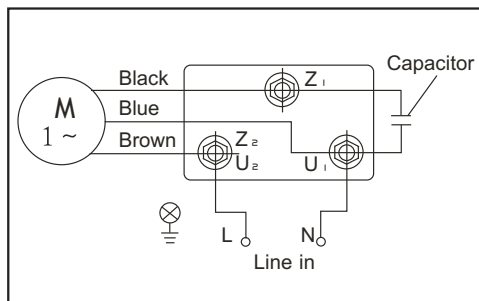
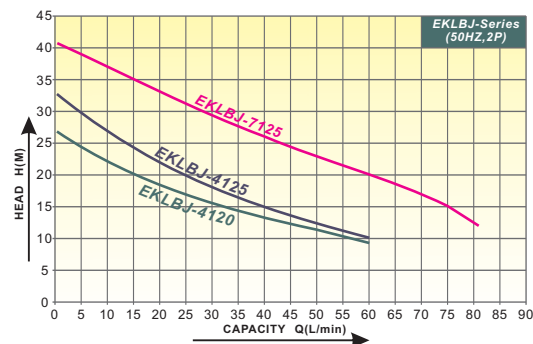


## ELECTRONIC CONNECTION



## PERFORMANCE CURVES



## SPECIFICATION

MODEL	Power		Pole	PH	Inlet/Outlet		Suction Lift	Rated		Maximum		Net Weight	Packing Dimensions
	HP	KW	P		( $\varnothing$ )	mm	M	Head M	Capacity L/min	Head M	Capacity L/min	KG	MM
EKLB-J-4120	1/2	0.37	2	1	3/4"	20	9	15.5~17	30~25	27	70	7	370*180*230
EKLB-J-4125	1/2	0.37	2	1	1"	25	9	15~18	40~30	33	70	7	380*190*230
EKLB-J-7125	1	0.75	2	1	1"	25	9	23~26	50~40	41	90	9.5	380*195*270

## Troubleshooting



Before starting work on the pump, make sure that the electricity supply has been switched off and that it cannot be accidentally switched on.

Problem	Cause	Remedy
1. pump does not start	a. No power supply	Connect the electricity supply
	b. Too low/high voltage	Check if supply voltage is within $\pm 10\%$
	c. Shaft jammed	Place a screwdriver against the shaft end of the motor to check if the rotor will spin freely, and contact your pump supplier.
	d. Thermal protector breakdown	Replace new one by professionals
2. Pump cuts out during operation	a. Shaft jammed	Same as above
	b. Overloaded motor	Turn off the power supply and restart or contact your pump supplier.
	c. Poor water supply (Thermal protector shut off)	Check if pump suction inlet is blocked.
3. Electric shock	a. Ineffective grounding	Reactivate grounding.
4. Pump runs normally but with very low discharge flow.	a. Impeller worn out	Replace impeller by professionals
	b. Poor water supply	check if water supply is adequate and if the suction pipe is blocked.
	a. Foot valve clogged	Clean it or replace new one.
5. There is no suction. Motor still runs, but pump give no pressure	a. Foot valve is not submerged	Make sure if suction pipe is submerged.

ED1309A



# EKLB-J-SERIES Stainless Steel Self-priming Jet Pump Instruction Manual



EKLB-J-4120



EKLB-J-7125



EKLB-J-4125

ASIA AUTOMATIC PUMP CO., LTD  
MADE IN TAIWAN

## ▲ OPERATION

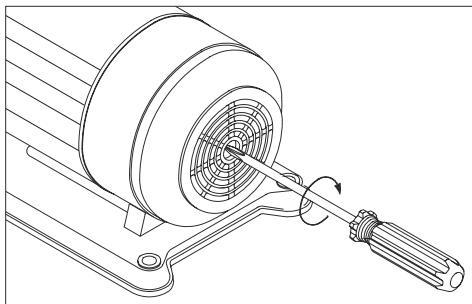


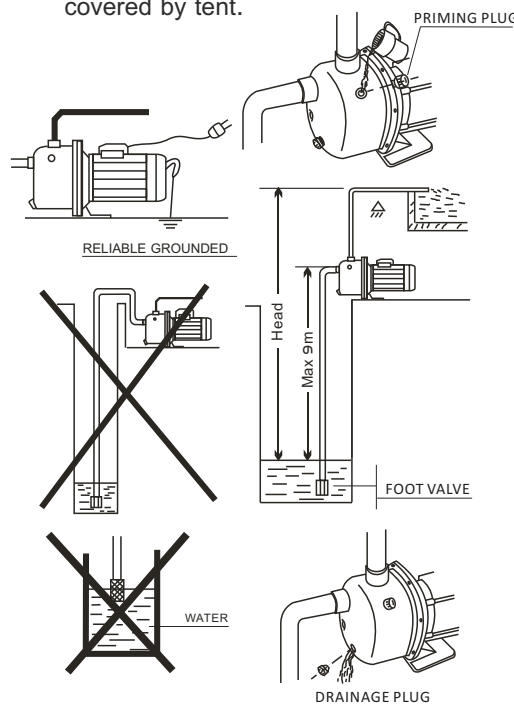
FIG. 1

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.

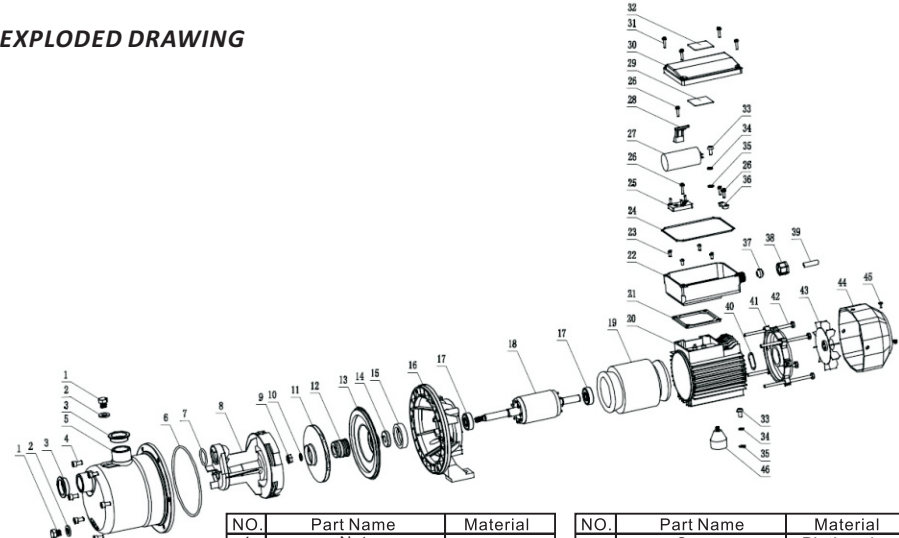
## ▲ IMPORTANT NOTE

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 50°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.



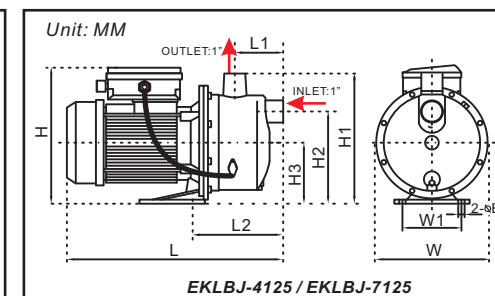
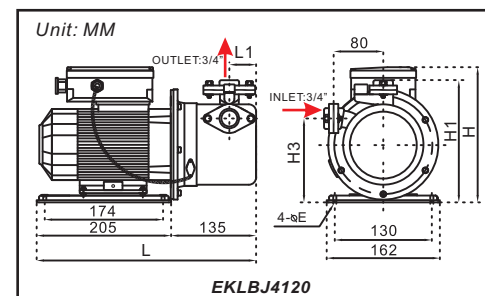
## ▲ EXPLODED DRAWING



NO.	Part Name	Material
1	Nut	SUS304
2	Washer	PA66
3	Seal cover	PP
4	Bolt	SUS304
5	Pump casing	SUS304
6	O-ring	NBR
7	O-ring	NBR
8	Ejector	Pa66
9	Nut	SUS304
10	Spring Washer	SUS304
11	Impeller	SUS304
12	Mechanical seal	CA/CE/NBR
13	Flange cover	SUS304
14	Seal ring	NBR
15	Flange cover pad	NBR
16	Flange	ADC12
17	Bearing	
18	Rotor with shaft	
19	Stator	
20	Motor base	ADC12
21	Terminal box pad	NBR
22	Terminal box	ABS flame resistant

NO.	Part Name	Material
23	Screw	Plating zinc
24	O-ring	NBR
25	Contact point	
26	Screw	Plating zinc
27	Capacitor	
28	Capacitor gland	ABS flame resistant
29	Wiring diagram	Sticker
30	Terminal box cover	ABS flame resistant
31	Screw	SUS304
32	Nameplate	Sticker
33	Screw	SUS304
34	Spring pad	SUS304
35	Pad	SUS304
36	Cable gland	ABS flame resistant
37	Plug	NBR
38	Nut	ABS
39	Cable	
40	Wave spring washer	
41	Back cover	ADC12
42	Bolt	Plating zinc
43	Fan	PP
44	Fan cover	PC+ABC

## ▲ DIMENSIONS



Model	Power	Inlet/Outlet	L	L1	L2	W	W1	H	H1	H2	H3	E
EKLBJ-4120	1/2HP	3/4"	340	45	---	---	---	205	190	130	---	8
EKLBJ-4125	1/2HP	1"	365	88	197	170	100	195	178	130	88	8
EKLBJ-7125	1HP	1"	354	80	160	184	98	228	202	150	98	10