.81
WP-1335	977	8.98

WP-40 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WP-4005	398	3.27
WP-4007	492	4
WP-4010	631	5.09
WP-4014	817	6.54
WP-4018	1039	8.29
WP-4022	1125	9.37
WP-4024	1321	10.85
WP-4032	1694	13.76

WP-55 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WP-5507	511	4.13
WP-5510	660	5.28
WP-5514	858	6.81
WP-5518	1091	8.63
WP-5522	1292	10.54
WP-5524	1391	11.30
WP-5532	1787	14.36

WP-106 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WP-10603	576	9.1
WP-10604	714	11.1
WP-10605	852	13.1
WP-10606	1032	16.2
WP-10607	1176	18.2
WP-10608	1309	20.2
WP-10609	1447	22.2

WP-60 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WP-6007	525	4.50
WP-6010	683	6.00
WP-6014	930	8.00
WP-6017	1090	9.50
WP-6019	1190	10.50
WP-6026	1560	14.00

WP-160 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WP-16003	576	9.1
WP-16004	714	11.1
WP-16005	852	13.1
WP-16006	1032	16.2
WP-16007	1176	18.2
WP-16008	1309	20.2
WP-16009	1447	22.2

WP-80 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WP-8006	572	4.90
WP-8008	709	5.80
WP-8011	915	7.50
WP-8013	1009	8.70
WP-8015	1232	9.50
WP-8020	1575	12.50

WP-240 Series

MODEL	LENGTH	WEIGHT
	mm	KG
WP-24002	437	7.1
WP-24003	576	9.1
WP-24004	714	11.1
WP-24005	852	13.1
WP-24006	1032	16.2
WP-24007	1176	18.2



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