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



Maxi-Kit

MK Series - 3" & 4" Submersible Pump Kit

C.R.I. Maxi Kit Series is an optimizely designed all-in-one solution for your groundwater pumping needs. This complete kit is designed to facilitate easy installation and reliable operation, combining essential components such as the Submersible Pump, Submersible Motor, Control Box, Drop Cable, Safety rope, Bore hole plate, and a pair of HDPE Hose Adaptors, all in a single package.

The MK Series submersible pumps are equipped with radial flow thermoplastic impellers and diffusers. These hydraulics are specifically designed for optimal performance in 3" and larger wells, making them perfect for a variety of applications such as residential, utility and other borehole pumping applications.

KEY FEATURES

- Stainless steel Discharge Outlet and Suction Interconnector
- Floating impeller design for better efficiency
- Can be easily dismantled and repaired
- NEMA Mountings for 4" Models

NEW OPTIMIZED DESIGN

APPLICATIONS

- Residences • Agriculture
- Lawn Sprinkler systems
- Fountains • Gardens



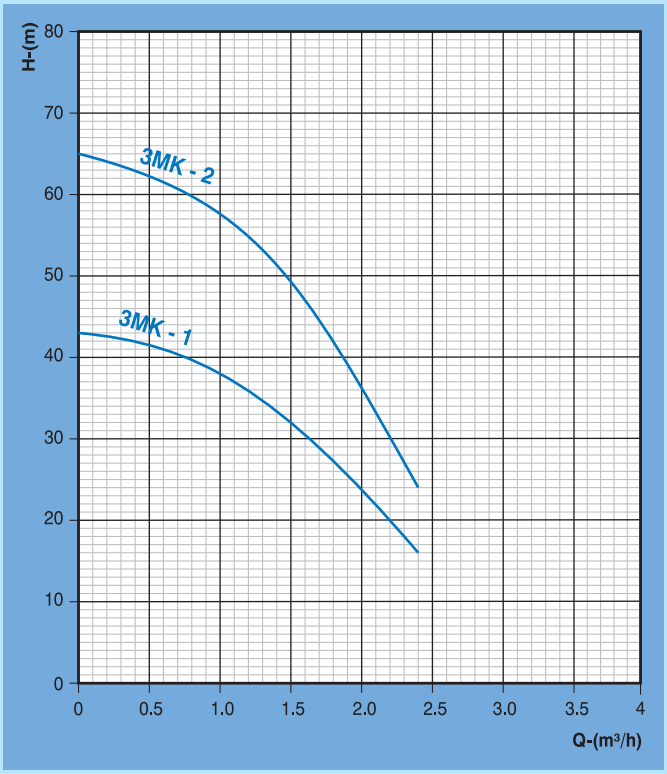
TECHNICAL SPECIFICATIONS

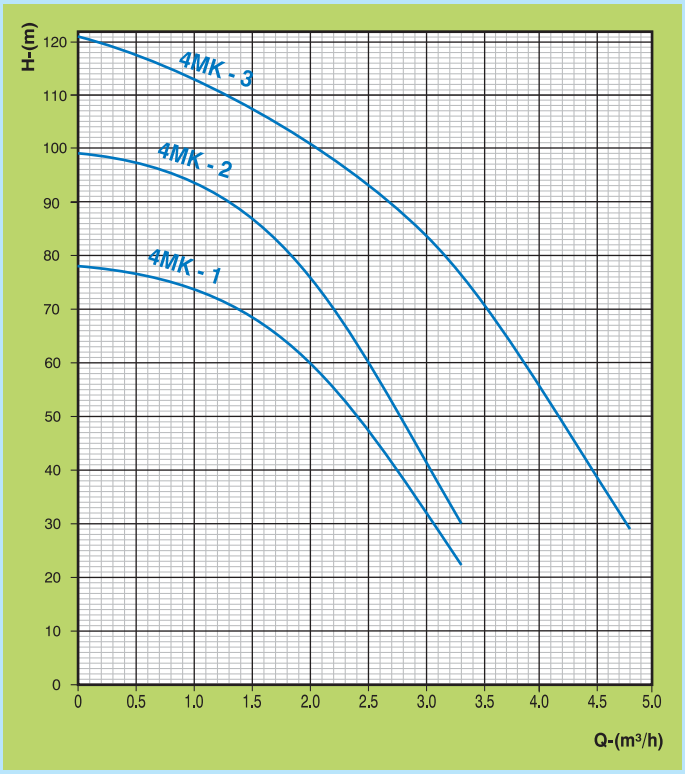
NOMINAL DIA.	3MK Series	4MK Series
Power Range	0.25 - 1.1 kW	0.55-1.1kW
Flow Range	0.3 - 2.4 m³/h	0.6 - 4.8 m³/h
Head Range	43 - 168m	78 - 121m
Outlet size	1" BSPP	1¼" BSPP
Speed	2850rpm	
Version	1 Ph, 230V, 50Hz, A.C Supply	
Class of Insulation	"B"	
Degree of Protection	IP 68	
Type of Duty	S1 (Continuous)	
Min. Cooling flow	0.15m/s	
Max. Liquid temp	30°C	
Max. Immersion depth	100m	
Starts per hour	20 times	
Method of starting	Permanent Split Capacitor (PSC)	

MATERIALS OF CONSTRUCTION

PART NAME	MATERIAL
Discharge Outlet	Stainless Steel
Pump Outer Shell	Stainless Steel
Impeller	POM (Acetal)
Diffuser	PPO (Noryl)
Suction Interconnector	Stainless Steel
Inlet Screen	Stainless Steel
Pump Shaft	Stainless Steel
Coupling	Stainless Steel
Motor Outer Shell	Stainless Steel
Oil Seal	Nitrile Rubber
Mechanical Seal	Carbon / Ceramic
Motor Winding	Copper
Diaphragm	Nitrile Rubber

PERFORMANCE CURVES





PERFORMANCE TABLE

Pump Outlet Size : 1" BSPP

Model	Pump Model	Motor Model	Power (kW)	Stages	Q (m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	3.5	Run Capacitor	Current
3MK-1	S3Y-1/10	L3Y-02N	0.25	10	Head (m)	43	42	41	39	36	32	27	22	16	-	18µF	2.5A
3MK-2	S3Y-1/15	L3Y-03N	0.37	15		65	63	61	59	55	49	41	33	24	-	25µF	3.6A

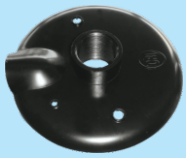
Pump Outlet Size : 1¼" BSPP

Model	Pump Model	Motor Model	Power (kW)	Stages	Q (m³/h)	0	0.6	1.2	1.8	2.4	3.0	3.3	3.6	4.2	4.8	Run Capacitor	Current
4MK-1	S4Y-2A/11	L4Y-05N	0.55	11	Head (m)	78	76	72	63	50	32	23	-	-	-	25µF	5.0A
4MK-2	S4Y-2A/14	L4Y-07N	0.75	14		99	97	91	81	63	41	30	-	-	-	30µF	6.2A
4MK-3	S4Y-3A/16	L4Y-11N	1.10	16		121	116	111	103	94	83	75	67	48	29	40µF	8.5A

ACCESSORIES SUPPLIED IN THE PACKAGE



1 Ph Control box



Borehole Base Plate



3MK - 25mm x 25mm Adaptor
4MK - 32mm x 32mm Adaptor



Safety Rope



3 Core Submersible Cable

Model	Drop Cable & Safety Rope Length
3MK-1	40m
3MK-2	60m
4MK-1	70m
4MK-2	90m
4MK-3	100m

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

C.R.I. PUMPS (PVT) LIMITED
(International Division)
7/46-1, Keeranatham Road, Saravanampatty, Coimbatore - 641 035. India.
Phone : +91-422-3911610, 3911612. Fax : +91-422-3911600, e-mail : cri@crifluidsystems.com web: crifluidsystems.com

EF-MK5-09/25-E4