



Since 1969

# Unnati<sup>®</sup>

MOTORS | PUMPS



50 / 60 Hz



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MOTORS | PUMPS

## COMPANY PROFILE

Incorporated in the year 1985, UNNATI PUMPS PVT. LTD., is a manufacturing more than hundreds different varieties of submersible pump sets customized specially to customers' needs. We market these pumps under the brand name "Unnati" through our wide-spread and extensive distribution network across India and overseas market. We have our corporate and manufacturing set up at 81, Amarnath Industrial Estate, Naroda Road, Ahmedabad – 380025, Gujarat, INDIA.

## THE PROMOTER

The Company is promoted and managed by MR. S.B. Patel, a technocrat and qualified entrepreneur having 5 decades of rich experience in pumping technology and marketing.

It is under his leadership, UNNATI PUMPS PVT. LTD. has gathered many feathers on its cap to the extent that UNNATI has become synonymous.

He is now assisted by his versatile son Mr. Dhruvik S. Patel, the Director, to develop and cater overseas and domestic market.

## OUR INFRASTRUCTURE

The pump-sets are manufactured with using latest technology in air condition eco-friendly environment using SPM and CNC machines for mass production under the strict supervision of qualified, experienced and expert engineers to maintain the quality and consistent performance of our pump sets.

We have installed, auto welding machine, auto-hydraulic press and online assembly unit for fabricated S.S. Impeller and bowels. We also have computerized printing and marking machines for name plates of pump and motor sets. Submersible pump components are pre-washed by special washing machine prior to the assembly.

Installation of online pump assembly is in progress.

CAD is used to design all the critical components in order to achieve optimum performance.

All equipments are regularly monitored for accuracy and efficiency.

At "UNNATI", we also focus on R&D to study and analyze the products for continuous modification improvement and upgradation for efficiency and performance of the pumpsets and quality enhancement.

## TRAINING

The company give utmost importance in imparting training to its employees and distributors not only to handle the job with perfection but also keep them aware of latest development in the field of pump technology.

Company has well developed extensive manufacturing set up to meet any market demand in volume and quality thanks to its technologically advanced facilities.



Satisfied customer is our highest achievement which” keeps us constantly striving to serve our customers with integrity and quality. Focusing on this goal with vigorous team efforts, we promise to serve them to deliver only the best.

In order to maintain the highest quality and performance of our pump sets the company has facility of ultra-modern testing and inspection instruments for continuous monitoring manufacturing process.

We have electronic flow-meter in the computerized testing laboratory which provides unique facility of testing multiple pumps simultaneously for head versus discharge and overall efficiency at various position minimizing the time and human error thus making the performance report more authentic and reliable.





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## CUSTOMER FOCUS

At Unnati, customer is focus of attention for all activities at all level and every care is taken to see him delighted. His enquiry prior to sales is promptly responded for techno-commercial details and after sales-services to develop his confidence in our product and services.

Utmost care is taken to define customer requirements or complaints by providing prompt and proper corrective actions thereby keeping him satisfied. Suggestions and complaints are also invited from the customers periodically to find out whether they are satisfied with the performance of product, timely supplies, packing & dispatch, behavior and attitude and whether they are really satisfied with the corrective actions taken.

## An IS/ISO 9001:2015 Company

Unnati Pumps Pvt. Ltd. has privilege to be one of the pioneer manufacturing units of India manufacturing Submersible Pump sets to obtain International Quality System Certification ISO 9001 way back on 15th. August 1995.

## THE KEY

to our growth and  
success is simple



“ Together we can do it  
Together we have  
always done it ”





## PRODUCT SPECIFICATION

- Rewindable
- Connecting piece : S.S Casting
- Upper & Lower Housing : Graded C.I Casting
- Motor base : S.S Casting
- Stator shell : S S 304
- Motor shaft : S S 420
- Winding wire : Poly Propylene or PVC insulated
- Shaft extension and coupling dimensions : As per "NEMA" Standards
- Degree of protection : IP 68
- Max water temperature : 35° C
- Nos. of Start per Hour : Max 20 at regular intervals.
- Voltage variation : +6% / -10% at rated voltage.
- Max depth immersion : 500 metres.
- Motor cable length : 3.0 metres (3 core / 4 core)
- Maximum Outer Dia. : 142 mm
- Power Range : 4.0 kW - 45 kW - three phase
- Versions :
  - A.C. Three Phase : 380-400-415 volt - 50 HZ
- Direct online (D.O.L.) : 4.0 kW - 45 kW
- Star Delta (S.D.) : 7.5 kW - 45 kW
- Speed : 2900 RPM
- Type of Duty. : S1 (Continuous)

## PRODUCT FEATURE

- Unnati UW6 Submersible Motors are robust Rewindable and pre-filled with clean water mixed with non-toxic eco-friendly anti-corrosion fluid.
- Fully Stainless Steel Component.
- Stator shell with corrosion resistant Stainless Steel.
- Bearing : Water lubricated radial and thrust bearing .
- Shaft extension made of Stainless Steel AISI 420.
- High efficiency electrical design for Lower Operating Cost.
- Pressure compensation diaphragm.
- Mechanical Seal provided on request.

## PRODUCT APPLICATION

**“Unnati” prime mover Submersible Motors are suitable to couple with deep well Submersible Pump used for :**

- Residential Purpose
- Irrigation
- Fountains
- Industrial water supply
- Pressure Boosting Units
- Gardens
- Sprinkler Systems
- Mining Industries
- Oil & Gas Industries
- De-watering





## WATER LUBRICATED S.S. SUBMERSIBLE MOTOR

SR. NO.	DESCRIPTION	QTY.
1	MOTOR BASE	1
2	LOWER BEARING HOUSING	1
3	BREATHER DIAPHRAGM	1
4	ROCKER SUPPORT	1
5	THRUST BEARING	1
6	BEARING BUSH	4
7	STATOR STAMPING	AS PER S.L.
8	STATOR TUBE	1
9	SPACER	2
10	ROTOR	1
11	FLANGE	2
12	UPPER BEARING HOUSING	1
13	CONNECTING PIECE	1
14	S.S. STUD	4
15	INSULATED WINDING WIRE	

Model	P <sub>n</sub>		Motor Length (mm)	Net Weight (kg)
	kW	HP		
UW6TP0055H5SS	4.00	5.50	593	45
UW6TP0075H5SS	5.50	7.50	643	48
UW6TP0100H5SS	7.50	10.00	693	53
UW6TP0125H5SS	9.30	12.50	703	56
UW6TP0150H5SS	11.00	15.00	743	60
UW6TP0175H5SS	13.00	17.50	793	64
UW6TP0200H5SS	15.00	20.00	868	70
UW6TP0250H5SS	18.50	25.00	918	75
UW6TP0300H5SS	22.00	30.00	1041	88
UW6TP0360H5SS	26.50	36.00	1116	94
UW6TP0400H5SS	30.00	40.00	1166	101
UW6TP0500H5SS	37.50	50.00	1216	107
UW6TP0600H5SS	45.00	60.00	1316	118

P<sub>n</sub> = Rated Output



