

PRAKASH

Quality, Reliability, Life

Horizontal Multistage Stainless Steel Pump



www.prakashpump.com

Horizontal Multistage Stainless Steel Pump

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Applications

- It is applicable to household water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering, fish farming and poultry raising, industrial and mining, water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system, etc.

Application Limits

- Max. liquid temperature: +85°C
- Altitude: up to 1000 m
- Max. suction: 8 m
- Max. inlet pressure: limited by max. operating pressure
- Max. operating pressure: 10 bar
- Liquid PH value: 4-10

Performance Range

- Flow : up to 28 m³/hr
- Head : up to 58m

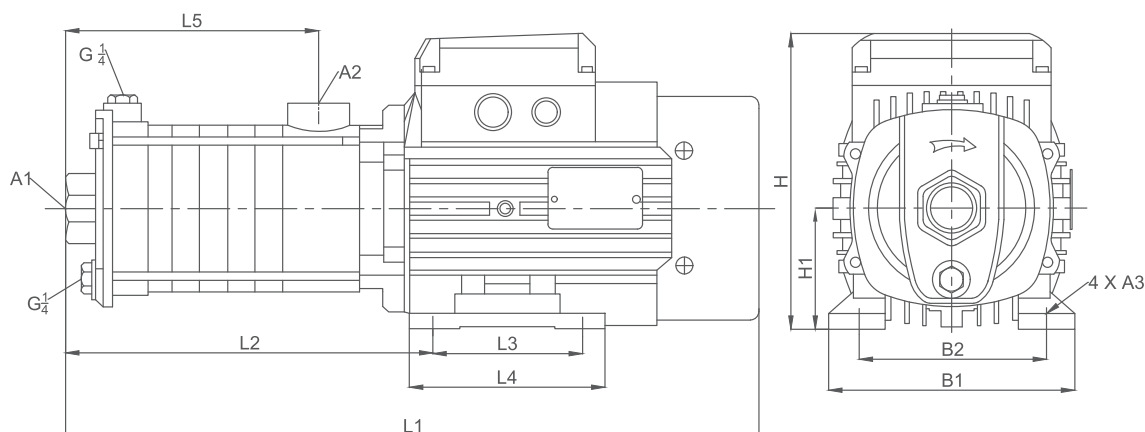
Motor Details

- Motor with copper winding
- Built-in thermal protector for single phase motor
- Insulation class: F
- Protection class: IP54 or IPX4
- Max. ambient temperature: +40°C
- 2 Pole induction motor
- Power : 0.37kw to 4.0kw
- Speed 2900 rpm
- Duty : S1

Pump Selection Chart

MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	POWER		PHASE	INLET/ OUTLET	Max. Flow (LPM)	Max. Head (m)	Max. Suction (m)	GW (Kg)
		KW	HP						
PHMP2-20	PHMPSS2-20	0.37	0.5	1 phase	1" x 1"	60	18	8	11.5
PHMP2-30	PHMPSS2-30	0.37	0.5				27		11.8
PHMP2-40	PHMPSS2-40	0.55	0.75				35		13.2
PHMP2-50	PHMPSS2-50	0.55	0.75				45		13.7
PHMP2-60	PHMPSS2-60	0.75	1				53		14.6

G.A. Drawing



Pump Dimension

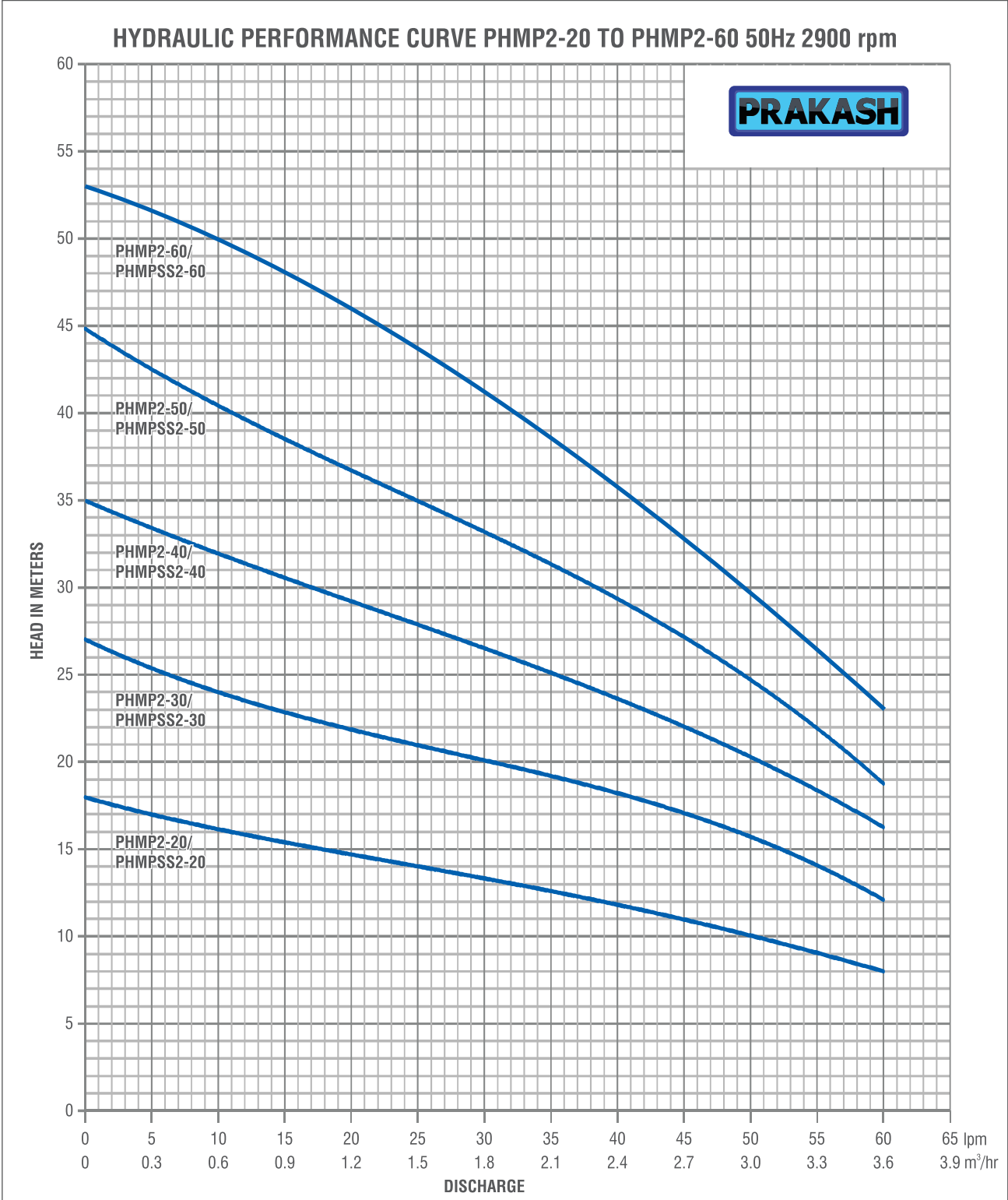
MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	L1	L2	L3	L4	L5	B1	B2	H	H1	A1	A2	A3
PHMP2-20	PHMPSS2-20	344.5	165.5	90.0	110.0	98.5	137.0	109.0	176.5	71.0	G1"	G1"	ø7
PHMP2-30	PHMPSS2-30	362.5	183.5	90.0	110.0	116.5	137.0	109.0	176.5	71.0	G1"	G1"	ø7
PHMP2-40	PHMPSS2-40	380.5	201.5	90.0	110.0	134.5	137.0	109.0	176.5	71.0	G1"	G1"	ø7
PHMP2-50	PHMPSS2-50	399.5	220.5	90.0	110.0	153.5	137.0	109.0	176.5	71.0	G1"	G1"	ø7
PHMP2-60	PHMPSS2-60	417.5	238.5	90.0	110.0	171.5	137.0	109.0	176.5	71.0	G1"	G1"	ø7



Performance Chart

MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	Power		Q	US GPM	0	2.6	5.3	7.9	10.6	13.2	15.9
		KW	HP		M³/H	0	0.6	1.2	1.8	2.4	3.0	3.6
					LPM	0	10	20	30	40	50	60
PHMP2-20	PHMPSS2-20	0.37	0.5	H (m)		18	16	15	13	12	10	8
PHMP2-30	PHMPSS2-30	0.37	0.5			27	24	22	20	18	16	12
PHMP2-40	PHMPSS2-40	0.55	0.75			35	33	30	26	24	21	16
PHMP2-50	PHMPSS2-50	0.55	0.75			45	40	37	33	30	24	19
PHMP2-60	PHMPSS2-60	0.75	1			53	50	45	40	36	30	23

Pump Performance Curve



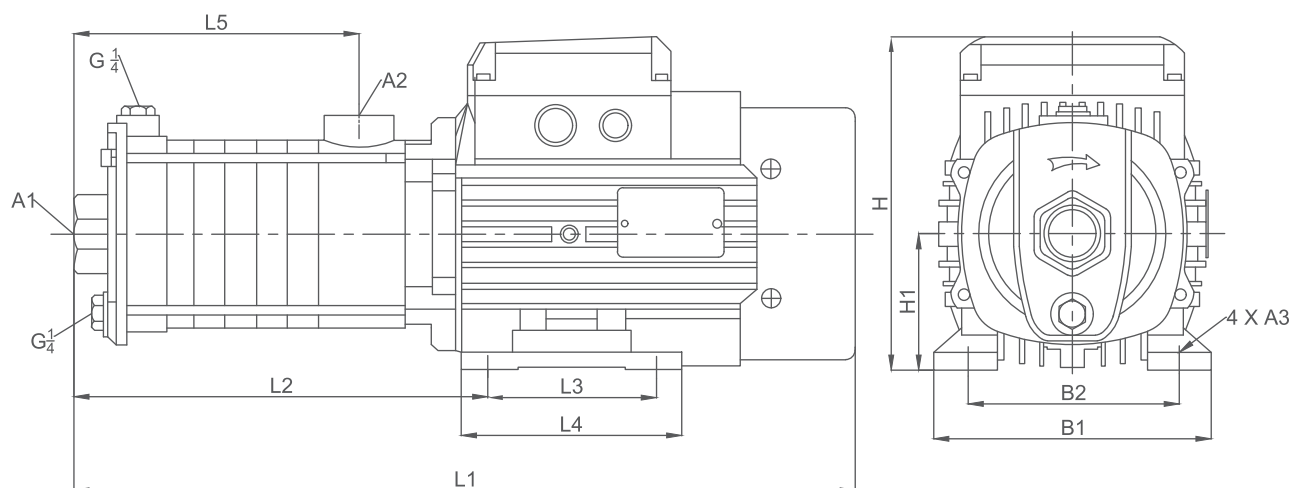
Horizontal Multistage Stainless Steel pump

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Pump Selection Chart

MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	Power		PHASE	INLET/ OUTLET	Max. Flow (LPM)	Max. Head (m)	Max. Suction (m)	GW (Kg)
		KW	HP						
PHMP4-20	PHMPSS4-20	0.55	0.75	1 phase	1 1/4" x 1"	117	18	8	13.1
PHMP4-30	PHMPSS4-30	0.75	1.0				28		13.6
PHMP4-40	PHMPSS4-40	0.75	1.0				38		14.7
PHMP4-50	PHMPSS4-50	1.1	1.5				48		21.5
PHMP4-60	PHMPSS4-60	1.1	1.5				58		22.0

G.A. Drawing



Pump Dimension

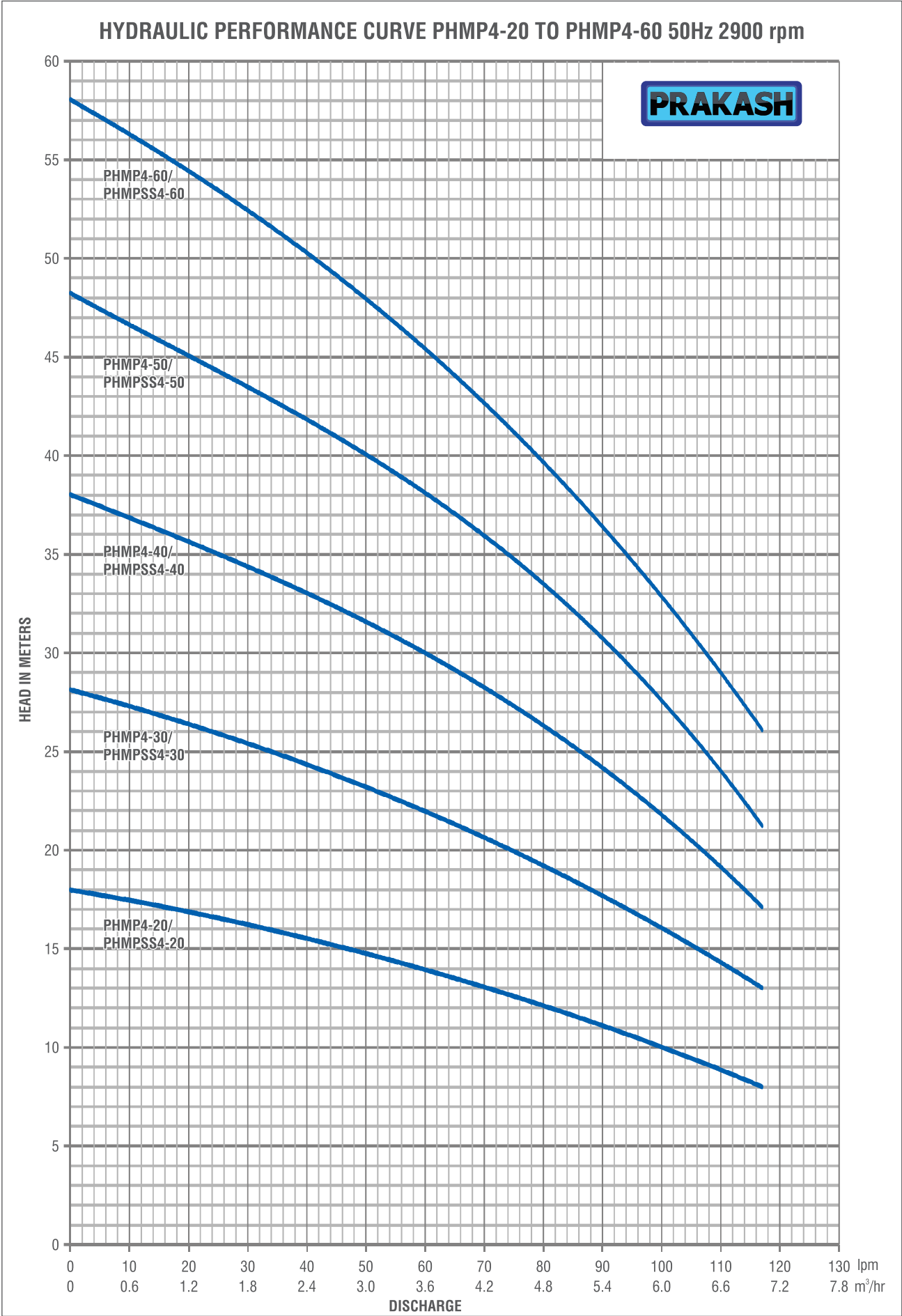
MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	L1	L2	L3	L4	L5	B1	B2	H	H1	A1	A2	A3
PHMP4-20	PHMPSS4-20	354.0	175.5	90.0	110.0	108.5	137.0	109.0	176.5	71.0	G1 1/4"	G1"	ø7
PHMP4-30	PHMPSS4-30	381.5	203.0	90.0	110.0	136.0	137.0	109.0	176.5	71.0	G1 1/4"	G1"	ø7
PHMP4-40	PHMPSS4-40	408.5	230.0	90.0	110.0	163.0	137.0	109.0	176.5	71.0	G1 1/4"	G1"	ø7
PHMP4-50	PHMPSS4-50	484.0	266.0	100.0	130.0	190.0	165.0	125.0	204.5	80.0	G1 1/4"	G1"	ø10
PHMP4-60	PHMPSS4-60	511.5	293.5	100.0	130.0	217.5	165.0	125.0	204.5	80.0	G1 1/4"	G1"	ø10

Pump Performance Chart

MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	POWER		Q	US GPM	0	4.5	8.7	13.2	17.7	21.9	26.4	30.9
		KW	HP		M³/H	0	1.0	2.0	3.0	4.0	5.0	6.0	7.0
					LPM	0	17	33	50	67	83	100	117
PHMP4-20	PHMPSS4-20	0.55	0.75	H (m)	18	17	16	15	13	12	10	8	
PHMP4-30	PHMPSS4-30	0.75	1.0		28	27	25	23	21	19	16	13	
PHMP4-40	PHMPSS4-40	0.75	1.0		38	36	34	32	28	26	22	17	
PHMP4-50	PHMPSS4-50	1.1	1.5		48	46	43	40	36	33	28	21	
PHMP4-60	PHMPSS4-60	1.1	1.5		58	55	52	48	43	39	33	26	



Pump Performance Curve



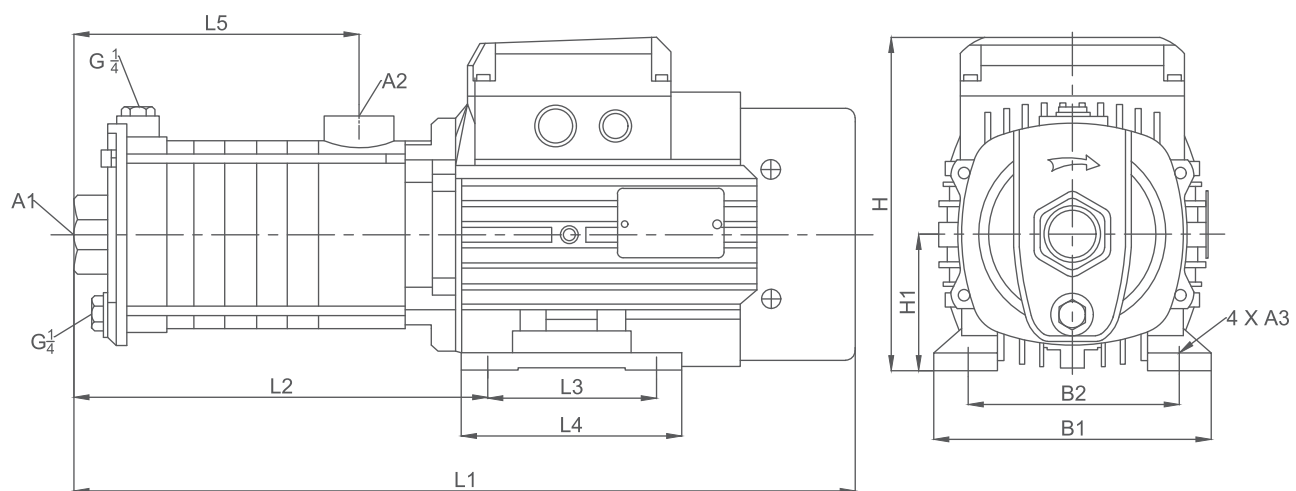
Horizontal Multistage Stainless Steel pump

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Pump Selection Chart

MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	Power		PHASE	INLET/ OUTLET	Max. Flow (LPM)	Max. Head (m)	Max. Suction (m)	GW (Kg)
		KW	HP						
PHMP10-10	PHMPSS10-10	0.75	1.0	1 phase	1 ½" x 1 ¼"	183	10	8	20.7
PHMP10-20	PHMPSS10-20					200	20		20.8
PHMP10-30	PHMPSS10-30	1.1	1.5				30		21.9
PHMP10-40	PHMPSS10-40	1.5	2.0	40			28.2		
PHMP10-50	PHMPSS10-50	2.2	3.0	50			30.6		

G.A. Drawing



Pump Dimension

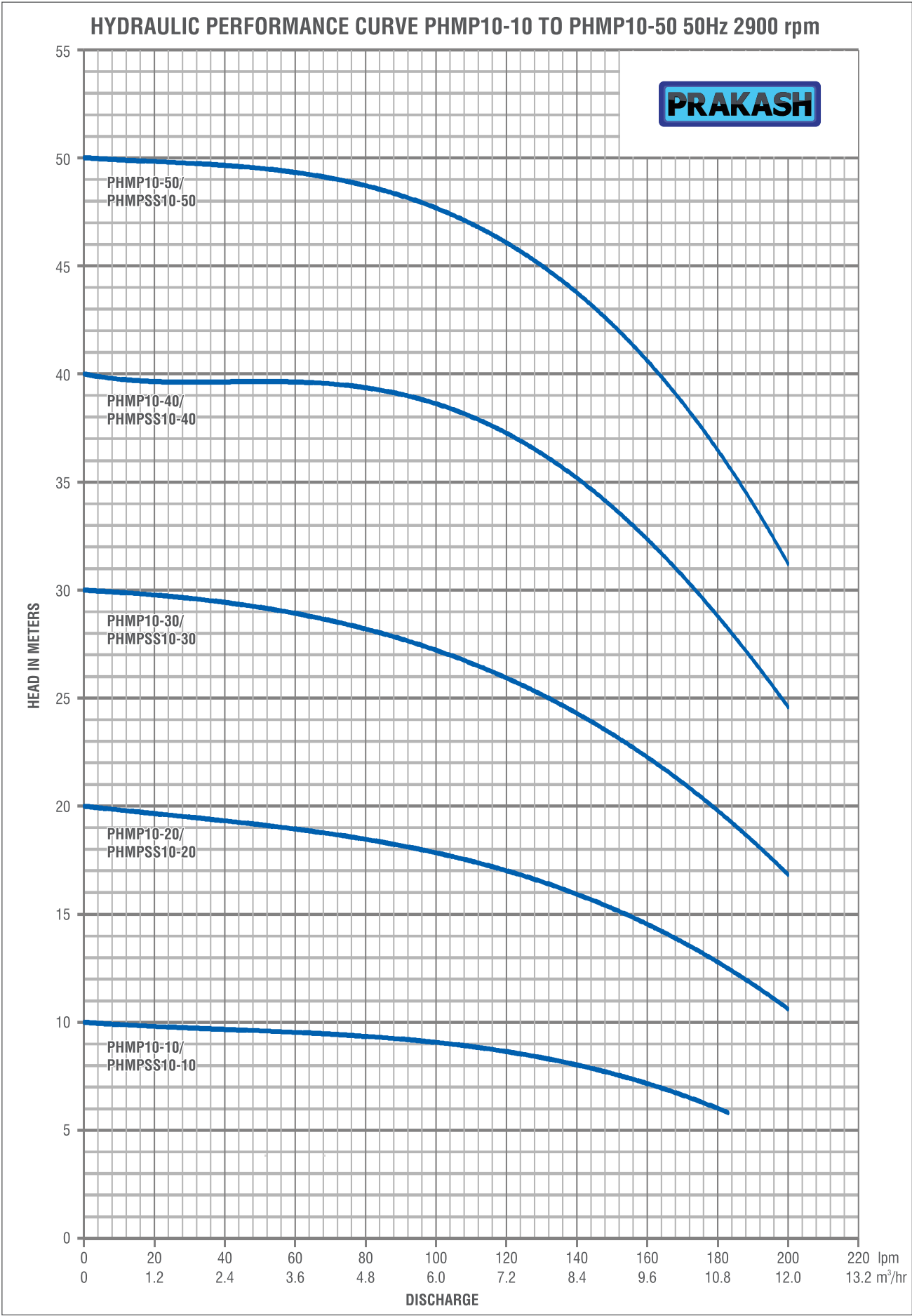
MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	L1	L2	L3	L4	L5	B1	B2	H	H1	A1	A2	A3
PHMP10-10	PHMPSS10-10	430.0	212.0	100.0	130.0	121.0	165.0	125.0	204.5	80.0	G1 1/2"	G1 1/4"	ø10
PHMP10-20	PHMPSS10-20	430.0	212.0	100.0	130.0	121.0	165.0	125.0	204.5	80.0	G1 1/2"	G1 1/4"	ø10
PHMP10-30	PHMPSS10-30	460.5	242.5	100.0	130.0	151.5	165.0	125.0	204.5	80.0	G1 1/2"	G1 1/4"	ø10
PHMP10-40	PHMPSS10-40	549.5	261.5	125.0	150.0	182.0	180.0	140.0	217.5	90.0	G1 1/2"	G1 1/4"	ø10
PHMP10-50	PHMPSS10-50	579.5	291.5	125.0	150.0	212.0	180.0	140.0	217.5	90.0	G1 1/2"	G1 1/4"	ø10

Pump Performance Chart

MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	Power		Q	US GPM	0	26.4	30.9	35.1	39.6	44.1	48.3	52.8
		KW	HP		M³/H	0	6.0	7.0	8.0	9.0	10.0	11.0	12.0
					LPM	0	100	117	133	150	167	183	200
PHMP10-10	PHMPSS10-10	0.75	1.0	H (m)	10	9.1	8.7	8.2	7.7	6.8	5.8		
PHMP10-20	PHMPSS10-20				20	17.9	17.1	16.3	15.3	14.0	12.5	10.6	
PHMP10-30	PHMPSS10-30	1.1	1.5		30	27.1	26.3	24.9	23.4	21.4	19.3	16.9	
PHMP10-40	PHMPSS10-40	1.5	2.0		40	38.6	37.6	35.9	33.9	31.2	28.2	24.6	
PHMP10-50	PHMPSS10-50	2.2	3.0		50	47.8	46.4	44.4	42.2	39.5	35.9	31.1	



Pump Performance Curve



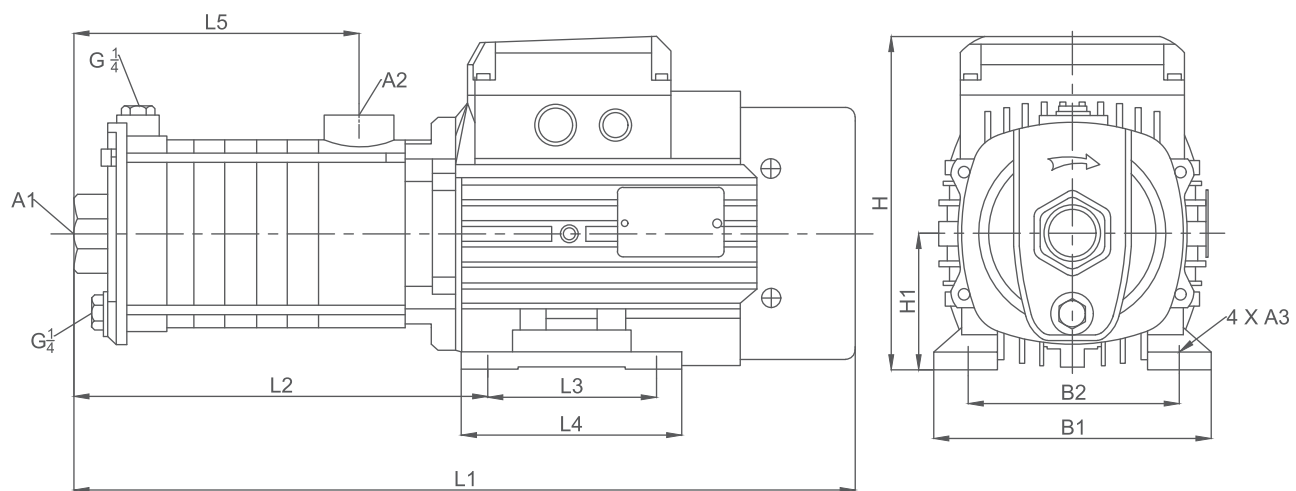
Horizontal Multistage Stainless Steel pump

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Pump Selection Chart

MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	Power		PHASE	INLET/ OUTLET	Max. Flow (LPM)	Max. Head (m)	Max. Suction (m)	GW (Kg)
		KW	HP						
PHMP15-10	PHMPSS15-10	1.1	1.5	1 & 3 phase	2" x 2"	350	14	8	22.7
PHMP15-20	PHMPSS15-20	2.2	3.0				28		30.3
PHMP15-30	PHMPSS15-30	3.0	4.0	3 phase			42		32.2
PHMP15-40	PHMPSS15-40	4.0	5.5				55		39.6

G.A. Drawing



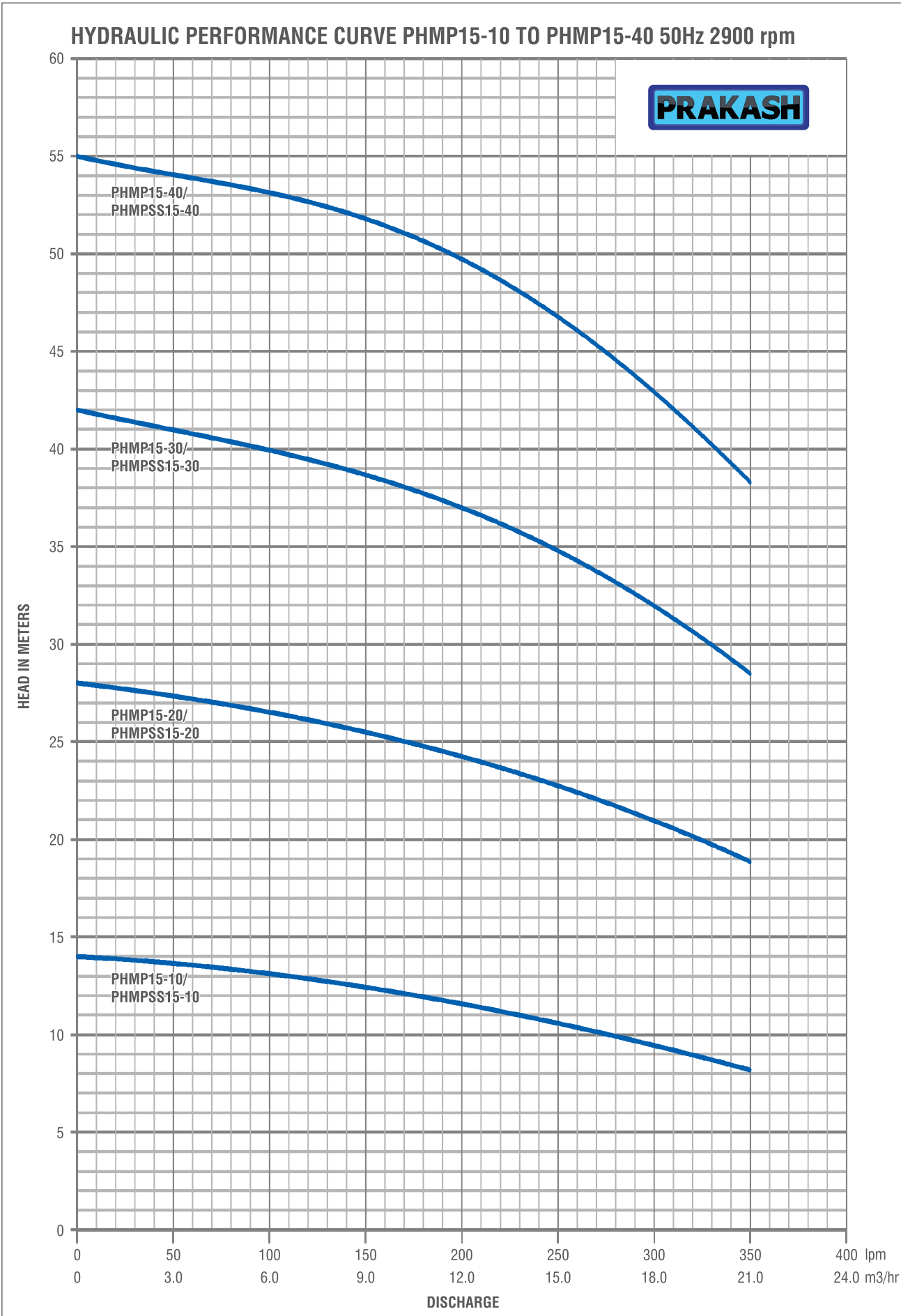
Pump Dimension Chart

MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	L1	L2	L3	L4	L5	B1	B2	H	H1	A1	A2	A3
PHMP15-10	PHMPSS15-10	451.0	233.5	100.0	130.0	139.5	165.0	125.0	204.5	80.0	G2"	G2"	ø10
PHMP15-20	PHMPSS15-20	510.0	222.0	125.0	150.0	139.5	180.0	140.0	217.5	90.0	G2"	G2"	ø10
PHMP15-30	PHMPSS15-30	560.0	272.0	125.0	150.0	184.5	180.0	140.0	247.5	90.0	G2"	G2"	ø10
PHMP15-40	PHMPSS15-40	616.0	336.5	140.0	180.0	230.0	205.0	160.0	224.5	100.0	G2"	G2"	ø12

Pump Performance Chart

MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	Power		Q	US GPM	0	39.6	52.8	66.0	79.3	92.5
		KW	HP		M³/H	0	9.0	12.0	15.0	18.0	21.0
					LPM	0	150	200	250	300	350
PHMP15-10	PHMPSS15-10	1.1	1.5	H (m)	14	12.4	11.6	10.6	9.4	8.2	
PHMP15-20	PHMPSS15-20	2.2	3.0		28	25.6	24.1	22.7	21.1	18.8	
PHMP15-30	PHMPSS15-30	3.0	4.0		42	38.7	36.9	34.9	31.9	28.5	
PHMP15-40	PHMPSS15-40	4.0	5.5		55	51.8	49.7	46.8	42.9	38.3	

Pump Performance Curve



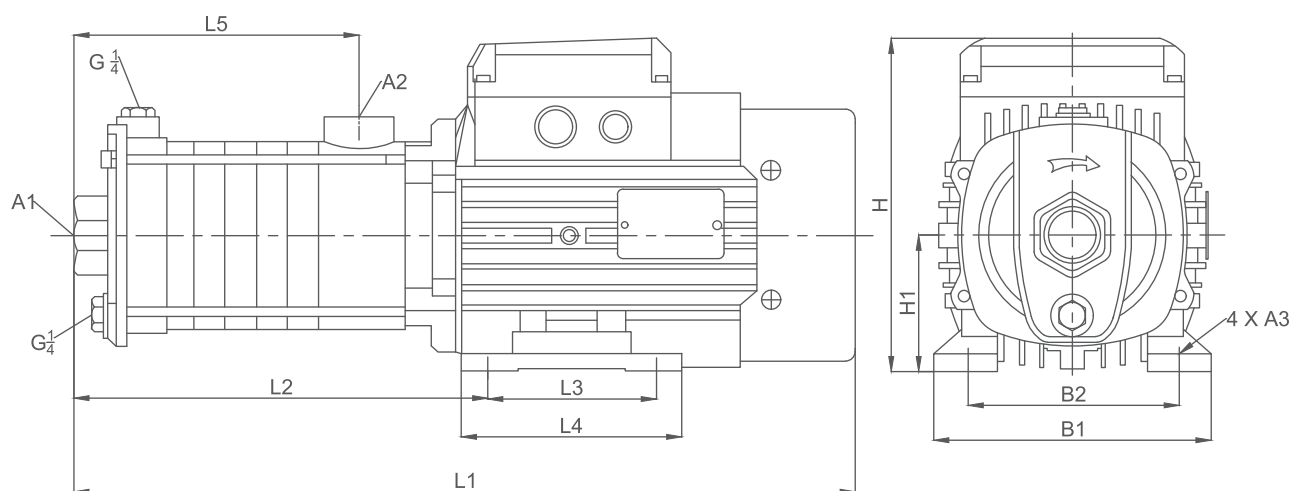
Horizontal Multistage Stainless Steel pump

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Pump Selection Chart

MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	Power		PHASE	INLET/ OUTLET	Max. Flow (LPM)	Max. Head (m)	Max. Suction (m)	GW (Kg)
		KW	HP						
PHMP20-10	PHMPSS20-10	1.1	1.5	1 & 3 phase	2" x 2"	467	13	8	22.7
PHMP20-20	PHMPSS20-20	2.2	3.0				28		30.3
PHMP20-30	PHMPSS20-30	4.0	5.5	3 phase			42		38.9
PHMP20-40	PHMPSS20-40						56		39.4

G.A. Drawing



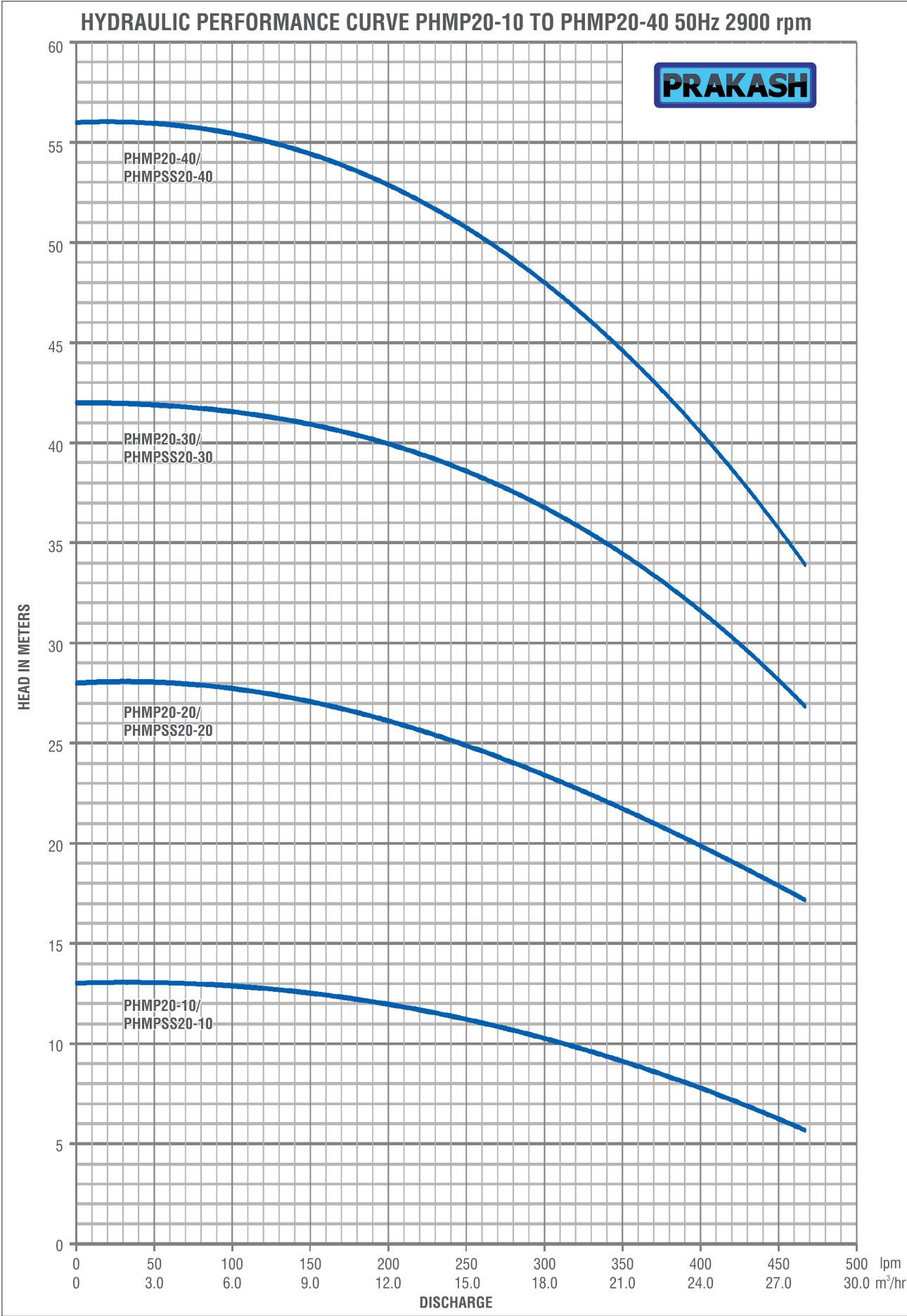
Pump Dimension

MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	L1	L2	L3	L4	L5	B1	B2	H	H1	A1	A2	A3
PHMP20-10	PHMPSS20-10	451.0	233.5	100.0	130.0	139.5	165.0	125.0	204.5	80.0	G2"	G2"	ø10
PHMP20-20	PHMPSS20-20	510.0	222.0	125.0	150.0	139.5	180.0	140.0	217.5	90.0	G2"	G2"	ø10
PHMP20-30	PHMPSS20-30	570.5	291.0	140.0	180.0	184.5	205.0	160.0	224.5	100.0	G2"	G2"	ø12
PHMP20-40	PHMPSS20-40	616.0	336.5	140.0	180.0	230.0	205.0	160.0	224.5	100.0	G2"	G2"	ø12

Pump Performance Chart

MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	Power		Q	US GPM	0	52.8	70.5	88.0	105.7	123.4
		KW	HP		M³/H	0	12.0	16.0	20.0	24.0	28.0
					LPM	0	200	267	333	400	467
PHMP20-10	PHMPSS20-10	1.1	1.5	H (m)	13	12.1	10.8	9.5	7.8	5.7	
PHMP20-20	PHMPSS20-20	2.2	3.0		28	26.1	24.4	22.4	19.8	17.2	
PHMP20-30	PHMPSS20-30	4.0	5.5		42	39.9	38.0	35.5	31.4	26.9	
PHMP20-40	PHMPSS20-40				56	52.7	50.1	45.9	40.3	34	

Pump Performance Curve



Horizontal Multistage Stainless Steel pump

PRAKASH

Applications

The PRAKASH PHMP Pump is a horizontal multistage pump which can be used for house water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering, fish farming and poultry raising, industrial and mining, water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system etc.

Application Limits

- Liquid temperature maximum: +85°C
- Altitude: 1000m
- Suction maximum: 8 m (self-Priming)
- Operation pressure maximum: 10 Bar
- Liquid PH Value: 6-8

Performance Range

- Flow: up to 120 LPM
- Head: up to 72 Meters

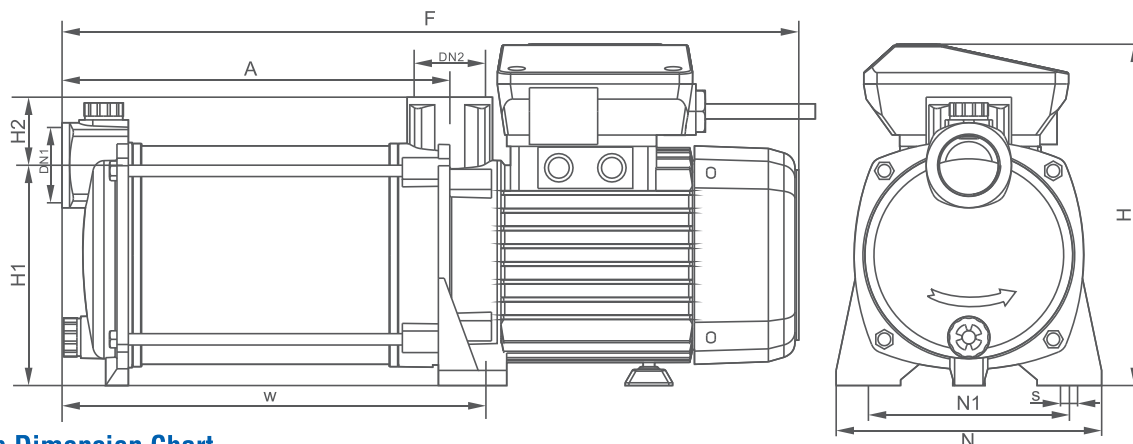
Motor Details

- Induction motor 2 pole, IE2
- Power: 0.75kw to 1.5kw
- Voltage: 220-240V, 50Hz
- Rated speed: 2900 RPM
- Protection class: IPX4
- Insulation class: F
- Ambient temperature max.: +40°C
- Duty: S1
- Pump body: CI & SS
- Thermal protection: in-built
- Low sound

Pump Selection Chart

MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	Power		PHASE	INLET/ OUTLET	Max. Flow (LPM)	Max. Head (m)	Max. Suction (m)
		KW	HP					
PHMP60-2	PHMPSS60-2	0.37	0.5	1 phase	1" x 1"	60	20	8
PHMP60-3	PHMPSS60-3	0.6	0.8				30	
PHMP60-4	PHMPSS60-4	0.75	1.0				40	
PHMP60-5	PHMPSS60-5	0.85	1.15				50	
PHMP60-6	PHMPSS60-6	1.0	1.3				60	

G.A. Drawing



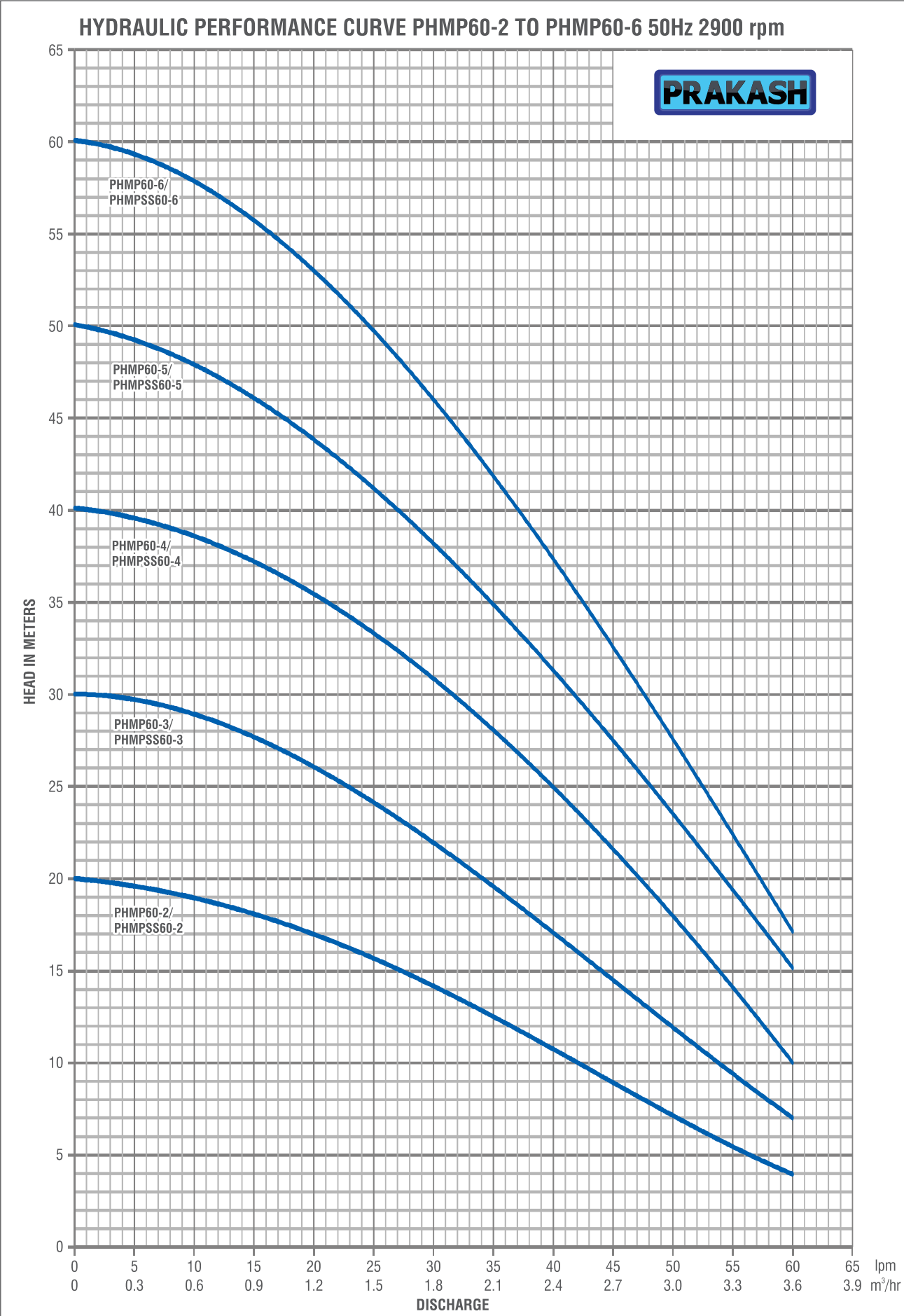
Pump Dimension Chart

MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	A	F	H	H1	H2	N	N1	W	S
PHMP60-2	PHMPSS60-2	146.0	337.0	180.0	121.0	31.5	150.0	120.0	164.0	10.0
PHMP60-3	PHMPSS60-3	170.5	362.0	180.0	121.0	31.5	150.0	120.0	188.5	10.0
PHMP60-4	PHMPSS60-4	194.5	409.0	196.0	126.0	36.5	150.0	120.0	214.5	10.0
PHMP60-5	PHMPSS60-5	219.0	433.0	196.0	126.0	36.5	150.0	120.0	239.0	10.0
PHMP60-6	PHMPSS60-6	243.5	458.0	196.0	126.0	36.5	150.0	120.0	263.5	10.0

Pump Performance Chart

MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	Power		Q	US GPM	0	2.6	5.3	7.9	10.6	13.2	15.9
		KW	HP		M³/H	0	0.6	1.2	1.8	2.4	3.0	3.6
					LPM	0	10	20	30	40	50	60
PHMP60-2	PHMPSS60-2	0.37	0.5	H (m)	20	19	17	14	11	7	4	
PHMP60-3	PHMPSS60-3	0.6	0.8		30	29	26	22	17	12	7	
PHMP60-4	PHMPSS60-4	0.75	1.0		40	39	35	31	25	18	10	
PHMP60-5	PHMPSS60-5	0.85	1.15		50	48	44	38	31	24	15	
PHMP60-6	PHMPSS60-6	1.0	1.3		60	58	53	46	37	28	17	

Pump Performance Curve



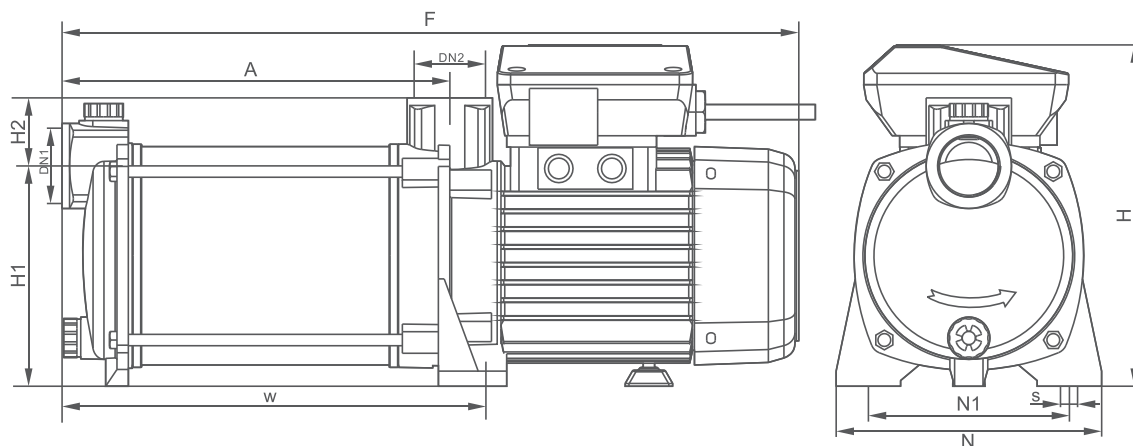
Horizontal Multistage Stainless Steel pump

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Pump Selection Chart

MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	Power		PHASE	INLET/ OUTLET	Max. Flow (LPM)	Max. Head (m)	Net Weight (Kg)	Max. Suction (m)
		KW	HP						
PHMP90-2	PHMPSS90-2	0.37	0.5	1 Phase	1" x 1"	90	22	12.9	8
PHMP90-3	PHMPSS90-3	0.75	1.0				32		
PHMP90-4	PHMPSS90-4	1.1	1.5				43		
PHMP90-5	PHMPSS90-5	1.1	1.5				53		
PHMP90-6	PHMPSS90-6	1.5	2.0				64		

G.A. Drawing



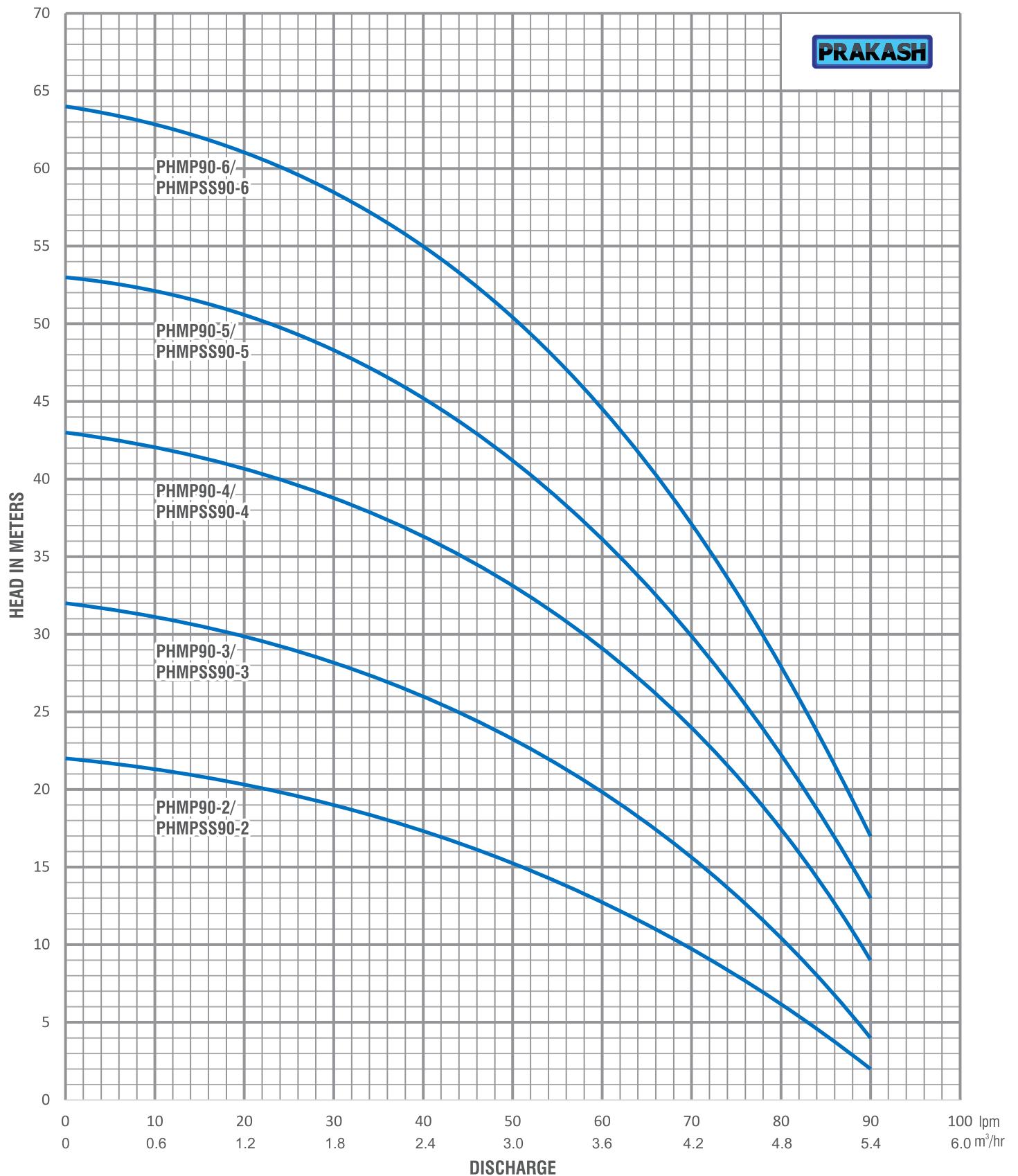
Pump Dimension Chart

MODEL	MODEL (STAINLESS STEEL)	Dn1	Dn2	A	F	H	H1	H2	N	N1	W	S
PHMP90-2	PHMPSS90-2	1"	1"	146	334.5	192	122	32.5	150	120	164	10
PHMP90-3	PHMPSS90-3	1"	1"	170	383	204	126	36.5	150	120	190	10
PHMP90-4	PHMPSS90-4	1"	1"	194.5	407.5	204	126	36.5	150	120	214.5	10
PHMP90-5	PHMPSS90-5	1"	1"	219	432	204	126	36.5	150	120	239	10
PHMP90-6	PHMPSS90-6	1"	1"	243.5	476.5	204	126	36.5	150	120	263.5	10

Pump Performance Chart

MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	Power		Q	US GPM	0	2.6	5.3	7.9	10.6	13.2	15.9	18.4	21.1	23.7
		KW	HP		M³/H	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4
					LPM	0	10	20	30	40	50	60	70	80	90
PHMP90-2	PHMPSS90-2	0.37	0.5	H (m)	22	21	20	19	17	15	13	10	6	2	
PHMP90-3	PHMPSS90-3	0.75	1.0		32	31	30	28	26	23	20	16	11	4	
PHMP90-4	PHMPSS90-4	1.1	1.5		43	42	41	39	36	33	29	24	17	9	
PHMP90-5	PHMPSS90-5	1.1	1.5		53	52	51	49	45	41	36	30	23	13	
PHMP90-6	PHMPSS90-6	1.5	2.0		64	62	61	58	55	50	45	37	28	17	

HYDRAULIC PERFORMANCE CURVE PHMP90-2 TO PHMP90-6 50Hz 2900 RPM



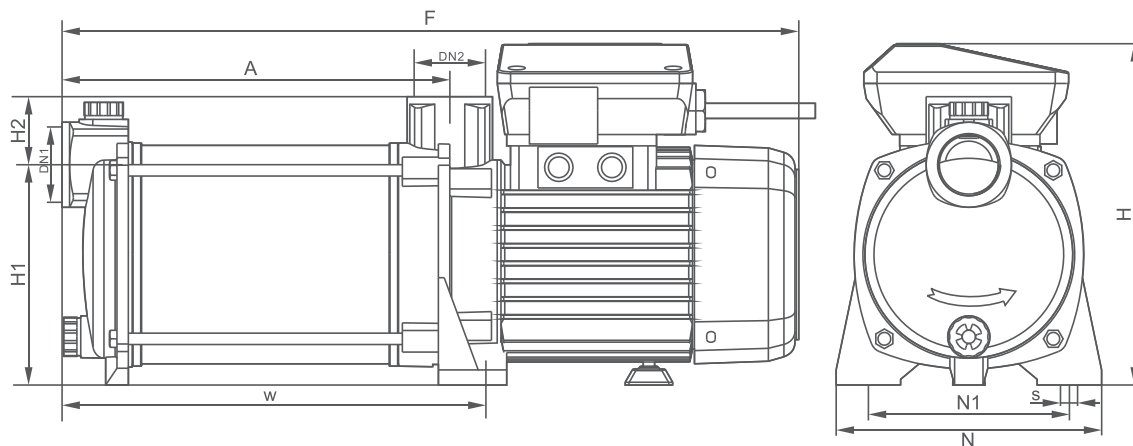
Horizontal Multistage Stainless Steel pump

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Pump Selection Chart

MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	Power		PHASE	INLET/ OUTLET	Max. Flow (LPM)	Max. Head (m)	Net Weight (Kg)	Max. Suction (m)
		KW	HP						
PHMP120-2	PHMPSS120-2	0.55	0.75	1 Phase	1.25" x 1"	120	23		8
PHMP120-3	PHMPSS120-3	0.75	1.0				34		
PHMP120-4	PHMPSS120-4	1.0	1.3				45		
PHMP120-5	PHMPSS120-5	1.1	1.5				57		
PHMP120-6	PHMPSS120-6	1.5	2.0				72	18.1	

G.A. Drawing



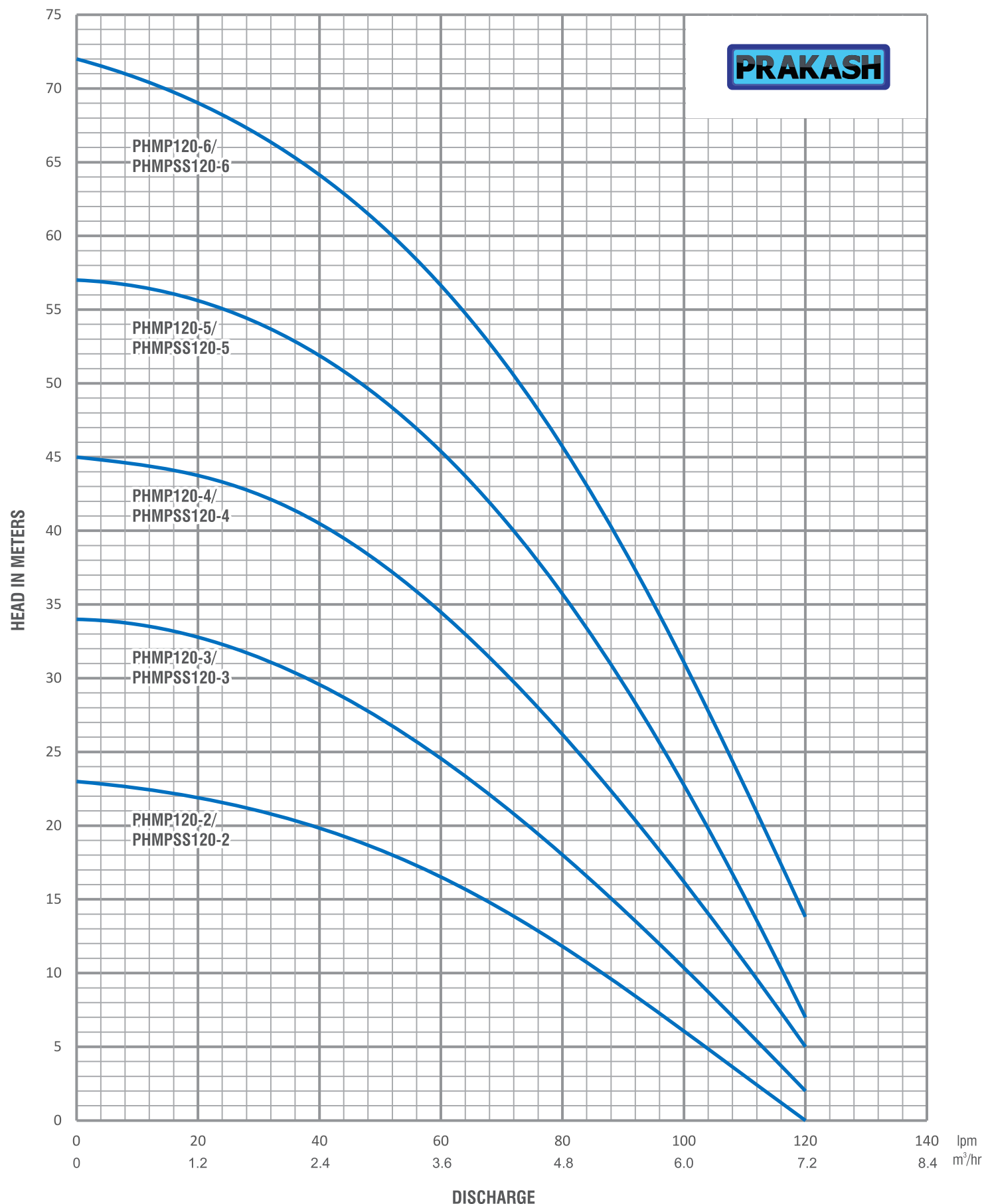
Pump Dimension Chart

MODEL	MODEL (STAINLESS STEEL)	Dn1	Dn2	A	F	H	H1	H2	N	N1	W	S
PHMP120-2	PHMPSS120-2	1.25"	1"	145.5	358.5	204	126	36.5	150	120	165.5	10
PHMP120-3	PHMPSS120-3	1.25"	1"	170	383	204	126	36.5	150	120	190	10
PHMP120-4	PHMPSS120-4	1.25"	1"	194.5	407.5	204	126	36.5	150	120	214.5	10
PHMP120-5	PHMPSS120-5	1.25"	1"	219	462	204	126	36.5	150	120	239	10
PHMP120-6	PHMPSS120-6	1.25"	1"	246.5	484.5	204	142	41.5	169	120	278.5	12

Pump Performance Chart

MODEL (CAST IRON)	MODEL (STAINLESS STEEL)	Power		Q	US GPM	0	5.3	10.6	15.9	21.1	26.4	31.6
		KW	HP		M³/H	0	1.2	2.4	3.6	4.8	6.0	7.2
					LPM	0	20	40	60	80	100	120
					H (m)							
PHMP120-2	PHMPSS120-2	0.55	0.75	H (m)	23	22	19	17	12	6	0	
PHMP120-3	PHMPSS120-3	0.75	1.0		34	32	30	25	18	10	2	
PHMP120-4	PHMPSS120-4	1.0	1.3		45	43	41	34	26	16	5	
PHMP120-5	PHMPSS120-5	1.1	1.5		57	55	52	45	36	22	7	
PHMP120-6	PHMPSS120-6	1.5	2.0		72	69	63	56	46	32	14	

HYDRAULIC PERFORMANCE CURVE PHMP120-2 TO PHMP120-6 50Hz 2900 RPM



PRAKASH

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