

**PRAKASH**

Quality, Reliability, Life

# Centrifugal Monoblock Pump



SOUTH ASIA



AN ISO 9001:2008 CERTIFIED COMPANY



CB-037-945

[www.prakashpump.com](http://www.prakashpump.com)

## Applications

- Agricultural, Industries
- Irrigation of Fields/Farms
- Hot & cold-water circulation
- Housing Complexes
- Fire Fighting System
- Community water supply

## Performance Range

- Flow: up to 228 m<sup>3</sup>/h
- Head: up to 50m
- Speed: 1450 & 2900 RPM
- Power: 3Kw -22Kw

## Application limits

- Suction Up to 8m
- Liquid Temperature between 0°C to 105°C
- Ambient Temperature Up to 40°C
- Max. Working Pressure 10 Bar

## Motor Details

- 2 & 4 pole Induction Motor
- Insulation class – F
- Protection: IP44 & IP54
- Duty: S1
- Supply : 380-420V, 50Hz

## Installation and use

These pumps are ideal for pumping clean water and other chemically and mechanically non-aggressive liquids and thanks to it Special design which allows back pull out of the motor and the rotary parts of the pump can be easily and conveniently used for a wide variety of applications in civil, agricultural, industrial or general plant uses. Water supply, spray or flowing irrigation, autoclave feed, high pressure system heating, conditioning and any other service requiring transfer of clean liquids.

## Pump Selection Chart

Model	Power		Phase	Inlet x Outlet	Speed (RPM)	Max. Flow (m <sup>3</sup> /h)	Max. Head (m)	
	KW	HP						
PCM-4AA-4	3	4	Three Phase	4" x 4"	1450	130	9	
PCM-5.5	4	5.5		2.5" x 2.5"		40	32	
PCM-5.5A	4	5.5		3" x 3"	2900	66	16	
PCM-5.5AA	4	5.5		4" x 4"		130	16	
PCM-7.5	5.5	7.5		2.5" x 2.5"		50	28	
PCM-7.5A	5.5	7.5		3" x 3"		80	25	
PCM-10	7.5	10		3" x 3"		90	32	
PCM-10AA	7.5	10		4" x 4"		145	22	
PCM-15	11	15		3" x 3"		90	44	
PCM-15A	11	15		4" x 3"		180	27	
PCM-15AAA-4	11	15		6" x 6"		1450	228	12
PCM-20	15	20		3" x 3"			160	32
PCM-20A	15	20		4" x 3"	2900	180	30	
PCM-25	18.5	25		3" x 3"		141	44	
PCM-25A	18.5	25		4" X 3"		198	36	
PCM-30	22	30		3" x 3"		120	50	
PCM-30A	22	30		4" x 3"		198	39	

## Performance Chart

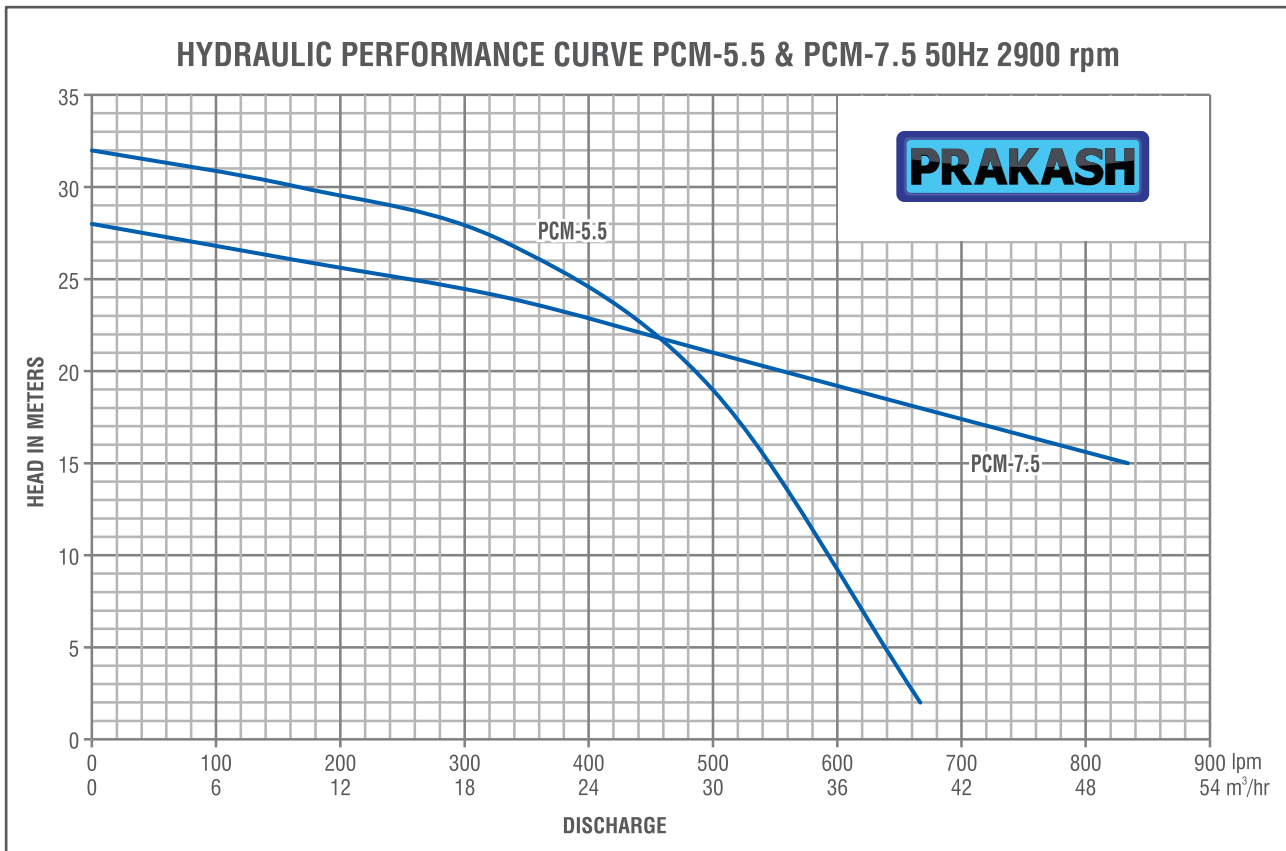
Model	Power		Q	US GPM	0	44	88	132	176	220	264	286	308	352	374	396	
	KW	HP		M <sup>3</sup> /H	0	10	20	30	40	50	60	65	70	80	85	90	
				LPM	0	167	333	500	667	834	1000	1084	1167	1334	1417	1500	
PCM-5.5	4	5.5	Head (meters)	32	30	27	19	2									
PCM-7.5	5.5	7.5		28	26	24	20	18	15								
PCM-10	7.5	10		32	31.5	31	30	29	27	24	22	20	15	10	2		
PCM-15	11	15		44	43	41.5	40	38	35	32	29.5	26	17	11	3		
PCM-5.5A	4	5.5		16	15.5	14.5	13	12	10	4	2						
PCM-7.5A	5.5	7.5		25	24.5	24	23	22	19	15	13	12	2				

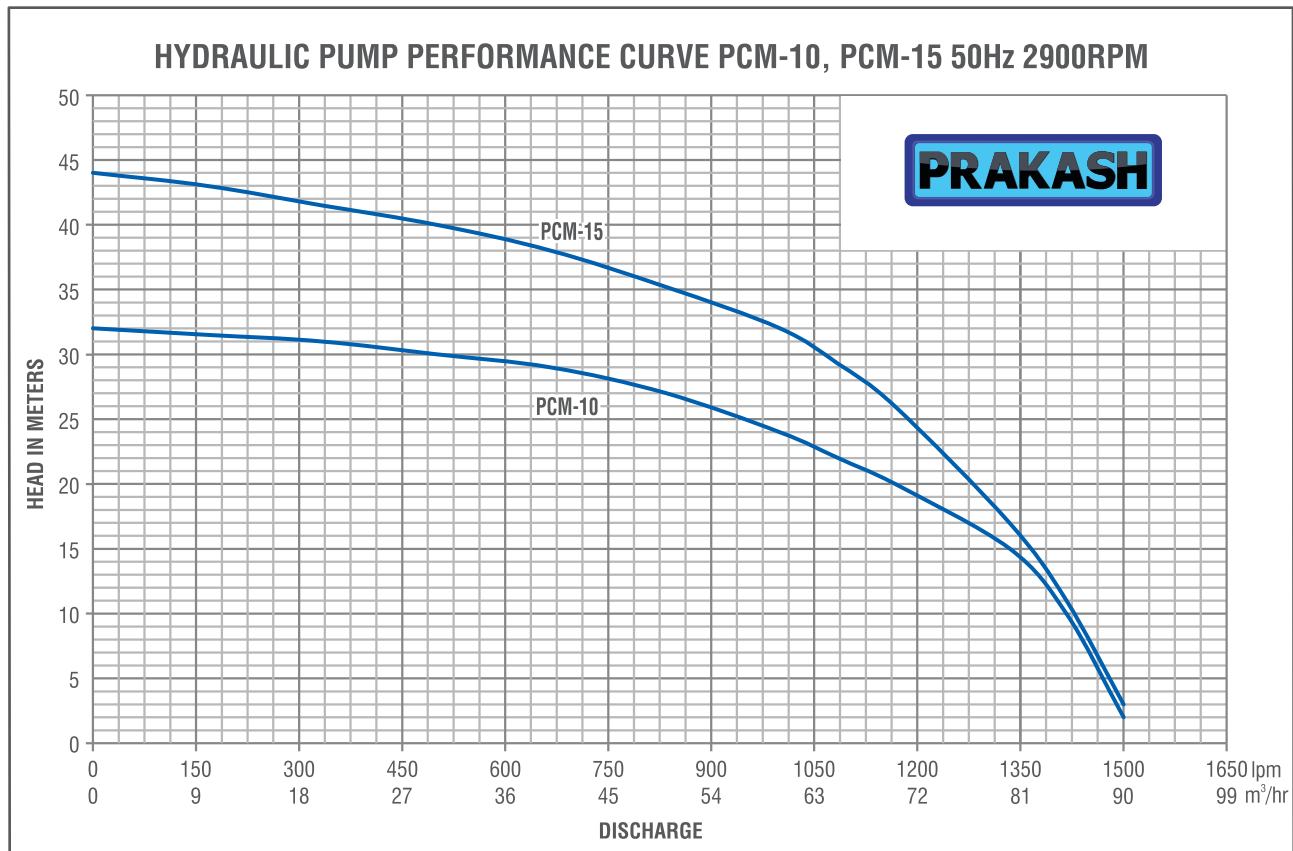
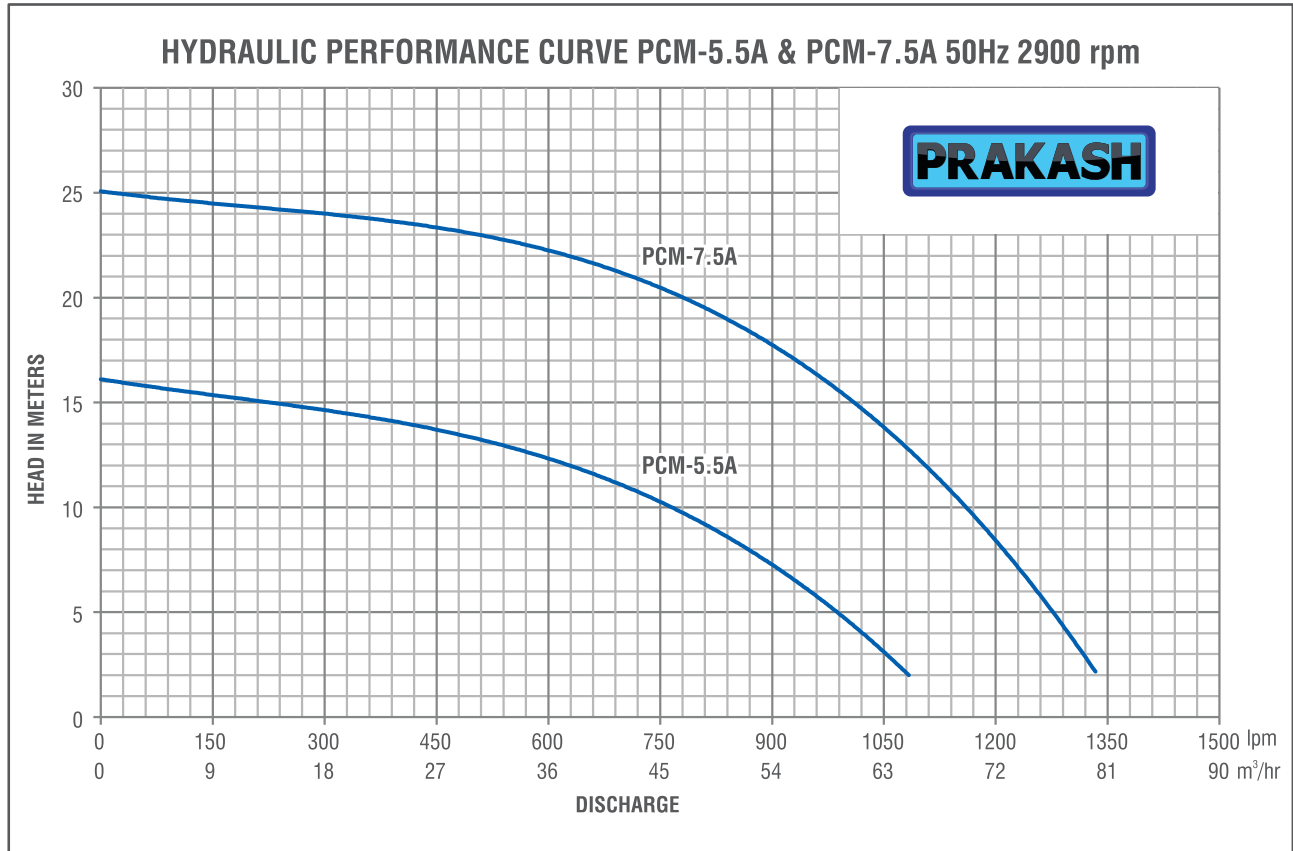


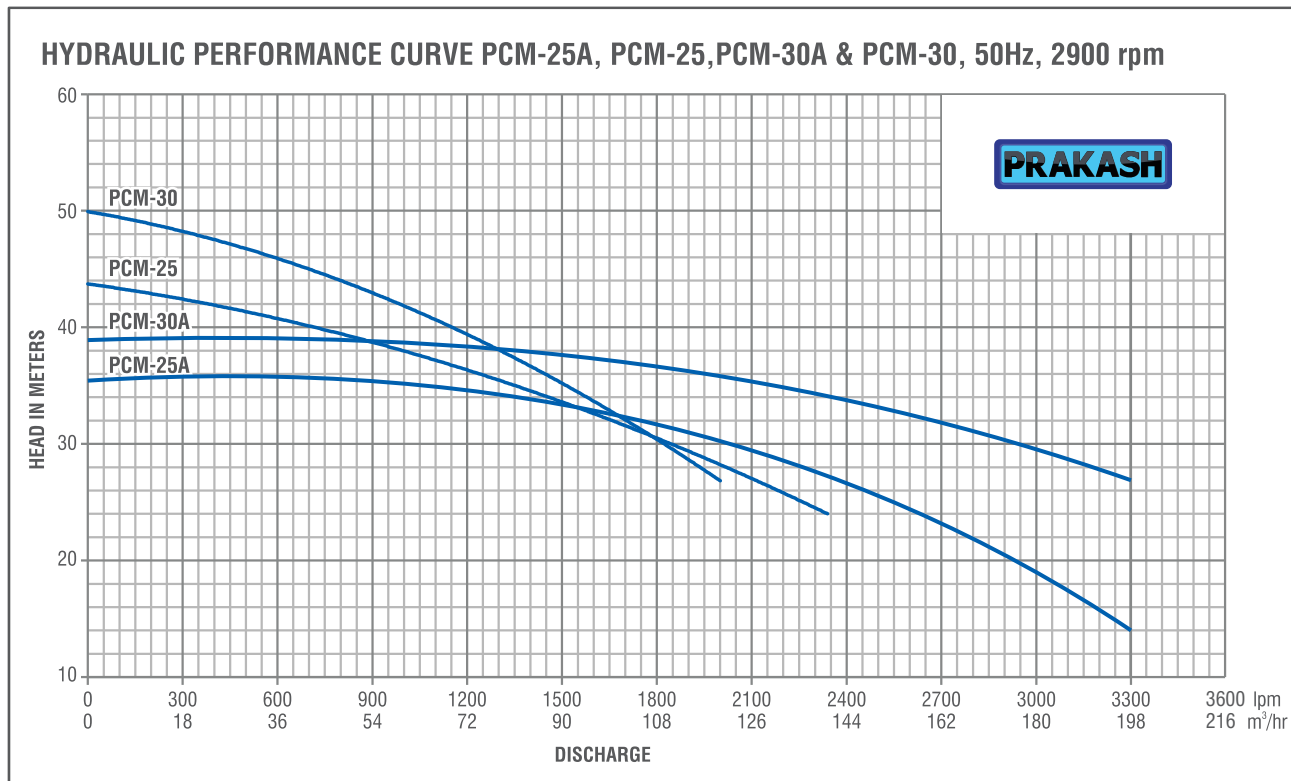
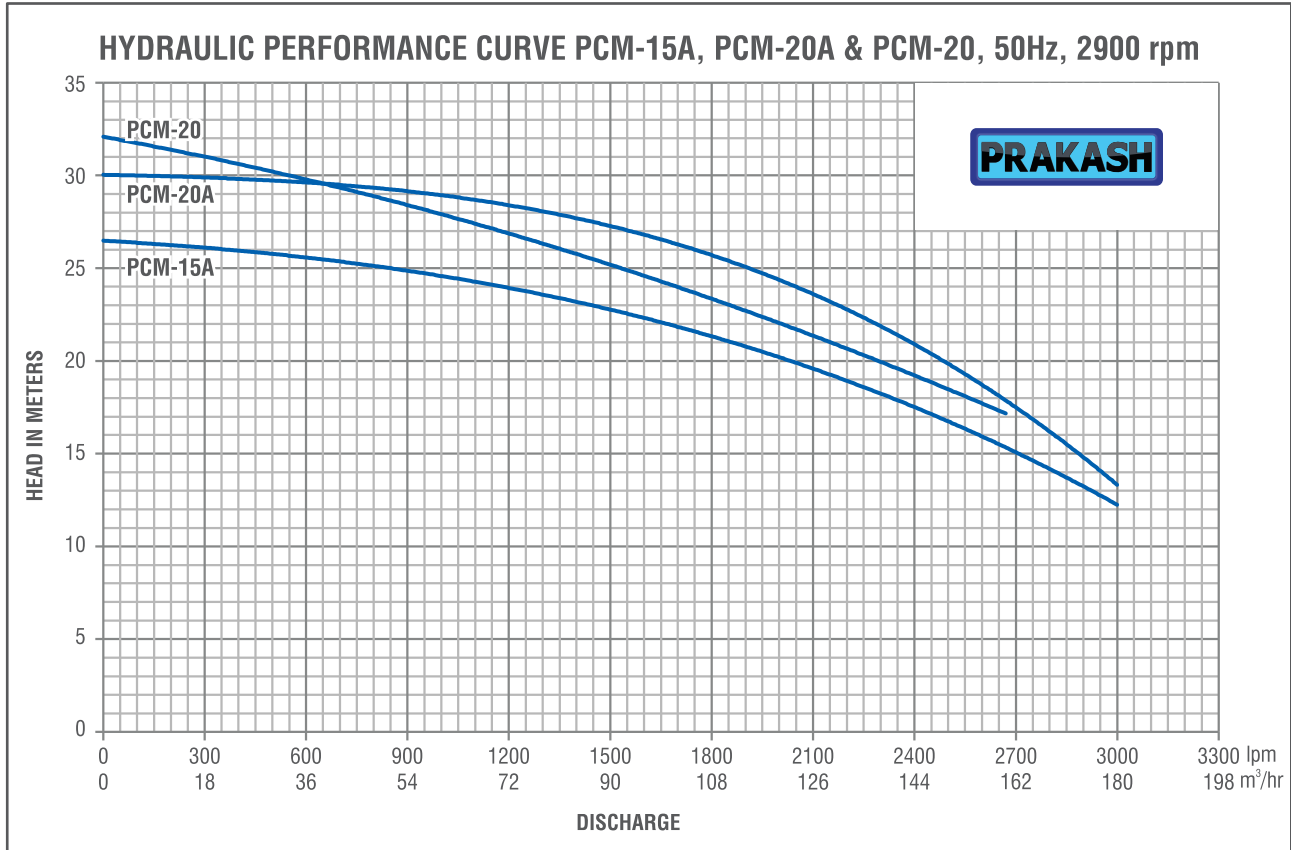
## Performance Chart

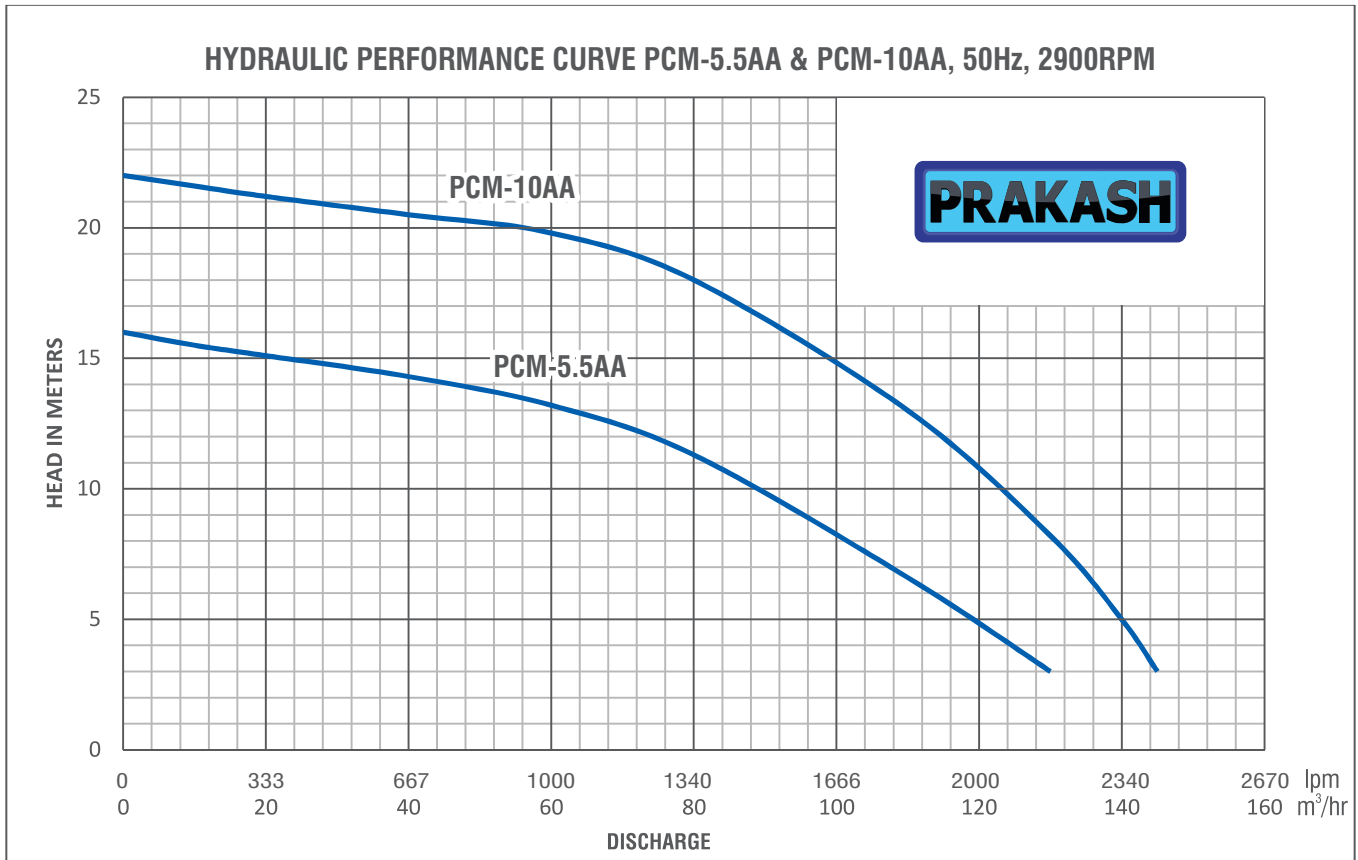
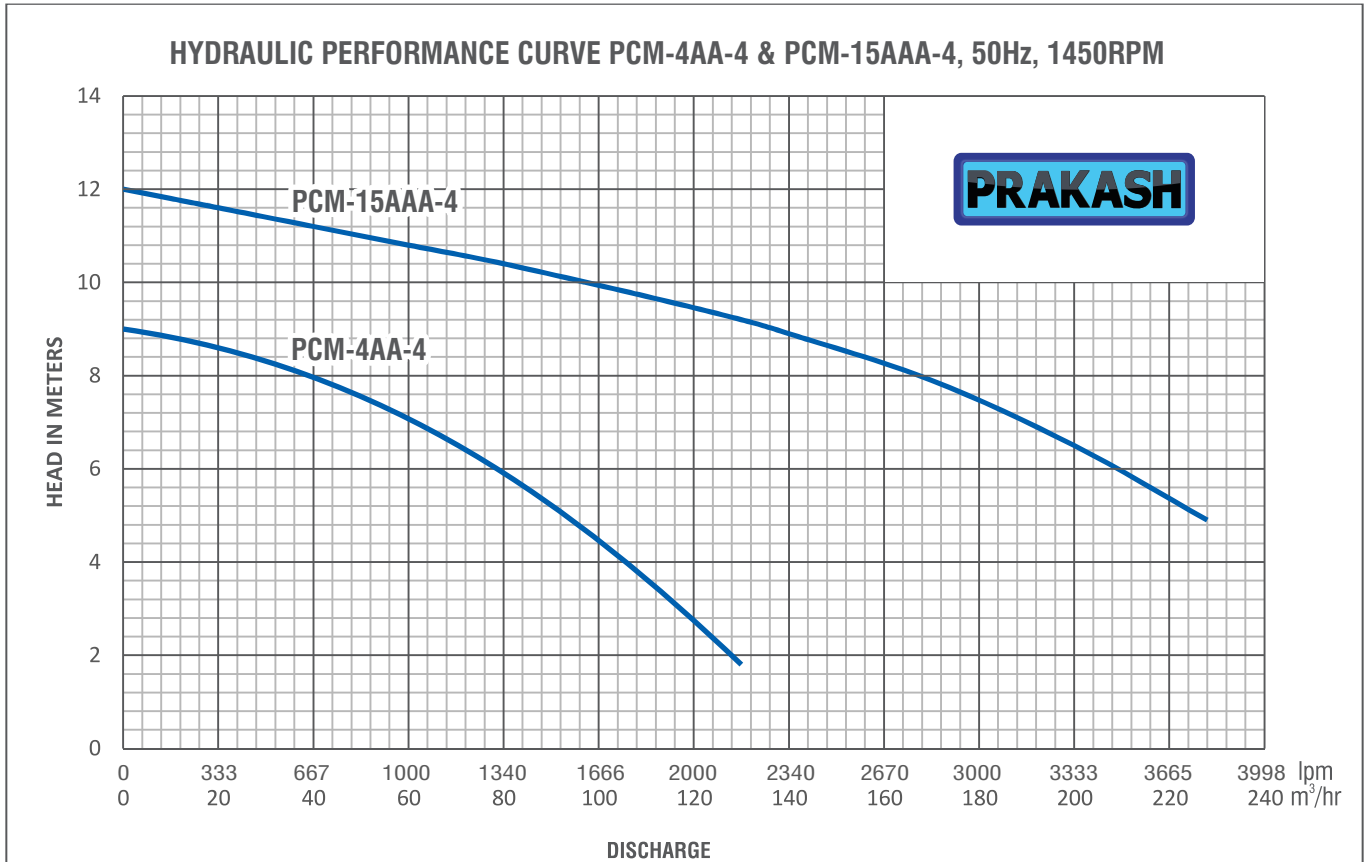
Model	Power		Q	US GPM	0	44	88	176	264	352	484	616	748	880	1004
	KW	HP		M <sup>3</sup> /H	0	10	20	40	60	80	110	140	170	200	228
				LPM	0	167	333	667	1000	1334	1883	2333	2833	3333	3800
PCM-4AA-4	3	4	Head (meters)	9	8.8	8.5	8	7	5.8	3.5					
PCM-5.5AA	4	5.5		16	15.5	15	14.3	13.2	11.3	6.6					
PCM-10AA	7.5	10		22	21.5	21	20.5	20	18	13	5				
PCM-15AAA-4	11	15		12	11.8	11.6	11.2	10.8	10.5	9.7	9	8	6.5	5	

Model	Power		Q	US GPM	0	88	176	264	354	441	528	618	705	793	872
	KW	HP		M <sup>3</sup> /H	0	20	40	60	80	100	120	140	160	180	198
				LPM	0	333	667	1000	1340	1670	2000	2340	2670	3000	3300
PCM-15A	11	15	Head (meters)	27	26	26	25	24	22	20	18	16	12		
PCM-20A	15	20		30	30	30	29	28	26	24	22	19	13		
PCM-20	15	20		32	31	30	28	26	24	22	20	17			
PCM-25A	18.5	25		36	35	35	35	34	33	30	27	24	18	12	
PCM-25	18.5	25		44	42	40	38	36	32	28	24	20			
PCM-30A	22	30		39	39	39	39	38	38	36	34	32	29	27	
PCM-30	22	30		50	48	45	42	38	32	27					









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