

# CHE TAN

# PRODUCT CATALOGUE



150 mm (6") / 175 mm (7") &  
150 mm (6") / 200 mm (8")  
**BOREWELL SUBMERSIBLE PUMPSETS**



CML-8204056



BEE/TRI/0134/09



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.

# 150 mm / 175 mm & 150 mm / 200 mm 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
- ✓ Civil & Domestic
- ✓ Rural & Community Water Supply
- ✓ Industries
- ✓ Fire Fighting
- ✓ Pressure Boosting

## Specifications

	150mm / 175mm	150mm / 200mm
<b>Power Range</b>	3.7 - 18.5 kW (5 - 25 HP)	4.5 - 18.5 kW (6 - 25 HP)
<b>Head Range</b>	Upto 100 meters	Upto 150 meters
<b>Discharge Range</b>	Upto 1650 LPM	Upto 2500 LPM
<b>Voltage Range</b>	330 - 440 Volts (Three Phase)	
<b>Direction of Rotation</b>	Electrically Reversible	
<b>Method of Starting</b>	D.O.L upto 3.7 kW; S/D upto 18.5 kW	S/D upto 18.5 kW
<b>Type of Duty</b>	SI (Continuous)	
<b>Type of Cooling</b>	Water Filled	

## Material of construction

<b>Impeller</b>	Stainless Steel
<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

## 150 mm (6") / 175 mm (7") BOREWELL SUBMERSIBLE PUMPSETS

2880 RPM, At Rated Voltage

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

Maximum Outer Diameter : 168 mm

Model	Power Rating		Stage	Head In Meters	Discharge In LPM							MIXED FLOW
	kW	HP			0	525	750	950	1100	1250	1375	
TM - 172 / 5 / 2	3.7	5	2		32	30	26	22	18	14	10	
TM - 172 / 7.5 / 3	5.5	7.5	3		48	45	39	33	27	21	15	
TM - 172 / 10 / 4	7.5	10	4		64	60	52	44	36	28	20	
TM - 172 / 12.5 / 5	9.3	12.5	5		80	75	65	55	45	35	25	
TM - 172 / 15 / 6	11	15	6		96	90	78	66	54	42	30	

OUTLET SIZE - 100 mm (4")

Model	Power Rating		Stage	Head In Meters	Discharge In LPM							MIXED FLOW
	kW	HP			0	575	825	1025	1175	1325	1450	
TM - 173 / 6 / 2	4.5	6	2		35	30	26	22	18	14	10	
TM - 173 / 10 / 3	7.5	10	3		53	45	39	33	27	21	15	
TM - 173 / 12.5 / 4	9.3	12.5	4		70	60	52	44	36	28	20	
TM - 173 / 15 / 5	11	15	5		88	75	65	55	45	35	25	
TM - 173 / 20 / 6	15	20	6		105	90	78	66	54	42	30	

Model	Power Rating		Stage	Head In Meters	Discharge In LPM							MIXED FLOW
	kW	HP			0	625	900	1100	1250	1400	1525	
TM - 174 / 7.5 / 2	5.5	7.5	2		37	30	26	22	18	14	10	
TM - 174 / 12.5 / 3	9.3	12.5	3		56	45	39	33	27	21	15	
TM - 174 / 15 / 4	11	15	4		74	60	52	44	36	28	20	
TM - 174 / 20 / 5	15	20	5		93	75	65	55	45	35	25	
TM - 174 / 25 / 6	18.5	25	6		111	90	78	66	54	42	30	

OUTLET SIZE - 100 mm (4")

Model	Power Rating		Stage	Head In Meters	Discharge In LPM							MIXED FLOW
	kW	HP			0	675	975	1175	1325	1475	1600	
TM - 175 / 10 / 2	7.5	10	2		39	30	26	22	18	14	10	
TM - 175 / 15 / 3	11	15	3		59	45	39	33	27	21	15	
TM - 175 / 20 / 4	15	20	4		78	60	52	44	36	28	20	
TM - 175 / 25 / 5	18.5	25	5		98	75	65	55	45	35	25	

## 150 mm (6") / 175 mm (7") BOREWELL SUBMERSIBLE PUMPSETS

2880 RPM, At Rated Voltage  
 Three Phase 415 Volts, 50 Hz, A.C. Supply.  
 Maximum Outer Diameter : 168 mm

# Performance Chart

Model	Power Rating		Stage	Head In Meters	Discharge In LPM							MIXED FLOW
	kW	HP			0	750	1050	1250	1400	1550	1675	
TM - 176 / 6 / 1	4.5	6	1		21	15	13	11	9	7	5	
TM - 176 / 12.5 / 2	9.3	12.5	2		42	30	26	22	18	14	10	
TM - 176 / 20 / 3	15	20	3		63	45	39	33	27	21	15	
TM - 176 / 25 / 4	18.5	25	4		84	60	52	44	36	28	20	

OUTLET SIZE - 100 mm (4")

## 150 mm (6") / 200 mm (8") BOREWELL SUBMERSIBLE PUMPSETS

2880 RPM, At Rated Voltage  
 Three Phase 415 Volts, 50 Hz, A.C. Supply.  
 Maximum Outer Diameter : 196 mm

Model	Power Rating		Stage	Head In Meters	Discharge In LPM							MIXED FLOW	
	kW	HP			0	450	600	750	900	1025	1125		1200
TM - 163 / 6 / 2	4.5	6	2		37	36	34	32	30	28	26	24	
TM - 163 / 10 / 3	7.5	10	3		56	54	51	48	45	42	39	36	
TM - 163 / 12.5 / 4	9.3	12.5	4		74	72	68	64	60	56	52	48	
TM - 163 / 15 / 5	11	15	5		93	90	85	80	75	70	65	60	
TM - 163 / 20 / 6	15	20	6		111	108	102	96	90	84	78	72	
TM - 163 / 25 / 8	18.5	25	8		148	144	136	128	120	112	104	96	

OUTLET SIZE - 100 mm (4")

Model	Power Rating		Stage	Head In Meters	Discharge In LPM							MIXED FLOW	
	kW	HP			0	600	725	900	1050	1175	1275		1350
TM - 164 / 7.5 / 2	5.5	7.5	2		38	36	34	32	30	28	26	24	
TM - 164 / 12.5 / 3	9.3	12.5	3		57	54	51	48	45	42	39	36	
TM - 164 / 15 / 4	11	15	4		76	72	68	64	60	56	52	48	
TM - 164 / 20 / 5	15	20	5		95	90	85	80	75	70	65	60	
TM - 164 / 25 / 6	18.5	25	6		114	108	102	96	90	84	78	72	

# Performance Chart

## 150 mm (6") / 200 mm (8") BOREWELL SUBMERSIBLE PUMPSETS

2880 RPM, At Rated Voltage  
 Three Phase 415 Volts, 50 Hz, A.C. Supply.  
 Maximum Outer Diameter : 196 mm

Model	Power Rating		Stage	Head In Meters	Discharge In LPM								MIXED FLOW	OUTLET SIZE - 100 mm (4")
	kW	HP			0	650	800	975	1125	1250	1350	1475		
TM - 165 / 10 / 2	7.5	10	2	Head In Meters	42	36	34	32	30	28	26	24	MIXED FLOW	OUTLET SIZE - 100 mm (4")
TM - 165 / 15 / 3	11	15	3		63	54	51	48	45	42	39	36		
TM - 165 / 20 / 4	15	20	4		84	72	68	64	60	56	52	48		
TM - 165 / 25 / 5	18.5	25	5		105	90	85	80	75	70	65	60		
Model	Power Rating		Stage	Head In Meters	Discharge In LPM								MIXED FLOW	OUTLET SIZE - 100 mm (4")
	kW	HP			0	750	950	1125	1275	1400	1500	1575		
TM - 166 / 6 / 1	4.5	6	1	Head In Meters	23	18	17	16	15	14	13	12	MIXED FLOW	OUTLET SIZE - 100 mm (4")
TM - 166 / 12.5 / 2	9.3	12.5	2		45	36	34	32	30	28	26	24		
TM - 166 / 20 / 3	15	20	3		68	54	51	48	45	42	39	36		
TM - 166 / 25 / 4	18.5	25	4		90	72	68	64	60	56	52	48		
Model	Power Rating		Stage	Head In Meters	Discharge In LPM								MIXED FLOW	OUTLET SIZE - 100 mm (4")
	kW	HP			0	900	1100	1275	1425	1550	1650	1725		
TM - 167 / 15 / 2	11	15	2	Head In Meters	47	36	34	32	30	28	26	24	MIXED FLOW	OUTLET SIZE - 100 mm (4")
TM - 167 / 20 / 3	15	20	3		71	54	51	48	45	42	39	36		
Model	Power Rating		Stage	Head In Meters	Discharge In LPM								MIXED FLOW	OUTLET SIZE - 100 mm (4")
	kW	HP			0	1050	1325	1525	1625	1725	1800	1900		
TM - 168 / 7.5 / 1	5.5	7.5	1	Head In Meters	25	18	17	16	15	14	13	12	MIXED FLOW	OUTLET SIZE - 100 mm (4")
TM - 168 / 25 / 3	18.5	25	3		75	54	51	48	45	42	39	36		
Model	Power Rating		Stage	Head In Meters	Discharge In LPM								MIXED FLOW	OUTLET SIZE - 100 mm (4")
	kW	HP			0	1200	1450	1725	1825	1900	2000	2100		
TM - 170 / 10 / 1	7.5	10	1	Head In Meters	26	20	18	16	15	14	12	10	MIXED FLOW	OUTLET SIZE - 100 mm (4")
TM - 170 / 20 / 2	15	20	2		52	40	36	32	30	28	24	20		
Model	kW	HP	Stage	Head In Meters	0	1500	1700	1900	2100	2300	2500	2600	MIXED FLOW	OUTLET SIZE - 100 mm (4")
TM - 170 / 15 / 1 / E	11	15	1	Head In Meters	28	20	18	16	15	14	12	10	MIXED FLOW	OUTLET SIZE - 100 mm (4")



# 150 mm (6") / 175 mm (7") BOREWELL SUBMERSIBLE PUMPSETS

2880 RPM, At Rated Voltage

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

Maximum Outer Diameter : 168 mm

## Performance Chart

Model	Power Rating		Stage	Head In Meters	Discharge In LPM					MIXED FLOW
	kW	HP			0	220	570	670	900	
TM - 172 - 2	3.7	5	2		28	27	24	22	18	
TM - 172 - 3	5.5	7.5	3		42	40	36	32	27	
TM - 172 - 4	7.5	10	4		56	53	48	43	36	
TM - 172 - 5	9.3	12.5	5		70	66	60	54	45	
TM - 172 - 6	11	15	6		84	80	72	65	54	

Model	Power Rating		Stage	Head In Meters	Discharge In LPM					MIXED FLOW
	kW	HP			0	460	660	900	1100	
TM - 173 - 2	4.5	6	2		35	28	25	23	18	
TM - 173 - 3	7.5	10	3		53	41	37	33	27	
TM - 173 - 4	9.3	12.5	4		70	55	50	45	37	
TM - 173 - 5	11	15	5		88	69	62	56	46	
TM - 173 - 6	15	20	6		105	83	75	68	56	

Model	Power Rating		Stage	Head In Meters	Discharge In LPM					MIXED FLOW
	kW	HP			0	680	800	1150	1400	
TM - 174 - 2	5.5	7.5	2		37	29	26	23	19	
TM - 174 - 3	9.3	12.5	3		56	43	39	35	29	
TM - 174 - 4	11	15	4		74	58	52	47	39	
TM - 174 - 5	15	20	5		93	72	65	59	48	
TM - 174 - 6	18.5	25	6		111	86	78	70	58	

OUTLET SIZE - 100 mm (4")

All the above pumpsets are ISI marked.

# Performance Chart

## 150 mm (6") / 175 mm (7") BOREWELL SUBMERSIBLE PUMPSETS

2880 RPM, At Rated Voltage  
 Three Phase 415 Volts, 50 Hz, A.C. Supply.  
 Maximum Outer Diameter : 168 mm



Model	Power Rating		Stage	Head In Meters	Discharge In LPM					MIXED FLOW
	kW	HP			0	750	900	1280	1480	
TM - 175 - 2	7.5	10	2		40	31	28	25	21	
TM - 175 - 3	11	15	3		60	47	42	38	31	
TM - 175 - 4	15	20	4		80	62	56	50	42	
TM - 175 - 5	18.5	25	5		100	77	70	63	52	

  

Model	Power Rating		Stage	Head In Meters	Discharge In LPM					MIXED FLOW
	kW	HP			0	980	1200	1400	1600	
TM - 176 - 2	9.3	12.5	2		42	31	28	25	21	
TM - 176 - 3	15	20	3		62	47	42	38	31	
TM - 176 - 4	18.5	25	4		83	62	56	50	42	

OUTLET SIZE - 100 mm (4")

All the above pumpsets are ISI marked.





# 150 mm (6") / 200 mm (8") BOREWELL SUBMERSIBLE PUMPSETS

2880 RPM, At Rated Voltage  
 Three Phase 415 Volts, 50 Hz, A.C. Supply.  
 Maximum Outer Diameter : 196 mm

## Performance Chart

Model	Power Rating		Stage	Head In Meters	Discharge In LPM					MIXED FLOW
	kW	HP			17	570	720	1100	1300	
TM - 163 - 2	4.5	6	2		34	27	24	22	18	
TM - 163 - 3	7.5	10	3		51	40	36	32	27	
TM - 163 - 4	9.3	12.5	4		68	53	48	43	36	
TM - 163 - 5	11	15	5		85	66	60	54	45	
TM - 163 - 6	15	20	6		102	80	72	65	54	
TM - 163 - 8	18.5	25	8		136	106	96	86	72	

Model	Power Rating		Stage	Head In Meters	Discharge In LPM					MIXED FLOW
	kW	HP			19	850	1050	1300	1500	
TM - 164 - 2	5.5	7.5	2		38	26	23	21	17	
TM - 164 - 3	9.3	12.5	3		57	40	36	32	27	
TM - 164 - 4	11	15	4		76	53	48	43	36	
TM - 164 - 5	15	20	5		95	66	60	54	45	
TM - 164 - 6	18.5	25	6		114	80	72	65	54	

Model	Power Rating		Stage	Head In Meters	Discharge In LPM					MIXED FLOW
	kW	HP			20	1000	1200	1400	1600	
TM - 165 - 2	7.5	10	2		40	28	25	23	18	
TM - 165 - 3	11	15	3		60	41	37	33	27	
TM - 165 - 4	15	20	4		80	55	50	45	37	
TM - 165 - 5	18.5	25	5		100	69	62	56	46	

OUTLET SIZE - 100 mm (4")

All the above pumpsets are ISI marked.

# Performance Chart

## 150 mm (6") / 200 mm (8") BOREWELL SUBMERSIBLE PUMPSETS

2880 RPM, At Rated Voltage  
 Three Phase 415 Volts, 50 Hz, A.C. Supply.  
 Maximum Outer Diameter : 196 mm



Model	Power Rating		Stage	Head In Meters	Discharge In LPM					MIXED FLOW	OUTLET SIZE - 100 mm (4")
	kW	HP			22	1120	1320	1500	1700		
TM - 166 - 2	9.3	12.5	2		44	31	28	25	21		
TM - 166 - 3	15	20	3		66	47	42	38	31		
TM - 166 - 4	18.5	25	4		88	62	56	50	42		

  

Model	Power Rating		Stage	Head In Meters	Discharge In LPM					MIXED FLOW	OUTLET SIZE - 100 mm (4")
	kW	HP			23	1300	1440	1600	1800		
TM - 167 - 2	11	15	2		46	33	30	27	22		
TM - 167 - 3	15	20	3		69	48	43	39	32		

  

Model	Power Rating		Stage	Head In Meters	Discharge In LPM					MIXED FLOW	OUTLET SIZE - 100 mm (4")
	kW	HP			25	1450	1560	1650	1900		
TM - 168 - 2	13	17.5	2		50	35	31	28	23		
TM - 168 - 3	18.5	25	3		75	51	46	41	34		

  

Model	Power Rating		Stage	Head In Meters	Discharge In LPM					MIXED FLOW	OUTLET SIZE - 100 mm (4")
	kW	HP			27	1500	1680	1850	1950		
TM - 170 - 1	7.5	10	1		27	19	16	14	12		
TM - 170 - 2	15	20	2		54	36	32	29	24		

All the above pumpsets are ISI marked.

# CHETAN

## Credibility . Commitment . Convenience



**Triveni Pumps  
Pvt. Ltd.**



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