



100 MM 4" BOREWELL SUBMERSIBLE PUMPS WATER FILLED

OMI 100 mm 4" 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 fluctuations
- High Operating Efficiency • Can be easily dismantled and repaired.
- Dynamically balanced rotating parts.
- Specially designed bearings to withstand high axial thrust load

APPLICATIONS :



PRODUCT SPECIFICATIONS

Power Range	0.5HP-5 HP
Phase / Voltage Range	Single-phase 180-240V, Three-phase, 350 -415V, 50Hz, A.C Supply
Maximum total head	400 meters
Maximum flow rate	25000 lph
Maximum Outer diameter in mm	98 mm
Nominal outlet size	1.25", 1.5", 2" (32,40,50 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

PERFORMANCE CHART

Model Description	Motor		Stage	Phase	Pump Size Delivery	DISCHARGE IN LPPM	TOTAL HEAD IN METER									
	Hp	Kw					15	30	45	60	75	90	105	120	135	150
SMART 1/8 HH CU	1	0.75	8	1	32 mm	DISCHARGE IN LPPM	96	81	60	24						
SMART 1/10 HH CU	1	0.75	10	1	32 mm		66	52	36	17						
SMART 1/12 HH CU	1	0.75	12	1	32 mm		84	75	64	51	36	12				
SMART 1.5/12 HH CU	1.5	1.1	12	1	32 mm		104	96	84	70	52	24				
SMART 1.5/15 HH CU	1.5	1.1	15	1	32 mm			88	76	65	52	36	22			
SMART 1.5/18 HH CU	1.5	1.1	18	1	32 mm			85	78	69	61	51	42	30	15	0

Model Description	Motor		Stage	Phase	Pump Size Delivery	DISCHARGE IN LPPM	TOTAL HEAD IN METER								
	Hp	Kw					15	30	45	60	75	90	105	120	
PREMIUM 2/10 LH CU	2	1.5	10	1	40 mm	DISCHARGE IN LPPM	228	190	120						
PREMIUM 3/15 LH CU	3	2.2	15	3	40 mm			230	198	105	60				
PREMIUM 5/25 LH CU	5	3.7	25	3	40 mm			242	230	210	194	168	144	126	



Model Description	Motor		Stage	Phase	Pump Size Delivery		TOTAL HEAD IN METER				
	Hp	Kw					15	30	45	60	75
SMART 1/5 LH CU	1	0.75	5	1	50 mm	DISCHARGE IN LPM	175				
SMART 1/7 LH CU	1	0.75	7	1	40 mm		140	90			
SMART 1/10 LH CU	1	0.75	10	1	40 mm		114	96	60		
SMART 1.5/7 LH CU	1.5	1.1	7	1	50 mm		204	138			
SMART 1.5/9 LH CU	1.5	1.1	9	1	40 mm		156	126	36		
SMART 1.5/12 LH CU	1.5	1.1	12	1	40 mm		145	122	96	55	
SMART 1.5/15 LH CU	1.5	1.1	15	1	40 mm		120	100	75	24	
SMART 1.5/18 LH CU	1.5	1.1	18	1	32 mm		132	120	100	75	24

Model Description	Motor		Stage	Phase	Pump Size Delivery		TOTAL HEAD IN METER															
	Hp	Kw					30	45	60	75	90	105	120	135	150	180	210	240	270	300	330	
PREMIUM 2/15 HH CU	2	1.5	15	1	32 mm	DISCHARGE IN LPM	102	93	84	69	48	34										
PREMIUM 2/18 HH CU	2	1.5	18	1	32 mm		105	97	88	78	65	52	35									
PREMIUM 2/20 HH CU	2	1.5	20	1	32 mm		94	87	80	70	62	53	42									
PREMIUM 2/22 HH CU	2	1.5	22	1	32 mm		88	82	75	70	65	55	51	41	34	12						
PREMIUM 2/30 HH CU	2	1.5	30	1	32 mm		84	78	72	67	61	56	49	43	36	21	8					
PREMIUM 3/20 HH CU	3	2.2	20	3	32 mm		114	107	97	87	76	63	51	36	18							
PREMIUM 3/25 HH CU	3	2.2	25	3	32 mm		100	88	85	78	72	66	60	52	45	35						
PREMIUM 3/30 HH CU	3	2.2	30	3	32 mm		99	94	89	82	77	71	65	60	51	36	18					
PREMIUM 5/25 HH CU	5	3.7	25	3	32 mm		120	114	106	100	92	86	76	68	59							
PREMIUM 5/30 HH CU	5	3.7	30	3	32 mm		122	118	114	108	102	96	90	78	66	54	38					
PREMIUM 5/36 HH CU	5	3.7	36	3	32 mm		125	120	115	110	105	97	94	87	81	66	51	36	20	12	0	

Model Description	Motor		Stage	Phase	Pump Size Delivery		TOTAL HEAD IN METER													
	Hp	Kw					15	30	45	60	75	90	120	150	180	210				
PREMIUM 2/12 LH CU	2	1.5	12	1	40 mm	DISCHARGE IN LPM	170	146	114	54										
PREMIUM 2/20 LH CU	2	1.5	20	1	40 mm		150	138	120	100	84	60	36	0						
PREMIUM 3/18 LH CU	3	2.2	18	3	40 mm		192	170	150	126	97	60								
PREMIUM 3/20 LH CU	3	2.2	20	3	40 mm		194	172	156	136	112	80								
PREMIUM 3/24 LH CU	3	2.2	24	3	40 mm			145	132	122	110	96	55							
PREMIUM 5/30 LH CU	5	3.7	30	3	40 mm			160	154	146	140	132	120	100	75	48				
PREMIUM 5/35 LH CU	5	3.7	35	3	40 mm			190	180	170	160	150	126	98	60					
PREMIUM 5/40 LH CU	5	3.7	40	3	40 mm			180	174	166	160	150	130	108	80					

Model Description	Motor		Stage	Phase	Pump Size Delivery		TOTAL HEAD IN METER												
	Hp	Kw					5	10	15	20	25	30	35	40	60	90			
PREMIUM 2/6 LH CU	2	1.5	6	1	50 mm	DISCHARGE IN LPM	444	408	372	324	264	144							
PREMIUM 3/8 LH CU	2	1.5	8	3	50 mm			466	430	396	370	300	230						
PREMIUM 3/10 LH CU	3	2.2	10	3	50 mm			504	462	434	408	360	312	270					
PREMIUM 5/12 LH CU	3	2.2	12	3	50 mm			540	510	480	456	420	380	340	144				
PREMIUM 5/15 LH CU	3	2.2	15	3	50 mm			564	540	510	480	456	420	384	228				
PREMIUM 5/20 LH CU	5	3.7	20	3	50 mm					306	296	280	275	250	226	165			

