



Quality, Reliability, Life

Centrifugal Monoblock Stainless Steel Pump

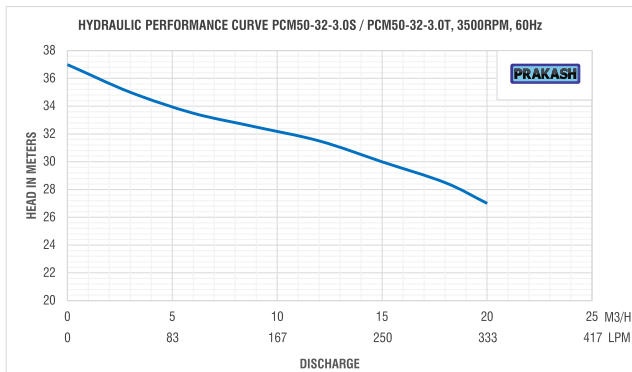


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Centrifugal Monoblock Stainless Steel Pump

PRAKASH

Model : PCM50-32-3.0S / PCM50-32-3.0T



Application

- Pressure boiler feeding
- Pure water treating system
- Refining chemical industries
- Hot & cold water circulation
- Washing & sprinkling
- Water supply system

Application Limits

- Liquid temperature : up to 90 °C
- Ambient temperature : up to 40 °C
- Max. operating pressure : 10 bar
- Liquid PH : 4-10
- Altitude : <1000m

Material of Construction (MOC)

- Pump body : Stainless steel 304
- Back cover : Stainless steel 304
- Impeller : Stainless steel 304
- Shaft : Stainless steel 304
- Mechanical seal : Sic-viton

Motor Details

- 2 Pole induction motor (TEFC)
- 100% Copper winding
- Protection class : IPX4 / IP54
- Insulation class : F
- Voltage : single phase 220-240v, 60Hz
three phase 380-420v, 60Hz

Pump Selection Chart

Model	Power		Volt (60Hz)	Phase	Rated Speed (RPM)	Inlet / Outlet	Max. Flow (m3/h)	Max. Head (Mtr)	Max. Suction (Mtr)
	Kw	HP							
PCM50-32-3.0S / T	2.2	3.0	220/380	1 & 3 Φ	3500	2"x1.25"	20	37	3

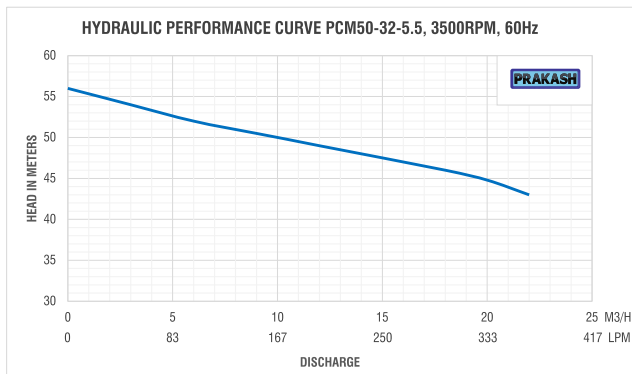
Performance Chart

Model	Power		Q	US GPM	0	13	26	40	53	66	79	88
	Kw	HP		M3/H	0	3	6	9	12	15	18	20
				LPM	0	50	100	150	200	250	300	333
PCM50-32-3.0S / T	2.2	3.0	HEAD (m)		37	35	33.5	32.5	31.5	30	28.5	27

Centrifugal Monoblock Stainless Steel Pump

PRAKASH

Model : PCM50-32-5.5



Application

- Pressure boiler feeding
- Pure water treating system
- Refining chemical industries
- Hot & cold water circulation
- Washing & sprinkling
- Water supply system

Application Limits

- Liquid temperature : up to 90 °C
- Ambient temperature : up to 40 °C
- Max. operating pressure : 10 bar
- Liquid PH : 4-10
- Altitude : <1000m

Material of Construction (MOC)

- Pump body : Stainless steel 304
- Back cover : Stainless steel 304
- Impeller : Stainless steel 304
- Shaft : Stainless steel 304
- Mechanical seal : Sic-viton

Motor Details

- 2 Pole induction motor (TEFC)
- 100% Copper winding
- Protection class : IPX4 / IP54
- Insulation class : F
- Voltage : 380-420v, 60Hz

Pump Selection Chart

Model	Power		Volt (60Hz)	Phase	Rated Speed (RPM)	Inlet / Outlet	Max. Flow (m3/h)	Max. Head (Mtr)	Max. Suction (Mtr)
	Kw	HP							
PCM50-32-5.5	4.0	5.5	380-420	3 ϕ	3500	2"x1.25"	22	56	3

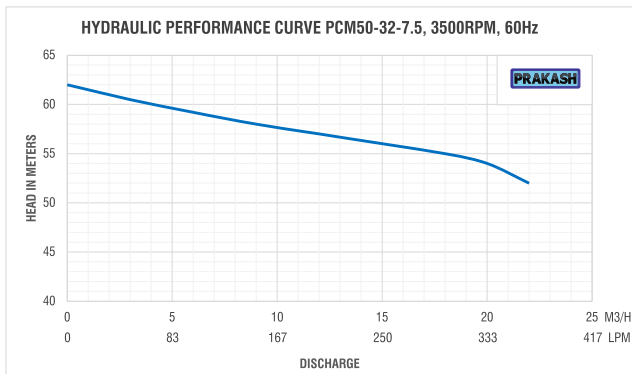
Performance Chart

Model	Power		Q	US GPM	0	13	26	40	53	79	88	97
	Kw	HP		M3/H	0	3	6	9	12	18	20	22
				LPM	0	50	100	150	200	300	333	367
PCM50-32-5.5	4.0	5.5	HEAD (m)		56	54	51	50	49	46	45	43

Centrifugal Monoblock Stainless Steel Pump

PRAKASH

Model : PCM50-32-7.5



Application

- Pressure boiler feeding
- Pure water treating system
- Refining chemical industries
- Hot & cold water circulation
- Washing & sprinkling
- Water supply system

Application Limits

- Liquid temperature : up to 90 °C
- Ambient temperature : up to 40 °C
- Max. operating pressure : 10 bar
- Liquid PH : 4-10
- Altitude : <1000m

Material of Construction (MOC)

- Pump body : Stainless steel 304
- Back cover : Stainless steel 304
- Impeller : Stainless steel 304
- Shaft : Stainless steel 304
- Mechanical seal : Sic-viton

Motor Details

- 2 Pole induction motor (TEFC)
- 100% Copper winding
- Protection class : IPX4 / IP54
- Insulation class : F
- Voltage : 380-420v, 60Hz

Pump Selection Chart

Model	Power		Volt (60Hz)	Phase	Rated Speed (RPM)	Inlet / Outlet	Max. Flow (m3/h)	Max. Head (Mtr)	Max. Suction (Mtr)
	Kw	HP							
PCM50-32-7.5	5.5	7.5	380-420	3 ϕ	3500	2"x1.25"	22	62	3

Performance Chart

Model	Power		Q	US GPM	0	13	26	40	53	79	88	97
	Kw	HP		M3/H	0	3	6	9	12	18	20	22
				LPM	0	50	100	150	200	300	333	367
PCM50-32-7.5	5.5	7.5	HEAD (m)	62	60	59.5	58	57	55	54	52	

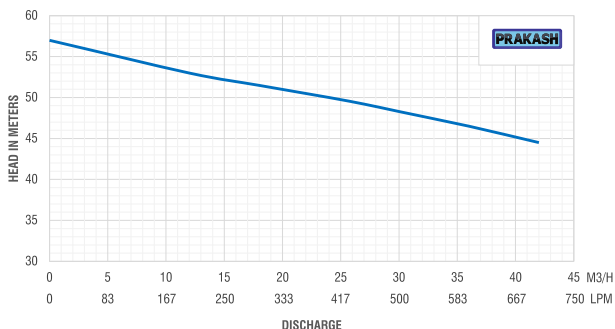
Centrifugal Monoblock Stainless Steel Pump

PRAKASH

Model : PCM65-40-10



HYDRAULIC PERFORMANCE CURVE PCM65-40-10, 3500RPM, 60Hz



Application

- Pressure boiler feeding
- Pure water treating system
- Refining chemical industries
- Hot & cold water circulation
- Washing & sprinkling
- Water supply system

Application Limits

- Liquid temperature : up to 90 °C
- Ambient temperature : up to 40 °C
- Max. operating pressure : 10 bar
- Liquid PH : 4-10
- Altitude : <1000m

Material of Construction (MOC)

- Pump body : Stainless steel 304
- Back cover : Stainless steel 304
- Impeller : Stainless steel 304
- Shaft : Stainless steel 304
- Mechanical seal : Sic-viton

Motor Details

- 2 Pole induction motor (TEFC)
- 100% Copper winding
- Protection class : IPX4 / IP54
- Insulation class : F
- Voltage : 380-420v, 60Hz

Pump Selection Chart

Model	Power		Volt (60Hz)	Phase	Rated Speed (RPM)	Inlet / Outlet	Max. Flow (m3/h)	Max. Head (Mtr)	Max. Suction (Mtr)
	Kw	HP							
PCM65-40-10	7.5	10	380-420	3 ϕ	3500	2.5"x1.5"	42	57	3

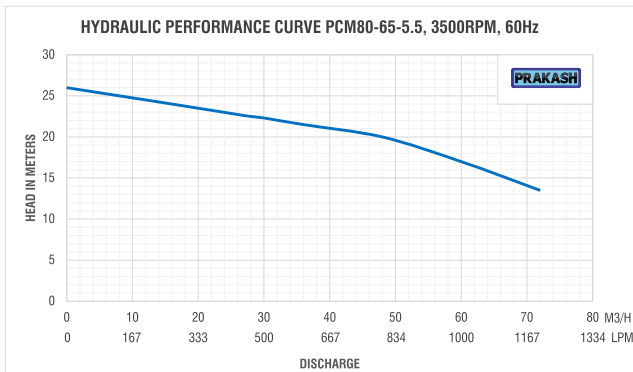
Performance Chart

Model	Power		Q	US GPM	0	53	79	106	119	132	158	185
	Kw	HP		M3/H	0	12	18	24	27	30	36	42
				LPM	0	200	300	400	450	500	600	700
PCM65-40-10	7.5	10	HEAD (m)	57	53	52.5	50	49	48	46.5	44.5	

Centrifugal Monoblock Stainless Steel Pump

PRAKASH

Model : PCM80-65-5.5



Application

- Pressure boiler feeding
- Pure water treating system
- Refining chemical industries
- Hot & cold water circulation
- Washing & sprinkling
- Water supply system

Application Limits

- Liquid temperature : up to 90 °C
- Ambient temperature : up to 40 °C
- Max. operating pressure : 10 bar
- Liquid PH : 4-10
- Altitude : <1000m

Material of Construction (MOC)

- Pump body : Stainless steel 304
- Back cover : Stainless steel 304
- Impeller : Stainless steel 304
- Shaft : Stainless steel 304
- Mechanical seal : Sic-viton

Motor Details

- 2 Pole induction motor (TEFC)
- 100% Copper winding
- Protection class : IPX4 / IP54
- Insulation class : F
- Voltage : 380-420v, 60Hz

Pump Selection Chart

Model	Power		Volt (60Hz)	Phase	Rated Speed (RPM)	Inlet / Outlet	Max. Flow (m3/h)	Max. Head (Mtr)	Max. Suction (Mtr)
	Kw	HP							
PCM80-65-5.5	4.0	5.5	380-420	3 ϕ	3500	3"x2.5"	72	26	3

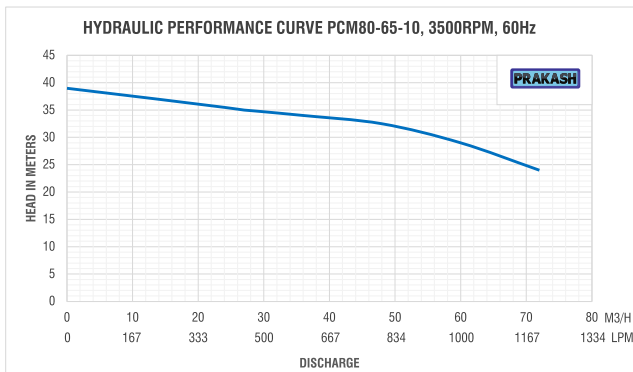
Performance Chart

Model	Power		Q	US GPM	0	106	119	132	158	211	264	317
	Kw	HP		M3/H	0	24	27	30	36	48	60	72
				LPM	0	400	450	500	600	800	1000	1200
PCM80-65-5.5	4.0	5.5	HEAD (m)	26	23	22.5	22	21.5	20	17	13.5	

Centrifugal Monoblock Stainless Steel Pump

PRAKASH

Model : PCM80-65-10



Application

- Pressure boiler feeding
- Pure water treating system
- Refining chemical industries
- Hot & cold water circulation
- Washing & sprinkling
- Water supply system

Application Limits

- Liquid temperature : up to 90 °C
- Ambient temperature : up to 40 °C
- Max. operating pressure : 10 bar
- Liquid PH : 4-10
- Altitude : <1000m

Material of Construction (MOC)

- Pump body : Stainless steel 304
- Back cover : Stainless steel 304
- Impeller : Stainless steel 304
- Shaft : Stainless steel 304
- Mechanical seal : Sic-viton

Motor Details

- 2 Pole induction motor (TEFC)
- 100% Copper winding
- Protection class : IPX4 / IP54
- Insulation class : F
- Voltage : 380-420v, 60Hz

Pump Selection Chart

Model	Power		Volt (60Hz)	Phase	Rated Speed (RPM)	Inlet / Outlet	Max. Flow (m3/h)	Max. Head (Mtr)	Max. Suction (Mtr)
	Kw	HP							
PCM80-65-10	7.5	10	380-420	3 ϕ	3500	3"x2.5"	72	39	3

Performance Chart

Model	Power		Q	US GPM	0	106	119	132	158	211	264	317
	Kw	HP		M3/H	0	24	27	30	36	48	60	72
				LPM	0	400	450	500	600	800	1000	1200
PCM80-65-10	7.5	10	HEAD (m)	39	36	35	34.5	34	32.5	29	24	

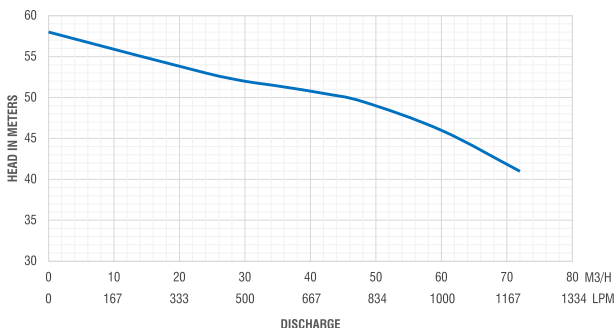
Centrifugal Monoblock Stainless Steel Pump

PRAKASH

Model : PCM80-50-15



HYDRAULIC PERFORMANCE CURVE PCM80-50-15, 3500RPM, 60Hz



Application

- Pressure boiler feeding
- Pure water treating system
- Refining chemical industries
- Hot & cold water circulation
- Washing & sprinkling
- Water supply system

Application Limits

- Liquid temperature : up to 90 °C
- Ambient temperature : up to 40 °C
- Max. operating pressure : 10 bar
- Liquid PH : 4-10
- Altitude : <1000m

Material of Construction (MOC)

- Pump body : Stainless steel 304
- Back cover : Stainless steel 304
- Impeller : Stainless steel 304
- Shaft : Stainless steel 304
- Mechanical seal : Sic-viton

Motor Details

- 2 Pole induction motor (TEFC)
- 100% Copper winding
- Protection class : IPX4 / IP54
- Insulation class : F
- Voltage : 380-420v, 60Hz

Pump Selection Chart

Model	Power		Volt (60Hz)	Phase	Rated Speed (RPM)	Inlet / Outlet	Max. Flow (m3/h)	Max. Head (Mtr)	Max. Suction (Mtr)
	Kw	HP							
PCM80-50-15	11	15	380-420	3 ϕ	3500	3"x2"	72	58	3

Performance Chart

Model	Power		Q	US GPM	0	106	132	158	185	211	264	317
	Kw	HP		M3/H	0	24	30	36	42	48	60	72
				LPM	0	400	500	600	700	800	1000	1200
PCM80-50-15	11	15	HEAD (m)	58	53	52	51	50.5	50	46	41	

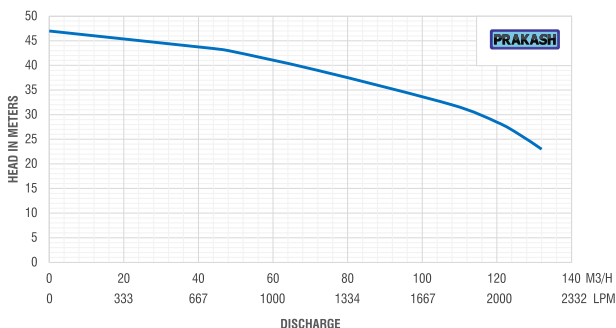
Centrifugal Monoblock Stainless Steel Pump

PRAKASH

Model : PCM100-65-20



HYDRAULIC PERFORMANCE CURVE PCM100-65-20, 3500RPM, 60Hz



Application

- Pressure boiler feeding
- Pure water treating system
- Refining chemical industries
- Hot & cold water circulation
- Washing & sprinkling
- Water supply system

Application Limits

- Liquid temperature : up to 90 °C
- Ambient temperature : up to 40 °C
- Max. operating pressure : 10 bar
- Liquid PH : 4-10
- Altitude : <1000m

Material of Construction (MOC)

- Pump body : Stainless steel 304
- Back cover : Stainless steel 304
- Impeller : Stainless steel 304
- Shaft : Stainless steel 304
- Mechanical seal : Sic-viton

Motor Details

- 2 Pole induction motor (TEFC)
- 100% Copper winding
- Protection class : IPX4 / IP54
- Insulation class : F
- Voltage : 380-420v, 60Hz

Pump Selection Chart

Model	Power		Volt (60Hz)	Phase	Rated Speed (RPM)	Inlet / Outlet	Max. Flow (m3/h)	Max. Head (Mtr)	Max. Suction (Mtr)
	Kw	HP							
PCM100-65-20	15	20	380-420	3 ϕ	3500	4"x2.5"	132	47	4

Performance Chart

Model	Power		Q	US GPM	0	185	211	317	475	528	554	581
	Kw	HP		M3/H	0	42	48	72	108	120	126	132
				LPM	0	700	800	1200	1800	2000	2100	2200
PCM100-65-20	15	20	HEAD (m)	47	44	43	39	32	28	26	23	

PRAKASH

Office in India

PRAKASH PUMP

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