



## 150 MM 6" BOREWELL SUBMERSIBLE PUMPS

OMI 150 mm 6" 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 • Easy to install • Noiseless Operations.
- Wet Type, Water Cooled and Rewindable motors.
- 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 :



Agricultural/  
Irrigation



Sprinkler  
And Drip



Pressure  
Boosting



Rural  
Water Supply



Industrial  
Water Circulation

## PRODUCT SPECIFICATIONS

Power Range	3 HP – 25HP
Phase / Voltage Range	350 – 415V, Three Phase, 50 Hz, A.C. Supply
Maximum total head	400 meters
Maximum flow rate	68400 lph
Maximum Outer diameter in mm	147 mm
Nominal outlet size	1.5", 2", 2.5", 3". (40,50,65,80 mm)
Rotor	Copper Brazed Rotor
Bush	LTB 4 Bush / Carbon
Bearing	Carbon Pad with Segment Bearing
Impeller	SS
Casing	SS / CI

## PERFORMANCE CHART

Model Description	Motor		Stage	Phase	Pump Size	TOTAL HEAD IN METERS	DISCHARGE IN LPM						
	Hp	Kw			Delivery		80	100	120	150	180		
<b>SMART SERIES</b>													
GOLD 3/10	3	2.2	10	3	50 mm		79	75	70	57	36		
GOLD 5/15	5	3.7	15	3	50 mm		118	113	106	85	54		
GOLD 6/18	6	4.5	18	3	50 mm		141	133	120	102	65		
GOLD 6/20	6	4.5	20	3	50 mm		160	147	138	113	72		
GOLD 7.5/25	8	5.5	25	3	50 mm		204	188	174	140	89		
PLATINUM 7.5/25	8	5.5	25	3	50 mm		204	188	174	140	89		
PLATINUM 10/30	10	7.5	30	3	50 mm		235	226	200	170	105		
PLATINUM 12.5/40	13	9.3	40	3	50 mm		312	294	266	226	140		



Model Description	Motor		Stage	Phase	Pump Size	TOTAL HEAD IN METERS	DISCHARGE IN LPM				
	SMART SERIES	Hp			Kw		Delivery	120	150	180	210
GOLD 3/8	3	2.2	8	3	50 mm		67	62	56	48	27
GOLD 5/12	5	3.7	12	3	50 mm		100	92	84	72	40
GOLD 6/15	6	4.5	15	3	50 mm		125	114	105	90	50
GOLD 7.5/18	7.5	5.5	18	3	50 mm		149	139	126	108	60
GOLD 7.5/20	7.5	5.5	20	3	50 mm		165	154	140	120	66
PLATINUM 7.5/18	7.5	5.5	18	3	50 mm		149	139	126	108	60
PLATINUM 7.5/20	7.5	5.5	20	3	50 mm		165	154	140	120	66
PLATINUM 10/25	10	7.5	25	3	50 mm		205	190	170	147	85
PLATINUM 12.5/30	12.5	9.3	30	3	50 mm	250	232	210	180	100	
PLATINUM 15/40	15	11.0	40	3	50 mm	291	266	245	210	116	
PLATINUM 17.5/40	17.5	13.0	40	3	50 mm	332	305	280	240	132	

Model Description	Motor		Stage	Phase	Pump Size	TOTAL HEAD IN METERS	DISCHARGE IN LPM				
	SMART SERIES	Hp			Kw		Delivery	150	180	210	240
GOLD 3/6	3	2.2	6	3	50 mm		53	50	45	40	33
GOLD 5/10	5	3.7	10	3	50 mm		88	82	74	65	54
GOLD 6/12	6	4.5	12	3	50 mm		106	98	90	78	67
GOLD 7.5/15	7.5	5.5	15	3	50 mm		135	125	111	96	82
PLATINUM 7.5/15	7.5	5.5	15	3	50 mm		135	125	111	96	82
PLATINUM 10/20	10	7.5	20	3	50 mm		175	162	145	130	102
PLATINUM 12.5/25	12.5	9.3	25	3	50 mm		217	196	175	138	120
PLATINUM 15/30	15	11	30	3	50 mm		260	235	210	185	140
PLATINUM 20/40	20	15	40	3	50 mm	345	320	385	225	195	

Model Description	Motor		Stage	Phase	Pump Size	TOTAL HEAD IN METERS	DISCHARGE IN LPM				
	SMART SERIES	Hp			Kw		Delivery	180	210	240	300
GOLD 3/4	3	2.2	4	3	50 mm		50	45	40		
GOLD 3/5	3	2.2	5	3	50 mm		45	43	38	30	20
GOLD 5/8	5	3.7	8	3	50 mm		72	68	60	48	30
GOLD 6/10	6	4.5	10	3	50 mm		91	85	76	60	38
GOLD 7.5/12	7.5	5.5	12	3	50 mm		109	103	90	72	45
PLATINUM 7.5/12	7.5	5.5	12	3	50 mm		109	103	90	72	45
PLATINUM 10/15	10	7.5	15	3	50 mm		135	128	113	90	57
PLATINUM 12.5/18	12.5	9.3	18	3	50 mm		167	158	140	110	72
PLATINUM 12.5/20	12.5	9.3	20	3	50 mm	180	170	155	122	80	
PLATINUM 15/25	15	11	25	3	50 mm	225	214	190	152	100	
PLATINUM 17.5/30	17.5	13	30	3	50 mm	270	255	225	178	112	
PLATINUM 20/30	20	15	30	3	50 mm	272	258	227	180	116	



Model Description	Motor		Stage	Phase	Pump Size	TOTAL HEAD IN METERS	DISCHARGE IN LPM					
	Hp	Kw			Delivery		240	300	330	390	450	
SMART SERIES												
GOLD 5/6	5	3.7	6	3	50 mm			54	48	44	36	24
GOLD 6/8	6	4.5	8	3	50 mm			72	64	60	48	32
GOLD 7.5/10	7.5	5.5	10	3	50 mm			90	80	73	60	40

Model Description	Motor		Stage	Phase	Pump Size	TOTAL HEAD IN METERS	DISCHARGE IN LPM					
	Hp	Kw			Delivery		240	300	330	390	450	
SMART SERIES												
PLATINUM 7.5/10	7.5	5.5	10	3	50 mm			90	80	73	60	40
PLATINUM 10/12	10	7.5	12	3	50 mm			108	97	88	72	48
PLATINUM 12.5/15	12.5	9.3	15	3	50 mm			145	128	121	96	64
PLATINUM 15/18	15	11	18	3	50 mm		162	145	132	108	72	
PLATINUM 17.5/20	17.5	13	20	3	50 mm		183	163	150	123	82	
PLATINUM 20/25	20	15	25	3	50 mm		225	200	184	150	100	

Model Description	Motor		Stage	Phase	Pump Size	TOTAL HEAD IN METERS	DISCHARGE IN LPM					
	Hp	Kw			Delivery		240	300	340	420	510	
SMART SERIES												
GOLD 3/3	3	2.2	3	3	50 mm			32	30	27	21	12
GOLD 5/5	5	3.7	5	3	50 mm			53	50	43	35	20
GOLD 6/6	6	4.5	6	3	50 mm			64	60	52	42	24
GOLD 7.5/8	7.5	5.5	8	3	50 mm		85	80	68	56	32	
PLATINUM 7.5/8	7.5	5.5	8	3	50 mm		85	80	68	56	32	
PLATINUM 10/10	10	7.5	10	3	50 mm		105	98	85	68	40	
PLATINUM 12.5/12	12.5	9.3	12	3	50 mm		128	120	104	84	48	
PLATINUM 15/15	15	11	15	3	50 mm		162	150	132	106	60	
PLATINUM 17.5/17	17.5	13	17	3	50 mm		184	170	150	122	68	
PLATINUM 20/20	20	15	20	3	50 mm		210	196	170	136	80	

Model Description	Motor		Stage	Phase	Pump Size	TOTAL HEAD IN METERS	DISCHARGE IN LPM					
	Hp	Kw			Delivery		420	480	540	660	780	
SMART SERIES												
GOLD 3/3	3	2.2	3	3	65 mm			23	21	19	12	
GOLD 5/4	5	3.7	4	3	65 mm			37	35	31	25	14
GOLD 5/5	5	3.7	5	3	65 mm			38	34	31	20	
GOLD 6/5	6	4.5	5	3	65 mm		46	42	36	28	16	
GOLD 6/6	6	4.5	6	3	65 mm		46	41	37	24		
GOLD 7.5/6	7.5	5.5	6	3	65 mm		54	50	45	5	20	
GOLD 7.5/8	7.5	5.5	8	3	65 mm		61	54	49	32		
PLATINUM 7.5/6	7.5	5.5	6	3	65 mm		54	50	45	5	20	
PLATINUM 7.5/8	7.5	5.5	8	3	65 mm		61	54	49	32		



Model Description	Motor		Stage	Phase	Pump Size	TOTAL HEAD IN METERS	DISCHARGE IN LPM				
	SMART SERIES	Hp			Kw		Delivery	420	480	540	660
PLATINUM 10/8	10	7.5	8	3	65 mm		73	66	60	46	26
PLATINUM 10/10	10	7.5	10	3	65 mm		76	68	62	40	
PLATINUM 12.5/10	12.5	9.3	10	3	65 mm		91	84	76	59	33
PLATINUM 12.5/12	12.5	9.3	12	3	65 mm		92	82	75	48	
PLATINUM 15/12	15	11	12	3	65 mm		108	101	90	70	40
PLATINUM 15/15	15	11	15	3	65 mm		114	102	93	60	
PLATINUM 17.5/14	17.5	13	14	3	65 mm		145	133	120	94	53
PLATINUM 17.5/17	17.5	13	17	3	65 mm		130	116	105	68	
PLATINUM 20/16	20	15	16	3	65 mm	145	133	120	94	53	
PLATINUM 20/20	20	15	20	3	65 mm	153	136	124	80		

Model Description	Motor		Stage	Phase	Pump Size	TOTAL HEAD IN METERS	DISCHARGE IN LPM				
	SMART SERIES	Hp			Kw		Delivery	360	480	660	840
GOLD 5/3	5	3.7	3	3	75 mm		26	24	21	18	15
GOLD 6/4	6	4.5	4	3	75 mm		36	32	27	23	20
GOLD 7.5/5	7.5	5.5	5	3	75 mm		44	40	35	30	25
PLATINUM 7.5/5	7.5	5.5	5	3	75 mm		44	40	35	30	25
PLATINUM 10/6	10	7.5	6	3	75 mm		54	48	42	36	30
PLATINUM 12.5/8	12.5	9.3	8	3	75 mm		72	64	56	48	40
PLATINUM 15/10	15	11	10	3	75 mm		88	80	70	60	50
PLATINUM 20/14	20	15	14	3	75 mm		108	96	85	72	60

Model Description	Motor		Stage	Phase	Pump Size	TOTAL HEAD IN METERS	DISCHARGE IN LPM				
	SMART SERIES	Hp			Kw		Delivery	450	620	800	1000
GOLD 6/3	6	4.5	3	3	75 mm		31	27	23	17	8
GOLD 7.5/4	8	5.5	4	3	75 mm		40	35	30	22	11
PLATINUM 7.5/4	7.5	5.5	4	3	75 mm		40	35	30	22	11
PLATINUM 10/5	10	7.5	5	3	75 mm		50	44	38	28	14
PLATINUM 12.5/6	12.5	9.3	6	3	75 mm		60	53	45	33	17
PLATINUM 15/8	15	11	8	3	75 mm		80	70	60	44	22
PLATINUM 20/10	20	15	10	3	75 mm		100	89	77	56	28

Model Description	Motor		Stage	Phase	Pump Size	TOTAL HEAD IN METERS	DISCHARGE IN LPM					
	SMART SERIES	Hp			Kw		Delivery	600	800	1000	1200	1400
GOLD 7.5/3	5	5.5	3	3	100 mm		32	29	26	23	19	14
PLATINUM 7.5/3	6	5.5	3	3	100 mm		32	29	26	23	19	14
PLATINUM 10/4	7.5	7.5	4	3	100 mm		43	38	34	31	26	19
PLATINUM 12.5/5	7.5	9.3	5	3	100 mm		53	48	43	39	32	24
PLATINUM 15/6	10	11	6	3	100 mm		64	57	51	46	38	28
PLATINUM 17.5/7	12.5	13	7	3	100 mm		75	67	60	54	45	33
PLATINUM 20/8	15	15	8	3	100 mm		85	76	68	62	51	38

