



Optional-EKA pump with water-proof cover

Features

1. All-in-one booster pump unit, The EKA pump is mainly consisted of pump, motor, flow sensor, and CPU board.
2. All-in-one booster pump unit, The EKA pump is mainly consisted of pump, motor, flow sensor, and CPU board.
3. Auto run and boost water pressure while water is consumed. Auto stop running while no water is consumed.
4. Dry-running shutdown protection- To avoid motor coil burnout, EKA pump will shut down within 30 seconds when dry running occurs.
5. Built-in thermal protector can prevent pipeline burst due to abnormal frequent on/off.
6. Low noise operation; More Compact design for space saving.
7. Always keep stable water pressure while using (hot) shower.

Model	Power	Activation Pressure
EKA200	1/4HP	1.4 bar
EKA400	1/2HP	1.8 bar
EKA800	1 HP	2.0 bar

- Pre-set activation pressure is adjustable by professionalist

Operating Conditions

1. Ambient Temp.: Max. 40°C.
2. Liquid Temp.: 0~40°C.
3. Relative humidity: Max. 85% (RH).
4. Working pressure: Max. 5 bar.
5. Before starting the pump, make sure inlet pressure is lower than factory pre-set activation pressure.
6. Suitable liquid: Drinking water or clean water without solid particles or non-corrosive fluid.

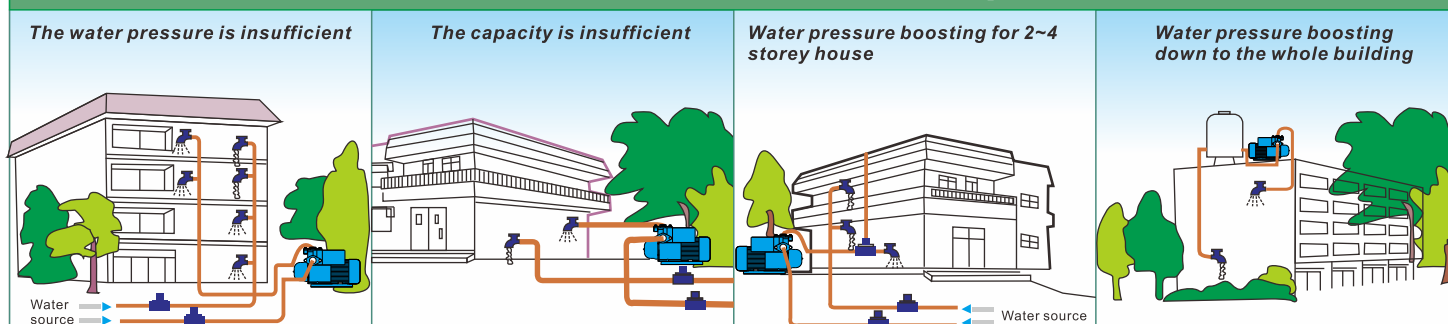
Applications

1. Auto boost water pressure to the house, apartment, villa, school, restaurant, school, beauty shop, ...etc.
2. Auto boost water pressure to garden sprinkler, heater, toilet, washing machine, sanitary equipment, ...etc.

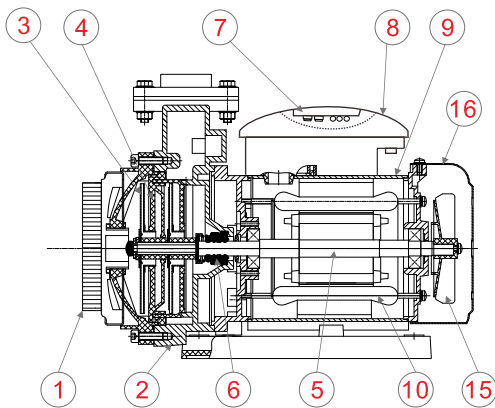
Motor Spec.

1. Voltage: 1Ø220~240V /50Hz.
2. Enclosed class: IP54.
3. Insulation: B class.
4. Enclosed Fan cooled, 2P motor.
5. Built in overload motor protector.

Installation of EKA Pump

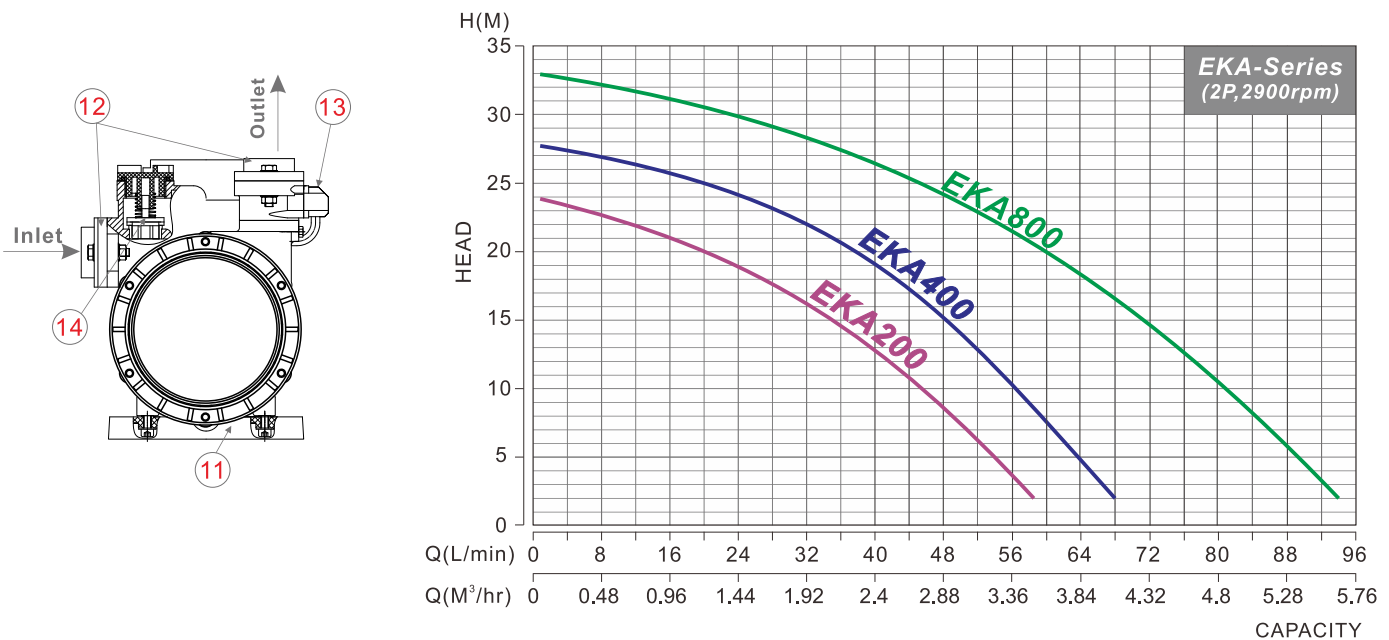


Sectional View & Materials



NO.	Name	Material	NO.	Name	Material
1	Front cover	PPO	9	Motor Shell	Aluminum Alloy
2	Pump casing	FC200	10	Motor Coil	Copper
3	Impeller	SUS304	11	Base	ABS
4	Guide Vane	PPO	12	Flanges	SS400(SS41)
5	Shaft	SUS420	13	Flow sensor	
6	Mechanical Seal	CA/CE	14	Check valve	NYLON66
7	CPU board		15	Motor fan	ABS
8	Terminal Box	ABS	16	Back cover	ABS

Performance Curves

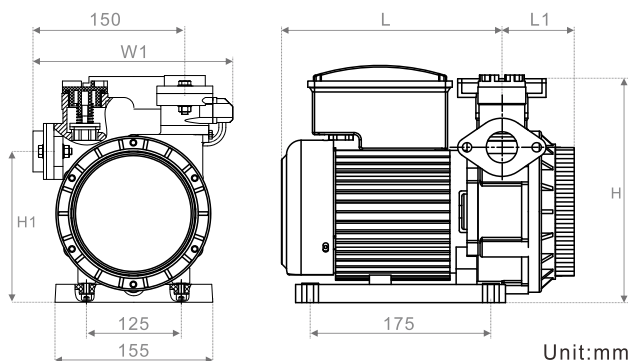


Specifications

Model	Power		Inlet/Outlet		Pole	Phase	Voltage	Pressure		Rated Head	Rated Flow	Max. Head	Max. Flow
	W	HP	Inch	mm				On (Kg/cm ²)	Off (Kg/cm ²)				
EKA200	180	1/4	3/4"	20	2	1	220~240	1.4	2.4	15	35	24	60
EKA400	370	1/2	1"	25	2	1	220~240	1.8	2.8	20	38	28	70
EKA800	750	1	1"	25	2	1	220~240	2.0	3.3	25	45	33	95

Suction Lift: Max. 4M

Dimensions



Model	Dimensions (mm)					Net Weight (KG)
	L	L1	W1	H	H1	
EKA200	215	95	210	235	150	11.2
EKA400	235	95	210	235	150	12.8
EKA800	260	95	210	235	150	14.5