

Maxi Kit



C.R.I. PUMPS
Pumping trust. Worldwide.

MK Series - 4" Submersible Pump Kit

In view of meeting the customer's expectation & simplifying the installation process C.R.I. with its 5 decades of experience in pump industry has introduced a first in its kind compact submersible pump kit called Maxi Kit under MK series. This series consist limited models suitable mainly for low head applications up to 50 meters with maximum flow of 5.5m³/h. This Maxi Kit comprises the following items and supplied all in one pack.

- 4" Submersible pump • 4" L series oil filled motor • Control box (For single phase only) • 50 mtrs spliced drop cable
- 50 mtrs safety Rope • Borehole base plate • Adaptor.

FEATURES

- Factory coupled Pump & motor with 50 mtrs spliced drop cable • Ready to install • Built-in Thermal overload protector
- Corrosion resistance Stainless steel pump & motor body • Pumps with built-in check valve • Packed in single carton
- Easy to transport and store • NEMA standard Mounting standards.

SPECIFICATIONS

NOMINAL DIA.	4" (100mm)
Power range	0.37 to 1.1kW
Speed	2900 rpm
Version	1 Ph, 230V, 50Hz, A.C Supply 3 Ph, 380V, 50Hz, A.C Supply
Class of insulation	"B"
Degree of protection	IP 68
Type of duty	S1 (Continuous)
Min. Cooling flow	0.15m/s
Max. Liquid temp.	33°C
Max. Immersion depth	150m
Starts per hour	20 times
Method of starting	Permanent split capacitor (PSC)
Pump outlet size	1 1/4"

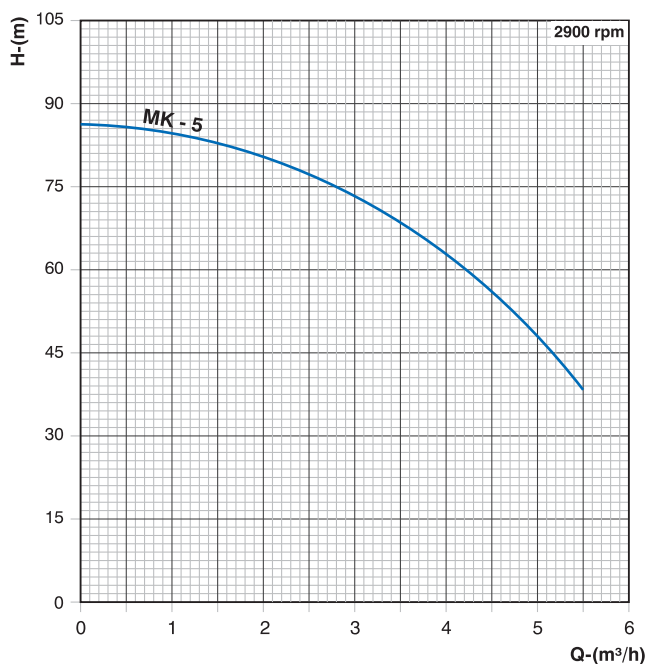
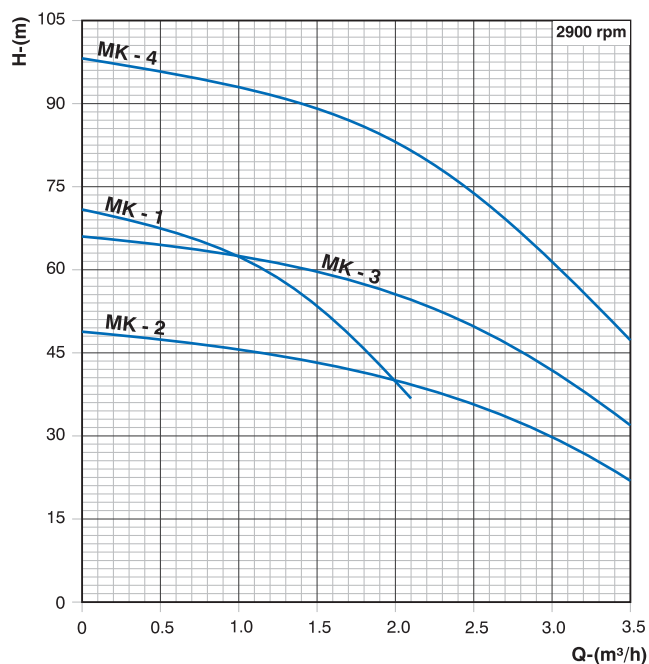
MATERIALS OF CONSTRUCTION

PART NAME	MATERIAL
Discharge Outlet	S.S - 304 (Casted)
Pump Outer Shell	S.S - 304
Impeller	Thermo Plastic (POM)
Diffuser	Thermo Plastic (PPO / PC)
Suction Inter Connector	S.S - 304 (Casted)
Inlet Screen	S.S - 304
Pump Shaft	S.S - 431
Coupling	S.S - 304
Motor Outer Shell	S.S - 304
Oil Seal	Nitrile Rubber (NBR)
Mechanical Seal	Carbon / Silicon
Diaphragm	Nitrile Rubber (NBR)



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PERFORMANCE CURVES



PERFORMANCE TABLE

PUMP MODEL	MOTOR POWER		lps m³/h	0	0.28	0.42	0.5	0.55	0.69	0.83	0.97
	kW	HP		0	1.0	1.5	1.8	2.0	2.5	3.0	3.5
MK - 1	0.37	0.5	Head in m	71	63	53	46	40	-	-	-
MK - 2	0.37	0.5		49	46	43	42	40	36	30	22
MK - 3	0.55	0.75		66	63	60	57	56	50	42	32
MK - 4	0.75	1.0		98	93	89	86	83	73	62	47

PUMP MODEL	MOTOR POWER		lps m³/h	0	0.55	0.83	0.97	1.11	1.25	1.39	1.53
	kW	HP		0	2	3	3.5	4	4.5	5	5.5
MK - 5	1.1	1.5	Head in m	86	80	76	68	64	56	48	38

Suffix letter "T" in model name for 3 Phase models

ACCESSORIES SUPPLIED WITH PUMPSET



1 Ph Control box



Safety Rope



50m 3core Submersible Cable



32mm x 40mm Adaptor



Borehole Base Plate

In view of the continuous developments the Information / Descriptions / Specifications / illustrations are subject to change without prior notice.

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