

Supreme Quality Dishwasher

DolPhin

INSTRUCTION MANUAL



Premium-line Dishwasher **DW-4000 Series**

DW-4000i / DW-4000S
DW-4000ie / DW-4000Se



DOLPHIN CO.,LTD
32, 229 Rd., Oksan-Str., Wonmi-Gu, Bucheon-Si, Gyeonggi-Do, 420805 Korea
TEL. 82-32-612-3456 FAX. 82-32-682-3814

The specification is subject to change without notice for improvement and the color could be different from real product.



Customer Satisfaction **Quality!**
World best **Technology!**

Dolphin Automatic Dishwasher

Supreme Quality Dishwasher

Dolphin

DW-4000 Series Features



Jet-beam wash arm

3D jet-beam spray nozzle
Waterfall shower by rotating arm



Roof rinse nozzle

Upward rinse nozzle for roof cleaning
Prevention from detergent re-contamination



Simple & visible display

Easy to set wash cycle
LED allocation at each mode



“Cyclon” filter

Keeping wash water clean by filtering and draining food debris.
Triple filtering system
Patented technology

8. Contact information

■ Memo



Customer Satisfaction **Quality!**
World best **Technology!**

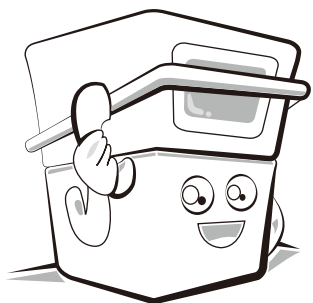
Dolphin Automatic Dishwasher

Supreme Quality Dishwasher

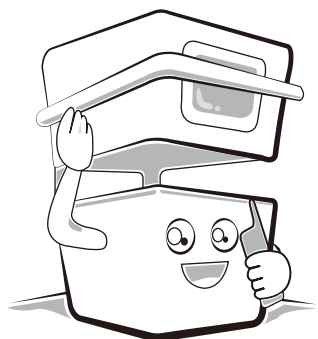
Dolphin

- 02 FEATURES
- 04 USE CAUTION
- 06 PART NAME
- 07 CONTROL PANEL
- 08 TIP FOR DISHWASHING & CLEANING
- 10 TROUBLE SHOOTING
- 12 DIMENSION & SPECIFICATION
- 14 A/S INFORMATION
- 15 CONTACT INFORMATION

7. A/S information



Before A/S request,
please check trouble shooting
and
follow out instruction.



Please ask Dolphin agent
for purchasing of dishwasher,
accessory and chemicals



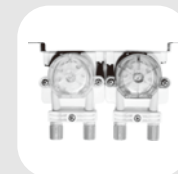
Super(S-type) wash arm

Patented technology
Free from residual detergent
Patented technology



Bracket Heater

Outstanding durability
Variable heater capacity



Dispenser

Built-in dispenser
Automatic supply of chemicals



Energy-saving device (optional)

Recycling drained water heat
High energy efficiency
Patented technology

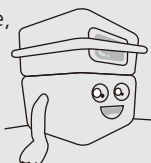


Customer Satisfaction **Quality!**
World best **Technology!**

Dolphin Automatic Dishwasher

1-1 Installation

Make sure to ground the wire, to avoid electrical shock & leakage

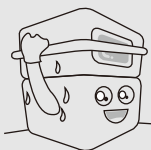


Make sure to install machine where have good vent & no flammable agent

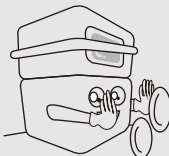


1-2 Operation

Never open the door while operating to avoid a burn by hot water



Do not the tablewares reactive with acids and alkalis etc



1-3 Maintenance

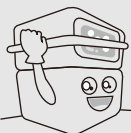
Do not put thing on top of dishwasher that may cause of mechanical defects



Do not spray water to the machine that can cause electrical leakage while cleaning M/C



Keep the door closed while not operating to avoid a burn by hot water

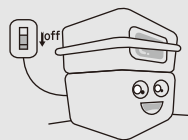


Wear impervious gloves and apron while cleaning and operating

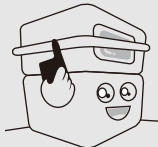


1-4 Malfunction

In case of malfunction, turn off the circuit breaker.



Call service center if any problem Only an authorized technician is possible for maintenance

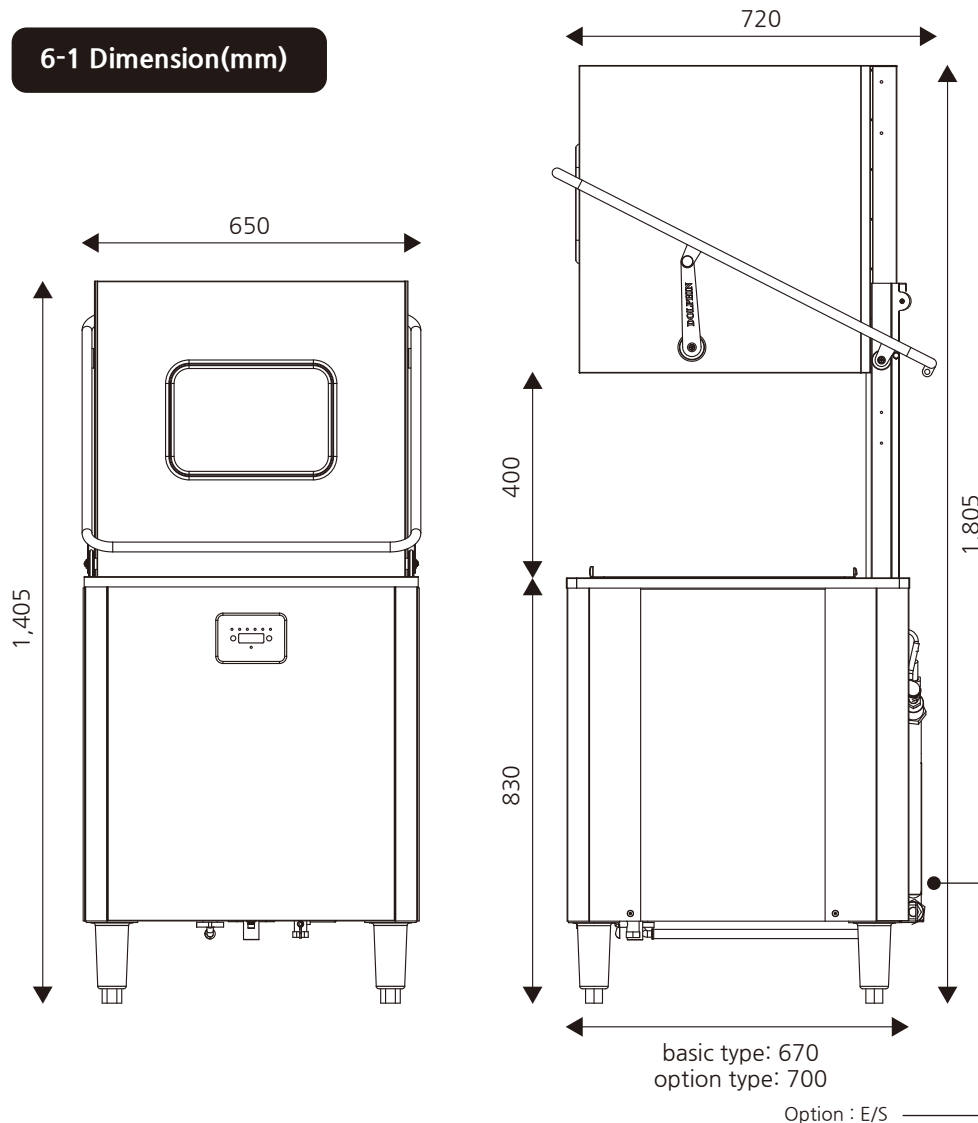


6. DIMENSION & SPECIFICATION

6-2 Specification

type		Door-type dishwasher		
Model		4030i/S	4060i/S	4090i/S
Dimension		650mm x 720mm x 1405mm		
Door clearance		400mm		
Weight		105Kg	110Kg	115Kg
Power supply		220V 1PH	380V 3PH	380V 3PH
Total electricity		4.2kW	7.2kW	10.2kW
Pump	Wash	1.2kW		
	Rinse	0.13kW		
Heater	Tank	1kW		
	Booster	3.0kW	6.0kW	9.0kW
Wash arm(upper)		Rotary / Fixed wash arm		
Tank	Wash	42L		
	Rinse	20L		
Recommended supply water temp.		40℃		
Temp.	Wash	60-65℃		
	Rinse	80-85℃		
Wash capacity / Hour	Simple	69 Racks/Hr		
	Standard	46 Racks/Hr		
	Strong	32 Racks/Hr		
	User mode	25-73 Racks/Hr		
Controller	Remote Controller	Standard		
	Panel Controller	Optional		
Dispenser		Built-in		
Energy-saving device		Optional		
Chemicals		Low foaming detergent		
		Rinse aid		

6-1 Dimension(mm)



1-5 Chemicals (Detergent & Rinse aid)

Never wash the vessels poisoned that can be dangerous if contaminated to the dishes



Never put an inflammable liquid into the tank can cause explosive accident



Do not get the detergent in skin, clothes and eyes when exchanging chemicals Severely corrosive to skin, eyes and clothes



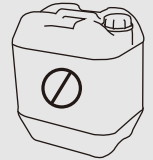
Do not vomit if drinking detergent. Instead drink two glasses of water and go to see a doctor



Use only low foaming genuine dishwasher detergent. High foaming soaps can be obstacle for good wash



Keep chemical agents away from children



1-6 Safety from electrical leakage and shock prevention

Equip earth leakage breaker and make sure to ground the wire to avoid an electrical accident



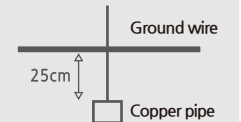
Never ground to a gas pipe - Never to connect explosive materials



Connect -1
Connect the wire to metal pipe [no PVC pipe]



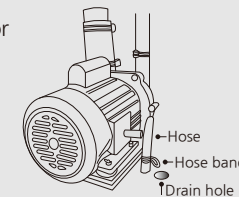
Connect -2
Connect the wire to Copper pipe



1-7 Winter season and storage maintenance

Drain water completely for freeze protection

- * How to drain wash pump
- 1. Draw hose
- 2. Connect hose to drain hole



Drain water completely for long-term storage.

When operate again, call service center

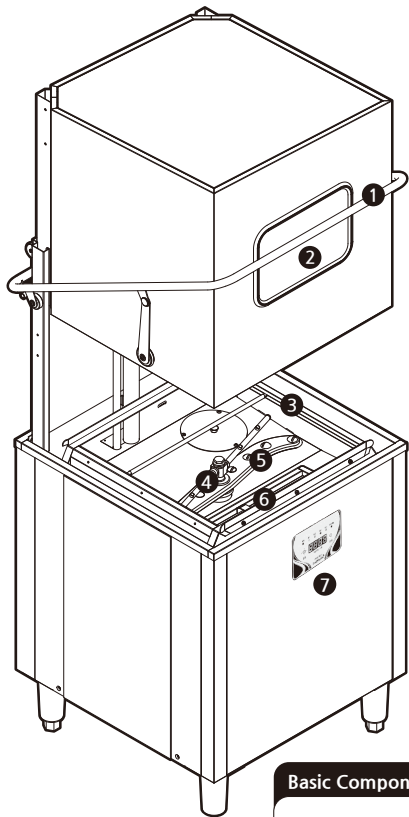




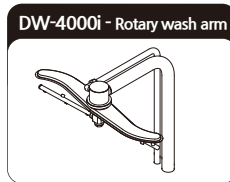
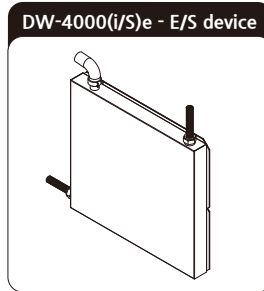
Customer Satisfaction **Quality!**
World best **Technology!**

Dolphin Automatic Dishwasher

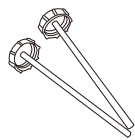
2. Part Name



- 1 Door handle
- 2 Window
- 3 Rack guide (detachable)
- 4 Rinse arm
- 5 Wash arm
- 6 Strainer



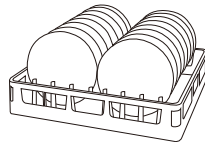
Basic Components



Chemical Caps



Instruction Manual



Racks (Pin 2ea · Flat 1ea)

5. TROUBLE SHOOTING

Q. Dry defects



No rinse aid?	▷ Refill up a rinse aid
Low temperature of rinse water?	▷ Use the M/C at the proper temperature
Debris on nozzle of rinse arm?	▷ Remove debris

Q. Weak wash blade or drip



Food or debris on the filter of wash pump	▷ Remove debris
---	-----------------

Q. Continually gas booster work



Take out the drain pipe?	▷ Put drain pipe in its place
--------------------------	-------------------------------

○ Caution in underground water

▶ If hard water is supplied to the machine, it may cause part defects of heater or pump by lime scale.

Be sure to install water softener.

(The damage caused by hard water is not covered by warranty)



Customer Satisfaction **Quality!**
World best **Technology!**

Dolphin Automatic Dishwasher

Supreme Quality Dishwasher

Dolphin

Q. Higher foaming than usual



- | | |
|---------------------------------|--------------------------------|
| No use of dishwasher detergent? | ▷ Use of dishwasher detergent |
| Low temperature of wash water? | ▷ Check wash water temperature |

Q. No ignition of gas booster



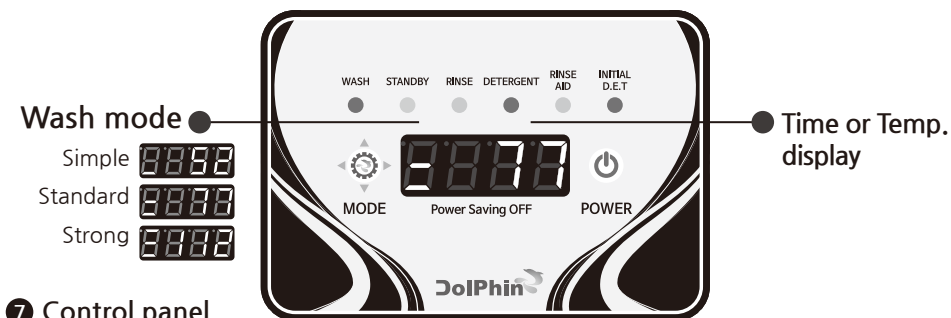
- | | |
|--------------------------------|-----------------------|
| Closed gas valve? | ▷ Open valve |
| Closed water valve? | ▷ Open valve |
| Battery out for ignition? | ▷ Exchange batteries |
| Dripped water by low pressure? | ▷ Close another valve |

Q. Wash defects



- | | |
|------------------------------------|-------------------------|
| Debris on the nozzles of wash arm? | ▷ Remove debris |
| Runout of detergent? | ▷ Refill up a detergent |

3. Control panel



7 Control panel

1. Operation

- 1-1) Turn ON circuit breaker.
- 1-2) Push power button for 2 sec., and M/C is ready to operate.
- 1-3) Close the door and M/C is operated automatically.

2. Wash mode

- 2-1) Power OFF in a state of circuit breaker ON.
- 2-2) Push Mode button for 3 sec. And when buzzer sounded, push mode button for 1sec again.
- 2-3) Wash mode is changeable by pushing mode button.

3. Time & Temp. display

- 3-1) Push set button when M/C ON.
- 3-2) M/C display wash temp. at left 2 digit and rinse temp. at right 2 digit.

Wash mode	Wash	Dwell	Rinse	Detergent	Rinse aid	Auto shut-down
Simple	40sec.	6sec.	6sec.	8sec.	6sec.	4hour
Standard	60sec.	8sec.	9sec.	12sec.	9sec.	4hour
Strong	90sec.	10sec.	12sec.	16sec.	12sec.	4hour



Customer Satisfaction **Quality!**
World best **Technology!**

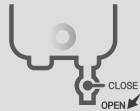
Dolphin Automatic Dishwasher

4. TIP FOR DISHWASHING & CLEANING

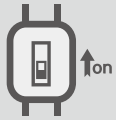
4-1 Before operation

Check electricity, water and gas. Check the place of cyclon and strainer.

1. Scrap the dishes to remove large food particles and debris[prewash]
2. In case of using gas booster, check booster switch ON



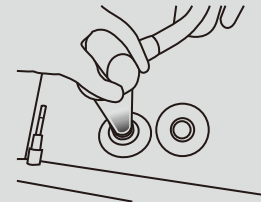
3. Turn ON the circuit breaker.
4. Push power button and M/C ready



4-3 After operation

Clean the M/C daily

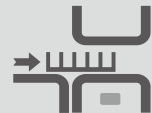
1. Turn off the power button
2. Clean off the strainer
3. Lift CYCLON device and drain water
4. Clean and flush the dishwasher interior and remove a remaining soil with soft cloth or brush



4-2 Operation

Make pre-wash before operation

1. Arrange the dishes in the rack.
Don't stack dishes one on top of another as water must have free access to all sides of every dish
2. Load the rack and close the door



3. Wash & rinse course is operated at each wash mode
4. Whole course is finished, beeping alarm and standby LED ON.

4-4 Dry-type kitchen installation

