



STK series  
4" SUBMERSIBLE PUMP KIT

50HZ

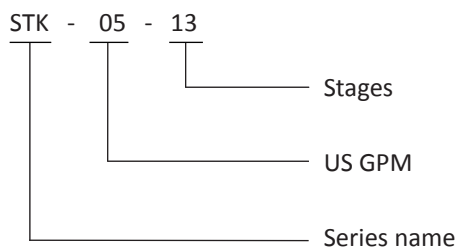


STAIRS INDUSTRIAL CO., LTD.

# STK series - 4" SUBMERSIBLE PUMP KIT

STKs are offered in an easy to order compact and complete package. Powered by the quality and reliable STAIRS motor, our STKs are built specifically for well applications. Limited models apply to heads of up to 90 meters with maximum flow rates of up to 6m<sup>3</sup>/hr.

## Model code



## Feature

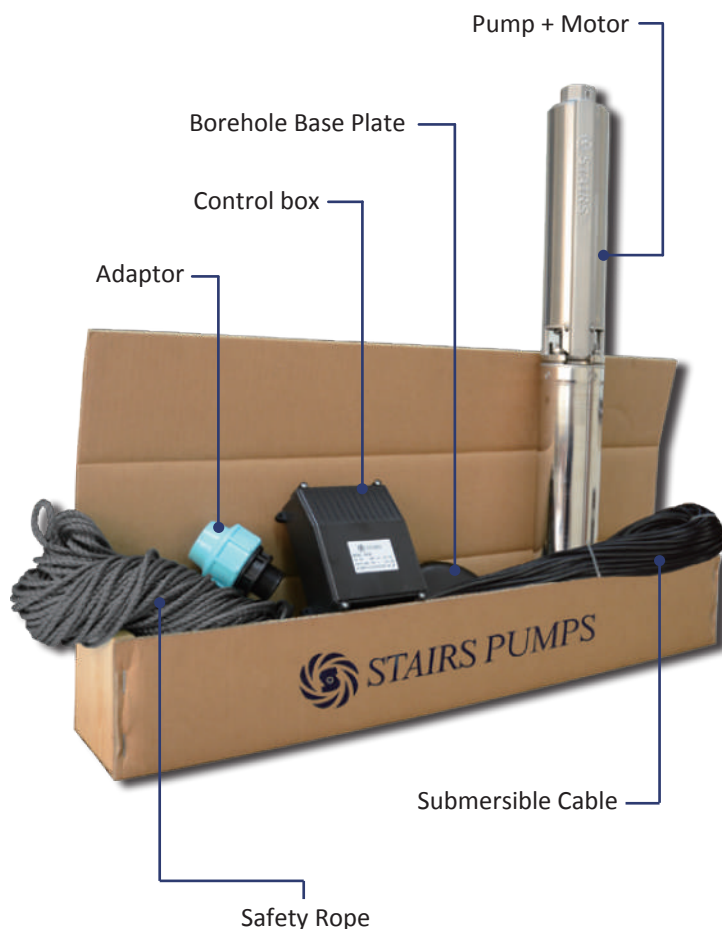
- Coupled Pump&motor
- Ready to install
- Built-in Thermal overload protector(single phase only)
- Corrosion resistance Stainless steel pump&motor
- Built-in check valve
- Easy to transport and store
- All motors 100% tested
- Built-in plug

## Applications

- Water supply
- Irrigation
- Pressure boosting

Mounting	4" NEMA standard
Power range	0.37 to 1.1 kW
Speed	2840 rpm
Insulation class	F
Degree of protection	IP 68
Type of duty	S1(Continuous)
Starts per hour	25 times
Method of starting	Permanent split capacitor (PSC)
Pump outlet size	1-1/4"
Flow rate	0.2m/sec
Max.Liquid temp	35°C
Max.Immersion depth	200m

## ST SERIES KIT



Component	Material
Discharge head	AISI 304 SS(Casted)
Pump outer shell	AISI 304 SS
Impeller	Noryl
Diffuser	Glass filled polycarbonate
Suction inter connector	AISI 304 SS(Casted)
Strainer	AISI 304 SS
Pump shaft	AISI 304 SS
Coupling	AISI 304 SS
Motor shell	AISI 304 SS
Oil seal	NBR
Mechanical seal	Ceramic/Carbon
Diaphragm	NBR

# ACCESSORIES SUPPLIED WITH PUMPSET

1 Ph Control box



50M Safety Rope



1-1/4" Borehole Base Plate



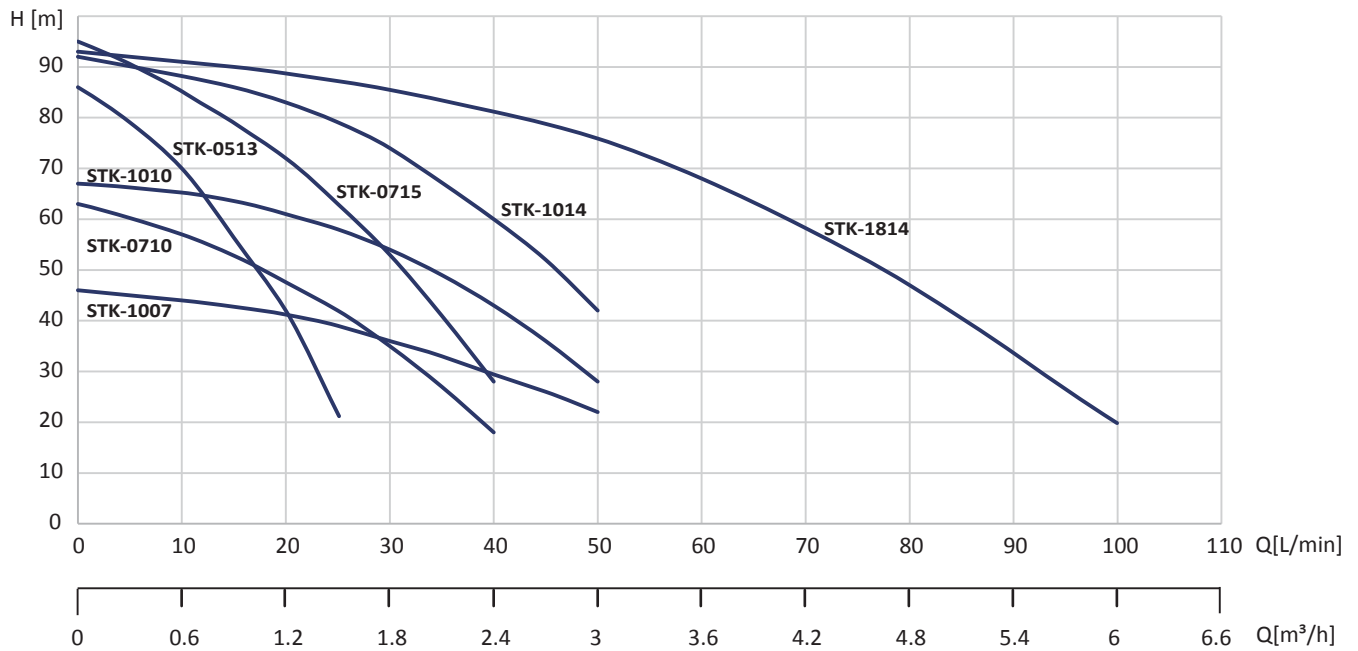
32mm x 40mm Adaptor



50M 3core Submersible Cable



## Performance curves



## Specifications

Model	Phase	Pump	Motor		Voltage	Ampere (A)		Q=DELIVERY																				
			Model	KW		HP	In	Istart	L/min 0	5	10	15	20	25	30	35	40	45	50	60	70	80	90	100				
										m³/h 0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.6	4.2	4.8	5.4	6.0			
H=TOTAL HEAD IN METERS																												
STK-0513	1Ø	ST-0513	4R201	0.37	0.5	230V	3.7	12	86	78	70	56	42	23														
STK-0710		ST-0710	4R201	0.37	0.5		3.7	12	63		57	53	47	42	35	27	18											
STK-0715		ST-0715	4R202	0.55	0.75		5.0	15	95		86	78	72	63	53	41	28											
STK-1007		ST-1007	4R201	0.37	0.5		3.7	12	46			43	42	39	36	33	29	26	22									
STK-1010		ST-1010	4R202	0.55	0.75		5.0	15	67			64	61	58	54	49	43	36	28									
STK-1014		ST-1014	4R203	0.75	1.0		6.2	20	92			86	83	79	74	67	60	52	42									
STK-1814		ST-1814	4R204	1.1	1.5		8.1	32	93							87	86	83	81	79	76	68	58	47	33	20		

In view of the continuous developments the information/descriptions/specifications/illustration are subject to change without prior notice.



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