



**Electricity Cost** <sup>only</sup> 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

### 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.

### 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

### 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					
			1Ø	3Ø	15	30	45	60	75	90
			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					
			1Ø	3Ø	40	60	80	100	120	
			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					
			1Ø	3Ø	60	90	120	150	180	
			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					
			1Ø	3Ø	120	170	220	270	320	
			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.						
	kW	HP		1.0	1.5	2.5	4.0	6.0	10.0	16.0
	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.