

Maxi Kit



C.R.I. FLUID SYSTEMS

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 between 50 to 70 meters with maximum flow of 6.5m³/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)
- Specified length drop cable
- Safety Rope
- Borehole base plate
- Adaptor.

FEATURES

- Factory coupled Pump & motor with Specified length 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	1¼"

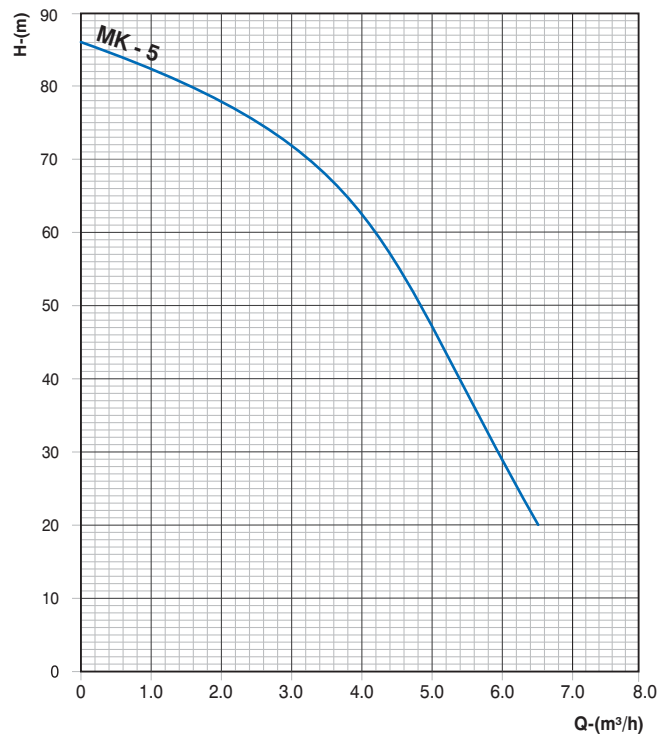
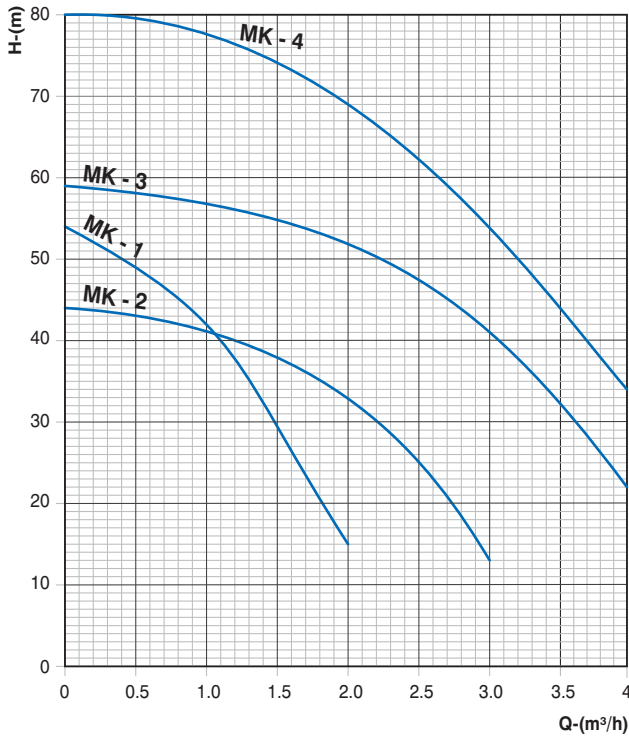
MATERIALS OF CONSTRUCTION

PART NAME	MATERIAL
Discharge Outlet	Polyamide (Nylon-6)
Pump Outer Shell	S.S - 304
Impeller	Acetel (Delrin)
Diffuser	PPO (Noryl)
Suction Inter Connector	Polyamide (Nylon-6)
Inlet Screen	S.S - 304
Pump Shaft	S.S - 304
Coupling	S.S - 329
Motor Outer Shell	S.S - 304
Oil Seal	Nitrile Rubber (NBR)
Mechanical Seal	Carbon / Silicon
Diaphragm	Nitrile Rubber (NBR)



MK Series

PERFORMANCE CURVE




PERFORMANCE TABLE

PUMP MODEL	MOTOR POWER		lps m³/h	0	0.28	0.42	0.55	0.69	0.83	0.97	1.11
	kW	HP		0	1.0	1.5	2.0	2.5	3.0	3.5	4
MK - 1	0.37	0.5	Total Manometric Head in Metres	54	42	29.5	15	-	-	-	-
MK - 2	0.37	0.5		44	41	38	33	25	13	-	-
MK - 3	0.55	0.75		59	56.8	55	52	47.5	41	32	22
MK - 4	0.75	1.0		80	77.5	74	69	62.2	54	44	34


PUMP MODEL	MOTOR POWER		lps m³/h	0	0.28	0.55	0.83	1.11	1.39	1.66	1.80
	kW	HP		0	1	2	3	4	5	6	6.5
MK - 5	1.1	1.5	Total Manometric Head in Metres	86	82.3	77.8	72	62.5	47	29	20

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


ACCESSORIES SUPPLIED WITH PUMPSET




1 Ph Control box




Borehole
Base Plate



32mm x 32mm Adaptor



Safety Rope



3 Core Submersible Cable

Model	Drop Cable & Safety rope length
MK-1	60m
MK-2	50m
MK-3	60m
MK-4	70m
MK-5	70m

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

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