

# CHE TAN

## PRODUCT CATALOGUE

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### 125 mm (5") BOREWELL SUBMERSIBLE PUMPSETS



\*Selected Models Only

## About Us

Chetan Pumps is a distinguished manufacturer of superior quality and high-efficiency pumps.

### Since 1975,

we are committed to exceeding society's expectations by meeting their dynamic needs & augmenting their lives.

Our world-class manufacturing units **sprawl over 12,000 sq.m. of land at 3 distinct locations** marking an annual production of

### 50,000+ pumps

With an in-house Cast Iron Foundry, exemplary Machining Shops & modern Testing Facilities employing the latest technologies, and R&D Infrastructure, Chetan Pumps is setting a benchmark in the pump industry.



## Company Policy

Delivering high-efficiency pumping solutions to meet the dynamic needs of customers worldwide.

Strongly integrated manufacturing and testing facilities, producing cutting-edge pumps.

Surpassing customer expectations by supplying products on time, in the right quantity, and at the most competitive rates.

## Highlights

- 1 Approved by BIS and BEE
- 2 Rajasthan's 1<sup>st</sup> 5 star rated pump manufacturing company
- 3 ISO 9001:2015 Certified Company
- 4 BSR Approved and Supplying to various Government Organisations
- 5 1500+ variety of pumps including 560+ ISI approved models
- 6 47+ pioneering years in the pump industry

## Vision

**Evolving as the most entrusted brand in the pump industry by 2030.**

Our products emphasize the betterment of communities globally through innovative and sustainable engineering solutions.

By delivering value to every section of society, using our world-class framework, we aim to be the foremost choice of customers.

# 125 mm (5") Borewell Submersible Pumpsets

Chetan Pumps are perfectly crafted from premium quality raw material with top quality standards to ensure more durability. Each pump from us is designed, engineered and tested extensively in real-life conditions for hassle-free operations. Our pumps are equipped with low-friction; low-power consumption and high-efficiency motors that will help you achieve maximum discharge. Our pumps are designed to ensure extended service life with zero to minimal need for maintenance.

## Salient Features

- ✓ Each pump is fabricated from precisely machined components crafted with highly advanced equipment which includes CNC machines that ensure low maintenance & longer life.
- ✓ Crafted to withstand and smoothly operate even severe voltage-fluctuation conditions with ease.
- ✓ Equipped with an ultra-modern and innovative sand fighter design that prevents sand from entering and damaging the pump in sandy regions.
- ✓ Engineered to operate with minimum vibration and noise with dynamically balanced components for longer life.
- ✓ Equipped with high-performance Rotor, crafted from electro grade copper that can operate at low voltage with minimum discharge drop.
- ✓ Specially designed stators with Low-watt Silicon steel lamination equipped with water proof synthetic film insulated copper winding wires for better performance.
- ✓ Equipped with extremely robust and rigorously tested thrust bearings to ensure high axial load
- ✓ T-Bolt design that offers additional rigidity and durability to the motors.
- ✓ Each pump comes equipped with check valve to prevent back flow of water & minimize water hammering risk.

## Applications

- ✓ Agriculture
- ✓ Irrigation
- ✓ Domestic
- ✓ Industries
- ✓ Fire Fighting
- ✓ Pressure Boosting



## Specifications

<b>Power Range</b>	2.2 – 9.3 kW (3 – 12.5 HP)
<b>Head Range</b>	Upto 100 meters
<b>Discharge Range</b>	Upto 560 LPM
<b>Voltage Range</b>	150 – 240 Volts (Single Phase) 330 – 440 Volts (Three Phase)
<b>Direction of Rotation</b>	1 Ph – Anti-clockwise view from top; 3 Ph – Electrically Reversible
<b>Method of Starting</b>	1 Ph – CSCR upto 3.7kW; 3 Ph – D.O.L upto 3.7 kW; S/D upto 9.3 kW
<b>Type of Duty</b>	S1 (Continuous)
<b>Type of Cooling</b>	Water Filled

## Material of construction

<b>Impeller</b>	Stainless Steel / Noryl
<b>Diffuser</b>	Cast Iron
<b>Bowl / Stage Casing</b>	Cast Iron
<b>Check Valve Housing</b>	Cast Iron
<b>Suction Housing</b>	Cast Iron
<b>Pump / Rotor Shaft</b>	Stainless Steel
<b>Motor Housing</b>	Cast Iron
<b>Stator Outer Shell</b>	Stainless Steel
<b>Pump / Motor Bushes</b>	NBR / LTB / Carbon
<b>Thrust Bearing Assembly</b>	Carbon & Stainless Steel

# Performance Chart

## 125 mm (5") BOREWELL SUBMERSIBLE PUMPSETS

2880 RPM, At Rated Voltage – Single Phase 220 Volts,

Three Phase 415 Volts, 50 Hz, A.C. Supply.

Maximum Outer Diameter : 123 mm

Model	Power Rating		Stage	Head In Meters	Discharge In LPM								MIXED FLOW
	kW	HP			180	250	300	350	410	450	480	500	
TM - 550 / 3 / 3	2.2	3	3		24	23	21	20	18	17	15	14	
TM - 550 / 5 / 5	3.7	5	5		40	38	35	33	30	28	25	23	
TM - 550 / 6 / 6	4.5	6	6		48	46	42	40	36	34	30	27	
TM - 550 / 7.5 / 8	5.5	7.5	8		64	61	56	53	48	45	40	37	
TM - 550 / 10 / 10	7.5	10	10		80	76	70	66	60	56	50	46	
TM - 550 / 12.5 / 12	9.3	12.5	12		96	91	84	79	72	67	60	55	

Model	Power Rating		Stage	Head In Meters	Discharge In LPM								MIXED FLOW
	kW	HP			250	320	370	420	460	500	530	560	
TM - 549 / 4 / 3	3	4	3		24	23	21	20	18	17	15	14	
TM - 549 / 5 / 4	3.7	5	4		32	30	28	26	24	22	20	18	
TM - 549 / 6 / 5	4.5	6	5		40	38	35	33	30	28	25	23	
TM - 549 / 7.5 / 6	5.5	7.5	6		48	45	42	39	36	33	30	27	
TM - 549 / 10 / 7	7.5	10	7		56	53	49	46	42	39	35	32	
TM - 549 / 10 / 8	7.5	10	8		64	60	56	52	48	44	40	37	
TM - 549 / 10 / 9	7.5	10	9		72	68	63	59	54	50	45	41	
TM - 549 / 12.5 / 10	9.3	12.5	10		80	75	70	65	60	55	50	46	

OUTLET SIZE - 50 mm (2")

Single phase motors available upto 3.7 kW (5 HP).



# CHETAN

## Credibility . Commitment . Convenience



**Triveni Pumps  
Pvt. Ltd.**



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