

KAI
UGT Submersible Pump

Pluga  **Franklin Electric**

HAPPINESS WILL GROW
AS PROSPERITY WILL **FLOW**



Salient Features

- Compact & energy efficient
- 10 mtrs built-in cable for connection outside water tank for minimizing electrical hazard
- Designed to start at low voltage and to work under wide voltage
- Corrosion free components for rust free operation
- Digital pump controller for enhancing protection and system reliability
- Digital display of voltage and current

 **10 METER CABLE**



MATERIAL OF CONSTRUCTION - KAI

PART NAME	MATERIAL
MOTOR BODY	SS 410
BEARING HOUSING	C I FG 200
MOTOR SHAFT	SS 410
ROTOR	ALUMINIUM
THRUST BEARING	SS 410

PART NAME	MATERIAL
IMPELLER	NORYL
DIFFUSER	C I FG 200
DELIVERY CASING	C I FG 200
FRONT & REAR HOUSING	C I FG 200
BUSH BEARING	BRONZE LTB - 4

SELECTION CHART FOR 1-PH UNDERGROUND TANK (UGT) SUBMERSIBLE PUMP

2900 RPM

PERFORMANCE CHART AT 2900 RPM, 230V, SINGLE PHASE, 50 HZ A.C. SUPPLY (VOLTAGE RANGE: 160V - 240V)

SR. NO.	MODEL	SUC X DEL (mm)	MOTOR RATING		HEAD IN METER												
			HP	kW	8	10	12	14	16	18	20	22	24	26	28	30	32
1	PLUGA KAI - 0522	25 x 25	0.5	0.37	160	140	120	100	80	55	30						
2	PLUGA KAI - 1032	25 x 25	1.0	0.75	240	235	230	225	125	205	190	170	145	120	90	60	

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THE ULTIMATE URBAN PUMP



Salient features

- Highly efficient and energy saver
- Designed for urban building & commercial usage
- 6 meters of built-in cable for connection outside tank to avoid electrical hazards
- Rotating parts are dynamically balanced for longer life
- Rubber pads for better stability
- High quality thrust bearing
- Rust free construction with SS fasteners
- Robust construction, sturdy operation



MATERIAL OF CONSTRUCTION - KAI

PART NAME	MATERIAL
MOTOR BODY	SS 410
BEARING HOUSING	C I FG 200
MOTOR SHAFT	SS 410
ROTOR	COPPER(99.99%*)
BUSH BEARING	BRONZE LTB - 4
THRUST BEARING	SS 410

PART NAME	MATERIAL
IMPELLER	C I FG 200
DIFFUSER	C I FG 200
DELIVERY CASING	C I FG 200
FRONT & REAR HOUSING	C I FG 200
BUSH BEARING	BRONZE LTB - 4
STRAINER	STAINLESS STEEL

SELECTION CHART FOR 3-PH UNDERGROUND TANK (UGT) SUBMERSIBLE PUMP

2900 RPM

PERFORMANCE CHART AT 2900 RPM, 380V, THREE PHASE, 50 HZ A.C. SUPPLY (VOLTAGE RANGE : 350V - 440V)

SR. NO.	MODEL	SUC X DEL (mm)	MOTOR RATING		HEAD IN METER								
			HP	KW	28	30	34	38	42	44	46	48	50
					DISCHARGE IN LPM								
1	PLUGA KAI - 7546	65 x 50	7.5	5.5	680	660	610	530	410	300			
2	PLUGA KAI - 7552	50 x 50	7.5	5.5		560	530	500	460	430	400	360	310
3	PLUGA KAI - 10056	65 x 50	10.0	7.5		710	710	700	650	610	550	480	400