

Product Catalogue

KIRLOSKAR

KS 6/7/8

Submersible Pumps

Features

- Huge savings in electrical consumption
- Capability to withstand wide voltage fluctuations
- Operates equally well with Genset, great help during power cuts
- Non-overloading power characteristics protect the motor
- Water lubricated bearings for years of service
- Design of non-returnable valve reduces friction
- Minimum possible diameters for easier setting into the borewell
- Dynamically balanced rotating parts
- Nitril rubber bushes ensure long life of pump even in muddy water
- **CED coating cast iron components long life & rust free**



Material of Construction

Parts	KS 6"/7"/8"	KS 6"/7"/8"
Impeller	Bronze Gr LTB2 / 20% Glass Filled Noryl	Bronze Gr LTB2
Diffusets	20% Glass Filled Noryl	-
Pump Bowl	-	High Graded Cast Iron
Motor Casing	Stainless Steel	Stainless Steel
Pump Shaft	Stainless Steel	Stainless Steel
Motor Shaft	Stainless Steel	Stainless Steel

Applications

- Continuous water supply for farming application & irrigation projects
- Fire fighting application

Range

Head	: 5-306 metres
Discharge	: 2400-60 LPM
Motor Rating	: 2.2 kW- 33 kW (3.0 - 45.0 HP)
Borewell Size	: 150mm (6") 200mm (8")
Voltage Range	: 200 V - 440 V

Cable Selection Chart for 415 Volts, 50 Hz, 3 Phase Motors (Considering Ambient Temp. 50° & 3% Voltage Drop)

MOTOR RATING		FULL LOAD CURRENT (AMPS)	CABLE SIZE					
kW	HP		LENGTH OF CABLE IN METRES					
			1.5	2.5	4.0	6.0	10.0	16.0
2.2	3.0	6.3	87	145	230	-	-	-
3.7	5.0	9.3	63	100	160	238	-	-
4.5	6.0	11.8	47	78	125	185	300	-
5.5	7.5	14.5	41	68	107	158	262	-
7.5	10.0	18.0	-	51	80	120	200	297
9.3	12.5	22.5	-	-	65	97	160	253
11.0	15.0	26.0	-	-	56	84	137	216
12.9	17.5	32.5	-	-	-	-	110	175
15.0	20.0	36.5	-	-	-	-	98	155
18.5	25.0	39.0	-	-	-	-	93	150
22.0	30.0	45.0	-	-	-	-	81	130
25.7	35	52.0	-	-	-	-	70	112

Cable Size Selection for 3 Ø 150 MM Submersibles

Motor HP	Starting	Cable size recommended for upto 45 M Cable length	Cable size recommended for upto 70 M Cable length	Cable size recommended for upto 95 M Cable length
35.0	S/D	2x3x4mm ²	2x3x6mm ²	2x3x10mm ²
30.0	S/D	2x3x4mm ²	2x3x6mm ²	2x3x10mm ²
25.0	S/D	2x3x4mm ²	2x3x6mm ²	2x3x10mm ²
20.0	S/D	2x3x4mm ²	2x3x6mm ²	2x3x10mm ²
17.5	S/D	2x3x2.5mm ²	2x3x4mm ²	2x3x6mm ²
15.0	S/D	2x3x2.5mm ²	2x3x4mm ²	2x3x6mm ²
12.5	S/D	2x3x2.5mm ²	2x3x4mm ²	2x3x6mm ²
10.0	S/D	2x3x2.5mm ²	2x3x4mm ²	2x3x6mm ²
7.5	DOL	1x3x2.5mm ²	1x3x4mm ²	1x3x6mm ²
6.0	DOL	1x3x2.5mm ²	1x3x2.5mm ²	1x3x4mm ²
5.0	DOL	1x3x1.5mm ²	1x3x2.5mm ²	1x3x2.5mm ²
4.0	DOL	1x3x1.5mm ²	1x3x2.5mm ²	1x3x2.5mm ²
3.0	DOL	2x3x1.5mm ²	1x3x2.5mm ²	1x3x2.5mm ²

PERFORMANCE-150mm (6") Submersible

KS6 A Series

PIPE SIZE: 50mm

PUMP MODEL	POWER RATING		DISCHARGE IN LPM				
	kW	HP	60	120	160	180	240
TOTAL HEAD IN METRES							
KS6A-0307	2.2	3.0	55	49	41	36	14
KS6A-0410	3.0	4.0	78	69	58	50	20
KS6A-0512	3.7	5.0	94	84	69	60	24
KS6A-0614	4.5	6.0	114	100	85	74	31
KS6A-0818	5.5	7.5	146	129	110	98	40
KS6A-1024	7.5	10.0	195	172	147	131	53

KS6 B Series

PIPE SIZE: 50mm

PUMP MODEL	POWER RATING		DISCHARGE IN LPM					
	kW	HP	60	120	160	180	240	270
TOTAL HEAD IN METRES								
KS6B-0305	2.2	3.0	47	42	37	35	20	10
KS6B-0306	2.2	3.0	58	52	45	41	24	11
KS6B-0508	3.7	5.0	76	69	60	54	31	15
KS6B-0509	3.7	5.0	85	77	68	61	35	17
KS6B-0510	3.7	5.0	95	86	75	68	39	19
KS6B-0511	3.7	5.0	104	94	83	75	42	20
KS6B-0612	4.5	6.0	118	107	94	86	52	27
KS6B-0813	5.5	7.5	128	116	100	93	56	31
KS6B-0814	5.5	7.5	138	124	108	99	59	32
KS6B-0815	5.5	7.5	148	134	118	108	65	36
KS6B-1016	7.5	10.0	160	146	128	118	71	39
KS6B-1020	7.5	10.0	200	183	160	148	93	52
KS6B-1324	9.3	12.5	238	219	195	180	118	72
KS6B-1528	11.0	15.0	286	256	225	208	130	80
KS6B-1530	11.0	15.0	306	274	241	223	140	86

KS6 C Series

PIPE SIZE: 50mm

PUMP MODEL	POWER RATING		DISCHARGE IN LPM							
	kW	HP	120	180	240	300	360	420	480	510
TOTAL HEAD IN METRES										
KS6C-0404	3.0	4.0	39	37	34	31	26	20	13	9
KS6C-0504	3.7	5.0	39	37	34	31	26	20	13	9
KS6C-0505	3.7	5.0	49	46	43	38	32	25	17	12
KS6C-0606	4.5	6.0	61	58	53	48	41	33	23	17
KS6C-0807	5.5	7.5	72	68	63	56	49	39	27	20
KS6C-1009	7.5	10.0	94	89	82	74	63	50	35	26
KS6C-1010	7.5	10.0	104	98	91	83	73	60	43	32
KS6C-1312	9.3	12.5	126	119	110	100	87	70	49	38
KS6C-1515	11.0	15.0	157	148	137	122	105	86	60	46
KS6C-1817	13.0	17.5	178	169	155	139	120	97	68	53
KS6C-2020	15.0	20.0	210	198	182	164	142	114	80	61

KS6 D Series

PIPE SIZE: 65mm

PUMP MODEL	POWER RATING		DISCHARGE IN LPM						
	kW	HP	120	240	360	420	480	600	690
TOTAL HEAD IN METRES									
KS6D-0302	2.2	3.0	21	21	19	18	16	11	6
KS6D-0504	3.7	5.0	43	42	38	36	33	23	12
KS6D-0605	4.5	6.0	54	53	49	45	41	29	16
KS6D-0806	5.5	7.5	66	64	59	56	51	37	20
KS6D-1008	7.5	10.0	89	86	80	75	68	48	28
KS6D-1310	9.3	12.5	112	108	101	94	87	63	36
KS6D-1512	11.0	15.0	133	128	120	111	102	73	43
KS6D-1814	13.0	17.5	155	151	140	131	120	86	48
KS6D-2016	15.0	20.0	177	172	160	150	137	98	55

KS6 E Series

PIPE SIZE: 65mm

PUMP MODEL	POWER RATING		DISCHARGE IN LPM						
	kW	HP	120	180	240	300	360	420	480
TOTAL HEAD IN METRES									
KS6E-0504	3.7	5.0	44	41	38	34	29	21	9
KS6E-0505	3.7	5.0	55	52	40	43	36	26	11
KS6E-0606	4.5	6.0	68	64	59	54	45	32	13
KS6E-0807	5.5	7.5	80	75	70	63	54	42	21
KS6E-0808	5.5	7.5	91	86	80	72	62	46	21
KS6E-1010	7.5	10.0	117	110	102	92	78	58	30
KS6E-1313	9.3	12.5	154	145	134	121	104	79	42
KS6E-1515	11.0	15.0	178	168	156	142	121	91	47
KS6E-1818	13.0	17.5	212	201	186	169	143	106	58
KS6E-2020	15.0	20.0	236	221	205	187	158	122	64

KS6 F Series

PIPE SIZE: 80mm

PUMP MODEL	POWER RATING		DISCHARGE IN LPM							
	kW	HP	240	360	480	600	720	840	960	1080
TOTAL HEAD IN METRES										
KS6F-0302	2.2	3.0	20	18	16	14	11	9	7	5
KS6F-0503	3.7	5.0	30	27	24	21	18	14	11	6
KS6F-0604	4.5	6.0	39	36	32	29	24	20	15	9
KS6F-0804	5.5	7.5	41	38	34	31	26	21	16	11
KS6F-1006	7.5	10.0	63	57	51	45	38	33	24	16
KS6F-1308	9.3	12.5	85	78	70	61	53	44	34	24
KS6F-1509	11.0	15.0	96	88	79	70	60	49	38	27
KS6F-1811	13.0	17.5	118	108	91	86	73	61	46	32
KS6F-2013	15.0	20.0	139	127	114	101	86	70	54	37

KS6 G Series

PIPE SIZE: 100mm

PUMP MODEL	POWER RATING		DISCHARGE IN LPM					
	kW	HP	240	480	720	840	960	1200
TOTAL HEAD IN METRES								
KS6G-0502	3.7	5.0	22	19	17	15	13	7
KS6G-0603	4.5	6.0	35	31	26	24	21	12
KS6G-0804	5.5	7.5	47	4	35	32	28	16
KS6G-1005	7.5	10.0	60	52	45	41	36	21
KS6G-1306	9.3	12.5	72	63	54	49	43	25
KS6G-1507	11.0	15.0	85	74	64	58	51	30
KS6G-1808	13.0	17.5	96	84	72	66	58	35
KS6G-2009	15.0	20.0	108	95	82	74	65	38

Product Catalogue

Performance-175 mm (7") Submersible

KS7 A Series

PIPE SIZE: 100mm

PUMP MODEL	MODEL RATING		DISCHARGE IN LITRES PER MINUTE					
	kW	HP	360	600	840	1200	1440	1680
TOTAL HEAD IN METRES								
KS7A-0401	4.0	3.0	15	13	12	10	8	5
KS7A-0802	7.5	5.5	30	26	24	20	16	10
KS7A-0803	7.5	5.5	40	35	32	27	21	13
KS7A-1003	10.0	7.5	45	39	36	30	24	15
KS7A-1304	12.5	9.3	56	49	45	38	30	19
KS7A-1505	15.0	11.1	71	61	56	47	38	24
KS7A-1806	17.5	12.5	85	73	65	56	45	28
KS7A-2007	20.0	15.0	99	86	79	66	53	33

Performance chart for KS 7P Pumps

PIPE SIZE: 100 mm

PUMP MODEL	POWER RATING		FULL LOAD CURRENT (AMPS)	RATED VOLTAGE (V)	DISCHARGE IN LITRES PER MINUTE							
	kW	HP			240	480	720	960	1200	1440	1680	1920
TOTAL HEAD IN METRES												
KS7P-0602	4.5	6.0	11.8	415	25	23	19	18	16	13	7	3
KS7P-0802	5.5	7.5	14.5	415	28	26	24	22	18	15	13	3
KS7P-0803	5.5	7.5	14.5	415	31	27	25	23	19	16	8	3
KS7P-1003	7.5	10.0	18.0	415	40	37	34	30	25	21	15	3
KS7P-1004	7.5	10.0	18.0	415	40	36	34	31	27	23	13	3

Performance chart for KS8 A Pumps

PIPE SIZE: 100 mm

PUMP MODEL	MODEL RATING		DISCHARGE IN LITRES PER MINUTE								
	kW	HP	300	600	900	1200	1350	1500	1650	1800	
TOTAL HEAD IN METRES											
KS8A-0602	4.5	6.0	24	22	20	17	147	11	-	-	
KS8A-0801	5.5	7.5	23	22	21	19	18	16	14	11	
KS8A-1002	7.5	10.0	35	33	30	26	24	21	18	14	
KS8A-1003	7.5	10.0	36	34	30	25	22	17	10	-	
KS8A-1302	9.3	12.5	41	39	36	32	29	26	22	16	
KS8A-1502	11.0	15.0	46	44	42	38	35	31	26	21	
KS8A-1803	13.0	17.5	53	50	46	40	36	31	25	18	
KS8A-2003	15.0	20.0	59	57	53	47	43	38	31	24	
KS8A-2004	15	20	70	66	60	52	48	42	36	28	
* Above models can be made available with both 8" and 6" Motors.											
KS8A-2504	18.5	25.0	83	79	71	61	55	46	36	26	
KS8A-3004	22.0	30.0	94	88	82	72	65	58	48	37	
KS8A-3505	25.7	35.0	118	110	102	90	82	73	61	48	
* Above models can be made available with 8" Motors only.											

Performance chart for KS8B Pumps

PIPE SIZE: 125mm

PUMP MODEL	MODEL RATING		DISCHARGE IN LITRES PER MINUTE							
	kW	HP	300	600	900	1200	1500	1800	2100	2400
TOTAL HEAD IN METRES										
KS8B-1002	7.5	10.0	30	27	24	21	18	14	9	-
KS8B-1302	9.3	12.5	38	36	33	29	25	21	17	12
KS8B-1502	11.0	15.0	40	38	36	34	31	28	24	19
KS8B-1802	13.0	17.5	42	41	38	35	32	29	26	23
KS8B-2003	15.0	20.0	57	54	49	44	38	31.5	25	17
* Above models can be made available with both 8" and 6" Motors.										
KS8B-2502	18.5	25.0	53	51	48	45	42	39	35	30
KS8B-3503	25.7	35.0	76	74	71	66	61	56	51	45
KS8B-4504	33.0	45.0	99	97	93	86	80	73	67	59
KS8B-4505	33.0	45.0	105	101	95	88	80	73	65	56
* Above models can be made available with 8" Motors only.										

Performance chart for KS8P Pumps

PIPE SIZE: 100 mm

PUMP MODEL	POWER RATING		FULL LOAD CURRENT (AMPS)	RATED VOLTAGE (V)	DISCHARGE IN LITRES PER MINUTE								
	kW	HP			240	480	720	960	1200	1440	1680	1920	2160
TOTAL HEAD IN METRES													
KS8P-0601	4.5	6.0	11.8	415	19	19	17	17	15	13	11	9	5
KS8P-0801	5.5	7.5	14.5	415	20	19	19	18	17	16	13	11	7
KS8P-0802	5.5	7.5	14.5	415	28	26	24	22	19	16	11	7	-
KS8P-1002	7.5	10.0	19.5	415	37	34	32	30	26	23	18	13	6
KS8P-1003	7.5	10.0	19.5	415	42	39	36	32	29	24	17	11	-
KS8P-1302	9.3	12.5	25.0	415	38	37	34	33	30	26	22	18	9
KS8P-1303	9.3	12.5	25.0	415	42	39	37	34	31	23	15	10	4
KS8P-1304	9.3	12.5	25.0	415	55	50	46	42	37	30	22	12	-
KS8P-1502	11.0	15.0	26.0	415	40	39	37	35	34	31	26	21	13
KS8P-1503	11.0	15.0	26.0	415	51	49	47	46	41	36	30	20	10
KS8P-1504	11.0	15.0	26.0	415	56	52	48	43	38	32	22	14	-
KS8P-1803	13.0	17.5	32.5	415	57	56	51	50	45	39	33	27	14
KS8P-1804	13.0	17.5	32.5	415	68	63	59	53	48	42	33	22	8
KS8P-2003	15.0	20.0	36.0	415	62	59	56	53	50	45	40	32	20
KS8P-2004	15.0	20.0	36.5	415	74	68	63	59	52	46	36	26	12
KS8P-2503	18.5	25.0	39.0	415	64	61	59	56	53	49	43	35	24
KS8P-2504	18.5	25.0	39.0	415	76	74	68	66	60	52	44	36	18
KS8P-2505	18.5	25.0	39.0	415	93	85	79	74	65	58	45	33	15

Note: Performance applicable to liquid of specific gravity 1 and viscosity as of water.

Product Catalogue

KIRLOSKAR



High Head Submersible Pump

Features

Pump

- Higher head per stage resulting in achieving same head with less no of stages
- Stainless Steel pump internals
- Better surface finish hence better efficiency and consistent performance.
- Lesser weight and lesser height resulting into ease in installation and transportation
- Better life in sandy water application
- Better life in acidic water
- Rust free water
- Aesthetically appealing
- Loading on pipes improves
- **CED coating cast iron components long life & rust free**

Motor

- Withstand wide voltage fluctuations from 200 volts to 440 volts with marginal variation in head and discharge
- Even at low voltage, pump delivers water
- For longer life Teflon Carbon Thrust bearing
- Better protection against sand



Material of Construction

Impeller	: Stainless Steel
Diffuser	: Stainless Steel
Diffuser Casing	: Stainless Steel
Shaft	: Stainless Steel
NRV	: CI
Discharge outlet	: CI
Suction Housing	: CI
Bearing Sleeve	: Hard Chrome Stainless Steel
Bearing Bush	: Rubber

Use from (Higher Depth)

- Water supply for Industrial, Housing Complex, Hotels, Hospitals, Commercial Complex, Cinema Halls, Multiplex, Community Supplies, Building & Construction application
- Continuous water supply for farming application & irrigation projects
- Fire fighting application

Range

Head	: 1 - 447 metres
Discharge	: 740-30 LPM
Motor Rating	: 2.2 kW-15 kW (3.0 HP-20.0 HP)
Borewell Size	: 150 mm (6")
Voltage Range	: 200 V -440 V

STARTING METHOD / CABLE CONNECTION

150mm (6")	DOL Start / Single Cable	Star Delta Start / Double Cable
Standard Model	Upto 7.5 HP	10 HP & above

Cable Selection Chart for 415 Volts, 50 Hz, 3 Phase Motors (Considering Ambient Temp. 50° & 3% Voltage Drop)

MOTOR RATING		FULL LOAD CURRENT (AMPS)	CABLE SIZE					
			LENGTH OF CABLE IN METRES					
kW	HP		1.5	2.5	4.0	6.0	10.0	16.0
2.2	3.0	6.3	87	145	230	-	-	-
3.0	4.0	7.9	69	115	185	-	-	-
3.7	5.0	9.3	63	100	160	238	-	-
4.5	6.0	11.8	47	78	125	185	300	-
5.5	7.5	14.5	41	68	107	158	262	-
7.5	10.0	18.0	-	51	80	120	200	297
9.3	12.5	22.5	-	-	65	97	160	253
11.0	15.0	26.0	-	-	56	84	137	216
13.0	17.5	32.5	-	-	-	-	110	175
15.0	20.0	36.5	-	-	-	-	98	155

Approximate Performance

50HH Series

PIPE SIZE: 50mm

PUMP MODEL	POWER RATING		RATED CURRENT (AMPS)	DISCHARGE IN LITRES PER MINUTE										
	kW	HP		30	50	75	80	90	95	105	120	125	130	135
TOTAL HEAD IN METRES														
50HH306	2.2	3.0	6.3	89	85	79	76	68	58	51	38	30	27	11
50HH408	3.0	4.0	7.9	118	113	105	101	90	77	68	50	40	36	14
50HH510	3.7	5.0	9.3	148	141	131	126	113	96	85	63	50	45	18
50HH612	4.5	6.0	11.8	177	163	157	151	135	116	102	75	60	57	21
50HH815	5.5	7.5	14.5	222	212	197	189	169	145	127	94	75	67	27
50HH1020	7.5	10.0	18.0	296	283	263	253	226	193	170	126	100	90	36
50HH1325	9.3	12.5	22.5	370	354	329	316	283	241	212	158	125	112	45
50HH1530	11.0	15.0	26.0	444	425	395	379	340	289	254	190	150	134	54

60HH Series

PIPE SIZE: 50mm

PUMP MODEL	POWER RATING		RATED CURRENT (AMPS)	DISCHARGE IN LITRES PER MINUTE									
	kW	HP		60	80	100	140	160	180	200	220	240	260
TOTAL HEAD IN METRES													
60HH304	2.2	3.0	6.3	61.6	58.4	55.2	49.6	44	37.6	29.6	24	16	5.6
60HH305	2.2	3.0	6.3	77	73	69	62	55	47	37	30	20	7
60HH407	3.0	4.0	7.9	106	102	96	94	77	66	52	42	28	9
60HH508	3.7	5.0	9.3	122	117	111	107	88	76	60	48	32	10
60HH609	4.5	6.0	11.8	137.3	131.6	124.9	120.4	99	85.5	67.5	54	36	11.3
60HH610	4.5	6.0	11.8	154	147	139	134	110	95	75	60	40	12
60HH811	5.5	7.5	14.5	169.4	161.7	152.9	147.4	121	104.5	82.5	66	44	13.2
60HH812	5.5	7.5	14.5	185	176	166	160	132	123	89	72	48	15
60HH1013	7.5	10.0	18.0	200.4	190.7	179.8	173.3	143	133	96.4	78	52	16.3
60HH1016	7.5	10.0	18.0	247	235	221	214	176	152	119	96	64	19
60HH1319	9.3	12.5	22.5	290	277	262	254	209	178	140	114	76	25
60HH1524	11.0	15.0	26.0	370	352	333	320	264	226	179	144	96	30
60HH1829	13.0	17.5	32.5	447	425	402	387	319	273	216	174	116	36

80HH Series

PIPE SIZE: 50mm

PUMP MODEL	POWER RATING		RATED CURRENT (AMPS)	DISCHARGE IN LITRES PER MINUTE										
	kW	HP		90	105	125	145	165	185	205	225	245	265	285
TOTAL HEAD IN METRES														
80HH304	2.2	3.0	6.3	62	59	56	52	49	45	39	33	25	18	7
80HH405	3.0	4.0	7.9	78	74	70	65	61	56	49	41	31	23	9
80HH506	3.7	5.0	9.3	93	89	84	78	74	68	59	50	38	27	11
80HH607	4.5	6.0	11.8	109	103	98	91	86	79	68	58	44	32	12
80HH810	5.5	7.5	14.5	155	148	140	130	123	113	98	83	63	45	18
80HH1012	7.5	10.0	18.0	186	177	168	156	147	135	117	99	75	54	21
80HH1315	9.3	12.5	22.5	233	221	210	195	184	169	146	124	94	68	26
80HH1518	11.0	15.0	26.0	279	266	252	234	221	203	176	149	113	81	32
80HH1821	13.0	17.5	32.5	326	310	294	273	257	236	205	173	131	95	37
80HH2024	15.0	20.0	36.5	372	354	336	312	294	270	234	198	150	108	42

Product Catalogue

100HH Series

PIPE SIZE: 50mm

PUMP MODEL	POWER RATING		RATED CURRENT (AMPS)	DISCHARGE IN LITRES PER MINUTE									
	KW	HP		100	125	155	180	205	230	255	280	305	330
TOTAL HEAD IN METRES													
100HH303	2.2	3.0	6.3	45	42	40	38	33	30	22	17	7	3
100HH404	3.0	4.0	7.9	60	56	53	51	44	40	29	23	9	4
100HH505	3.7	5.0	9.3	75	70	67	63	55	50	37	28	12	5
100HH606	4.5	6.0	11.8	90	84	80	76	66	60	44	34	14	6
100HH808	5.5	7.5	14.5	120	112	107	101	88	80	59	45	19	8
100HH1010	7.5	10.0	18.0	150	140	133	127	110	100	73	57	23	10
100HH1312	9.3	12.5	22.5	180	168	160	152	132	120	88	68	28	12
100HH1515	11.0	15.0	26.0	225	210	200	190	165	150	110	85	35	15
100HH1818	13.0	17.5	32.5	270	252	240	228	198	180	132	102	42	18
100HH2020	15.0	20.0	36.5	300	280	267	253	220	200	147	113	47	20

125HH Series

PIPE SIZE: 50mm

PUMP MODEL	POWER RATING		RATED CURRENT (AMPS)	DISCHARGE IN LITRES PER MINUTE										
	KW	HP		150	180	210	240	270	300	330	360	390	420	450
TOTAL HEAD IN METRES														
125HH403	3.0	4.0	7.9	48	45	44	42	42	39	36	34	28	24	18
125HH504	3.7	5.0	9.3	64	60	59	56	56	52	48	45	37	32	24
125HH605	4.5	6.0	11.8	80	75	73	70	70	65	60	57	47	40	30
125HH806	5.5	7.5	14.5	96	90	88	84	84	78	72	6	56	48	36
125HH1008	7.5	10.0	18.0	128	120	117	112	112	104	96	91	75	64	48
125HH1310	9.3	12.5	22.5	160	150	147	140	140	130	120	113	93	80	60
125HH1512	11.0	15.0	26.0	192	180	176	168	168	156	144	136	112	96	72
125HH1814	13.0	17.5	32.5	224	210	205	196	196	182	168	159	131	112	84
125HH2016	15.0	20.0	36.5	256	240	235	224	224	208	192	181	149	128	96

150HH Series

PIPE SIZE: 50mm

PUMP MODEL	POWER RATING		RATED CURRENT (AMPS)	DISCHARGE IN LITRES PER MINUTE									
	KW	HP		190	230	270	310	350	390	430	470	510	550
TOTAL HEAD IN METRES													
150HH302	2.2	3.0	6.3	30	29	26	25	23	20	17	13	10	1
150HH503	3.7	5.0	9.3	45	44	39	38	35	30	26	20	15	2
150HH604	4.5	6.0	11.8	60	58	52	50	46	40	34	26	20	2
150HH805	5.5	7.5	14.5	75	73	65	63	58	50	43	33	25	3
150HH1006	7.5	10.0	18.0	90	87	78	75	69	60	51	39	30	3
150HH1007	7.5	10.0	18.0	105	102	91	88	81	70	60	46	35	4
150HH1308	9.3	12.5	22.5	120	116	104	100	92	80	68	52	40	4
150HH1510	11.0	15.0	26.0	150	145	130	125	115	100	85	65	50	5
150HH1812	13.0	17.5	32.5	180	174	156	150	138	120	102	78	60	6
150HH2013	15.0	20.0	36.5	196	189	171	165	143	130	110	78	58	26

200HH Series

PIPE SIZE: 65mm

PUMP MODEL	POWER RATING		RATED CURRENT (AMPS)	DISCHARGE IN LITRES PER MINUTE									
	KW	HP		265	320	375	450	470	520	600	660	700	740
TOTAL HEAD IN METRES													
200HH402	3.0	4.0	7.9	31	29	27	24	21	19	14	10	5	2
200HH603	4.5	6.0	11.8	47	44	41	36	32	29	21	15	8	3
200HH804	5.5	7.5	14.5	62	58	54	48	42	38	28	20	10	4
200HH1005	7.5	10.0	18.0	78	73	68	60	53	48	35	25	13	5
200HH1306	9.3	12.5	22.5	93	87	81	72	63	57	42	30	15	6
200HH1508	11.0	15.0	26.0	124	116	108	96	84	76	56	40	20	8
200HH1809	13.0	17.5	32.5	140	131	122	108	95	86	63	45	23	9
200HH2010	15.0	20.0	36.5	155	145	135	120	105	95	70	50	25	10

Note: Performance applicable to liquid of specific gravity 1 and viscosity as of water.
Pumps can be supplied on demand in 65mm dia also in 100HH, 125HH & 150 HH series.



Electricity Cost ^{only} 50%



- Portable and hygienic grade of oil-filled motor facilitates use of anti-friction bearings (instead of journal bearings) resulting in smooth running and trouble-free operation of pumpset.
- **Stator is easily rewindable.**
- **Insulation : Class 'F'.**
- **Wider voltage range :** Three Phase 280 V to 430V (Rated Voltage : 415V)
- Maximum starts / stops per hour : 30

Applications

- Sprinkler and drip irrigation systems
- Farm houses, nurseries and gardening

Range

Head : 7-248 metres
 Capacity : 320-5 LPM
 Rating : 0.37 kW-4.1 kW
 (0.50 HP-5.5 HP) for three phase

Material of Construction

Pump

Pump Housing : Stainless Steel
 Pump Shaft : Stainless Steel
 Suction Bracket : Stainless Steel
 Discharge Nozzle : Stainless Steel
 Stage Bowl : Stainless Steel
 Impellers : Noryl
 Diffusers : Noryl
 Strainer : Stainless Steel

Motor

Motor Housing : Stainless Steel
 Motor Shaft : Stainless Steel
 Motor Topshield : Cast Iron (Ni plated)
 All Hardware : Stainless Steel

Features

Pump

- Light weight and compact.
- Higher efficiency resulting in lower operating cost
- Unique design of impellers and diffusers leading to reduction in axial thrust on motor shaft.
- Non overloading power characteristics ensures trouble free operation in the entire operating range.
- Lower number of stages for a given performance.
- Easy assembling, dismantling and repairing; because of hexagonal shaft design.
- Strainer is inside the housing, hence no chance of damage.
- Can be installed with HDPE / UPVC / GI pipes.
- Flatter efficiency curve ensures better performance in the entire operating range.
- **Can also be installed horizontally.**

Motor:

- Anti-friction bearings for axial / radial loads give better life to motor.

WINNER -02

PIPE SIZE: 32mm

MODEL	kW	HP	Rated Current		DISCHARGE IN LPM					
			1Ø	3Ø	5	10	15	20	25	30
					TOTAL HEAD IN METRES					
KU4-0214 T	0.37	0.50	3.5	1.4	69	64	57	48	42	30
KU4-0221 T	0.55	0.75	4.5	1.9	102	95	86	73	63	44
KU4-0228 T	0.75	1.02	5.8	2.5	136	127	115	98	85	60
KU4-0234 T	1.1	1.5	7.9	2.9	164	154	139	116	100	70
KU4-0240 T	1.1	1.5	7.9	2.9	192	180	164	138	119	83

WINNER -03

PIPE SIZE: 32mm

MODEL	kW	HP	Rated Current		DISCHARGE IN LPM							
			1Ø	3Ø	10	15	20	25	30	35	45	
					TOTAL HEAD IN METRES							
KU4-0307 T	0.37	0.50	3.5	1.4	44	42	39	36	32	28	17	
KU4-0310 T	0.55	0.75	4.5	1.9	62	60	56	51	46	40	24	
KU4-0311 T	0.75	1.02	5.8	2.5	70	65	62	57	51	44	26	
KU4-0314 T	0.75	1.02	5.8	2.5	86	83	79	72	65	55	33	
KU4-0318 T	1.10	1.50	7.9	2.9	111	107	101	93	83	72	43	
KU4-0321 T	1.10	1.50	7.9	2.9	130	125	118	108	97	84	50	
KU4-0328 T	1.50	2.00	11	4.9	172	167	157	144	129	112	67	
KU4-0334 T	2.20	3.00	-	6	210	202	191	175	157	136	80	
KU4-0340 T	2.20	3.00	15	6	248	238	225	206	185	160	96	

Product Catalogue

WINNER -07

PIPE SIZE: 32mm

MODEL	kW	HP	Rated Current		DISCHARGE IN LPM					
					15	30	45	60	75	90
			1Ø	3Ø	TOTAL HEAD IN METRES					
KU4-0704T	0.37	0.50	3.5	1.4	28	25	23	20	15	8
KU4-0707T	0.55	0.75	4.5	1.9	50	44	40	34	26	16
KU4-0709T	0.75	1.02	5.8	2.5	60	57	52	44	33	22
KU4-0713T	1.10	1.50	7.9	2.9	88	82	74	64	48	29
KU4-0718T	1.50	2.00	11	4.5	120	113	103	88	66	40
KU4-0722T	1.90	2.50	13.8	-	132	127	120	107	90	86
KU4-0727T	2.20	3.00	15	6	179	170	155	132	100	60
KU4-0736T	3.00	4.00	-	8.5	239	227	208	176	133	83

WINNER -08

PIPE SIZE: 32mm

MODEL	kW	HP	Rated Current		DISCHARGE IN LPM				
					40	60	80	100	120
			1Ø	3Ø	TOTAL HEAD IN METRES				
KU4-0807T	0.75	1.02	5.8	2.5	39	36	32	27	20
KU4-0810T	1.10	1.50	7.9	2.9	56	52	46	38	27
KU4-0814T	1.50	2.00	11	4.5	78	72	63	51	37
KU4-0817T	1.90	2.50	13.8	5.3	94	87	77	62	45
KU4-0821T	2.20	3.00	15	6	116	107	95	77	56
KU4-0828T	3.00	4.00	-	8.5	155	143	126	105	75
KU4-0838T	4.10	5.50	-	10.5	210	195	173	143	104

WINNER -15

PIPE SIZE: 50mm

MODEL	kW	HP	Rated Current		DISCHARGE IN LPM				
					60	90	120	150	180
			1Ø	3Ø	TOTAL HEAD IN METRES				
KU4-1504T	0.55	0.75	4.5	1.9	23	21	18	13	8
KU4-1505 T	0.75	1.02	5.8	2.5	29	26	22	17	10
KU4-1507 T	1.10	1.50	7.9	2.9	40	37	31	24	14
KU4-1509 T	1.50	2.00	11	4.5	51	47	40	30	18
KU4-1512 T	2.20	3.00	-	6	68	62	52	40	24
KU4-1514 T	2.20	3.00	-	6	80	73	62	47	28
KU4-1519 T	3.00	4.00	-	8.5	109	99	84	64	38
KU4-1524 T	4.10	5.50	-	10.5	137	125	106	81	48

WINNER -15

PIPE SIZE: 50mm

MODEL	kW	HP	Rated Current		DISCHARGE IN LPM				
					120	170	220	270	320
			1Ø	3Ø	TOTAL HEAD IN METRES				
KU4-2504T	1.10	1.50	7.9	2.9	17	17	15	11	7
KU4-2506T	1.50	2.00	11	4.5	26	26	22	17	11
KU4-2507 S	2.20	3.00	13.8	6.0	30	30	26	19	12
KU4-2509T	2.20	3.00	15	6.0	39	39	33	25	16
KU4-2512 T	3.00	4.00	-	8.5	52	52	44	34	22
KU4-2516 T	4.10	5.50	-	10.5	69	69	59	59	29

Note: The values given in Highlighted columns of above tables indicated the recommended operating range of the pumps.

Cable Selection Chart at Rated Voltage, 50 Hz, Single / Three Phase Motors (Considering Ambient Temperature, 40°C and 3% Voltage Drop)

MOTOR TYPE	MOTOR RATING		FULL LOAD CURRENT (IN AMPS) FOR OIL FILLED	3 CORE CABLE SIZE IN Sq. mm.						
				1.0	1.5	2.5	4.0	6.0	10.0	16.0
	kW	HP		LENGTH OF CABLE IN METRES						
THREE PHASE 415V	0.37	0.5	1.4	424	140	-	-	-	-	-
	0.55	0.75	1.9	201	108	368	-	-	-	-
	0.75	1.02	2.5	152	68	322	-	542	-	-
	1.10	1.5	2.9	134	54	230	510	417	687	-
	1.50	2.0	4.5	95	-	177	364	257	-	-
	2.20	3.0	6.0	73	-	107	280	207	-	-
	3.0	4.0	8.5	-	-	87	167	-	-	-
4.10	5.5	10.5	-	-	-	138	-	-	-	

Note : The table states the maximum allowable length in metres for three core, flat PVC sheathed, submersible copper cables for installation where site voltages are normal. For the low site voltage conditions, it is advised to go for the next higher cable size.

Example : For pumpset having motor of 1.1 kW(1.5HP) and 150 of cable length; referring the selection chart, the correct cable size to be used is 1.5 sq. mm. It is recommended to get the bore flushed / cleaned to get longer and trouble free service from the pumpsets.