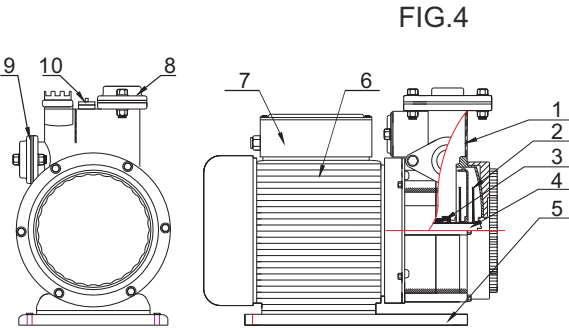


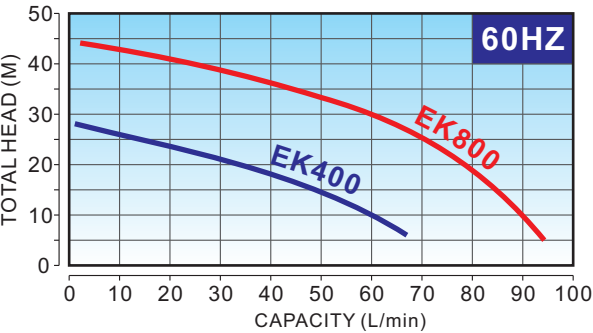
SECTIONAL DRAWING



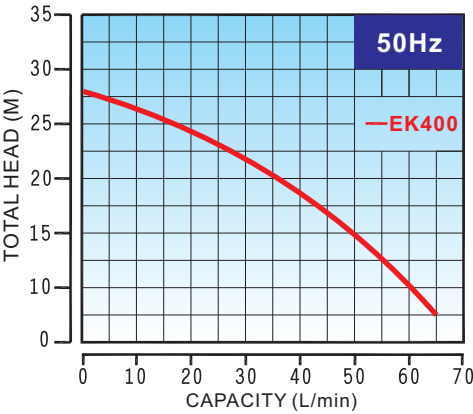
NO.	Name	Material
1	Pump Casing	FC200
2	Impeller	SUS304
3	Mechanical Seal	CA+CE+NBR
4	Shaft	SUS410
5	Base	ABS
6	Motor Shell	Aluminum Alloy
7	Wiring Box	ABS
8	Outlet Flange	FC200
9	Inlet Flange	FC200
10	Priming Plug	PC

OPERATING CONDITIONS

- 1. Liquid temperature: +5°C~+60°C
- 2. Ambient temperature: Max. 40°C
- 3. Working pressure: Max. 6 kg/cm²
- 4. Suitable for clean water, without solid particles or non-corrosive fluids.



PERFORMANCE CURVES



SPECIFICATION

MODEL	Power	PH	Voltage	Rated Current	Suction Lift	Rated Head	Rated Flow	Max. Head	Max. Flow	Dia.	Net Weight	Package Dimensions
50HZ	HP	(ø)	V	A	M	M	L/min	M	LPM	MM	KG	CM
EK400	1/2	1	220~240	3.1	5	20	36	28	70	20/25	11.2	33X21X26

MODEL	Power	PH	Voltage	Rated Current	Suction Lift	Rated Head	Rated Flow	Max. Head	Max. Flow	Dia.	Net Weight	Package Dimensions
60HZ	HP	(ø)	V	A	M	M	L/min	M	LPM	MM	KG	CM
EK400	1/2	1	110/220	5.6/2.8	5	20	32	27	70	20/25	11.2	33X21X26
EK800	1	1	110/220	11/5.5	5	28	65	45	100	25	13.8	38.5X21X26



EK-SERIES
SILENT DOMESTIC WATER PUMP
INSTRUCTION MANUAL



- SILENT OPERATION
- GREAT WATER VOLUME

ASIA AUTOMATIC PUMP CO.,LTD
MADE IN TAIWAN

OPERATION

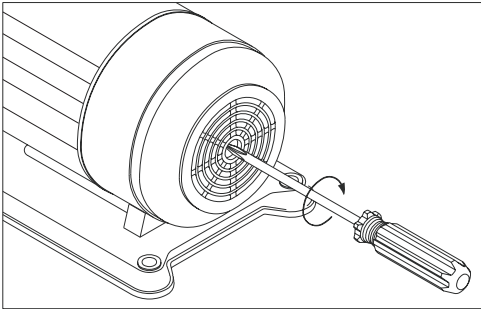


FIG.1

- 1. Make sure of using the right voltage.
- 2. Remove the priming cap and pour water into the pump and suction piping ,then secure the plug.
- 3. Insert a screw driver cross into the shaft slot , and turns the shaft 2-3 rounds to check if the pump runs normally , then open one faucet on the delivery side , the turn the power switch ON.(FIG.1)
- 4. After the power switch on, the motor should turn immediately . After a few seconds, the water should be delivered.
- 5. If the water does not be delivered immediately turn the power OFF. Repeat step 2 and set power ON/OFF continuously to make the suction piping be filled with water.

IMPORTANT NOTE

- 1. Use the right voltage and wiring by the connecting diagram. Motor must be grounded in compliance with applicable electrical code to avoid accident.
- 2. please use a sturdy foundation and bolt the pump to it securely.
- 3. Be sure to arrange earthing or circuit breaker against electric leakage.
- 4. The pump should be installed as close as to the reservoir or well to avoid the low efficiency due to the long suction pipe.

- 5. The location must be dry with good ventilation and adequate space.
- 6. Do not run without water actually pumping.Do not operate hot water (more than 60°C), or the other liquid except normal water.
- 7. Be careful not to allow the foreign matter (chips, dirt, sand, glue, etc) into the pump, or the will damage and shorten the life of pump.
- 8. Piping joints should be fitted carefully to prevent leakage.
 - a. Leakage in the suction piping will cause the pump does not function well.
 - b. If an "outlet for water " is leaking out, then the water pressure will be lowered.
- 9. Please install a check valve on suction piping.
- 10. TO avoid your furniture damage, do not install the pump on ceiling, carpet or any place close to electrical appliance, outdoor installation must covered by tent.

TROUBLE SHOOTING

(Turn the power switch OFF before fixing.)

- 1. MOTOR FAILS TO START OR RESTART AFTER A SHORT-TERM RUNNING
 - The overheating protector is mounted directly on the motor windings. It will stop the motor automatically when the motor temperature is up to abnormal, and restart the motor after the temperature back to normal in 20 minutes.
 - a. Check the electrical power source, fuse, and circuit breaker.
 - b. Check if pump is locked by rust or foreign objects.
 - c. Check if the ventilation of the location is bad for causing the overheating of motor.

- 2. When charge pump with electricity and the pump revolve normally but you find no water supply, please check it as followings.
 - a. The pump casing should be full of water , if shortage, please open the red water plug (FIG.4-10, and pour into water anew till quite brimming.
 - b. If water is leaking out from the pipe please install again there's a blockade in the drain-pipe, please clean it out.

- 3. If you can't get rid of the bug, please call to sales agent or the distributive service station.

Coverage of Application:

To be used on supplying water:

- 1. For the apartment and residences.
- 2. For the heater and agricultural irrigation.
- 3. For the garden pump and sprinkle water.

Diagram:

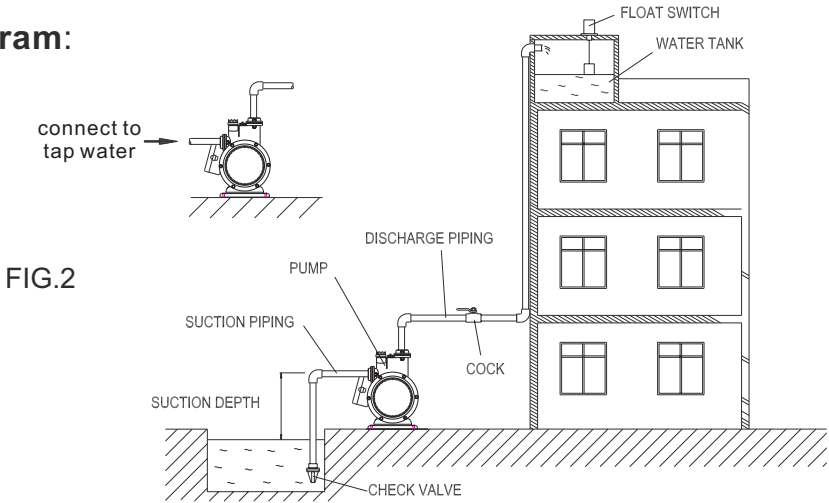


FIG.2

Dimension:

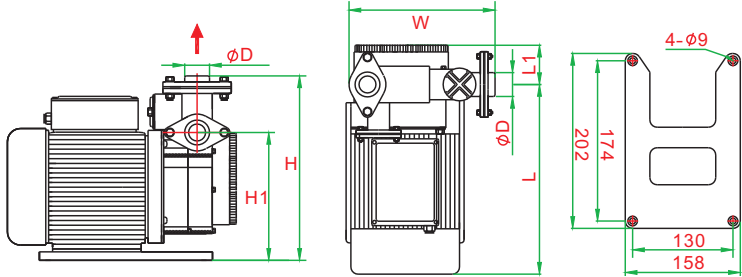


FIG.3

MODEL	L	L1	H	H1	W	ϕD
EK400	235	70	235	151	190	20/25
EK800	250	90	235	151	190	25