



80 MM (3") BOREWELL SUBMERSIBLE PUMPS

OMI 80 mm (3") Borewell Submersible pumps are highly energy-efficient products that are lightweight and easy to install with noiseless operations, they are specially designed to withstand high axial thrust load. These pumps are developed and manufactured by the continuous efforts and innovation of our R&D Team with prime experience in manufacturing pumps for the past 50 years.

SALIENT FEATURES

- Highly Energy Efficient • Lightweight and easy to install
- Noiseless Operations. • Wet Type, Water Cooled and Rewindable motors.
- Oil Filled Motors are also available • Suitable for wide voltage fluctuation
- High Operating Efficiency • Can be easily dismantled and repaired.
- Dynamically balanced rotating parts.
- Specially designed bearings to withstand high axial thrust load

APPLICATIONS :



Agricultural/
Irrigation



Domestic



Farms



Lawn



Garden
Watering



Fountains

PRODUCT SPECIFICATIONS

Power Range	0.5HP-1.5 HP
Phase / Voltage Range	Single-phase 180-240V, 50Hz, A.C Supply
Maximum total head	200 meters
Maximum flow rate	5000 lph
Maximum Outer diameter in mm	80 mm
Nominal outlet size	1", 1.25" (25, 32 mm)
Rotor	Copper Brazed Rotor / Alu Pressure Die Cast
Bush	LTB 4 Bush / Carbon
Bearing	Carbon Pad with Segment Bearing
Impeller	Virgin Noryl / SS
Casing	Virgin Noryl/ SS / CI

Sr. No	HP	Stage	Middle	Del. Schedule	Discharge in LPM & m ³ /h and Total Head Range in Meter						Over all Effi. % as per IS 8034/18	Falcon Max. Overall Effi. in%	More Result Compare to IS	Achieved Star As Per BEE Calcul.	
					LPM	75	70	60	42	36					15
					LPH	4500	4200	3600	2520	2160					900
					1.00	1.50	2.00	2.50	2.75	3.00					
1	3.0	6	-	3	Total Head In Meter	9	14	18	23	25	27	15.45	16.50	7%	-
2	5.0	10	-	3		12	18	24	30	33	36	16.35	18.00	10%	2
3	6.0	12	1	3		16	24	32	40	44	48	20.52	23.00	12%	2
4	7.5	15	1	3		20	30	40	50	55	60	20.90	23.50	12%	2
5	10.0	20	1	3		24	36	48	60	66	72	21.50	24.00	12%	2

Sr. No	HP	Stage	Middle	Del. Schedule	Discharge in LPM & m ³ /h and Total Head Range in Meter						Over all Effi. % as per IS 8034/18	Falcon Max. Overall Effi. in%	More Result Compare to IS	Achieved Star As Per BEE Calcul.	
					LPM	75	70	60	42	36					15
					LPH	2700	2400	2100	1800	1260					540
					1.00	1.50	2.00	2.50	2.75	3.00					
1	0.50	12	-	1	Total Head In Meter	9	14	18	23	25	27	14.90	15.00	1%	-
2	0.75	18	-	1		12	18	24	30	33	36	17.35	18.00	4%	-
3	1.00	24	1	1		16	24	32	40	44	48	18.25	18.50	1%	-
4	1.25	28	1	2		20	30	40	50	55	60	18.75	19.00	1%	-
5	1.50	32	1	3		24	36	48	60	66	72	19.70	20.00	2%	-

