

# KIRLOSKAR PUMPS



Enriching Lives

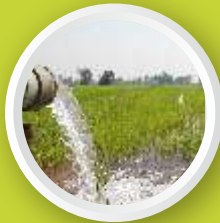
## HHN/HHF

15 CM High Head Water Filled  
Submersible Pumps

Irrigation in  
horticulture &  
agriculture



Ground water  
supply to  
water works



Domestic and  
community water  
supply



Sprinkler  
and drip  
irrigation



STRENGTHENED BY  
99.9%  
PURE EC GRADE  
**COPPER**  
WINDING WIRES

**BUY ELECTRIC PUMPS WITH PURE COPPER WINDING WIRES ONLY.  
ENQUIRE BEFORE BUYING.**

ALWAYS BUY PUMPS WITH



and



LOGOS ON PACKAGING

## HHN/HHF

### 15 CM High Head Submersible Pumps

#### TECHNICAL SPECIFICATION

Head	-	Upto 427 metres
Discharge Range	-	Upto 650 LPM
Power Rating	-	2.2 to 18.3 kW / 3 to 25 HP
Voltage Range	-	200 to 440 Volts (Three Phase)*
Insulation	-	B Class
Type of Cooling	-	Water Filled
Protection	-	IP 68



#### MATERIAL OF CONSTRUCTION

	HHN	HHF
Impeller	- Noryl	Stainless Steel
Diffuser	- Noryl	Stainless Steel
Diffuser Casing	- Cast Iron	Stainless Steel
Pump Shaft	- Stainless Steel	Stainless Steel
Motor Body	- Stainless Steel	Stainless Steel
Motor Shaft	- Stainless Steel	Stainless Steel
Finished Rotor	- Copper	Copper
NRV	- Cast Iron	Cast Iron
Suction	- Cast Iron	Cast Iron
Pump / Motor Bushes	- LTB	LTB
Thrust Bearing	- Carbon + SS	Carbon + SS
DOL	- Cast Iron	Cast Iron



#### APPLICATIONS

- Irrigation in (horticulture & agriculture)
- Domestic and community water supply
- Sprinkler and drip irrigation
- Rural water supply
- Ground water supply to water works

#### FEATURES

##### Wide Voltage Motor Designs With Copper Rotor

Motors are designed with extra overload capacities, more water spaces and engineered with 99.9% pure Electro Grade Copper performs well in low voltage with minimum discharge drops and suitable for wide voltage applications.

##### Sand Fighter Designs

Innovative Sand Fighter Designs restricts the entry of sand in motors, protects the pump and motor bushes to perform well in sandy borewells and increase the pumpset life.

##### Dynamically Balanced Rotating Parts

Minimum vibrations protect components from damages during the operations, consistent performance as concentricity is maintained.

##### Longer And Trouble Free Life

High grade engineering materials like Graded Cast Iron Components, Stainless Steel Shaft, Noryl Impellers, Bronze Bushes, Heavy duty Carbon + SS Thrust Plate, 99.9% Electro Grade Copper Rotor and Winding Wires for longer and trouble free life.

##### High Head Applications

The pump has been designed to deliver large volumes of high head applications, helping customers to achieve high turnaround time and productivity.

##### CED – Cathodic Electro Deposition

CED is the latest coating technology for corrosion resistance with uniform coating, provides 5 times more protection over conventional painting, resulting in longer life. All major CI parts of Kirloskar pumps coming in contact with the water are CED coated.

##### Design to Prevent Overloading

Lesser chances of motor burning as motor did not get overloaded even if the pump is operated at a head lower than recommended and saving substantial cost from maintenance and breakdown.

##### Glycol-mixed Water

Motors filled with specially developed Glycol mixed water to improve the anti-freezing properties of motor and prevent corrosion.

# KIRLOSKAR PUMPS

**PERFORMANCE CHART FOR 15 CM BOREWELL SUBMERSIBLE PUMPSETS - 60HNN SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY**

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	120	150	180	210	240	270	300
		kW	HP					3Ø	m <sup>3</sup> /h	0.0	7.2	9.0	10.8	12.6	14.4
1	60HNN-0305	2.2	3.0	5	50	6.5	Head in Meters	61	57	55	52	49	44	40	35
2	60HNN-0407	3.0	4.0	7	50	8.5		85	80	77	73	69	62	56	49
3	60HNN-0508	3.7	5.0	8	50	10.0		97	91	88	83	78	71	64	56
4	60HNN-0610	4.5	6.0	10	50	12.0		121	114	110	104	98	89	80	70
5	60HNN-0812	5.5	7.5	12	50	14.5		146	137	132	125	118	106	96	84
6	60HNN-1016	7.5	10.0	16	50	19.5		194	182	176	166	157	142	128	112
7	60HNN-1319	9.3	12.5	19	50	25.0		230	217	209	198	186	168	152	133
8	60HNN-1524	11.0	15.0	24	50	29.0		291	274	264	250	235	212	192	168
9	60HNN-1829	13.0	17.5	29	50	34.0		352	331	319	302	284	257	232	203

**PERFORMANCE CHART FOR 15 CM BOREWELL SUBMERSIBLE PUMPSETS - 80HNN SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY**

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	60	120	180	240	300	360	420
		kW	HP					3Ø	m <sup>3</sup> /h	0	3.6	7.2	11.5	14.4	18
1	80HNN-0304	2.2	3.0	4	50	6.5	Head in Meters	56	55	52	48	43	38	29	20
2	80HNN-0405	3.0	4.0	5	50	8.5		70	68	65	60	54	47	36	24
3	80HNN-0506	3.7	5.0	6	50	10.0		84	82	78	72	65	56	44	29
4	80HNN-0608	4.5	6.0	8	50	12.0		112	109	103	95	87	75	58	39
5	80HNN-0810	5.5	7.5	10	50	14.5		140	137	129	119	108	94	73	49
6	80HNN-1012	7.5	10.0	12	50	19.5		169	164	155	143	130	113	88	59
7	80HNN-1315	9.3	12.5	15	50	25.0		211	205	194	179	163	141	109	73
8	80HNN-1518	11.0	15.0	18	50	29.0		253	246	233	215	195	169	131	88
9	80HNN-1821	13.0	17.5	21	50	34.0		295	287	271	250	228	197	153	102
10	80HNN-2024	15.0	20.0	24	50	39.0		337	328	310	286	260	225	175	117

**PERFORMANCE CHART FOR 15 CM BOREWELL SUBMERSIBLE PUMPSETS - 100HNN SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY**

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	120	180	240	300	360	420	480
		kW	HP					3Ø	m <sup>3</sup> /h	0.0	7.2	10.8	14.4	18.0	21.6
1	100HNN-0505	3.7	5.0	5	65	10.0	Head in Meters	72	67	63	58	52	44	35	23
2	100HNN-0606	4.5	6.0	6	65	12.0		86	80	76	70	62	53	42	28
3	100HNN-0808	5.5	7.5	8	65	14.5		115	107	101	93	83	70	56	37
4	100HNN-1010	7.5	10.0	10	65	19.5		144	134	126	116	104	88	70	46
5	100HNN-1312	9.3	12.5	12	65	25.0		172	161	151	139	125	106	84	55
6	100HNN-1515	11.0	15.0	15	65	29.0		215	201	189	174	156	132	105	69
7	100HNN-1818	13.0	17.5	18	65	34.0		258	241	227	209	187	158	126	83
8	100HNN-2020	15.0	20.0	20	65	39.0		287	268	252	232	208	176	140	92
9	100HNN-2525	18.3	25.0	25	65	48.0		359	335	315	290	260	220	175	115

**PERFORMANCE CHART FOR 15 CM BOREWELL SUBMERSIBLE PUMPSETS - 125HNN SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY**

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	100	220	280	350	410	470	530
		kW	HP					3Ø	m <sup>3</sup> /h	0.0	6.0	13.2	16.8	21.0	24.6
1	125HNN-0403	3.0	4.0	3	65	8.5	Head in Meters	45	44	41	38	34	29	23	16
2	125HNN-0504	3.7	5.0	4	65	10.0		60	59	55	51	45	39	31	21
3	125HNN-0605	4.5	6.0	5	65	12.0		75	73	68	63	57	48	38	27
4	125HNN-0806	5.5	7.5	6	65	14.5		90	88	82	76	68	58	46	32
5	125HNN-1008	7.5	10.0	8	65	19.5		120	117	109	101	91	77	61	43
6	125HNN-1310	9.3	12.5	10	65	25.0		150	147	137	127	113	97	77	53
7	125HNN-1512	11.0	15.0	12	65	29.0		180	176	164	152	136	116	92	64
8	125HNN-1814	13.0	17.5	14	65	34.0		210	205	191	177	159	135	107	75
9	125HNN-2016	15.0	20.0	16	65	39.0		240	235	219	203	181	155	123	85

# KIRLOSKAR PUMPS

**PERFORMANCE CHART FOR 15 CM BOREWELL SUBMERSIBLE PUMPSETS - 50HHF SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY**

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	90	105	120	135	150	165	195
		kW	HP												
						3Ø	m <sup>3</sup> /h	0.0	5.4	6.3	7.2	8.1	9.0	9.9	11.7
1	50HHF-0306	2.2	3.0	6	50	6.5	Head in Meters	88	79	77	72	66	60	53	32
2	50HHF-0408	3.0	4.0	8	50	8.5		117	106	102	96	88	80	70	43
3	50HHF-0510	3.7	5.0	10	50	10.0		146	132	128	120	110	100	88	54
4	50HHF-0612	4.5	6.0	12	50	12.0		175	158	154	144	132	120	106	65
5	50HHF-0815	5.5	7.5	15	50	14.5		219	198	192	180	165	150	132	81
6	50HHF-1020	7.5	10.0	20	50	19.5		292	264	256	240	220	200	176	108
7	50HHF-1325	9.3	12.5	25	50	25.0		365	330	320	300	275	250	220	135

**PERFORMANCE CHART FOR 15 CM BOREWELL SUBMERSIBLE PUMPSETS - 60HHF SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY**

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	100	120	140	160	180	200	220
		kW	HP												
							m <sup>3</sup> /h	0.0	6.0	7.2	8.4	9.6	10.8	12.0	13.2
1	60HHF-0304	2.2	3.0	4	50	6.5	Head in Meters	64	59	56	53	48	42	34	24
2	60HHF-0305	2.2	3.0	5	50	6.5		79	74	70	66	61	53	42	29
3	60HHF-0407	3.0	4.0	7	50	8.5		111	103	98	92	85	74	59	41
4	60HHF-0508	3.7	5.0	8	50	10.0		127	118	112	105	97	84	67	47
5	60HHF-0609	4.5	6.0	9	50	12.0		143	133	126	118	109	95	76	53
6	60HHF-0610	4.5	6.0	10	50	12.0		159	147	139	132	121	105	84	59
7	60HHF-0811	5.5	7.5	11	50	14.5		175	162	153	145	133	116	93	65
8	60HHF-0812	5.5	7.5	12	50	14.5		191	177	167	158	145	126	101	71
9	60HHF-1013	7.5	10.0	13	50	19.5		207	192	181	171	157	137	109	77
10	60HHF-1014	7.5	10.0	14	50	19.5		223	206	195	184	169	147	118	83
11	60HHF-1016	7.5	10.0	16	50	19.5		254	236	223	211	194	168	135	94
12	60HHF-1319	9.3	12.5	19	50	25.0		302	280	265	250	230	200	160	112
13	60HHF-1524	11.0	15.0	24	50	29.0		381	354	335	316	291	253	202	141
14	60HHF-1829	13.0	17.5	29	50	34.0		461	427	404	382	351	305	244	171

**PERFORMANCE CHART FOR 15 CM BOREWELL SUBMERSIBLE PUMPSETS - 80HHF SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY**

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	80	120	160	200	240	260	280
		kW	HP												
							m <sup>3</sup> /h	0.0	4.8	7.2	9.6	12.0	14.4	15.6	16.8
1	80HHF-0304	2.2	3.0	4	50	6.5	Head in Meters	66	62	60	56	46	36	30	23
2	80HHF-0405	3.0	4.0	5	50	8.5		82	78	75	70	58	46	38	29
3	80HHF-0506	3.7	5.0	6	50	10.0		98	94	89	83	69	55	45	35
4	80HHF-0607	4.5	6.0	7	50	12.0		115	109	104	97	81	64	53	41
5	80HHF-0810	5.5	7.5	10	50	14.5		164	156	149	139	115	91	75	58
6	80HHF-1012	7.5	10.0	12	50	19.5		197	187	179	167	138	109	90	70
7	80HHF-1315	9.3	12.5	15	50	25.0		246	234	224	209	173	137	113	87
8	80HHF-1518	11.0	15.0	18	50	29.0		295	281	268	250	207	164	135	104
9	80HHF-1821	13.0	17.5	21	50	34.0		344	328	313	292	242	191	157.5	122
10	80HHF-2024	15.0	20.0	24	50	39.0		394	374	358	334	276	218	180	139

# KIRLOSKAR PUMPS

**PERFORMANCE CHART FOR 15 CM BOREWELL SUBMERSIBLE PUMPSETS - 100HHF SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY**

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	100	150	200	250	300	350	425
		kW	HP					0.0	6.0	9.0	12.0	15.0	18.0	21.0	25.5
1	100HHF-0303	2.2	3.0	3	50	6.5	Head in Meters	50	48	45	43	38	31	20	8
2	100HHF-0404	3.0	4.0	4	50	8.5		66	63	60	57	51	42	27	11
3	100HHF-0505	3.7	5.0	5	50	10.0		83	79	75	71	63	52	33	13
4	100HHF-0606	4.5	6.0	6	50	12.0		100	95	90	85	76	63	40	16
5	100HHF-0808	5.5	7.5	8	50	14.5		133	127	120	113	101	83	53	21
6	100HHF-1010	7.5	10.0	10	50	19.5		166	158	150	142	127	104	67	27
7	100HHF-1312	9.3	12.5	12	50	25.0		199	190	180	170	152	125	80	32
8	100HHF-1515	11.0	15.0	15	50	29.0		249	238	225	213	190	156	100	40
9	100HHF-1818	13.0	17.5	18	50	34.0		299	285	270	255	228	188	120	48
10	100HHF-2020	15.0	20.0	20	50	39.0		332	317	300	283	253	208	133	53

**PERFORMANCE CHART FOR 15 CM BOREWELL SUBMERSIBLE PUMPSETS - 125HHF SERIES AT RATED VOLTAGE OF 415 VOLTS - THREE PHASE, 50 Hz FREQUENCY, AC SUPPLY**

S. No.	Pump Model	Power Rating		No of Stages	Outlet Size (mm)	Rated Current (Ampere)	LPM	0	80	160	240	320	400	480	520
		kW	HP					0.0	4.8	9.6	14.4	19.2	24.0	28.8	31.2
1	125HHF-0403	3.0	4.0	3	65	8.5	Head in Meters	48	48	47	42	34	24	12	4
2	125HHF-0504	3.7	5.0	4	65	10.0		64	64	62	55	45	32	16	5
3	125HHF-0605	4.5	6.0	5	65	12.0		81	80	78	69	57	40	20	6
4	125HHF-0806	5.5	7.5	6	65	14.5		97	96	93	83	68	48	24	8
5	125HHF-1008	7.5	10.0	8	65	19.5		129	127	124	111	91	64	31	10
6	125HHF-1310	9.3	12.5	10	65	25.0		161	159	155	138	113	80	39	13
7	125HHF-1512	11.0	15.0	12	65	29.0		193	191	186	166	136	96	47	15
8	125HHF-1814	13.0	17.5	14	65	34.0		225	223	217	194	159	112	55	18
9	125HHF-2016	15.0	20.0	16	65	39.0		258	255	248	221	181	128	63	20



Enriching Lives



## Process for E-Warranty Registration for Newly Purchased Pumps



### THROUGH KBL'S OFFICIAL WEBSITE

- ✔ Go to our website <https://www.kirloskarpumps.com>
- ✔ Scroll down to E-Warranty registration.
- ✔ Choose Customer Category, enter your mobile number, and verify with the OTP.
- ✔ Enter the product's serial number or scan the nameplate with your phone.
- ✔ Add purchase date and proceed.
- ✔ Complete the form and hit Submit.



### USING WHATSAPP / EMAIL

- ✔ Share your invoice on KBL WhatsApp number - 9922710710 or mail us at [kblcare@kbl.co.in](mailto:kblcare@kbl.co.in)



### USING KBLONE4ALL APP

- ✔ Download KBLOne4All app from Google Play Store or iOS App Store.
- ✔ Choose Customer Category, input your mobile number, and verify with the OTP.
- ✔ Enter the 5-digit code received, then proceed.
- ✔ Add product details by manually entering the serial number or scanning the nameplate.
- ✔ Input purchase date and move to the next step.
- ✔ Complete required information, upload the invoice, and hit Submit.

**Note : E-Warranty Registration is essential to experience hassle-free support & after-sale service.**

**KIRLOSKAR BROTHERS LIMITED**

Established 1888

A Kirloskar Group Company



We are now on WhatsApp to assist you better

**9922710710**

Toll Free Number: 1800 123 4443

[www.kirloskarpumps.com](http://www.kirloskarpumps.com)

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