

## Submersible Pumps Product Explorer





## The Hindustan Group

“Hindustan Pumps” has established itself as a distinguished manufacturer of high quality, efficient, reliable and long lasting pumps and motors for more than 35 years, setting a tradition of excellence since 1975. The Group’s commitment towards Quality control, customer satisfaction, adoption of latest technologies and continuous R&D has yielded magnificent results and led the group from one success to another. The path of progress has been marked by many milestones wherein consolidation and diversification has been the mantra. The foray into the export market confirmed the global vision of the company.

Hindustan pumps has achieved the prestigious International Quality certification IS/ISO 9001:2008 of Bureau of Indian Standard. The certification of ISO 9001 and ISI marks were just an affirmation that “Hindustan Pumps” is the signature of Quality. The Group has also undertaken Japanese quality management techniques (GEMBA-KAIZEN) in day to day working. We have different quality check measures at various stages of production process. The quality checks starts with the receiving of raw material to the testing’s of final product, all is done in our well-equipped in-house quality laboratory. All these measures ensure that we make world class products, thus enabling us to get registered and supply to big industrial houses, multi-national companies and esteemed government organizations.

We are a client oriented company and strongly believe that “A satisfied customer is the best business strategy of all “. The company has acclaimed reputation of excellent after-sale-service. A strong R&D base, modern state-of-art manufacturing facilities, emphasis on quality, competent work force and strong ethical business policies , we have garnered a large customer base over the period of time. As a result, “Hindustan Pumps” name has been well associated by our customer with high quality, reliability, timely delivery and highly competitive pricing. Today, Hindustan pump is the most trusted name in the pumps & motor industry.



**Power Behind Water...**

## Our Products

"Hindustan Pumps" product range caters to the water needs of Domestic, Agriculture and Industrial sectors:

### Domestic /Residential



- **Self-Priming Mono-block Pumps** (0.5HP, 1HP & 1.25HP)
- **Super Booster** (0.5HP & 1HP)
- **Shallow Well** (0.5HP, 0.75HP & 1HP)
- **Jet Pumps** (1.0HP to 1.5HP)
- **Electric Motors - Single Phase** (0.5HP to 5HP)
- **Mud Pumps** (1.0HP to 7.5HP)



### Agricultural



- **Submersible Pumps** (0.5HP to 100HP)
- **Mono-Submersible Pumps** (3HP to 25HP)
- **Open-Well Pumps** (0.5HP to 30HP)
- **Monoblock Pumps - High Speed-2880RPM** (0.5HP to 20HP)
- **Monoblock Pumps - Slow Speed-1440 RPM** (2HP to 15HP)



### Industrial



- **Drainage Pumps - Non Clog** (1HP to 25HP )
- **Electric Motors-Three Phase** (0.5HP to 25HP)
- **Monoblock Pumps - High Speed-2880RPM** (0.5HP to 20HP)
- **Stainless Steel Submersible Pumps-V4** (0.5HP to 10HP)



## Our Infrastructure

- Plant Area: 1,01,700sq.ft. at Karnal (situated 120 km form Delhi)
- Modern State-of-art Manufacturing Facilities
- Quality Assurance System
- Well-equipped R&D



### Motor E3/O-3 (Single Phase) with Pump H3-4 (Radial Flow) **RPM: 2850 Apprx.**

Borewell Size: 75mm (3") & Above, Outlet Size: 25mm (1"), 220 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM							
	KW	HP		22	28	32	36	39	43	45	48
				DELIVERY HEAD IN METERS							
H3-4	0.37	0.50	9	36	33	30	27	24	20	17	13
H3-4	0.55	0.75	12	48	45	39	36	33	28	25	20
H3-4	0.55	0.75	14	52	49	46	42	38	34	29	23
H3-4	0.75	1.00	15	54	51	48	44	40	36	31	25
H3-4	0.75	1.00	16	57	54	51	47	43	39	34	27
H3-4	0.75	1.00	18	62	59	56	52	48	44	38	32
H3-4	0.93	1.25	23	74	69	66	62	58	54	50	42
H3-4	1.10	1.50	26	80	75	72	68	64	60	56	48

### Motor E3/O-3 (Single Phase) with Pump H3-7 (Radial Flow) **RPM: 2850 Apprx.**

Borewell Size: 75mm (3") & Above, Outlet Size: 25mm (1"), 220 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM						
				18	22	35	47	56	66	72
	KW	HP		DELIVERY HEAD IN METERS						
H3-7	0.37	0.50	6	30	32	23	18	14	10	
H3-7	0.55	0.75	10	42	40	35	30	24	21	17
H3-7	0.75	1.00	13	52	49	44	38	32	28	24
H3-7	0.93	1.25	16	64	59	53	47	40	35	30
H3-7	1.10	1.50	20	77	72	66	60	53	47	40
H3-7	1.10	1.50	24	88	84	78	72	65	58	50





### Motor E4 / O4 / A4 with Pump H4-1 (Radial Flow) RPM: 2850 Apprx.

Borewell Size: 100mm (4") & Above, Outlet Size: 32mm (1.25"), 220 & 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		PHASE	STAGE	DISCHARGE IN LPM					
					22	26	37	42	45	55
	KW	HP			DELIVERY HEAD IN METERS					
H4-1	0.37	0.50	SP	9	42	39	33	27	25	23
H4-1	0.37	0.50	SP	10	47	44	38	32	30	28
H4-1	0.55	0.75	SP	12	58	54	48	42	40	38
H4-1	0.55	0.75	SP	15	70	66	60	54	50	44
H4-1	0.75	1.00	SP/TP	18	86	80	68	56	52	48
H4-1	0.75	1.00	SP/TP	20	92	86	74	62	58	54
H4-1	1.10	1.50	SP/TP	25	106	100	88	76	70	62

### Motor E4 / O4 / A4 with Pump H4-2 (Radial Flow) RPM: 2850 Apprx.

Borewell Size: 100mm (4") & Above, Outlet Size: 32mm (1.25"), 220 & 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		PHASE	STAGE	DISCHARGE IN LPM					
					22	26	37	42	45	55
	KW	HP			DELIVERY HEAD IN METERS					
H4-2	0.37	0.50	SP	6	31	30	28	26	25	22
H4-2	0.37	0.50	SP	7	35	34	32	30	29	26
H4-2	0.55	0.75	SP	8	43	40	39	37	35	30
H4-2	0.55	0.75	SP	10	54	52	49	44	40	36
H4-2	0.75	1.00	SP/TP	12	65	61	59	56	53	45
H4-2	0.75	1.00	SP/TP	15	78	76	68	63	58	53
H4-2	0.75	1.00	SP/TP	16	87	81	79	75	71	60
H4-2	1.10	1.50	SP/TP	18	96	90	87	84	78	68
H4-2	1.10	1.50	SP/TP	20	98	94	87	75	66	56
H4-2	1.10	1.50	SP/TP	21	112	108	102	98	91	79
H4-2	1.50	2.00	SP	25	133	125	121	117	108	94
H4-2	1.50	2.00	SP	27	144	135	131	126	117	101
H4-2	1.50	2.00	SP	30	138	130	119	107	95	77
H4-2	1.50	2.00	SP	32	171	160	155	149	139	120
H4-2	1.90	2.50	TP	27	144	135	131	126	117	101
H4-2	1.90	2.50	TP	32	171	160	155	149	139	120

### Motor E4 / O4 / A4 with Pump H4-4 (Radial Flow) RPM: 2850 Apprx.

Borewell Size: 100mm (4") & Above, Outlet Size: 32mm (1.25"), 220 & 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		PHASE	STAGE	DISCHARGE IN LPM						
					20	30	40	50	60	70	90
	KW	HP			DELIVERY HEAD IN METERS						
H4-4	0.55	0.75	SP	7	35	33	30	27	23	18	16
H4-4	0.75	1.00	SP/TP	10	52	50	46	41	35	28	25
H4-4	1.10	1.50	SP/TP	12	62	60	55	50	43	35	31
H4-4	1.10	1.50	SP/TP	15	78	74	69	62	54	44	39
H4-4	1.50	2.00	SP	18	93	89	82	75	64	53	47
H4-4	1.50	2.00	SP	20	101	97	90	83	72	61	55
H4-4	1.90	2.50	TP	18	93	89	82	75	64	53	47



### Motor E-4 / O4 / A4 with Pump H4-5 (Radial Flow) RPM: 2850 Apprx.

Borewell Size: 100mm (4") & Above, Outlet Size: 38mm (1.5") , 220 & 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		PHASE	STAGE	DISCHARGE IN LPM					
	KW	HP			30	40	60	85	100	115
					DELIVERY HEAD IN METERS					
H4-5	0.75	1.00	SP/TP	8	40	36	33	30	26	18
H4-5	0.75	1.00	SP/TP	9	49	45	44	39	30	23
H4-5	1.10	1.50	SP/TP	11	55	50	49	43	32	28
H4-5	1.50	2.00	SP	12	62	58	55	48	40	36
H4-5	1.50	2.00	SP	15	76	70	65	60	52	48
H4-5	1.90	2.50	TP	12	62	58	55	48	40	36
H4-5	1.90	2.50	TP	15	76	70	65	60	52	48

### Motor E4/ O4/ A4/ H4/ G4 with Pump H4-7 (Radial Flow) RPM: 2850 Apprx.

Borewell Size: 100mm (4") & Above, Outlet Size: 38mm (1.5") , 220 and 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		PHASE	STAGE	DISCHARGE IN LPM							
	KW	HP			90	100	110	120	130	140	150	160
					DELIVERY HEAD IN METERS							
H4-7	0.75	1.00	SP/TP	5	26	25	24	22	19	17		
H4-7	1.10	1.50	SP/TP	7	37	35	33	31	28	26	24	20
H4-7	1.10	1.50	SP/TP	8	43	41	39	37	35	30	27	22
H4-7	1.50	2.00	SP	9	50	47	45	42	39	33	30	24
H4-7	1.50	2.00	SP	10	56	53	50	47	44	38	35	30
H4-7	1.90	2.50	TP	9	50	47	45	42	39	33	30	24
H4-7	1.90	2.50	TP	10	56	53	50	47	44	38	35	30
H4-7	2.50	3.35	SP/TP	12	67	63	60	56	52	46	41	34
H4-7	2.50	3.35	SP/TP	15	81	77	74	69	62	57	50	42

### Motor E4 / O4 / H4 / G4 with Pump H4-18 (Mix Flow) RPM: 2850 Apprx.

Borewell Size: 100mm (4") & Above, Outlet Size: 50mm (2") , 220 and 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		PHASE	STAGE	DISCHARGE IN LPM						
	KW	HP			165	200	250	300	350	365	400
					DELIVERY HEAD IN METERS						
H4-18	1.10	1.50	SP/TP	5	22	18	16	12	8	5	4
H4-18	1.50	2.00	SP	6	26	22	19	15	10	6	5
H4-18	2.50	3.35	SP/TP	7	30	25	22	17	11	7	5
H4-18	2.50	3.35	SP/TP	8	36	30	27	19	13	9	6
H4-18	2.50	3.35	SP/TP	9	40	35	30	23	16	10	7
H4-18	2.50	3.35	SP/TP	10	44	39	33	26	18	11	8
H4-18	3.75	5.00	SP/TP	10	44	39	33	26	18	11	8



### Motor H4/G4 with Pump H4-A (Radial Flow) RPM: 2850 Apprx.

Borewell Size: 100mm (4") & Above, Outlet Size: 32mm & 38mm, 220 and 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		PHASE	STAGE	DISCHARGE IN LPM						
	KW	HP			30	40	50	60	70	80	85
					DELIVERY HEAD IN METERS						
H4-A	0.55	0.75	SP	7	35	33	30	27	23	18	16
H4-A	0.75	1.00	SP/TP	7	37	35	32	29	25	20	17
H4-A	0.75	1.00	SP/TP	10	52	50	46	41	35	28	25
H4-A	1.10	1.50	SP/TP	12	62	60	55	50	43	35	31
H4-A	1.10	1.50	SP/TP	15	78	74	69	62	54	44	39
H4-A	1.50	2.00	SP	18	93	89	82	75	64	53	47
H4-A	1.90	2.50	TP	18	93	89	82	75	64	53	47
H4-A	2.50	3.35	SP/TP	20	100	95	90	82	70	55	48
H4-A	2.50	3.35	SP/TP	22	108	103	98	90	78	63	56
H4-A	2.50	3.35	SP/TP	25	125	118	109	108	85	68	59
H4-A	2.50	3.35	SP/TP	30	149	144	134	120	103	85	75
H4-A	3.75	5.00	SP/TP	25	129	122	113	102	89	72	63
H4-A	3.75	5.00	SP/TP	30	153	148	138	124	107	89	79
H4-A	3.75	5.00	SP/TP	35	177	172	163	148	126	106	95

### Motor G4 / H4 with Pump H4-B (Radial Flow) RPM: 2850 Apprx.

Borewell Size: 100mm (4") & Above, Outlet Size: 32mm & 38mm, 220 and 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		PHASE	STAGE	DISCHARGE IN LPM							
	KW	HP			90	100	110	120	130	140	150	160
					DELIVERY HEAD IN METERS							
H4-B	0.75	1.00	SP/TP	5	26	25	24	22	19	17		
H4-B	1.10	1.50	SP/TP	7	37	35	33	31	28	26	24	20
H4-B	1.50	2.00	SP	9	50	47	45	42	39	33	30	24
H4-B	1.90	2.50	TP	10	55	52	50	46	43	37	33	27
H4-B	2.50	3.35	SP/TP	12	67	63	60	56	52	46	41	34
H4-B	2.50	3.35	SP/TP	15	82	78	75	69	63	58	51	43
H4-B	3.75	5.00	SP/TP	19	103	98	93	87	79	72	64	56
H4-B	3.75	5.00	SP/TP	22	121	116	111	102	94	85	74	65
H4-B	5.50	7.50	TP	25	137	131	123	116	105	96	86	75

### Motor G4 / H4 with Pump H4-D (Mix Flow) RPM: 2850 Apprx.

Borewell Size: 100mm (4") & Above, Outlet Size: 50mm (2") , 220 and 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		PHASE	STAGE	DISCHARGE IN LPM						
	KW	HP			165	200	250	300	350	365	400
					DELIVERY HEAD IN METERS						
H4-D	3.75	5.00	SP/TP	12	50	42	36	29	22	14	11
H4-D	3.75	5.00	SP/TP	13	55	46	40	31	24	16	12
H4-D	3.75	5.00	SP/TP	14	60	52	45	35	26	17	13
H4-D	5.50	7.50	TP	14	63	55	48	38	27	18	14
H4-D	5.50	7.50	TP	15	65	58	50	39	28	18	14

### Motor G4 / H4 with Pump H4-E (Mix Flow) RPM: 2850 Apprx.

Borewell Size: 113mm (4.5") & Above, Outlet Size: 50mm & 65mm, 220 & 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		PHASE	STAGE	DISCHARGE IN LPM							
	KW	HP			150	200	250	300	350	400	450	500
					DELIVERY HEAD IN METERS							
H4-E	2.50	3.35	SP/TP	6	38	34	30	26	23	20	17	12
H4-E	3.75	5.00	SP/TP	8	45	41	37	33	29	25	21	16
H4-E	3.75	5.00	SP/TP	10	55	50	45	40	35	30	25	20
H4-E	5.50	7.50	TP	10	56	51	47	42	37	32	26	21
H4-E	5.50	7.50	TP	12	63	58	54	48	43	37	30	24





### Motor G4 / H4 / F-5 with Pump HE-15 (Mix Flow) **RPM: 2850 Apprx.**

Borewell Size: 125mm (5") & Above, Outlet Size: 65mm & 75mm, 220 and 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		PHASE	STAGE	DISCHARGE IN LPM							
	KW	HP			325	375	425	475	525	575	625	675
					DELIVERY HEAD IN METERS							
HE-15	2.50	3.35	SP/TP	2	19	18	16	14	12	10	9	8
HE-15	2.50	3.35	SP/TP	3	26	25	23	21	19	16	13	11
HE-15	3.75	5.00	SP/TP	4	33	32	30	28	25	21	17	15
HE-15	3.75	5.00	SP/TP	5	41	39	36	33	30	25	21	18
HE-15	5.50	7.50	SP/TP	5	43	41	38	35	32	27	23	20
HE-15	5.50	7.50	SP/TP	6	51	49	46	42	37	32	27	24
HE-15	7.50	10.00	TP	7	60	58	54	49	44	37	31	28
HE-15	7.50	10.00	TP	8	67	65	61	56	50	43	33	31

### Motor F5 with Pump HE-45 (Mix Flow) **RPM: 2850 Apprx.**

Borewell Size: 125mm (5") & Above, Outlet Size: 75mm(3"), 220 and 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		PHASE	STAGE	DISCHARGE IN LPM						
	KW	HP			300	400	500	600	700	800	900
					DELIVERY HEAD IN METERS						
HE-45	2.20	3.00	SP/TP	2	18	17	16	15	13	11	10
HE-45	3.75	5.00	SP/TP	3	24	23	22	19	16	14	12
HE-45	5.50	7.50	SP/TP	4	31	30	29	26	24	22	17
HE-45	7.50	10.00	TP	5	40	39	37	34	31	27	22

### Motor V-6 Single Phase with Pump HTNK-50 (Radial Flow) **RPM: 2850 Apprx.**

Borewell Size: 150mm(6") & Above, Outlet Size: 50mm & 65mm, Voltage: 140 To 240 Volt at 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM				
	KW	HP		65	140	180	210	240
				DELIVERY HEAD IN METERS				
HTNK-50	1.50	2.0	5	45	40	35	30	25
HTNK-50	1.50	2.0	6	54	48	42	36	30
HTNK-50	2.20	3.0	8	72	64	56	48	40

### Motor V-6 Single Phase with Pump HTNK-60 (Radial Flow) **RPM: 2850 Apprx.**

Borewell Size: 150mm(6") & Above, Outlet Size: 50mm & 65mm, Voltage: 140 To 240 Volt at 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM				
	KW	HP		105	155	200	225	255
				DELIVERY HEAD IN METERS				
HTNK-60	1.50	2.0	4	36	32	28	24	20
HTNK-60	2.20	3.0	6	54	48	42	36	30

### Motor V-6 Single Phase with Pump HTNK-70 (Radial Flow) RPM: 2850 Apprx.

Borewell Size: 150mm(6") & Above, Outlet Size: 50mm & 65mm, Voltage: 140 To 240 Volt at 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM				
	KW	HP		150	200	240	285	310
				DELIVERY HEAD IN METERS				
HTNK-70	2.20	3.0	5	45	40	35	30	25

### Motor V-6 Single Phase with Pump HTNK-80 (Radial Flow) RPM: 2850 Apprx.

Borewell Size: 150mm(6") & Above, Outlet Size: 50mm & 65mm, Voltage: 140 To 240 Volt at 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM				
	KW	HP		200	245	290	320	350
				DELIVERY HEAD IN METERS				
HTNK-80	2.20	3.0	4	36	32	28	24	20

### Motor V-6 Two Phase with Pump HTNK-50 (Radial Flow) RPM: 2850 Apprx.

Borewell Size: 150mm(6") & Above, Outlet Size: 50mm & 65mm, Voltage: 220 to 400 Volt at 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM				
	KW	HP		65	140	180	210	240
				DELIVERY HEAD IN METERS				
HTNK-50	1.50	2.0	5	45	40	35	30	25
HTNK-50	1.50	2.0	6	54	48	42	36	30
HTNK-50	2.20	3.0	8	72	64	56	48	40

### Motor V-6 Two Phase with Pump HTNK-60 (Radial Flow) RPM: 2850 Apprx.

Borewell Size: 150mm(6") & Above, Outlet Size: 50mm & 65mm, Voltage: 220 to 400 Volt at 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM				
	KW	HP		150	200	240	285	310
				DELIVERY HEAD IN METERS				
HTNK-60	1.50	2.0	4	36	32	28	24	20
HTNK-60	2.20	3.0	6	54	48	42	36	30

### Motor V-6 Two Phase with Pump HTNK-70 (Radial Flow) RPM: 2850 Apprx.

Borewell Size: 150mm(6") & Above, Outlet Size: 50mm & 65mm, Voltage: 140 To 240 Volt at 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM				
	KW	HP		200	245	290	320	350
				DELIVERY HEAD IN METERS				
HTNK-70	2.20	3.0	5	45	40	35	30	25

### Motor V-6 Two Phase with Pump HTNK-80 (Radial Flow) RPM: 2850 Apprx.

Borewell Size: 150mm(6") & Above, Outlet Size: 50mm & 65mm, Voltage: 140 To 240 Volt at 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM				
	KW	HP		205	275	320	350	375
				DELIVERY HEAD IN METERS				
HTNK-80	2.20	3.0	4	36	32	28	24	20



### Motor H7 with Pump HT-40 (Radial Flow) **RPM: 2850 Apprx.**

Borewell Size: 150mm (6") & Above, Outlet Size: 50mm (2"), 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM					
	KW	HP		50	60	80	90	120	160
				DELIVERY HEAD IN METERS					
HT-40	2.20	3.0	8	120	112	104	96	67	11
HT-40	3.00	4.0	10	150	140	128	120	84	13
HT-40	3.75	5.0	12	180	168	154	144	101	16
HT-40	4.50	6.0	14	210	196	179	168	118	18
HT-40	4.50	6.0	15	225	210	192	180	126	20
HT-40	5.50	7.5	18	270	252	230	216	151	23
HT-40	5.50	7.5	20	300	280	256	240	168	26
HT-40	7.50	10.0	22	330	308	282	264	185	29
HT-40	7.50	10.0	25	375	350	320	300	210	33
HT-40	9.30	12.5	28	420	392	358	336	235	36
HT-40	9.30	12.5	30	450	420	384	360	252	39
HT-40	11.00	15.0	35	525	490	447	420	294	44
HT-40	11.00	15.0	36	540	504	460	432	302	46

### Motor H7 with Pump HT-50 (Radial Flow) **RPM: 2850 Apprx.**

Borewell Size: 150mm (6") & Above, Outlet Size: 50mm (2"), 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM					
				100	130	180	210	225	250
	KW	HP		DELIVERY HEAD IN METERS					
HT-50	2.20	3.0	6	55	52	48	45	41	35
HT-50	3.00	4.0	8	72	69	64	60	56	46
HT-50	3.75	5.0	10	88	85	80	75	70	55
HT-50	4.50	6.0	12	104	101	96	91	84	68
HT-50	5.50	7.5	14	120	117	112	107	99	79
HT-50	5.50	7.5	16	136	133	128	123	115	90
HT-50	7.50	10.0	18	151	148	144	139	130	105
HT-50	7.50	10.0	20	167	164	160	155	146	120
HT-50	9.30	12.5	22	183	180	176	171	162	136
HT-50	9.30	12.5	24	200	197	192	187	178	150
HT-50	11.00	15.0	26	218	214	208	202	192	162
HT-50	11.00	15.0	28	235	231	224	216	198	182
HT-50	13.00	17.5	30	252	248	240	232	214	195
HT-50	13.00	17.5	32	268	263	256	247	228	207
HT-50	15.00	20.0	36	301	296	288	278	256	232





### Motor H7 with Pump HT-66 (Radial Flow) RPM: 2850 Apprx.

Borewell Size: 150mm (6") & Above, Outlet Size: 50mm (2"), 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM					
				110	150	210	230	245	270
	KW	HP		DELIVERY HEAD IN METERS					
HT-66	2.20	3.00	5	50	45	40	35	30	25
HT-66	3.00	4.00	6	60	54	48	42	36	30
HT-66	3.75	5.00	8	80	72	64	56	48	40
HT-66	4.50	6.00	10	100	90	80	70	60	50
HT-66	5.50	7.50	12	120	108	96	84	72	60
HT-66	7.50	10.00	14	140	126	112	98	84	70
HT-66	7.50	10.00	15	150	135	120	105	90	75
HT-66	7.50	10.00	16	160	144	128	112	96	80
HT-66	9.30	12.50	20	200	180	160	140	120	100
HT-66	11.00	15.00	22	220	198	176	154	132	110
HT-66	11.00	15.00	24	240	216	192	168	144	120
HT-66	13.00	17.50	28	280	252	224	196	168	140
HT-66	15.00	20.00	32	320	288	256	224	192	160

### Motor H7 with Pump HT-70 (Radial Flow) RPM: 2850 Apprx.

Borewell Size: 150mm (6") & Above, Outlet Size: 50mm (2"), 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM						
	KW	HP		180	210	240	275	310	350	380
				DELIVERY HEAD IN METERS						
HT-70	3.75	5.00	6	60	54	48	42	36	30	24
HT-70	3.75	5.00	7	70	63	56	49	42	35	28
HT-70	4.50	6.00	8	80	72	64	56	48	40	32
HT-70	5.50	7.50	9	90	81	72	63	54	45	36
HT-70	5.50	7.50	10	100	90	80	70	60	50	40
HT-70	7.50	10.00	12	120	108	96	84	72	60	48
HT-70	7.50	10.00	13	130	117	104	91	78	65	52
HT-70	7.50	10.00	14	140	126	112	98	84	70	56
HT-70	7.50	10.00	15	150	135	120	105	90	75	60
HT-70	9.30	12.50	15	150	135	120	105	90	75	60
HT-70	9.30	12.50	16	160	144	128	112	96	80	64
HT-70	9.30	12.50	17	170	153	136	119	102	85	68
HT-70	9.30	12.50	18	180	162	144	126	108	90	72
HT-70	11.00	15.00	19	190	171	152	133	114	95	76
HT-70	11.00	15.00	20	200	180	160	140	120	100	80
HT-70	11.00	15.00	21	210	189	168	147	126	105	84
HT-70	11.00	15.00	22	220	198	176	154	132	110	88
HT-70	15.00	20.00	25	250	225	200	175	150	125	100

### Motor H7 with Pump HT-77 (Radial Flow) RPM: 2850 Apprx.

Borewell Size: 150mm (6") & Above, Outlet Size: 50mm (2"), 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM							
				190	210	230	260	290	320	350	390
	KW	HP		DELIVERY HEAD IN METERS							
HT-77	3.75	5.00	5	50	49	48	47	45	43	40	37
HT-77	5.50	7.50	7	71	70	69	67	64	61	57	52
HT-77	5.50	7.50	8	78	77	76	73	70	67	62	57
HT-77	7.50	10.00	10	101	100	99	96	92	88	82	76
HT-77	9.30	12.50	12	121	120	118	115	111	105	98	91
HT-77	11.00	15.00	15	150	148	145	142	134	128	119	110
HT-77	13.00	17.50	16	162	156	152	147	139	134	124	114
HT-77	13.00	17.50	17	172	166	162	157	149	145	135	125
HT-77	15.00	20.00	20	200	188	184	180	168	162	151	140
HT-77	18.65	25.00	25	240	231	224	218	212	198	187	176



## SPECIAL STAINLESS STEEL DIFFUSER & IMPELLER/ CAST IRON BOWL, NORYL DIFFUSER & IMPELLER

**Radial Flow - High Head (50 Feet Head / Stage)**

### Motor H-7 with Pump HTSH-50 (Radial Flow)

Borewell Size : 150mm(6") & Above, Outlet Size : 50mm(2") , Voltage : 415 Volt at 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM							
				50	80	100	120	130	150	170	190
	KW	HP		DELIVERY HEAD IN METERS							
HTSH-50	2.20	3.0	6	90	84	78	72	63	45	30	20
HTSH-50	3.00	4.0	8	120	112	104	96	84	60	40	26
HTSH-50	3.75	5.0	10	150	138	130	120	105	75	50	33
HTSH-50	4.50	6.0	12	180	166	156	144	126	90	60	40
HTSH-50	5.50	7.5	14	210	193	182	168	147	105	70	46
HTSH-50	5.50	7.5	15	225	207	195	180	158	113	75	50
HTSH-50	5.50	7.5	16	240	221	208	192	168	120	80	53
HTSH-50	7.50	10.0	18	270	248	234	216	189	135	90	59
HTSH-50	7.50	10.0	20	300	276	260	240	210	150	100	66
HTSH-50	9.30	12.5	25	375	345	325	300	262	188	125	83
HTSH-50	9.30	12.5	28	420	386	364	336	294	210	140	92
HTSH-50	11.00	15.0	30	450	414	390	360	315	225	150	99

### Motor H-7 with Pump HTSH-60 (Radial Flow)

Borewell Size : 150mm(6") & Above, Outlet Size : 50mm(2") , Voltage : 415 Volt at 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM							
				90	110	130	150	170	190	210	230
	KW	HP		DELIVERY HEAD IN METERS							
HTSH-60	2.20	3.0	4	60	56	52	48	40	36	28	17
HTSH-60	2.20	3.0	5	75	70	65	60	50	45	35	21
HTSH-60	3.00	4.0	6	90	84	78	72	60	54	42	25
HTSH-60	3.00	4.0	7	105	98	91	84	70	63	49	29
HTSH-60	3.75	5.0	8	120	112	104	96	80	72	56	34
HTSH-60	4.50	6.0	10	150	140	130	120	100	90	70	42
HTSH-60	5.50	7.5	12	180	168	156	144	120	108	84	50
HTSH-60	7.50	10.0	14	210	196	182	168	140	126	98	59
HTSH-60	7.50	10.0	15	225	210	195	180	150	135	105	63
HTSH-60	7.50	10.0	16	240	224	208	192	160	144	112	67
HTSH-60	9.30	12.5	18	270	252	234	216	180	162	126	76
HTSH-60	9.30	12.5	20	300	280	260	240	200	180	140	84
HTSH-60	11.00	15.0	22	330	308	286	264	220	198	154	92
HTSH-60	11.00	15.0	24	360	336	312	288	240	216	168	101
HTSH-60	13.00	17.5	28	420	392	364	336	280	252	196	118
HTSH-60	15.00	20.0	30	450	420	390	360	300	270	210	126

## SPECIAL STAINLESS STEEL DIFFUSER & IMPELLER/ CAST IRON BOWL, NORYL DIFFUSER & IMPELLER

**Radial Flow - High Head (50 Feet Head / Stage)**

### Motor H-7 with Pump HTSH-80 (Radial Flow)

Borewell Size : 150mm(6") & Above, Outlet Size : 50mm(2") , Voltage : 415 Volt at 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM							
				140	170	190	210	230	260	290	320
	KW	HP		DELIVERY HEAD IN METERS							
HTSH-80	2.20	3.0	4	60	56	52	48	40	36	28	20
HTSH-80	3.00	4.0	5	75	70	65	60	50	45	35	25
HTSH-80	3.75	5.0	6	90	84	78	72	60	54	42	30
HTSH-80	4.50	6.0	7	105	98	91	84	70	63	49	35
HTSH-80	4.50	6.0	8	120	112	104	96	80	72	56	40
HTSH-80	5.50	7.5	10	150	140	130	120	100	90	70	50
HTSH-80	7.50	10.0	12	180	168	156	144	120	108	84	60
HTSH-80	7.50	10.0	13	195	182	169	156	130	117	91	65
HTSH-80	9.30	12.5	15	225	210	195	180	150	135	105	75
HTSH-80	11.00	15.0	18	270	252	234	216	180	162	126	90
HTSH-80	11.00	15.0	20	300	280	260	240	200	180	140	100
HTSH-80	13.00	17.5	21	315	294	273	252	210	189	147	105
HTSH-80	13.00	17.5	22	330	308	286	264	220	198	154	110
HTSH-80	13.00	17.5	23	345	322	299	276	230	207	161	115
HTSH-80	15.00	20.0	24	360	336	312	288	240	216	168	120
HTSH-80	15.00	20.0	25	375	350	325	300	250	225	175	125
HTSH-80	18.65	25.0	30	450	420	390	360	300	270	210	150

### Motor H-7 with Pump HTSH-100 (Radial Flow)

Borewell Size : 150mm(6") & Above, Outlet Size : 50mm(2") , Voltage : 415 Volt at 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM							
	KW	HP		190	210	230	260	290	320	350	390
				DELIVERY HEAD IN METERS							
HTSH-100	2.20	3.0	3	45	42	39	36	33	30	27	21
HTSH-100	3.00	4.0	4	60	56	52	48	44	40	36	28
HTSH-100	3.75	5.0	5	75	70	65	60	55	50	45	35
HTSH-100	4.50	6.0	6	90	84	78	72	66	60	54	42
HTSH-100	5.00	7.5	7	105	98	91	84	77	70	63	49
HTSH-100	5.00	7.5	8	120	112	104	96	88	80	72	56
HTSH-100	7.50	10.0	10	150	140	130	120	110	100	90	70
HTSH-100	9.30	12.5	12	180	168	156	144	132	120	108	84
HTSH-100	11.00	15.0	15	225	210	195	180	165	150	135	105
HTSH-100	13.00	17.5	17	255	238	221	204	187	170	153	119
HTSH-100	13.00	17.5	18	270	252	234	216	198	180	162	126
HTSH-100	15.00	20.0	20	300	280	260	240	220	200	180	140
HTSH-100	18.65	25.0	24	360	336	312	288	264	240	216	168
HTSH-100	18.65	25.0	25	375	350	325	300	275	250	225	175
HTSH-100	22.38	30.0	28	420	392	364	336	308	280	252	196
HTSH-100	22.38	30.0	30	450	420	390	360	330	300	270	210





## SPECIAL STAINLESS STEEL DIFFUSER & IMPELLER/ CAST IRON BOWL, NORYL DIFFUSER & IMPELLER

**Radial Flow - High Head (50 Feet Head / Stage)**

### Motor H-7 with Pump HTSH-125 (Radial Flow)

Borewell Size : 150mm(6") & Above, Outlet Size : 50mm(2") , Voltage : 415 Volt at 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM							
				200	230	270	300	340	380	420	450
	KW	HP		DELIVERY HEAD IN METERS							
HTSH-125	2.20	3.0	2	30	28	26	24	22	19	15	10
HTSH-125	3.00	4.0	3	45	42	39	36	33	29	22.5	15
HTSH-125	3.75	5.0	4	60	56	52	48	44	38	30	20
HTSH-125	4.50	6.0	5	75	70	65	60	55	48	37.5	25
HTSH-125	5.50	7.5	6	90	84	78	72	66	57	45	30
HTSH-125	7.50	10.0	8	120	112	104	96	88	76	60	40
HTSH-125	9.30	12.5	10	150	140	130	120	110	95	75	50
HTSH-125	11.00	15.0	12	180	168	156	144	132	114	90	60
HTSH-125	13.00	17.5	14	210	196	182	168	154	133	105	70
HTSH-125	15.00	20.0	16	240	224	208	192	176	152	120	80
HTSH-125	18.65	25.0	20	300	280	260	240	220	190	150	100
HTSH-125	22.38	30.0	24	360	336	312	288	264	228	180	120

### Motor H-7 with Pump HTSH-150 (Radial Flow)

Borewell Size : 150mm(6") & Above, Outlet Size : 50mm(2") , Voltage : 415 Volt at 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM							
				250	290	330	370	410	450	490	530
	KW	HP		DELIVERY HEAD IN METERS							
HTSH-150	2.20	3.0	2	30	28	26	24	20	18	15	10
HTSH-150	3.75	5.0	3	45	42	39	36	30	27	23	15
HTSH-150	4.50	6.0	4	60	56	52	48	40	36	30	20
HTSH-150	5.50	7.5	5	75	70	65	60	50	45	38	25
HTSH-150	7.50	10.0	6	90	84	78	72	60	54	45	30
HTSH-150	7.50	10.0	7	105	98	91	84	70	63	53	35
HTSH-150	9.30	12.5	8	120	112	104	96	80	72	60	40
HTSH-150	11.00	15.0	10	150	140	130	120	100	90	75	50
HTSH-150	13.00	17.5	12	180	168	156	144	120	108	90	60
HTSH-150	15.00	20.0	13	195	182	169	156	130	117	98	65
HTSH-150	18.65	25.0	16	240	224	208	192	160	144	120	80
HTSH-150	22.38	30.0	20	300	280	260	240	200	180	150	100
HTSH-150	22.38	30.0	21	315	294	273	252	210	189	158	105



### Motor H7 with Pump HE-10 (Mix Flow) RPM: 2850 Apprx.

Borewell Size: 150mm (6") & Above, Outlet Size: 65 mm & 75mm, 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM							
	KW	HP		300	330	335	390	415	445	480	510
				DELIVERY HEAD IN METERS							
HE-10	2.20	3.00	3	26	25	24	22	21	19	17	15
HE-10	3.00	4.00	4	33	32	31	29	28	26	24	22
HE-10	3.75	5.00	5	41	40	39	37	38	36	34	32
HE-10	4.50	6.00	6	48	47	46	44	43	41	39	37
HE-10	5.50	7.50	7	57	56	55	53	52	50	48	46
HE-10	5.50	7.50	8	63	61	60	58	56	54	52	49
HE-10	7.50	10.00	10	80	78	76	74	71	68	65	62
HE-10	9.30	12.50	12	97	94	92	89	87	84	81	77
HE-10	11.00	15.00	15	122	120	117	113	109	105	101	95
HE-10	13.00	17.50	17	137	135	131	127	123	119	115	109
HE-10	15.00	20.0	19	150	148	144	140	136	132	128	121
HE-10	15.00	20.0	20	158	156	152	148	143	138	133	125
HE-10	18.65	25.0	25	201	197	191	185	179	173	166	156

### Motor H-7 with Pump HE-15 (Mix Flow) RPM: 2850 Apprx.

Borewell Size: 150mm (6") & Above, Outlet Size: 65 mm & 75mm, 415 Volt, 50 Hz..

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM							
				325	375	425	475	525	575	625	675
	KW	HP		DELIVERY HEAD IN METERS							
HE-15	2.20	3.00	2	21	20	18	16	14	11	8	7
HE-15	3.00	4.00	3	27	26	24	22	20	17	14	13
HE-15	3.75	5.00	3	29	28	26	24	22	19	16	15
HE-15	3.75	5.00	4	38	37	35	33	30	26	22	20
HE-15	5.50	7.50	5	48	46	43	40	37	32	28	25
HE-15	5.50	7.50	6	57	55	52	48	43	38	33	30
HE-15	7.50	10.00	7	67	65	61	56	51	44	38	35
HE-15	7.50	10.00	8	76	74	70	65	59	52	42	40
HE-15	9.30	12.50	9	88	84	79	73	66	58	50	45
HE-15	11.00	15.00	10	97	92	87	80	72	64	55	50
HE-15	11.00	15.00	11	105	101	96	89	81	71	61	55
HE-15	13.00	17.50	12	115	111	104	97	87	77	66	60
HE-15	13.00	17.50	13	124	120	113	105	95	84	72	65
HE-15	15.00	20.00	14	133	129	120	113	103	92	82	70
HE-15	15.00	20.00	15	142	138	128	121	112	105	94	86



### Motor H-7 with Pump HE-25 (Mix Flow) **RPM: 2850 Apprx.**

Borewell Size: 150mm (6") & Above, Outlet Size: 75 mm (3"), 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM						
	KW	HP		445	475	525	575	625	675	725
				DELIVERY HEAD IN METERS						
HE-25	3.75	5.00	3	24	23	22	20	19	17	15
HE-25	3.75	5.00	4	31	29	28	26	24	22	20
HE-25	5.50	7.50	4	33	31	30	28	26	24	21
HE-25	5.50	7.50	5	41	40	38	35	33	30	28
HE-25	7.50	10.00	6	50	47	45	42	39	35	32
HE-25	7.50	10.00	7	59	55	53	49	46	42	38
HE-25	9.30	12.50	8	67	63	60	57	53	49	44
HE-25	11.00	15.00	9	75	71	68	63	59	54	49
HE-25	11.00	15.00	10	83	80	75	71	66	61	55
HE-25	13.00	17.50	11	92	88	83	78	73	67	61
HE-25	15.00	20.00	12	101	97	92	87	81	75	70
HE-25	15.00	20.00	13	110	105	100	94	86	81	76
HE-25	18.65	25.00	14	118	113	108	102	94	89	84
HE-25	18.65	25.00	15	126	121	116	107	100	93	88

### Motor H-7 with Pump HE-45 (Mix Flow) **RPM: 2850 Apprx.**

Borewell Size: 150mm (6") & Above, Outlet Size: 75 mm (3"), 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM							
	KW	HP		600	700	800	900	1000	1100	1200	1300
				DELIVERY HEAD IN METERS							
HE-45	3.75	5.00	2	18	17	16	15	13	11	9	7
HE-45	3.75	5.00	4	28	26	24	22	20	18	15	12
HE-45	3.75	5.00	3	23	22	20	18	16	14	12	10
HE-45	5.50	7.50	3	28	26	24	22	20	17	14	11
HE-45	5.50	7.50	4	34	31	29	27	24	20	16	13
HE-45	5.50	7.50	5	36	34	31	29	26	23	19	14
HE-45	7.50	10.00	4	37	35	33	30	27	23	19	14
HE-45	7.50	10.00	5	42	40	37	33	30	25	20	16
HE-45	9.30	12.50	5	47	44	40	37	33	28	23	18
HE-45	9.30	12.50	6	51	48	44	40	36	32	26	21
HE-45	11.00	15.00	6	56	53	49	44	40	34	28	22
HE-45	11.00	15.00	7	61	57	52	47	42	36	30	23
He45	11.00	15.00	8	64	60	56	51	46	40	34	26
HE-45	13.00	17.50	7	65	61	57	52	47	40	33	25
HE-45	13.00	17.50	8	70	65	60	55	50	43	35	26
HE-45	13.00	17.50	9	73	68	63	58	53	46	38	29
HE-45	15.00	20.00	8	76	71	65	59	52	45	37	28
HE-45	15.00	20.00	9	82	76	70	64	58	52	43	31
HE-45	15.00	20.00	10	87	81	75	69	63	57	45	33
HE-45	18.65	25.00	10	91	86	80	72	64	58	46	34
HE-45	18.65	25.00	11	96	90	85	79	72	64	52	37
HE-45	18.65	25.00	12	101	95	89	83	75	68	56	40
HE-45	22.38	30.00	12	108	102	96	88	80	73	61	45
HE-45	22.38	30.00	13	112	106	100	92	84	77	65	48



## Motor H-7 with Pump HE-50A (Mix Flow) RPM: 2850 Apprx.

Borewell Size: 150mm (6") & Above, Outlet Size: 75 mm (3"), 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM						
	KW	HP		800	900	1000	1100	1200	1300	1400
				DELIVERY HEAD IN METERS						
HE-50A	5.50	7.50	3	26	24	22	20	16	12	8
HE-50A	5.50	7.50	4	30	28	26	24	20	16	12
HE-50A	7.50	10.00	3	31	29	27	24	20	16	12
HE-50A	7.50	10.00	4	34	32	30	26	22	18	14
HE-50A	9.30	12.50	4	37	34	32	28	24	19	15
HE-50A	11.00	15.00	5	49	47	45	41	35	30	24
HE-50A	13.00	17.50	6	58	54	50	44	41	34	28
HE-50A	15.00	20.00	6	61	57	54	48	45	38	32
HE-50A	15.00	20.00	7	63	59	56	50	44	38	32
HE-50A	18.65	25.00	7	70	66	61	55	49	43	35
HE-50A	18.65	25.00	8	74	69	64	58	52	46	39
HE-50A	22.38	30.00	8	75	70	65	59	53	47	40
HE-50A	22.38	30.00	9	82	77	72	66	60	54	46



## Motor H-7 with Pump HN-12 (Mix Flow) RPM: 2850 Apprx.

Borewell Size: 175mm (7") & Above, Outlet Size: 75mm & 100mm, 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM							
	KW	HP		600	800	1000	1100	1200	1300	1400	1500
				DELIVERY HEAD IN METERS							
HN-12	4.50	6.00	2	29	27	25	23	21	18	14	10
HN-12	5.50	7.50	3	34	32	30	28	25	22	18	14
HN-12	7.50	10.00	3	37	35	33	31	28	25	20	16
HN-12	7.50	10.00	4	41	39	37	33	30	26	21	17
HN-12	9.30	12.50	3	39	36	34	32	29	26	21	16
HN-12	9.30	12.50	4	46	43	39	35	31	27	23	19
HN-12	11.00	15.00	4	49	45	43	39	34	30	25	21
HN-12	11.00	15.00	5	54	50	48	44	39	35	30	26
HN-12	13.00	17.50	5	59	57	54	49	43	37	32	28
HN-12	13.00	17.50	6	64	60	56	51	46	43	37	29
HN-12	15.00	20.00	6	68	63	58	53	47	41	35	29
HN-12	15.00	20.00	7	73	67	62	57	52	46	39	31
HN-12	18.65	25.00	7	80	74	68	64	59	50	45	33
HN-12	22.38	30.00	8	92	86	80	75	70	62	56	43



### Motor H-7 with Pump HN-30 (Mix Flow) **RPM: 2850 Apprx.**

Borewell Size: 175mm (7") & Above, Outlet Size: 75 mm & 100 mm, 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM						
	KW	HP		700	850	1000	1100	1200	1300	1400
				DELIVERY HEAD IN METERS						
HN-30	4.50	6.00	2	21	20	18	15	13	10	8
HN-30	5.50	7.50	2	26	25	24	22	20	17	15
HN-30	5.50	7.50	3	32	29	26	24	22	17	15
HN-30	7.50	10.00	3	39	36	33	30	28	24	22
HN-30	9.30	12.50	3	44	42	39	37	35	31	28
HN-30	11.00	15.00	3	53	51	47	43	39	34	30
HN-30	11.00	15.00	4	58	54	49	45	41	34	30
HN-30	13.00	17.50	4	60	56	52	49	47	41	37
HN-30	15.00	20.00	5	74	70	65	62	59	51	46
HN-30	18.65	25.00	6	89	85	79	75	71	62	56

### Motor H-7 with Pump HN-33 (Mix Flow) **RPM: 2850 Apprx.**

Borewell Size: 175mm (7") & Above, Outlet Size: 75mm & 100mm, 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM					
				730	900	1050	1200	1350	1500
	KW	HP		DELIVERY HEAD IN METERS					
HN-33	5.50	7.50	1	19	18.5	17.5	16	14.5	13
HN-33	5.50	7.50	2	25	24.5	23.5	22	20.5	19
HN-33	7.50	10.00	2	31	30	29	27	23	20
HN-33	7.50	10.00	3	36	34	32	30	26	22
HN-33	9.30	12.50	2	33	32	31	29	26	22
HN-33	9.30	12.50	3	40	37	35	32	28	26
HN-33	11.00	15.00	2	38	37	35	33	29	25
HN-33	11.00	15.00	3	47	45	40	37	35	32
HN-33	13.00	17.50	3	52	50	48	43	39	34
HN-33	15.00	20.00	3	55	53	51	46	42	38
HN-33	15.00	20.00	4	61	58	55	50	45	41
HN-33	18.65	25.00	4	68	64	62	58	52	44
HN-33	18.65	25.00	5	72	68	65	61	54	46
HN-33	22.38	30.00	4	76	72	69	65	58	50
HN-33	22.38	30.00	5	82	77	73	68	60	52



### Motor H-7/ V-8/ E-8/ V-9 with Pump HN-22 (Mix Flow) RPM: 2850 Apprx.

Borewell Size: 200mm (8") & Above, Outlet Size: 75mm & 100mm, 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM						
	KW	HP		500	600	700	800	900	1000	1100
				DELIVERY HEAD IN METERS						
HN-22	7.50	10.00	2	43	40	37	34.5	32.5	30	26
HN-22	9.30	12.50	3	57	53	51	48	44	38	32
HN-22	11.00	15.00	3	62	60	57	54	50	44	37
HN-22	11.00	15.00	4	74	68	64	62	54	50	42
HN-22	13.00	17.50	4	80	74	70	68	59	54	45
HN-22	15.00	20.00	4	85	80	76	72	63	58	49
HN-22	15.00	20.00	5	93	88	84	80	69	64	54
HN-22	18.65	25.00	5	105	100	96	90	81	73	62
HN-22	18.65	25.00	6	111	106	102	96	87	79	68
HN-22	22.38	30.00	6	126	120	114	108	99	88	74
HN-22	22.38	30.00	7	134	128	122	116	107	96	82
HN-22	26.10	35.00	7	147	140	132	126	112	100	86
HN-22	30.00	40.00	8	168	160	152	144	132	120	102
HN-22	33.75	45.00	9	187	180	172	164	152	140	122
HN-22	37.50	50.00	10	205	198	190	180	170	150	142



### Motor V-8 / E-8 with Pump HN-33 (Mix Flow) RPM: 2850 Apprx.

Borewell Size: 200mm (8") & Above, Outlet Size: 75mm & 100mm, 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM					
				730	900	1050	1200	1350	1500
	KW	HP		DELIVERY HEAD IN METERS					
HN-33	7.50	10.00	2	31	30	29	27	23	20
HN-33	7.50	10.00	3	34	33	32	30	26	23
HN-33	9.30	12.50	2	33	32	31	29	26	22
HN-33	9.30	12.50	3	37	36	35	33	29	26
HN-33	11.00	15.00	2	38	37	35	33	29	25
HN-33	11.00	15.00	3	42	41	38	36	32	28
HN-33	15.00	20.00	3	55	53	51	46	42	38
HN-33	15.00	20.00	4	60	58	56	51	47	43
HN-33	18.65	25.00	4	67	60	57	55	50	45
HN-33	18.65	25.00	5	71	66	63	60	54	49
HN-33	22.38	30.00	4	77	74	70	65	58	51
HN-33	22.38	30.00	5	85	81	76	70	63	55
HN-33	22.38	30.00	6	93	88	82	75	67	58
HN-33	26.10	35.00	5	95	93	87	80	72	63
HN-33	26.10	35.00	7	107	103	97	90	81	71
HN-33	26.10	35.00	6	101	97	91	84	75	65
HN-33	30.00	40.00	6	114	110	104	96	86	75
HN-33	30.00	40.00	7	122	118	112	103	95	85
HN-33	33.75	45.00	7	128	123	121	102	92	85
HN-33	33.75	45.00	7	128	123	118	110	100	89
HN-33	33.75	45.00	8	135	130	124	116	106	94
HN-33	37.50	50.00	9	142	137	131	123	112	102



### Motor H-7/ V-8/ E-8/ V-9 with Pump HN-42 (Mix Flow) RPM: 2850 Apprx.

Borewell Size: 200mm (8") & Above, Outlet Size: 75, 100, 125 & 150mm, 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM							
	KW	HP		900	1100	1200	1300	1400	1500	1600	1800
				DELIVERY HEAD IN METERS							
HN-42	7.50	10.00	2	32	29	26	24	22	20	18	15
HN-42	7.50	10.00	3	34	31	28	26	24	21	19	15
HN-42	9.30	12.50	2	35	33	30	28	26	23	21	17
HN-42	9.30	12.50	3	38	35	32	29	27	24	21	17
HN-42	11.00	15.00	2	39	37	34	31	29	26	23	18
HN-42	11.00	15.00	3	42	40	37	34	30	27	23	18
HN-42	13.00	17.50	3	49	46	43	40	36	33	28	19
HN-42	15.00	20.00	3	54	51	49	47	44	40	31	20
HN-42	15.00	20.00	4	58	55	52	50	47	43	34	21
HN-42	18.65	25.00	4	66	62	58	54	50	45	40	26
HN-42	18.65	25.00	5	69	65	61	57	53	47	42	28
HN-42	22.38	30.00	4	76	72	68	63	58	52	46	35
HN-42	22.38	30.00	5	78	74	70	66	61	54	48	36
HN-42	26.10	35.00	5	82	79	75	71	67	60	54	43
HN-42	26.10	35.00	6	94	88	83	78	72	66	58	46
HN-42	30.00	40.00	6	106	100	95	90	85	80	70	55
HN-42	33.75	45.00	6	116	110	104	98	93	88	78	65
HN-42	37.50	50.00	7	128	121	114	108	102	96	86	73

### Motor H-7/ V-8/ E-8/ V-9 with Pump HN-44 (Mix Flow) RPM: 2850 Apprx.

Borewell Size: 200mm (8") & Above, Outlet Size: 75, 100, 125 & 150mm, 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM							
	KW	HP		1000	1200	1300	1400	1500	1600	1800	1900
				DELIVERY HEAD IN METERS							
HN-44	7.50	10.00	1	22	21	20	19	18	17	15	14
HN-44	7.50	10.00	2	26	24	23	22	21	20	19	17
HN-44	9.30	12.50	1	27	24	24	23	22	21	20	17
HN-44	9.30	12.50	2	33	30	28	27	26	23	20	
HN-44	11.00	15.00	2	36	35	34	32	30	28	24	22
HN-44	11.00	15.00	3	40	37	35	34	32	30	28	26
HN-44	13.00	17.50	2	39	38	36	35	31	32	28	23
HN-44	13.00	17.50	3	43	40	38	37	35	33	31	28
HN-44	15.00	20.00	2	44	42	41	40	38	37	33	29
HN-44	15.00	20.00	3	50	47	45	43	40	35	30	27
HN-44	15.00	20.0	4	56	53	50	47	44	39	34	31
HN-44	18.65	25.00	3	59	55	52	49	46	44	38	34
HN-44	18.65	25.00	4	66	60	56	54	52	46	40	
HN-44	18.65	25.00	5	67	62	58	57	53	50	47	43
HN-44	22.38	30.00	3	66	63	62	59	57	55	51	42
HN-44	22.38	30.00	4	72	70	67	64	60	56	47	43
HN-44	22.38	30.00	5	76	74	70	67	63	59	53	48
HN-44	26.10	35.00	4	77	75	73	70	67	64	58	50
HN-44	26.10	35.00	5	89	84	81	78	75	68	64	55
HN-44	30.00	40.00	4	86	84	81	78	76	71	64	57
HN-44	30.00	40.00	5	96	94	90	88	84	79	70	63
HN-44	30.00	40.00	6	98	96	93	90	87	85	77	68
HN-44	33.75	45.00	5	99	96	93	90	86	81	73	65
HN-44	33.75	45.00	6	107	104	100	96	92	87	79	71
HN-44	37.50	50.00	5	104	101	97	93	89	84	76	68
HN-44	37.50	50.00	6	112	109	104	99	95	90	82	74
HN-44	37.50	50.00	7	119	115	110	105	101	96	88	80



**Motor V-8 / E-8 with Pump HT-88 (Radial Flow) RPM: 2850 Apprx.**  
Borewell Size: 200mm (8") & Above, Outlet Size: 75mm(3") , 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM							
				200	250	300	350	400	450	500	550
	KW	HP		DELIVERY HEAD IN METERS							
HT-88	7.50	10.00	4	90	85	80	75	70	65	60	55
HT-88	9.30	12.50	5	106	101	96	90	85	80	75	65
HT-88	11.00	15.00	6	123	118	113	107	102	95	85	78
HT-88	13.00	17.50	7	142	137	132	126	120	110	100	90
HT-88	15.00	20.00	8	160	155	150	145	140	130	120	110
HT-88	18.65	25.00	10	196	191	186	181	176	170	165	155
HT-88	22.38	30.00	12	230	225	220	215	210	205	200	190
HT-88	26.10	35.00	14	270	264	258	252	247	241	235	225
HT-88	30.00	40.00	16	305	300	294	288	282	276	270	258

**Motor V-8 / E-8 with Pump HT-90 (Radial Flow) RPM: 2850 Apprx.**  
Borewell Size: 200mm (8") & Above, Outlet Size: 75mm(3") , 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM							
				250	300	350	400	450	500	600	700
	KW	HP		DELIVERY HEAD IN METERS							
HT-90	7.50	10.00	3	72	67	62	57	53	50	46	40
HT-90	9.30	12.50	4	90	85	80	75	71	66	62	50
HT-90	11.00	15.00	5	107	102	97	92	88	82	77	62
HT-90	13.00	17.50	6	125	120	115	110	105	100	90	73
HT-90	15.00	20.00	7	142	137	132	127	122	115	105	85
HT-90	18.65	25.00	8	160	155	150	143	140	136	125	100
HT-90	22.38	30.00	10	200	192	185	180	175	168	155	125
HT-90	26.10	35.00	12	231	226	221	216	211	206	200	190
HT-90	30.00	40.00	14	269	263	257	252	247	242	237	225

**Motor V-8 / E-8 with Pump HT-96 (Radial Flow) RPM: 2850 Apprx.**  
Borewell Size: 200mm (8") & Above, Outlet Size: 75mm(3") , 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM							
				450	500	550	600	650	700	850	900
	KW	HP		DELIVERY HEAD IN METERS							
HT-96	9.30	12.50	3	55	54	53	52	50	48	39	35
HT-96	11.00	15.00	4	72	71	70	69	66	64	52	46
HT-96	15.00	20.00	5	90	88	87	86	83	80	65	58
HT-96	15.00	20.00	6	90	91	92	93	90	87	72	65
HT-96	18.65	25.00	6	107	106	104	103	99	96	78	69
HT-96	18.65	25.00	7	114	112	111	110	105	101	81	71
HT-96	22.38	30.00	7	125	123	122	121	116	112	91	81
HT-96	22.38	30.00	8	132	130	128	127	121	117	95	83
HT-96	26.10	35.00	8	143	141	139	138	132	128	104	92
HT-96	26.10	35.00	9	161	158	157	156	149	144	117	104
HT-96	30.00	40.00	10	179	176	174	170	165	160	130	115

**Motor V-8 / E-8 with Pump HT-98 (Radial Flow) RPM: 2850 Apprx.**  
Borewell Size: 200mm (8") & Above, Outlet Size: 75mm(3") , 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM							
				550	600	650	700	850	900	1000	1050
	KW	HP		DELIVERY HEAD IN METERS							
HT-98	7.50	10.00	2	41	40	39	38	36	35	32	31
HT-98	11.00	15.00	3	60	59	58	57	54	53	48	47
HT-98	15.00	20.00	4	79	78	77	76	72	70	64	62
HT-98	18.65	25.00	5	99	98	97	95	90	88	80	78
HT-98	22.38	30.00	6	118	117	116	114	108	105	96	93
HT-98	26.10	35.00	7	138	137	135	133	126	123	112	107
HT-98	30.00	40.00	8	157	156	154	152	144	140	128	124



### Motor V-8 / E-8 / V-9 with Pump HN-66A (Mix Flow) **RPM: 2850 Apprx.**

Borewell Size: 200mm (8") & Above, Outlet Size: 100, 125 & 150mm, 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM							
				1500	1650	1800	2000	2200	2400	2600	2800
	KW	HP		DELIVERY HEAD IN METERS							
HN-66A	11.00	15.00	1	26	25.5	24.5	23	21.5	19	17	15
HN-66A	15.00	20.00	2	35	34	32	29	26	22	20	18
HN-66A	18.65	25.00	2	43	42	40	37	34	30	26	21
HN-66A	22.38	30.00	2	53	52	50	47	43.5	39.5	33	28
HN-66A	22.38	30.00	3	58	57	55	52	49	44	37	31
HN-66A	26.10	35.00	3	64	63	60	56	52	47	39	33
HN-66A	30.00	40.00	3	70	68	65	61	56	50	41	34
HN-66A	33.75	45.00	3	77	75	72	68	62	56	50	44
HN-66A	37.50	50.00	4	85	83	79	74	68	62	56	48
HN-66A	45.00	60.00	4	103	100	97	90	82	74	67	58

### Motor V-8 / E-8 / V-9 with Pump HN-66B (Mix Flow) **RPM: 2850 Apprx.**

Borewell Size : 200mm(8") & Above, Outlet Size: 100, 125 & 150mm , 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM							
				2000	2200	2400	2600	2800	3000	3200	3400
	KW	HP		DELIVERY HEAD IN METERS							
HN-66B	15.00	20.00	1	21.5	21	20.5	19.5	18	17	16	15
HN-66B	18.65	25.00	2	29	28	27.5	27	26	25	24	23
HN-66B	22.38	30.00	2	32	31	30	29.5	29	28	27	26
HN-66B	26.10	35.00	2	40	39	38	36	34	32	30	28
HN-66B	30.00	40.00	2	43	42	41	39	37	35	33	31
HN-66B	30.00	40.00	3	48	47	46	44	42	40	38	35
HN-66B	33.75	45.00	3	51	50	49	47	45	43	41	38
HN-66B	37.50	50.00	3	59	58	57	55	52	50	48	44
HN-66B	45.00	60.00	3	64	63	61	58	55	53	50	46



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### Motor V-9 / V-10 with Pump HN-66A (Mix Flow) RPM: 2850 Apprx.

Borewell Size: 200mm (8") for V-9, 250 mm (12") for V-10, Outlet Size: 100, 125 & 150mm, 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM						
	KW	HP		1160	1330	1500	1660	2000	2330	2660
				DELIVERY HEAD IN METERS						
HN-66A	39.00	52.00	3	83	81	80	77	72	62	48.5
HN-66A	46.50	62.00	4	110	108	107	103	96	83	65
HN-66A	55.95	75.00	5	138	135	133	129	120	103	82.5

### Motor V-9 / V-10 with Pump HN-66B (Mix Flow) RPM: 2850 Apprx.

Borewell Size: 200m for V-9 & 250 mm (10") for V-10, Outlet Size: 100, 125, 150mm, 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM						
				1660	2000	2330	2660	3000	3330	3660
	KW	HP		DELIVERY HEAD IN METERS						
HN-66B	30.75	41.00	2	46	43	42	40	37	33	28
HN-66B	46.50	62.00	3	69	65	63	60	55	49	42
HN-66B	55.95	75.00	4	92	87	84	80	74	65	56

### Motor V-10 with Pump HN-88 (Mix Flow) RPM: 2850 Apprx.

Borewell Size: 250 mm(10") , Outlet Size: 150, 200mm, 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM					
	KW	HP		2000	2330	2660	3000	3330	3660
				DELIVERY HEAD IN METERS					
HN-88	30.75	41.00	1	33	32	31	30	28	26
HN-88	55.95	75.00	2	66	64	62	60	56	52

### Motor V-10 with Pump HN-99 (Mix Flow) RPM: 2850 Apprx.

Borewell Size: 300mm (12"), Outlet Size: 150, 200mm, 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM							
	KW	HP		2000	2330	2660	3000	3330	3660	4000	4660
				DELIVERY HEAD IN METERS							
HN-99	37.50	50.00	1	43	41	40	39	38	35	33	30
HN-99	63.75	85.00	2	85	82	80	76	73	67	62	56

### Motor V-10 with Pump HN-100 (Mix Flow) RPM: 2850 Apprx.

Borewell Size: 300 mm (12"), Outlet Size: 150, 200mm, 415 Volt, 50 Hz.

PUMP MODEL	MOTOR		STAGE	DISCHARGE IN LPM						
	KW	HP		3330	3660	4000	4660	5000	5830	6660
				DELIVERY HEAD IN METERS						
HN-100	63.75	85.00	1	43	42	41	40	39	37	32



**Mono Submersible HMS-6 (Single Phase) RPM: 2900 Apprx.**

MOTOR	MOTOR RATING		PIPE SIZE (mm)		DELIVERY HEAD IN METERS																					
					Meters																					
	KW	HP	SUC.	DEL.	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
HMS-6	2.20	3.00	65	50							610	565	510	445	375	240	165									
HMS-6	2.20	3.00	65	65			825	745	660	565	465	325	130													
HMS-6	2.20	3.00	100	75	1395	1175	900	540																		
HMS-6 (H)	3.75	5.00	65	50								620	610	595	588	580	565	550	520	475	420	355				
HMS-6	3.75	5.00	65	50								1026	975	905	810	655	230									
HMS-6	3.75	5.00	65	65							910	860	795	710	585	420	215									
HMS-6	3.75	5.00	75	65						1285	1210	1135	1050	870	510											
HMS-6	3.75	5.00	75	75			1295	1185	1060	910	720	445														
HMS-6	3.75	5.00	100	75		1850	1690	1515	1320	1080	755															

**Mono Submersible HMS-6 (Three Phase) RPM: 2900 Apprx.**

MOTOR	MOTOR RATING		PIPE SIZE (mm)		Meters	DELIVERY HEAD IN METERS																					
	KW	HP	SUC.	DEL.		6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
HMS-6	2.20	3.00	65	50							610	565	510	445	375	240	165										
HMS-6	2.20	3.00	65	65			825	745	660	565	465	325	130														
HMS-6	2.20	3.00	100	75	1395	1175	900	540																			
HMS-6 (H)	3.75	5.00	65	50								620	610	595	588	580	565	550	520	475	420	355					
HMS-6	3.75	5.00	65	50								1026	975	905	810	655	230										
HMS-6	3.75	5.00	65	65							910	860	795	710	585	420	215										
HMS-6	3.75	5.00	75	65							1285	1210	1135	1050	870	510											
HMS-6	3.75	5.00	75	75			1295	1185	1060	910	720	445															
HMS-6	3.75	5.00	100	75		1850	1690	1515	1320	1080	755																
HMS-6 (H)	5.50	7.50	65	50												822	805	780	750	715	670	630	575	510	440	355	240
HMS-6	5.50	7.50	65	50												1122	1080	1015	995	935	860	740	325				
HMS-6	5.50	7.50	65	65								1085	1060	1025	985	935	870	780	655	480	265						
HMS-6	5.50	7.50	100	75				1865	1735	1595	1440	1260	1020	710													

**HMS-6:** Hindustan Mono Submersible V-6, **H:** High Head



## Mono Submersible HMS-8 (Three Phase) **RPM: 2900 Apprx.**

MOTOR	MOTOR RATING		PIPE SIZE (mm)		Meters	DELIVERY HEAD IN METERS																		
						DISCHARGE IN LPM																		
	KW	HP	SUC.	DEL.		8	10	12	14	16	18	20	22	24	26	28	30	32	36	40	44			
HMS-8	2.20	3.00	75	75	1650		1320	1200	1050	870	720													
HMS-8	3.75	5.00	75	75					1350	1230	1080	900												
HMS-8	3.75	5.00	100	100			1560	1450	1325	1200	975													
HMS-8	5.50	7.50	75	75	1680						1320	1250	1170	1080	870									
HMS-8	5.50	7.50	100	100				1580	1500	1400	1250	1050												
HMS-8	5.50	7.50	125	125				2700	2400	2050	1400													
HMS-8	7.50	10.00	75	75									1320	1270	1200	1130	1050	900						
HMS-8	7.50	10.00	100	100				2600	2280	1950	1440	1000												
HMS-8	7.50	10.00	125	125					2750	2480	2120	1550												
HMS-8	9.30	12.50	75	75											1300	1240	1180	1110	1020	870				
HMS-8	9.30	12.50	100	100				2700	2350	2100	1680	1250												
HMS-8	9.30	12.50	125	125					3000	2650	2230	1820	1350											
HMS-8	11.00	15.00	75	75													1320	1260	1170	1080	900			
HMS-8	11.00	15.00	100	100					2500	2250	2150	2000	1850	1650	1500	1330	1120							
\HMS-8	11.00	15.00	125	125						2750	2550	2130	1720	1320										
HMS-8	13.00	17.50	100	100						2550	2300	2200	2050	1900	1700	1550	1350	1200						
HMS-8	13.00	17.50	125	125							2800	2650	2250	1850	1370									
HMS-8	15.00	20.00	125	125										3000	2550	2150	1750	1300						
HMS-8	18.65	25.00	125	125										3300	2800	2400	2000	1550						

**HMS-8:** Hindustan Mono Submersible V-8



Please select pumpset in the range of discharge shown in highlighted boxes.

**Open Well Submersible HOS-5 (Single Phase/Three Phase) RPM: 2900 Apprx.**

MOTOR	MOTOR RATING		PIPE SIZE (mm)		Meters	DELIVERY HEAD IN METERS																			
	KW	HP	SUC.	DEL.		4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42
HOS-5	0.37	0.50	25	25	DISCHARGE IN LPM		190	170	160	135	110	80													
HOS-5 (H)	0.37	0.50	40	40			320	275	225	170	100														
HOS-5	0.37	0.50	40	40			275	235	195	125	50														
HOS-5 (H)	0.75	1.00	25	25						190	175	160	145	130	110	85									
HOS-5	0.75	1.00	25	25				260	245	230	210	170	140	110											
HOS-5	0.75	1.00	40	40			335	310	275	255	235	205	165	120	60										
HOS-5	0.75	1.00	50	40				400	360	280	170														
HOS-5	0.75	1.00	50	50				420	365	275															
HOS-5	1.10	1.50	25	25						210	200	190	180	165	155	145	125	110	90	60					
HOS-5	1.10	1.50	40	40					450	405	370	325	270	210	125										
HOS-5	1.10	1.50	50	40					430	390	345	300	250	175											
HOS-5	1.10	1.50	50	50					420	380	340	290	245	180											
HOS-5	1.50	2.00	25	25									195	190	185	180	175	170	150	140	125	110	90	60	
HOS-5 (H)	1.50	2.00	50	40								380	360	340	320	305	285	265	230	195	150	100			
HOS-5	1.50	2.00	50	40						450	425	400	355	315	260	210	110								
HOS-5	1.50	2.00	50	50						455	430	400	360	320	270	215	115								
HOS-5 (H)	1.50	2.00	65	50						465	440	410	380	350	305	265	220	150							
HOS-5	1.50	2.00	65	50					430	390	350	300	250	180	100										
HOS-5	1.50	2.00	75	65			1000	920	830	720	610	455	195												
HOS-5	1.50	2.00	75	75				925	835	725	615	475	215												

**HOS-5:** Hindustan Open well Submersible V-5, **H:** High Head

## Open Well Submersible HOS-6 (Single Phase) **RPM: 2900 Apprx.**

MOTOR	MOTOR RATING		PIPE SIZE (mm)		DELIVERY HEAD IN METERS																					
					Meters																					
	KW	HP	SUC.	DEL.	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
HOS-6 (H)	2.20	3.00	50	40							340	335	325	315	300	285	275	255	235	215	185	150	105			
HOS-6	2.20	3.00	50	40					350	340	335	330	320	310	305	275	260	245	225	200	155					
HOS-6	2.20	3.00	50	50							310	300	280	265	250	225	205	175	145	120	75					
HOS-6	2.20	3.00	65	50					540	490	455	415	375	330	265	200	115									
HOS-6	2.20	3.00	75	65		885	805	730	645	545	435	305														
HOS-6	2.20	3.00	75	75		960	885	815	730	630	535	410	285													
HOS-6	3.75	5.00	50	40													480	465	440	410	405	370	340	305	260	195
HOS-6	3.75	5.00	50	50											520	495	470	455	430	415	380	355	320	300	265	210
HOS-6 (H)	3.75	5.00	65	50								580	575	570	550	520	495	460	430	390	340	295	225	150		
HOS-6	3.75	5.00	65	50								670	625	565	505	440	330	160								
HOS-6	3.75	5.00	75	65					995	960	885	780	685	615	480	320	130									
HOS-6	3.75	5.00	75	75				1020	975	915	840	755	675	585	455	325										

HOS-6: Hindustan Open Well Submersible V-6, H: High Head



Please select pumpset in the range of discharge shown in highlighted boxes.



**Open Well Submersible HOS-6 (Three Phase) RPM: 2900 Apprx.**

MOTOR	MOTOR RATING		PIPE SIZE (mm)		Meters	DELIVERY HEAD IN METERS																											
	KW	HP	SUC.	DEL.		DISCHARGE IN LPM																											
						6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
HOS-6 (H)	2.20	3.00	50	40								340	335	325	315	310	285	275	255	235	215	185	150	105									
HOS-6	2.20	3.00	50	40						350	340	335	330	320	310	305	275	260	245	225	200	155											
HOS-6	2.20	3.00	50	50								310	300	280	265	250	225	205	175	145	120	75											
HOS-6	2.20	3.00	65	50						540	490	455	415	375	330	265	200	115															
HOS-6	2.20	3.00	75	65			885	805	730	645	545	435	305																				
HOS-6	2.20	3.00	75	75			960	895	815	730	630	535	410	285																			
HOS-6	3.75	5.00	50	40														480	465	440	410	405	370	340	305	260	195	120	60				
HOS-6	3.75	5.00	50	50												520	495	470	455	430	415	380	355	320	300	255	190	100					
HOS-6 (H)	3.75	5.00	65	50									580	575	570	550	520	495	460	430	390	340	295	225	150								
HOS-6	3.75	5.00	65	50									670	625	565	505	440	330	160														
HOS-6	3.75	5.00	75	65						995	960	885	780	685	615	480	320	130															
HOS-6	3.75	5.00	75	75						1020	975	915	840	755	675	585	455	325															
HOS-6	3.75	5.00	100	75			1430	1340	1235	1100	940	690	360																				
HOS-6	3.75	5.00	100	100			1460	1370	1265	1135	950	730	380																				
HOS-6	4.80	6.50	65	50												655	620	580	535	490	440	395	340	280	215	120							
HOS-6	4.80	6.50	75	65						1120	1090	1045	975	880	805	750	640	550	420	175													
HOS-6	5.50	7.50	50	40																													
HOS-6 (H)	5.50	7.50	65	50												710	680	650	625	585	540	505	475	415	375	310	250	155	465	420	345	245	105
HOS-6	5.50	7.50	65	50										680	660	625	590	555	515	470	430	380	320	245									
HOS-6 (H)	5.50	7.50	75	65									1060	995	945	865	810	720	630	545	390												
HOS-6	5.50	7.50	75	65						1110	1050	980	920	845	770	700	620	500	350														
HOS-6	5.50	7.50	75	75							1045	995	960	895	835	780	710	630	530	430													
HOS-6	5.50	7.50	100	75						1620	1525	1415	1260	1095	855	610																	
HOS-6	5.50	7.50	100	100						1675	1580	1470	1345	1165	975	725																	

**HOS-6:** Hindustan Open Well Submersible V-6, **H:** High Head



# HORIZONTAL OPENWELL SUBMERSIBLE PUMPS

## Open Well Submersible HOS-8 (Three Phase) **RPM: 2900 Apprx.**

MOTOR	MOTOR RATING		PIPE SIZE (mm)		Meters	DELIVERY HEAD IN METERS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	KW	HP	SUC.	DEL.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
HOS8 (HH)	2.20	3.00	50	40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

**HOS-8:** Hindustan Open Well Submersible V-8, **H:** High Head

Please select pumpset in the range of discharge shown in highlighted boxes.

**Open Well Submersible HOS-8 (Three Phase) RPM: 2900 Apprx.**

MOTOR	MOTOR RATING		PIPE SIZE (mm)		Meters	DELIVERY HEAD IN METERS																	
	KW	HP	SUC.	DEL.		10	14	18	22	26	30	34	38	42	46	50	54	58	62	66	68	72	
HOS-8	9.30	12.50	65	50								790	710	600	460	350							
HOS-8	9.30	12.50	65	65						940	920	860	750	600	420	330							
HOS-8	9.30	12.50	75	65						1370	1280	1170	900	800									
HOS-8	9.30	12.50	75	75				1590	1545	1445	1180	790											
HOS-8	9.30	12.50	100	75				1675	1565	1430	1245												
HOS-8	9.30	12.50	100	100				1690	1600	1365	1200	795											
HOS-8	9.30	12.50	125	125	3290	2900	1745																
HOS-8	11.00	15.00	65	50										595	545	480	395	300	215				
HOS-8	11.00	15.00	65	65									845	705	460	375							
HOS-8	11.00	15.00	75	75					1600	1345	1175	955	795										
HOS-8	11.00	15.00	100	75					1545	1450	1200	755											
HOS-8	11.00	15.00	100	100				1995	1800	1500	1275	955											
HOS-8	11.00	15.00	125	125	3550	3045	2000								1200	1100	995	875	750	665			
HOS-8	15.00	20.00	65	65										1595	1460	1295	1100	825					
HOS-8	15.00	20.00	75	75									995										
HOS-8	15.00	20.00	100	100					2400	2295	1860	1645											
HOS-8	15.00	20.00	125	125		3545	3200	2695	2090	895													
HOS-8	18.65	25.00	75	75											1545	1400	1215	1100	945				
HOS-8	18.65	25.00	100	100						2045	1900	1745	1400	1075	765								
HOS-8	18.65	25.00	125	125			3870	3525	3075	2650	1885												
HOS-8	22.38	30.00	75	75															1610	1445	1345	1145	
HOS-8	22.38	30.00	100	100							2750	2395	3195	2045	1660	1495							
HOS-8	22.38	30.00	125	125					3200	3045	2800	2495	1990										
HOS-8	22.38	30.00	150	150		5175	4545	4025	3140	2500	2375												

**HOS-8:** Hindustan Open Well Submersible V-8

Open Well Submersible Vertical HOSV-8 (Three Phase) **RPM: 2900 Apprx.**

MODEL	MOTOR RATING		STAGE	DELIVERY SIZE IN (mm)	Meters	DELIVERY HEAD IN METERS										
	KW	HP				26	28	30	34	38	40	44	48	52	56	60
HOSV-8	5.50	7.50	1	75		920	850	750	410							
HOSV-8	5.50	7.50	2	65		780	760	750	640	500	380					
HOSV-8	5.50	7.50	3	65				800	750	680	610	530	450	350	250	150
HOSV-8	7.50	10.00	2	65						770	730	620	500			
HOSV-8	7.50	10.00	3	65					820	780	750	680	600	500	400	250
HOSV-8	7.50	10.00	4	65						830	810	780	730	690	620	560
															470	410
															300	200
																80

Open Well Submersible Vertical HOSV-6 (Three Phase) **RPM: 2900 Apprx.**

MODEL	MOTOR RATING		STAGE	DELIVERY SIZE IN (mm)	DISCHARGE IN LPM					
	KW	HP			DELIVERY HEAD IN METERS					
					26	28	30	34	38	
HOSV-6	0.75	1.00	4	25	16	20	24	28	32	

Open Well Submersible Vertical HOSV-6 (Three Phase) **RPM: 2900 Apprx.**

MODEL	MOTOR RATING		STAGE	DELIVERY SIZE IN (mm)	DISCHARGE IN LPM							
	KW	HP			DELIVERY HEAD IN METERS							
					250	230	210	185	165	145	110	50
HOSV-6	2.20	3.00	5	50	15	25	35	45	55	60	70	75
HOSV-6	3.75	5.00	8	50	21	35	49	63	77	84	98	105



## Open Well Submersible Vertical HOSV-6 (Three Phase) **RPM: 2900 Apprx.**

MODEL	MOTOR RATING		STAGE	DELIVERY SIZE IN (mm)	DISCHARGE IN LPM							
	KW	HP			345	320	285	270	240	205	155	60
					DELIVERY HEAD IN METERS							
HOSV-6	1.50	2.00	3	50	9	15	21	27	33	36	42	45
HOSV-6	2.20	3.00	4	50	12	20	28	36	44	48	56	60
HOSV-6	3.75	5.00	6	50	18	30	42	54	66	72	84	90

## Open Well Submersible Vertical HOSV-6 (Three Phase) **RPM: 2900 Apprx.**

MODEL	MOTOR RATING		STAGE	DELIVERY SIZE IN (mm)	DISCHARGE IN LPM							
	KW	HP			420	395	360	325	280	255		
											DELIVERY HEAD IN METERS	
HOSV-6	1.50	2.00	2	50	6	10	14	18	2	22	42	830
HOSV-6	2.20	3.00	3	50	9	15	21	27	33	36	42	45
HOSV-6	3.75	5.00	5	50	12	20	28	36	44	48	56	60

## Open Well Submersible Vertical HOSV-6 (Three Phase) **RPM: 2900 Apprx.**

MODEL	MOTOR RATING		STAGE	DELIVERY SIZE IN (mm)	DISCHARGE IN LPM							
	KW	HP			DELIVERY HEAD IN METERS							
					525	490	440	415	360	330	250	100
HOSV-6	2.20	3.00	2	50	6	10	14	18	22	24	28	30
HOSV-6	3.75	5.00	4	50	9	20	28	36	44	48	56	60

## Open Well Submersible Vertical HOSV-6 (Three Phase) **RPM: 2900 Apprx.**

MODEL	MOTOR RATING		STAGE	DELIVERY SIZE IN (mm)	DISCHARGE IN LPM							
	KW	HP			DELIVERY HEAD IN METERS							
					625	600	575	500	460	410	320	230
HOSV-6	3.75	5.00	3	50	9	15	21	27	33	36	42	48

Please select pumpset in the range of discharge shown in highlighted boxes.



### CONVERSION FACTORS

1 Imp Gallon	1,201 U.S. Gallon – 4545 Liters
1 Imp G.P.H.	0757 L.P.M.
1 Imp G.P.H.	001262 L.P.S.
1 Imp L.P.M.	13.2 Imp G.P.H.
Cu ft	28.32 Liters
Cu mt	1000 Liters
Cu m per second	60000 L.P.M.
L.P.M.	0.1667 x 10 – 4 Cu M. per Sec.
Acre inch per hour	1705 L.P.M. Cuses (Nearly)
Atmosphere (at sea level)	1.033 Kg. per sq cm 14.7 L.BS. per sq in
1 Kg. per sq cm	10.34 Meters of water 2.31 ft head of water
1 Kg. per sq cm	0.0703 Kg. per sq cm
1 Meter – 3.28 feet	0.3048 meter
1 Kg. per sq cm	14.22 Lbs per sq inch
1 inch of mercury	0.3456 meter of water
1 mm of mercury	0.0136 meter of water
1 Kg.	2.2046 Lbs
1 H.P.	0.746 Kilo Watts 746 watts
1 H.P. (Metric)	0.736 Kilo Watts 736 watts
1 Acre Feet	1233.5 Cu mm

A TABLE OF FRICTION HEAD LOSS IN C.I. AND WATER PIPE  
SIZE OF PIPE IN MILLIMETERS

Heaed loss in meters per 100 metres length of pipe									
Discharge in LPM	25	40	50	65	80	100	125	150	200
40	1.25								
80	4.16	0.57							
100	7.00	0.80	0662						
150		1.85	1.099	0.54					
200		3.13	1.67	0.78	0.54				
250		4.75	2.26	1.31	0.292				
300		6.80	3.98	2.00	1.163	0.292			
400			5.97	2.84	1.983	0.476			
500				5.00	3.017	0.721			
600						1.393	0.463		
800						2.206	0.74		
1000						2.677	0.887	0.182	
1400							1.25	0.305	
1800								0.363	
2000								0.517	
2400									0.138

## PUMPSET SELECTION FOR SPRINKLER APPLICATION

Calculation of Total Head,

**H1** = Lowering of Pump set in Meter

**H2** = Friction losses of Horizontal pipe line ( 1% of total length )

**H3** = Vertical height of slope ( If any slope)

**H4** = required pressure in each sprinkler i.e. 1 meter per sprinkler (Avg. 1 meter per sprinkler ) X No. of Sprinkler.

**Total Head H= H1+H2+H3+H4**

**Discharge Calculation:** 30 LPM x Nos. of Sprinkler

**Example for head and discharge calculation:**

30LPM X No. of Sprinkles for 64 Meter Lowering and requirement if sprinkler are 210 with 1400 (427) ft length of horizontal.

Actual lowering of Pump set H1 = 210 feet. (64 Mtr.)

Total length of pipe line from the last sprinkler is 1600 ft, (488 Mts.)

So that 1 % Friction loss (H2) = 5 Mtr.

Slope in the Line is absent so H3 = 0.

21 Sprinklers are required so h4 = 21 meter.

Now H = 64+5+0+21= 90 meter.

21 Sprinkler are required. So that required discharge

**Q = 30 LPM X 21 = 630 LPM**

Now select the pumpset from the performance Table for 630 LPM at 90 Mtr.Calculation for H.P.

$$H.P = \frac{\text{Head (M)} \times \text{Discharge (LPM)}}{4500 \times \text{Pump Eff.}}$$

Calculation for Current

$$H.P = \frac{(\sqrt{3} \times \text{Voltage} \times \text{Current} \times \text{Power Factor})}{746}$$

Calculation for POWER FACTOR

$$P.F = \frac{\text{POWER INPUT}}{(\sqrt{3} \times V \times A)}$$

So that,

$$P.F = \frac{H.P \times 746}{(\sqrt{3} \times \text{Voltage} \times \text{Power Factor})}$$

## IMPORTANT FORMULAS

$$\text{Water horse Power} = \text{Pump out put HP} = \frac{\text{Head in mtrs} \times \text{Discharge in 1/min}}{4500}$$

$$\text{Shaft horse Power} = \text{Motor out put Hp} = \frac{\text{Motor input in KW} \times \text{Motor efficiency in \%}}{73.6}$$

$$\text{Pump efficiency} = \frac{WHP}{SHP}$$

$$\text{Overall efficiency} = \frac{\text{Head in mtrs} \times \text{Discharge in 1/min}}{6120 \times \text{motor input in KW}}$$



Save Water....  
Save Life...



The only quality policy Hindustan Pumps has, is to provide competitive, tough, long lasting product and service, meeting the requirement of customers. For this we have own quality system. Total quality efforts begin right from drawing to transporting and upto the installation. Only first grade raw material, tested for functional durability are used in making pump/motor. At every stage of production our Engineers make vigorous quality check to ensure that every pump/ motor should be of high possible standard. We assure, you will have the best returns on your investment in Hindustan Pump/motor.

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