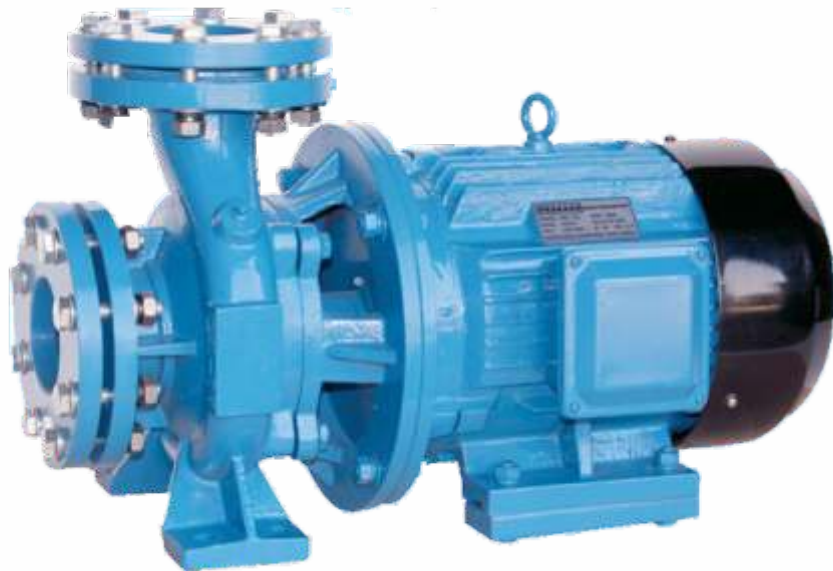


# PRAKASH

Quality, Reliability, Life

## Centrifugal Monoblock Pump For Agriculture



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# Centrifugal Monoblock Pump For Agriculture

## Applications

- Agricultural
- Irrigation of Fields/Farms
- Industries
- Housing complexes
- Fire fighting system
- Community water supply

## Performance Range

- Flow : up to 160 m<sup>3</sup>/h
- Head: up to 79m
- Speed 2900 rpm
- Power 2.2Kw - 37Kw

## Application limits

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

## Motor Details

- 2 Pole induction Motor
- Insulation Class-F
- Protection Ip44
- continuous Duty-S1

## 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

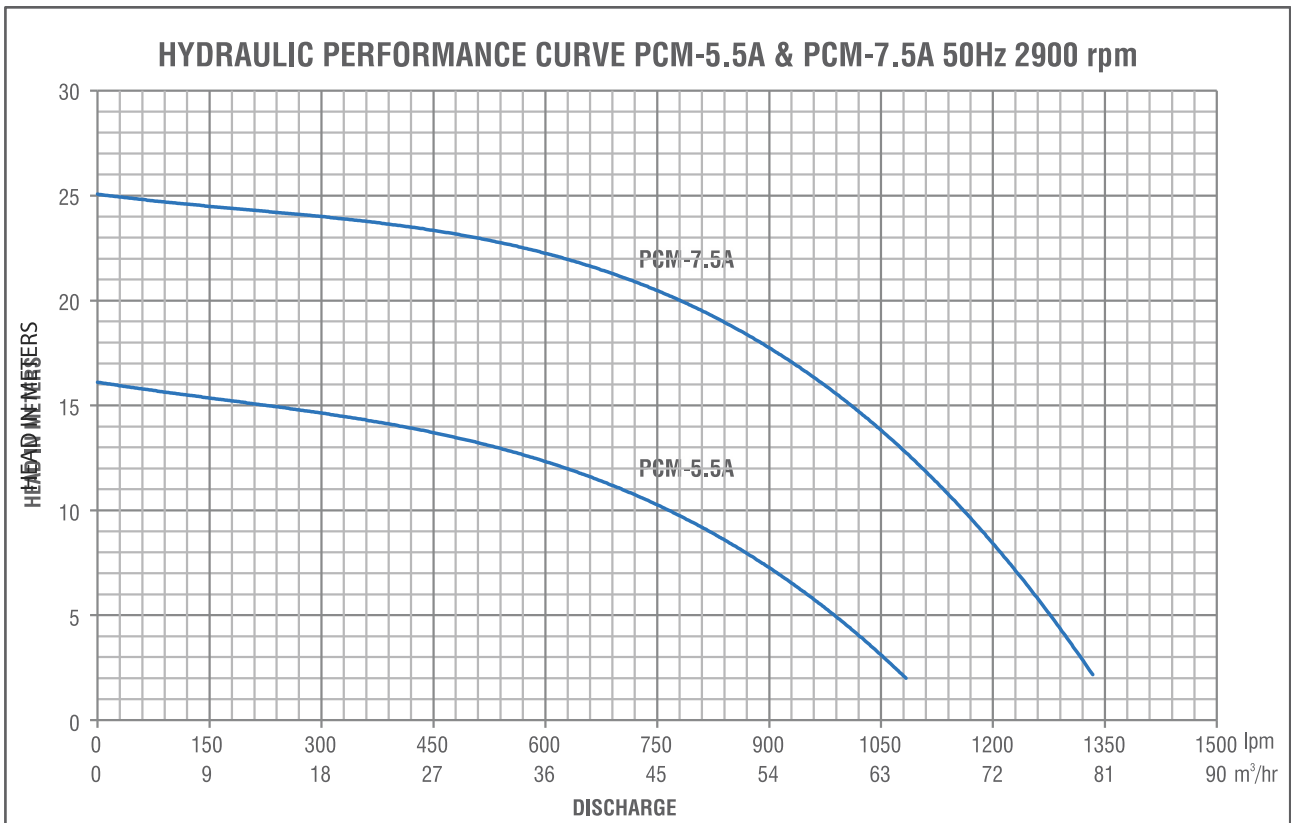
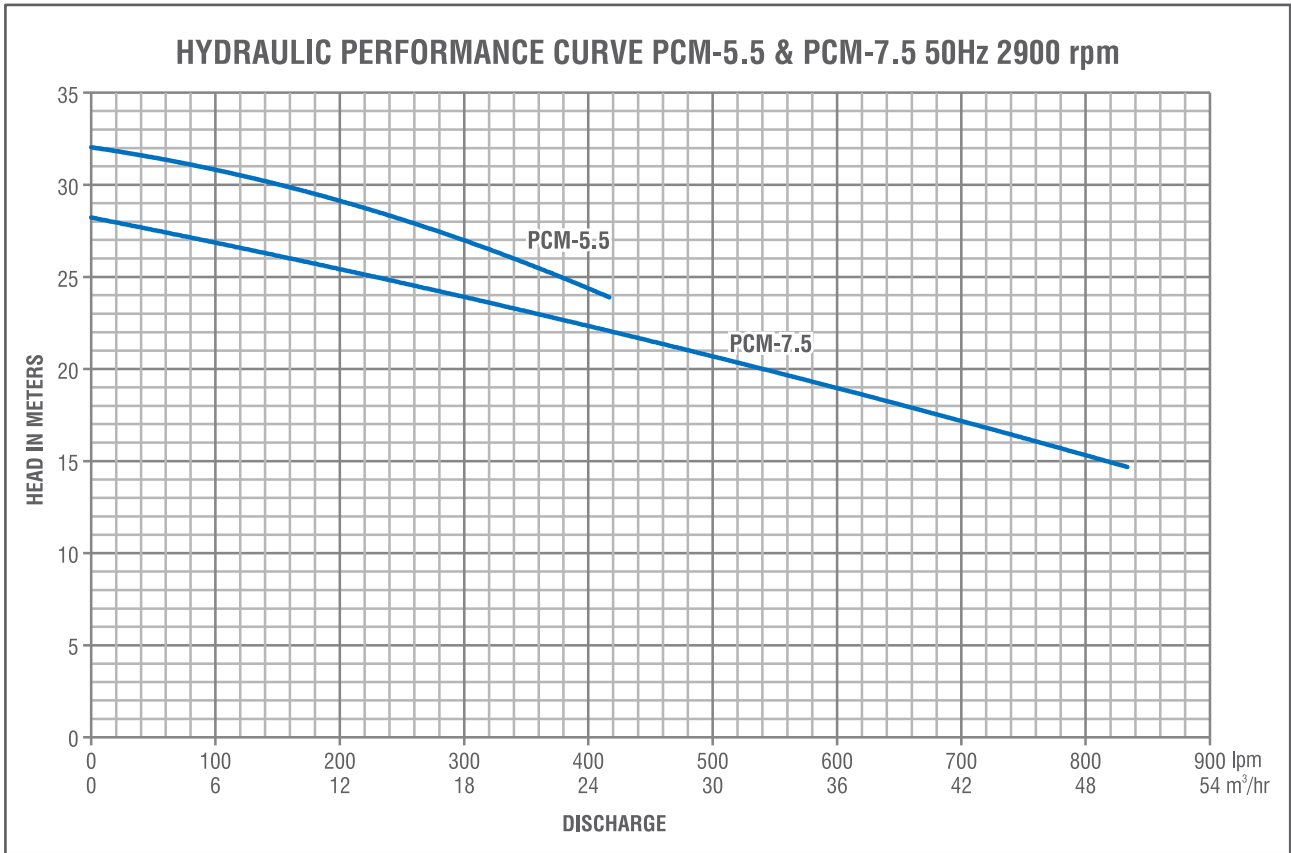
Model	Power		Phase	Inlet Outlet	Max. Flow (M <sup>3</sup> /h)	Max. Head (m)
	KW	HP				
PCM-5.5	4	5.5	Three Phase	2.5" x 2.5"	25	32
PCM5.5A	4	5.5		3" x 3"	66	16
PCM-7.5	5.5	7.5		2.5" x 2.5"	50	28
PCM7.5A	5.5	7.5		3" x 3"	80	25
PCM-10	7.5	10		3" x 3"	50	32
PCM-15	11	15		3" x 3"	47	44
PCM-15A	11	15		3" x 3"	180	26.5
PCM-20	15	20		3" x 3"	160	32
PCM-20A	15	20		4" x 3"	180	30
PCM-25	18.5	25		3" x 3"	141	44
PCM-25A	18.5	25		4" x 3"	180	36
PCM-30	22	30		3" x 3"	120	50
PCM-30A	22	30		4" x 3"	180	39
PCM-40	30	40		4" x 4"	140	45
PCM-50	37	50		4" x 4"	100	80

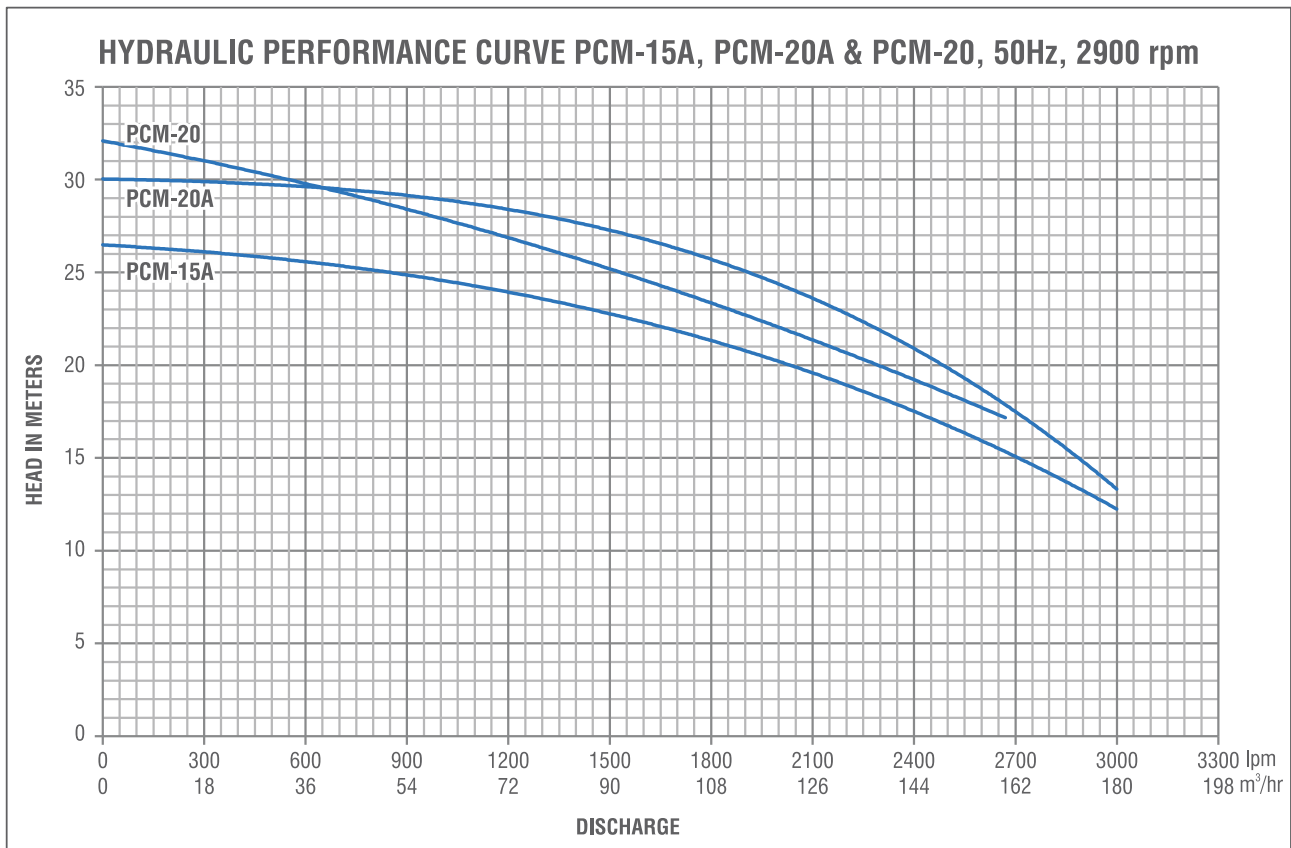
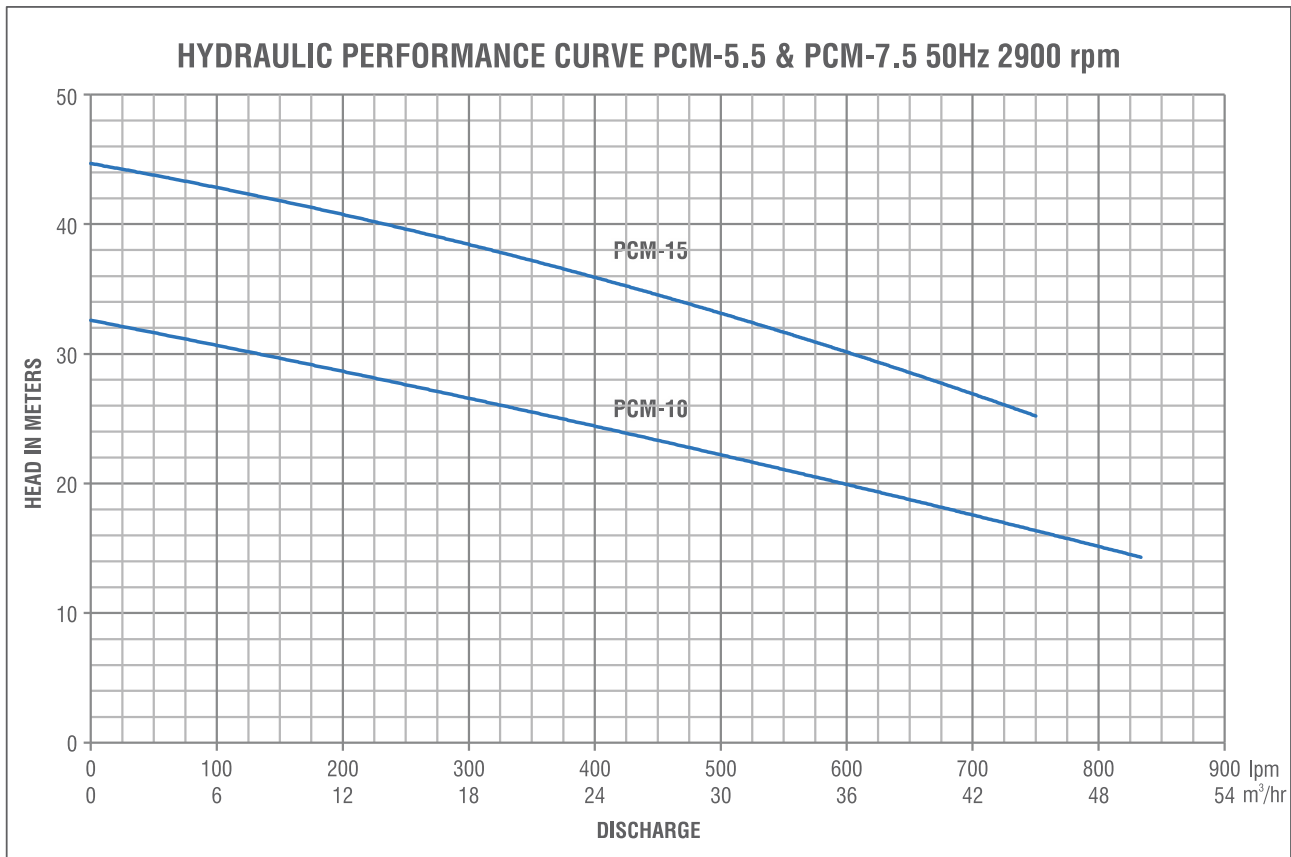
## Hydraulic Pump Performance Chart

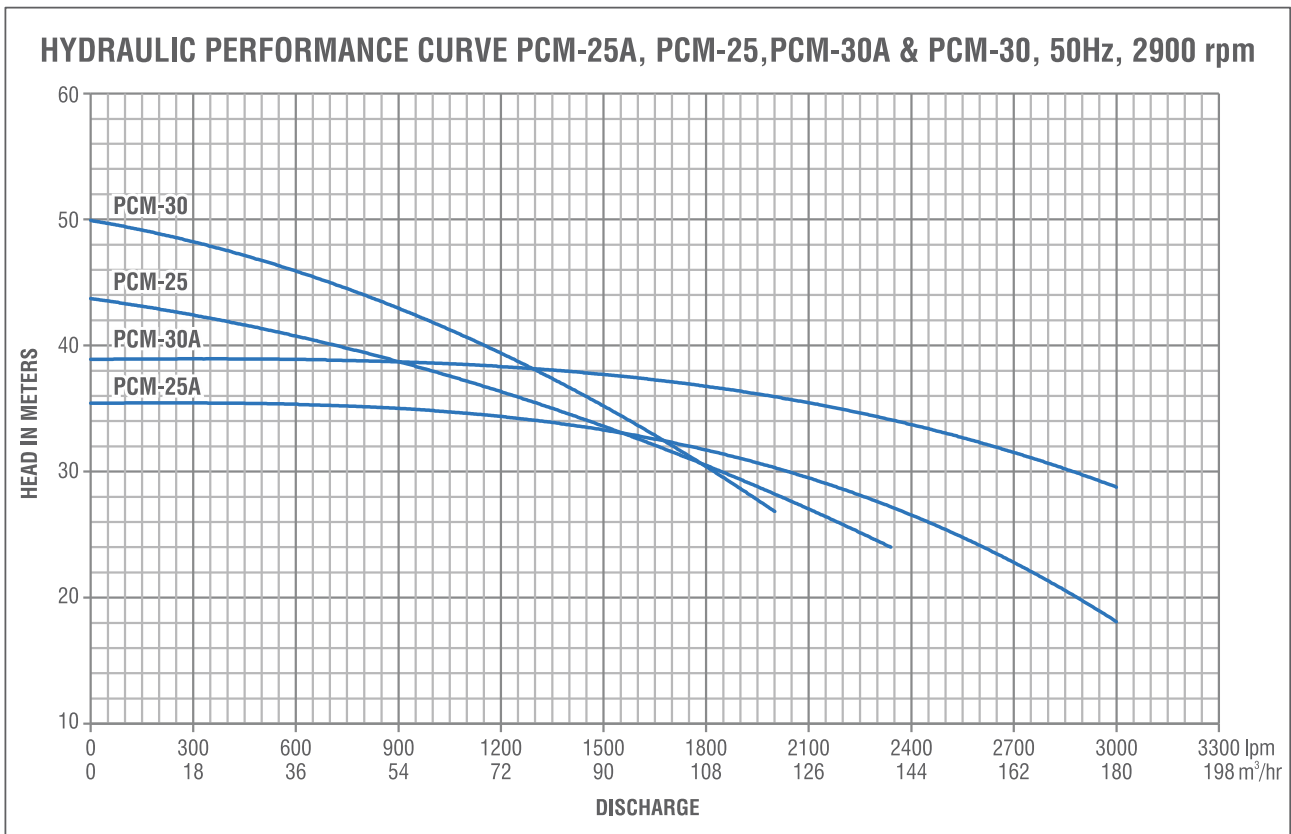
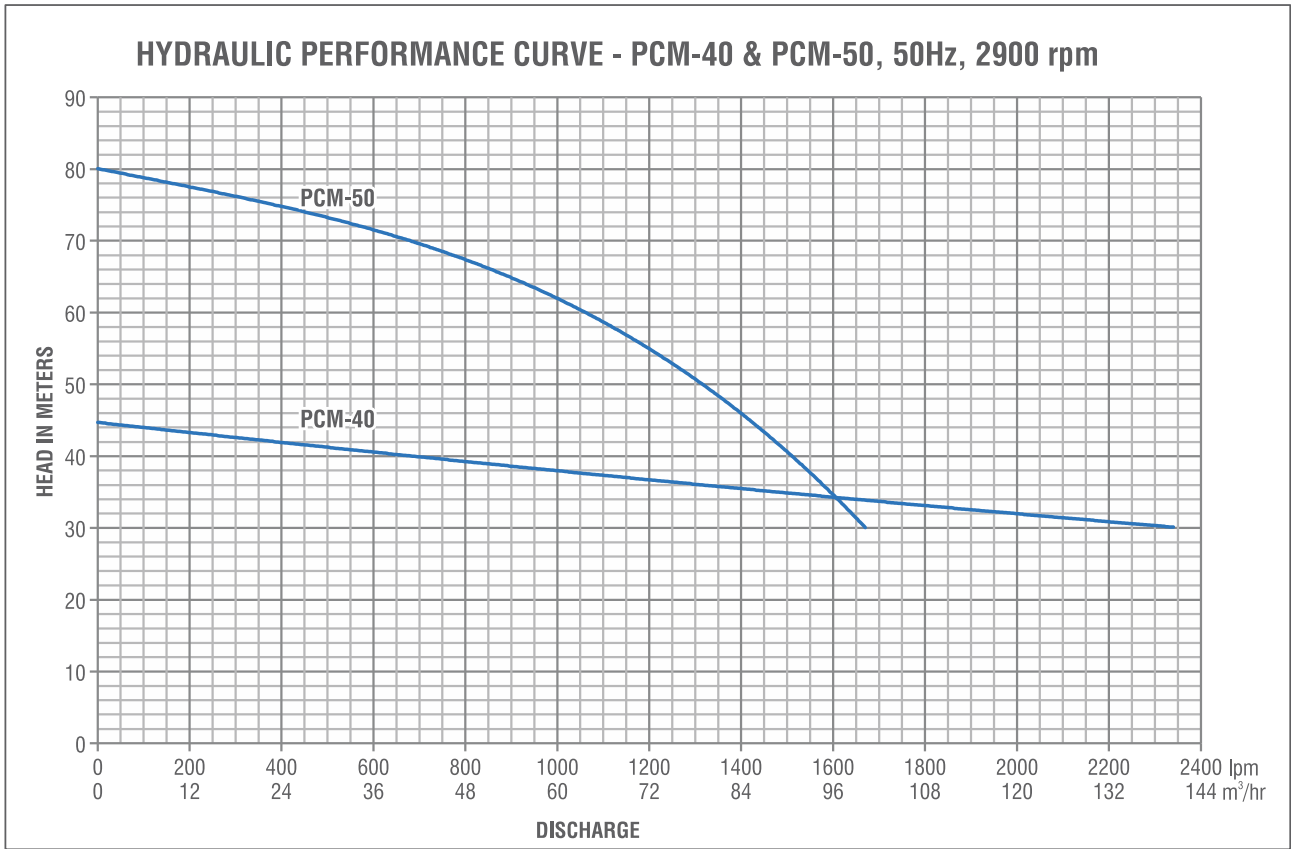
Model	Power		Q	US GPM	0	22	44	66	88	110	132	154	176	193	220
	KW	HP		M <sup>3</sup> /H	0	5	10	15	20	25	30	35	40	45	50
				LPM	0	83	167	250	333	417	500	583	667	750	834
PCM-5.5	4	5.5	H Meters	32	31	30	28	26	24						
PCM-7.5	5.5	7.5		28	27	26	25	24	22	20	19	18	16	15	
PCM-10	7.5	10		32	31	30	28	26	24	22	20	18	16	15	
PCM-15	11	15		44	43	42	41	38	35	32	30	28	26		

Model	Power		Q	US GPM	0	44	88	132	176	220	264	286	308	352	374
	KW	HP		M <sup>3</sup> /H	0	10	20	30	40	50	60	65	70	80	85
				LPM	0	167	333	500	667	834	1000	1084	1167	1334	1417
PCM-5.5A	4	5.5	H Meters	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		

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	H 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				
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					
PCM-40	30	40		45	42	40	38	36	34	32	30				
PCM-50	37	50		80	76	70	62	49	30						









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**PRAKASH PUMP**

Survey No. 479, Opp. Supreme Estate-1,  
Zak Kadadara Road, Vill.- Kadadara,  
Tal.- Dehgam, Gandhinagar,  
Gujarat 382305 INDIA

**Distributor Office for Middle East**

**PRAKASH PUMP EST**

P.O.Box: 20973 Industrial Area  
AL Ain, (United Arab Emirates)  
T: +971 3 7222733  
F: +971 3 7222744  
M: +971 50 6731283  
E-mail: sale@prakashpump.com

**Distributor Office for Oman**

**Global Equipment Material Co. LLC**

P.O. Box. 227, Postal Code:320  
Nakhla Road, Barka(Sultanate of Oman)  
T: +968 26883982  
F: +968 26883982  
M: +968 94584686  
E-mail: oman@prakashpump.com



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