

MCKARLEN

KOI - 50Hz



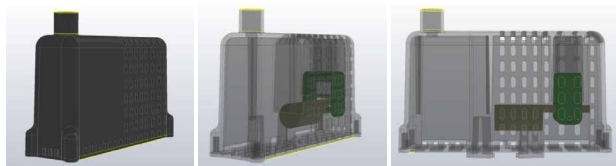
KOI SMART 25
KOI SMART 40



KOI TECH 25
KOI TECH 40

FISH POND PUMP

Smart Technology



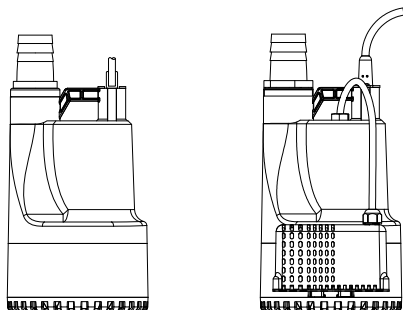
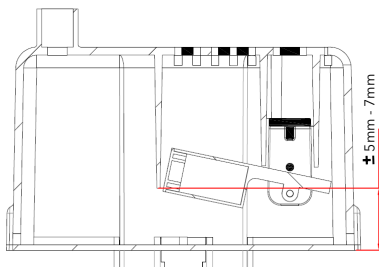
Smart Technology is a mechanical automatic on/off system designed to support the pump to run better and more efficiently in power consumption. The smart sensor has a technology that can read the water level so while the water has below the lowest sensor, then the pump will automatically stop working and continue to start work again while the sensor has submerged.

Pump Electrical Data

220 VAC 50Hz ~ 1 Phase
Maximum Ampere : 5 Amps

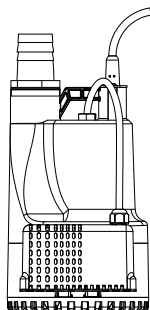
Smart Technology Features

1. Can be operated for 24 hours
2. The latest generation automatic mechanical system with better accuracy results
3. The automatic mechanical system is supported with Smart IC Controller
4. Able to pump a slightly dirty water
5. Able to pump water at the lowest range between $\pm 5\text{mm} - 7\text{mm}$
6. More efficient power consumption
7. Silent



Koi Tech

The pump is not supported with dry running protection for the rotor and shaft while the pump is running out of water that causing damaged



Koi Smart

The pump is supported with dry running protection that can automatically turn off the pump while the pump is running out of water

SPECIFICATION

OUTPUT	HEAD	FLOW
0.1 - 0.3 kW	Min : 6.5 m	Min : 70 l/min
	Max : 8.5 m	Max : 200 l/min

Motor

2 Pole, 50Hz
1 Phase
Protection Type IP68
Speed 2900/3450 rpm

Pump Material

Impeller : PP+GF
Material
Impeller : PP+GF
Casing : PP+GF
Motor Housing : PP+GF
Mechanical Seal : CA/CE
Shaft : SUS410
pH 6 up to 8
Max. liquid temp : 40°C (104°F)
Max. depth 7m

APPLICATION

- Gardening and cultivation
- Pond circulating system
- 24 hours operation in water environment



Model	Output		Outlet		Max. Flow (lpm)	Max. Head (m)	Dimension (mm)	Weight (kg)
	HP	kW	mm	inch				
Koi Tech 25	1/6	0.1	25	1	70	6.5	152x169x290	2.9
Koi Smart 25	1/6	0.1	25	1	70	6.5	152x169x290	3.1
Koi Tech 40	1/3	0.3	40	1-1/2	200	8.5	164x198x322	4.8
Koi Smart 40	1/3	0.3	40	1-1/2	200	8.5	164x198x322	5.0

