



# MINI & MAXI BOREHOLE PUMP KIT



# PRODUCT CATALOGUE

# MK SERIES - 4' SUBMERSIBLE PUMP KIT

To meet customer expectations and streamline the installation process, CRI, with over five decades of experience in the pump industry, has launched a groundbreaking compact submersible pump kit as part of the MK Series. This series offers a select range of models designed primarily for low head applications up to 50 meters, with a maximum flow rate of 5.5m<sup>3</sup>/h.

## MINI KIT CONSISTS OF



**4" Submersible pump,  
4" L Series oil filled Motor  
Control box**

## MAXI KIT CONSISTS OF



**4" Submersible pump,  
4" L Series oil filled Motor  
Control box  
50 mtrs spliced drop cable  
50 mtrs safety rope  
Borehole base plate  
Adaptor**

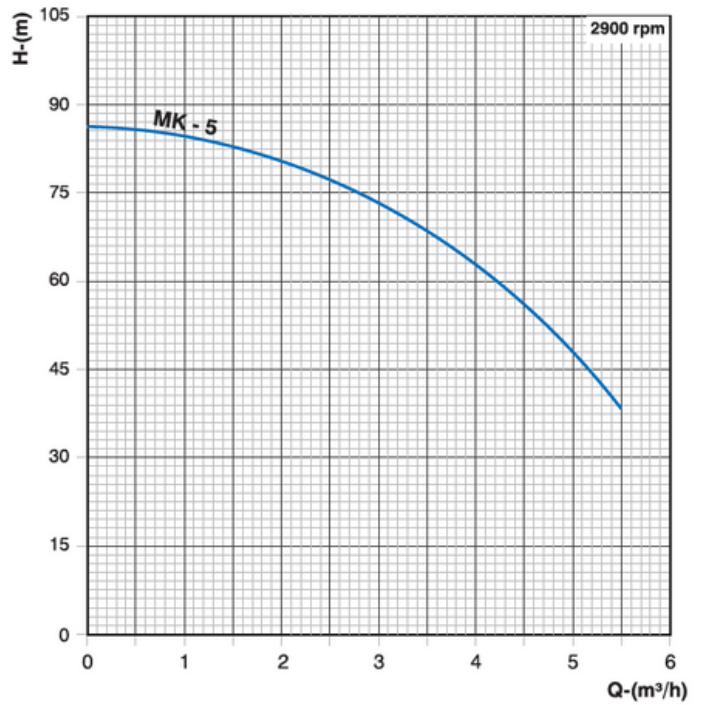
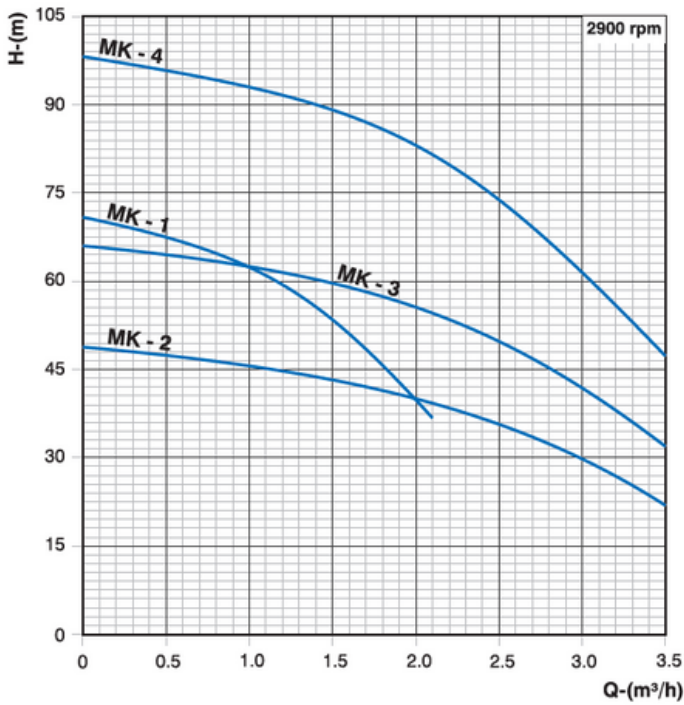
# SPECIFICATIONS

<b>NOMINAL DIA.</b>	<b>4" (100mm)</b>
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	1¼"

# MATERIALS OF CONSTRUCTION

<b>PART NAME</b>	<b>MATERIAL</b>
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)

# 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



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