Dishwashers

Models CD-CN-UH50 / CD-CN-DH60

Instruction Manual



ITEM	MODEL	ELECTRICAL
49208 · 49209	CD-CN-UH50 CD-CN-DH60	208-240V / 60Hz / 1Ph · 3Ph

Revised - 10/28/2026 · 49208-49209-EN Rev. B

STOP
DO NOT RETURN THIS PRODUCT TO THE STORE
For questions or assistance with this product call OMCAN Toll Free: 1 800 465 0234 Customer Service or visit the Support section of www.omcan.com

49208 49209
Scan for product page

CSA US

SANITATION
CSA Sanitation

Made in China

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Model CD-CN-UH50 / Model CD-CN-DH60

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General Information

Record your product information here. Omcan tracks the service history of your equipment by its serial number — have it ready when you call.

Model Number (circle one)	CD-CN-UH50 / CD-CN-DH60
Serial Number	
Item Number (circle one)	49208 / 49209
Date of Purchase	
Dealer	
Installed By	

Omcan Manufacturing and Distributing Company Inc., Food Machinery of America, Inc. dba Omcan and Omcan Inc. are not responsible for any harm or injury caused due to any person's improper or negligent use of this equipment. The product shall only be operated by someone over the age of 18, of sound mind, and not under the influence of any drugs or alcohol, who has been trained in the correct operation of this machine, and is wearing authorized, proper safety clothing. Any modification to the machine voids any warranty, and may cause harm to individuals using the machine or in the vicinity of the machine while in operation.

CHECK PACKAGE UPON ARRIVAL

Upon receipt of an Omcan shipment please inspect for external damage. If no damage is evident on the external packaging, open carton to ensure all ordered items are within the box, and there is no concealed damage to the machine. If the package has suffered rough handling, bumps or damage (visible or concealed), please note it on the bill of lading before accepting the delivery and contact Omcan within 24 hours, so we may initiate a claim with the carrier. A detailed report on the extent of the damage caused to the machine must be filled out within three days, from the delivery date shown in the shipping documents. Omcan has no recourse for damaged products that were shipped collect or third party.

Before operating any equipment, always read and familiarize yourself with all operation and safety instructions.

Omcan would like to thank you for purchasing this machine. It's of the utmost importance to save these instructions for future reference. Also save the original box and packaging for shipping the equipment if servicing or returning of the machine is required.

Omcan Fabrication et distribution Compagnie Limitée et Food Machinery d'Amérique, dba Omcan et Omcan Inc. ne sont pas responsables de tout dommage ou blessure causé du fait que toute personne ait utilisé cet équipement de façon irrégulière. Le produit ne doit être exploité que par quelqu'un de plus de 18 ans, saine d'esprit, et pas sous l'influence d'une drogue ou d'alcool, qui a été formé pour utiliser cette machine correctement, et est vêtu de vêtements de sécurité appropriés. Toute modification de la machine annule toute garantie, et peut causer un préjudice à des personnes utilisant la machine ou des personnes à proximité de la machine pendant son fonctionnement.

VÉRIFIEZ LE COLIS DÈS RÉCEPTION

Dès réception d'une expédition d'Omcan veuillez inspecter pour dommages externes. Si aucun dommage n'est visible sur l'emballage externe, ouvrez le carton afin de vous assurer que tous les éléments commandés sont dans la boîte et qu'il n'y a aucun dommage dissimulé à la machine. Si le colis a subi de mauvaises manipulations, des chocs ou des dommages (visibles ou cachés), notez-le sur le bon de livraison avant d'accepter la livraison et contactez Omcan dans les 24 heures qui suivent, pour que nous puissions engager une réclamation auprès du transporteur. Un rapport détaillé sur l'étendue des dommages causés à la machine doit être rempli dans un délai de trois jours, à compter de la date de livraison indiquée dans les documents d'expédition. Omcan n'a aucun droit de recours pour les produits endommagés qui ont été expédiés en port dû ou par un tiers transporteur.

General Information

Avant d'utiliser tout équipement, lisez toujours et familiarisez-vous avec toutes les opérations et les consignes de sécurité.

Omcan voudrait vous remercier d'avoir choisi cette machine. Il est primordial de conserver ces instructions pour une référence ultérieure. Conservez également la boîte originale et l'emballage pour l'expédition de l'équipement si l'entretien ou le retour de la machine est nécessaire.

Omcan Empresa De Fabricación Y Distribución Inc. Y Maquinaria De Alimentos De América, Inc. dba Omcan y Omcan Inc. no son responsables de ningún daño o perjuicio causado por cualquier persona inadecuada o el uso descuidado de este equipo. El producto solo podrá ser operado por una persona mayor de 18 años, en su sano juicio y no bajo alguna influencia de droga o alcohol, que haya sido entrenado en el correcto funcionamiento de esta máquina, y esté usando ropa apropiada y autorizada. Cualquier modificación a la máquina anula la garantía y puede causar daños a las personas usando la máquina mientras está en funcionamiento.

REVISE EL PAQUETE A SU LLEGADA

Tras la recepción de un envío de Omcan, inspeccione si hay daños externos. Si no hay daños evidentes en el empaque exterior, abra el cartón para asegurarse de que todos los artículos solicitados estén dentro de la caja y de que no haya daños ocultos en la máquina. Si el paquete ha sufrido un manejo de poco cuidado, golpes o daños (visibles u ocultos) por favor anote en la factura antes de aceptar la entrega y contacte Omcan dentro de las 24 horas, de modo que podamos iniciar una reclamación con el transportista. Un informe detallado sobre los daños causados a la máquina debe ser llenado en el plazo de tres días, desde la fecha de entrega que se muestra en los documentos de envío. Omcan no tiene ningún recurso por productos dañados que se enviaron a recoger por terceros.

Antes de utilizar cualquier equipo, siempre lea y familiarícese con todas las instrucciones de funcionamiento y seguridad.

A Omcan le gustaría darle las gracias por la compra de esta máquina. Es de suma importancia guardar estas instrucciones para futuras consultas. Además, guarde la caja original y el embalaje para el envío del equipo si se requiere servicio técnico o la devolución de la máquina.

Safety and Warranty

This manual uses the following signal words:

Warning: a hazard that could result in death or serious injury.

Caution: a hazard that could result in minor or moderate injury.

Note: information important to the correct use or care of the unit.

WARNING: IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE OR MAINTENANCE CAN CAUSE PROPERTY DAMAGE, INJURY OR DEATH. READ THE INSTALLATION, OPERATING AND MAINTENANCE INSTRUCTIONS THOROUGHLY BEFORE INSTALLING OR SERVICING THIS EQUIPMENT.

PLEASE READ AND KEEP THESE INSTRUCTIONS. INDOOR USE ONLY!

WATER, DETERGENTS AND CARE

- **Ensure** suitable water hardness of 25–75 mg/L (1.5–4.4 gpg).
- **Ensure** thorough pre-washing of tableware.
- **Ensure** only detergents recommended by professional chemical companies are used.
- **Ensure** the dishwasher is thoroughly cleaned, rinsed and dried (with the door open) at the end of each working day.
- **Ensure** limescale is removed regularly, according to the chemical company's requirements.
- **Ensure** only products declared safe for stainless steel are used.
- **DO NOT** use water that is too soft (below 25 mg/L).
- **DO NOT** use household dishwashing detergents.
- **DO NOT** allow food residues to accumulate at the bottom of the water tank.
- **DO NOT** let detergents, disinfectants, quick-drying agents or descaling agents exceed the concentrations recommended by the chemical manufacturer.
- **DO NOT** use steel wool to clean tableware or the surface of the dishwasher.
- **DO NOT** allow foreign objects, especially metal objects, to enter the dishwasher.
- **DO NOT** rinse the exterior of the dishwasher with a faucet or other water source.

NOTE: If your local supply has hard water (high mineral content), it may cause limescale buildup inside the dishwasher and white spots on your dishes. For optimal washing results and to prolong the lifespan of your appliance, we highly recommend connecting the unit to a water filtration system or installing an inline water filter on the incoming water line. The water supply to the dishwasher must be tested prior to installation. Damage, malfunctions, or performance issues resulting from calcium, scale, or mineral buildup are not covered under warranty.

Note: if the equipment is installed or repaired by unauthorized personnel, if any non-original spare parts are used, or if any unauthorized technical modifications are made to the dishwasher, the manufacturer's warranty and product liability will become void.

Warning: DO NOT connect to a hot-water supply exceeding a temperature of 140°F.

Safety and Warranty

RESIDENTIAL USERS: vendor assumes no liability for parts or labor coverage for component failure or other damages resulting from installation in non-commercial or residential applications. The right is reserved to deny shipment for residential usage; if this occurs, you will be notified as soon as possible.

1 YEAR PARTS AND LABOUR WARRANTY

Within the warranty period, contact Omcan Inc. at 1-800-465-0234 to schedule an Omcan authorized service technician to repair the equipment locally.

Unauthorized maintenance will void the warranty. Warranty covers electrical and part failures, not improper use.

Please see https://omcan.com/disclaimer for complete info.

WARNING:

The packaging components are classified as normal solid urban waste and can therefore be disposed of without difficulty.

In any case, for suitable recycling, we suggest disposing of the products separately (differentiated waste) according to the current norms.

DO NOT DISCARD ANY PACKAGING MATERIALS IN THE ENVIRONMENT!

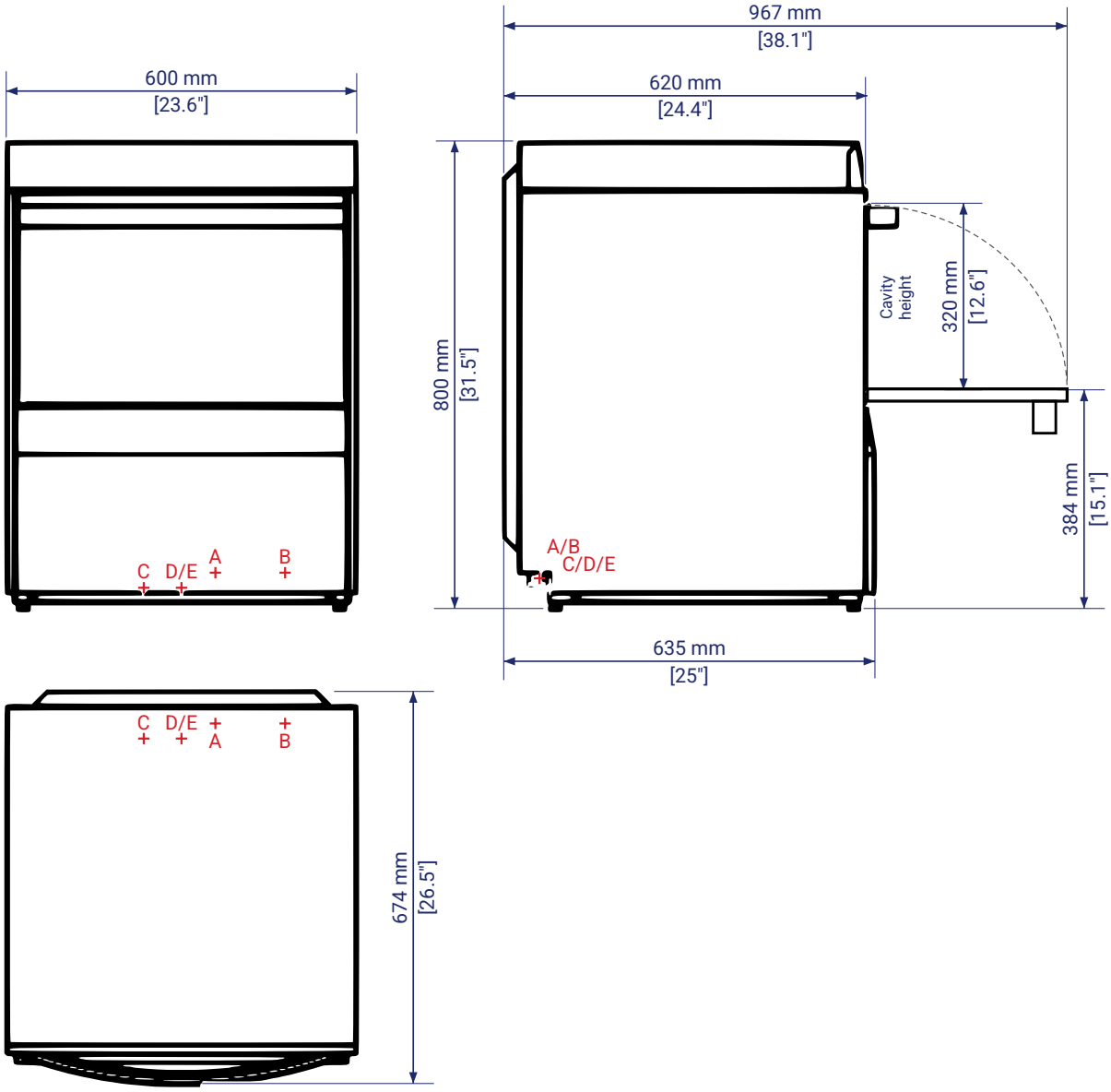
Technical Specifications

Item Number	49208	49209
Model	CD-CN-UH50	CD-CN-DH60
Overall Dimensions (W x D x H)	23.6" x 25" x 31.5" (600 x 635 x 800 mm)	28.1" x 31.5" x 56.1"/73.9" (715 x 800 x 1425/1877 mm)
Racks Per Hour	24	40
Water Inlet Temperature	122°F-140°F (50°C-60°C)	122°F-140°F (50°C-60°C)
Power Supply	208-240V / 60Hz / 1Ph	208-240V / 60Hz / 3Ph
Total Power	2.95 kW	9.86 kW
Max Wash Height	12.6" (320 mm)	16.6" (422 mm)
Wash Heat Power	1.7 kW	3 kW
Spray Heating Power	2.5 kW	9 kW
Wash Pump Power	0.45 kW	0.71 kW
Water Consumption Per Rack	0.66 gal (2.5 L)	0.66 gal (2.5 L)
Water Tank Capacity	4.9 gal (18.5 L)	6.9 gal (26 L)
Wash Temperature	131°F-140°F (55°C-60°C)	140°F-149°F (60°C-65°C)
Spray Temperature	180°F-194°F (82°C-90°C)	181°F-194°F (83°C-90°C)
Rack Size	20" x 20" (500 x 500 mm)	20" x 20" (500 x 500 mm)

Note: the manufacturer reserves the right to make changes to the unit without notice.

Technical Drawings

Model CD-CN-UH50 49208



A – Water inlet (3/4" connection, 5' length)

B – Power supply (NEMA 6-20P plug, 6' length)

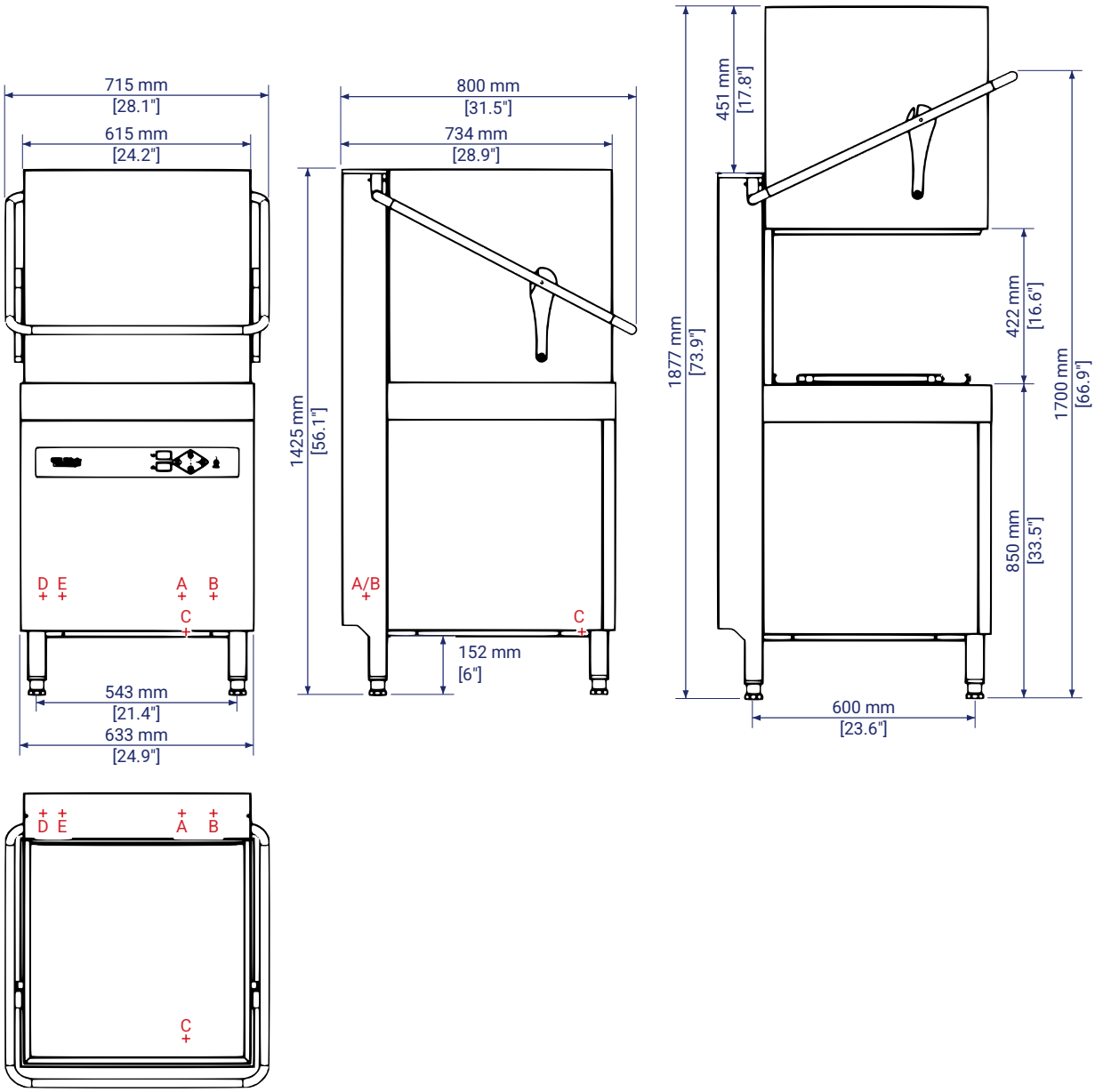
C – Drain outlet (1 1/4", 6' length)

D – Rinse aid inlet (1/4" tube, 8' length)

E – Detergent inlet (1/4" tube, 8' length)

Technical Drawings

Model CD-CN-DH60 49209



A – Water inlet (3/4" connection, 5' length)

B – Power supply (hard-wired, 208–240V / 60Hz / 3Ph)

C – Drain outlet (1 1/4", 6 1/2' hose)

D – Rinse aid inlet (1/4" tube, 8' length)

E – Detergent inlet (1/4" tube, 8' length)

Installation

BEFORE YOU BEGIN

Confirm each point below before putting the dishwasher into service:

- ☐ The power supply matches the data plate on the dishwasher.
- ☐ An independent circuit breaker and an all-pole disconnect device are installed in the power supply circuit, and the dishwasher is properly grounded.
- ☐ The water supply pressure and temperature are within the ranges given in this section.
- ☐ The hardness of the local water supply has been checked (see Water Hardness below).
- ☐ A drain is available within reach of the drain hose.
- ☐ The dishwasher stands level and stable on its adjustable feet.

Water Hardness:

- Before completing the installation, check the hardness level of your local water supply. High water hardness leads to mineral buildup on internal heating elements and spray arms. If your water is hard, connect the dishwasher to a water filtration system or install a dedicated inline water filter on the incoming water supply line to protect the appliance.
- If a water filtration or softening system is installed, it should be adjusted to maintain the water hardness within the manufacturer's recommended range of 25–75 mg/L. Water that is too hard can lead to scale buildup, while water that is overly softened may negatively affect washing performance and the longevity of certain components.

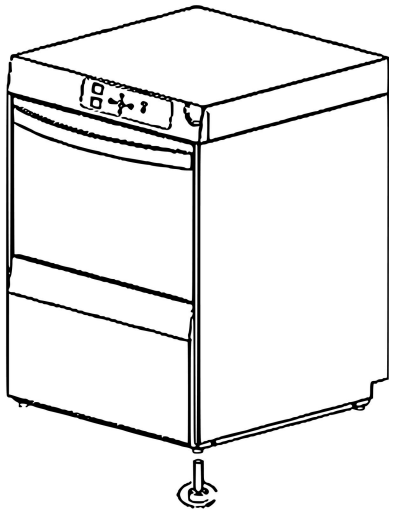
Model CD-CN-UH50 49208

- Install the dishwasher in accordance with local codes or, in the absence of local codes, in accordance with the applicable requirements of the National Electrical Code, NFPA 70, the Canadian Electrical Code (CEC), Part I, CSA C22.1, and the Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations, NFPA 96.
- Before installation, check the specifications on the data plate on the right side of the dishwasher to confirm that your power supply matches them.
- After opening the packaging, check the dishwasher immediately for any damage caused in transport. If any damage is found, keep the packaging materials and report it as described under Check Package Upon Arrival (General Information).
- Place the dishwasher in its final position and turn the leveling feet until the dishwasher is level and stable.

Installation

Location. Install the undercounter dishwasher under a counter, away from heat sources and out of direct sunlight. The sides or back of the dishwasher may stand against cabinets or walls, and the inlet and outlet pipes may be run to the right or left side as the installation requires. Install it close to the water tap and the drain, for easy access to the water supply and for draining waste water.

Water pressure. Before installing the dishwasher, check whether the water supply pressure meets the requirements and whether a booster pump is needed. Use a water pressure gauge to check that the water pressure is between 29 and 58 psi (0.20–0.40 MPa). If it is outside this range, the dishwasher cannot be installed normally; treat the water pressure accordingly.



1. **Install the dishwasher.** Install the dishwasher on a stable platform, and make sure the end of the drain hose will sit 1.6–3.9" (40–100 mm) above the floor. After placing it, adjust the screw of each foot to level the dishwasher, for normal use.
2. **Connect the inlet pipe.** First connect a water valve connector that fits the inlet pipe to the tap water pipe, and confirm that it is secure. Open the water valve and confirm that there is no water leakage at the connection. (Maximum inlet water temperature 140°F.)

Warning: DO NOT connect to hot water supply systems with temperatures exceeding 140°F (60°C).

3. **Connect the drain pipe.** Install the drain hose on the drain pipe or place its end over a floor drain. The end of the hose must be 1.6–3.9" (40–100 mm) above the floor, and higher than any part of the hose between that end and the drain outlet, so that waste water is not trapped in the hose. **DO NOT** submerge the end of the hose below the water surface in the drain pipe; waste water could flow back. Check that the drain hose is not dented or bent.
4. **Connect the power supply.** Install an independent circuit breaker near the dishwasher, and make sure the dishwasher is well grounded. Check that the power supply voltage and frequency match the specifications on the data plate, then plug the power cord into an electrical outlet and do a trial run.

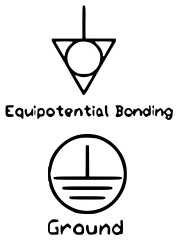
WARNING:

1. The circuit and grounding connections must comply with the applicable provisions of the national electrical regulations and other local electrical regulations.
2. An independent all-pole disconnect device, such as an air switch (circuit breaker), must be installed in the power supply circuit of this dishwasher. Refer to the electrical parameters below.
3. Turn off the power and hang a clear sign at the power switch to let others know that you are repairing the circuit.
4. The type and concentration of cleaning agents must comply with local regulations.
5. The supply pressure of the detergent and rinse aid dispensers must be 7–15 psi (0.05–0.10 MPa).

Installation

Equipotential indication: the terminal marked with the equipotential symbol is the terminal at which the interconnected parts of the equipment or system reach the same potential. This is not necessarily ground potential (for example, a local connection; the equipotential connection is located below the equipment).

Grounding protection indication: the terminal marked with the grounding protection symbol is the terminal connected to the external protective conductor, to prevent electric shock in case of a fault, or the terminal connected to the protective grounding electrode.



ELECTRICAL PARAMETERS (MEASURED)

Model	Connection	Voltage	Load Current	Total Power	Wash Pump Current	Wash Pump Power	Rinse Heat Current	Rinse Heat Power
UH50	208-240V 60Hz 2-Pole 3-Wire	208V	13A	2.72kW	2.7A	0.56kW	10.4A	2.16kW
		240V	14.5A	3.5kW	2.6A	0.62kW	12A	2.88kW

Note: the values in this table are measured values. The rated power is 2.95 kW (49208) and 9.86 kW (49209), as listed in the Technical Specifications; the heating elements are interlocked, so they do not all draw power at the same time.

CHECK AND TEST

Check and test a new dishwasher after installation, before use:

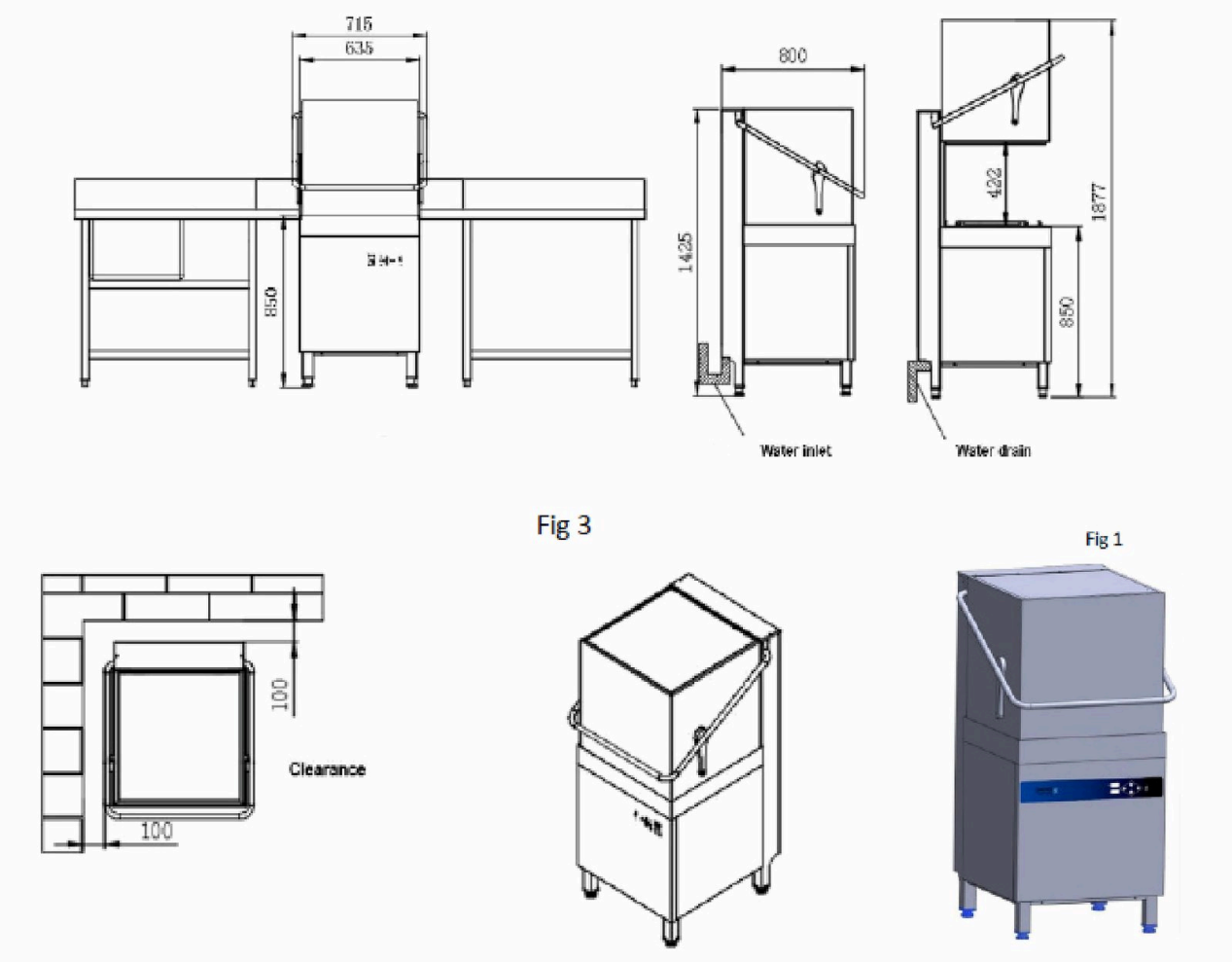
- Before starting the dishwasher for the first time, check that all installation tools and other items have been removed from inside.
- Check for water leaks and cleaning-agent leaks.
- Check that the safety system and the door switch work properly.
- Check that all screws are tightened.

Testing and training must be carried out only by qualified technicians who have received professional training. Operators may use the dishwasher only after training.

Model CD-CN-DH60 49209

- **This model must be installed by a qualified technician.**
- Before installation, check the specifications on the nameplate on the lower right side of the dishwasher to confirm that your power supply matches them.
- After opening the box, check the dishwasher immediately for any damage caused in transport. If any damage is found, keep the packing materials and report it as described under Check Package Upon Arrival (General Information).
- **Select the location.** Place the dishwasher in its operating position. Before deciding on the location, consider the wiring conduit, water pipe and drain pipe connections, stainless-steel operator console, built-in detergent dispenser, daily cleaning and maintenance, and the space needed to open the door.
- For best results, the dishwasher must be level. It has adjustable feet, which raise or lower each corner when turned (see Fig 1).

Installation



Dish table layout, water inlet and drain positions (mm), clearance (Fig 3) and Fig 1

CONNECTING DISH TABLES

- **Note:** the design height of the dish table top is 33.5" (850 mm). Specify it when ordering; otherwise the tables may not match.
- The dishwasher must be level before any water or electrical connection is made; adjust it as needed. Lift the stainless-steel console and hook it into the dishwasher (see Fig 4). Apply suitable sealant between the stainless-steel console and the body lip to prevent leakage.
- Local regulations may require an exhaust hood or fan. If so, the exhaust volume must be not less than 206 CFM (350 m³/h).

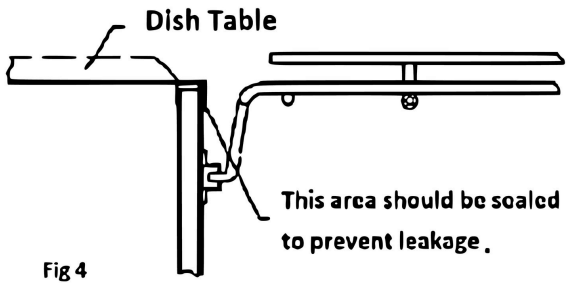


Fig 4 — seal this area to prevent leakage

ELECTRICAL CONNECTION

- Electrical connections must be made by authorized technicians.

Installation

- The power supply must be a dedicated circuit (four-conductor 8 AWG copper cable) with a 3-pole 63 A residual-current circuit breaker (leakage protector); the supply has no neutral. In the fixed wiring, an all-pole disconnect device with the required contact opening distance must be installed for overvoltage category III; trip current ≤ 30mA, trip time <0.1s.
- **Warning:** electrical circuits and grounding connections must comply with the applicable provisions of the National Electrical Code and other local electrical codes.
- **Warning:** an independent all-pole disconnect device, such as an air switch (circuit breaker), must be installed in the power supply circuit of this dishwasher. See the electrical data below.
- **WARNING:** turn off the power and hang a visible sign at the power switch to let others know that you are repairing the circuit.
- Refer to the instructions on the power cord and the electrical schematic inside the bezel of the dishwasher to connect the power cord wires of different colors correctly to the power supply.


Equipotential


Protective Grounding

Equipotential: the terminal marked with the equipotential symbol is the terminal at which the interconnected parts of the equipment or system reach the same potential. This is not necessarily ground potential (for example, a local connection; the equipotential connection is below the equipment).

Grounding protection: the terminal marked with the grounding protection symbol is the terminal connected to the external protective conductor, to prevent electric shock in case of a fault, or the terminal connected to the protective grounding electrode.

ELECTRICAL DATA (MEASURED)

Model	Connection	Voltage	Total Load (A)	Total Power (kW)	Pump Load (A)	Pump Power (kW)	Water Tank Power (kW)	Boiler Power (kW)
DH60	208-240V 60Hz 3Ph	208V	25.3	7.74	3.1	0.64	2.43	6.85
		220V	26.5	8.58	3	0.66	2.72	7.67
		240V	28.4	10	2.8	0.67	3.24	9.15

Note: the values in this table are measured values. The rated power is 2.95 kW (49208) and 9.86 kW (49209), as listed in the Technical Specifications; the heating elements are interlocked, so they do not all draw power at the same time.

CHECK MOTOR ROTATION (THREE-PHASE ONLY)

The three-phase motor must rotate in the direction of the arrow on the pump housing. If it rotates the wrong way, turn off the power supply and swap any two power cables, then turn the dishwasher on and off again and check that the rotation is now correct.

Warning: when testing the dishwasher for the first time after installation, first check that the wash pump motor rotates in the indicated direction. The dishwasher does not work properly when the wash pump runs in reverse, and even a short reversal will damage the pump.

DUTY CYCLE TIME DATA

Duty Cycle (Seconds)	I	II	III	IV
Cleaning Time (Sec)	74	104	164	584
Pause Time (Seconds)	4	4	4	4

Spray Time (Sec)	12	12	12	12

WATER PIPE CONNECTION

Warning: plumbing connections must comply with the relevant hygiene and safety standards and plumbing regulations.

Service water supply. Connect the inlet hose of the dishwasher to the water source (3/4" / DN 20 female). The water supply specifications are shown in the table below:

Electric Heater Power	Water Inlet Temperature		Inlet Water Pressure	
	°F	°C	psi	kPa
9kW	122–140	50–60	29–58	200–400

DRAIN CONNECTION

1. Open the lower right access panel (facing the dishwasher).
2. Pull the threaded grey drain hose out through the opening at the front bottom of the unit.
3. Place the drain hose into the drain pipe provided on site for the dishwasher. The drain hose under the tank is 1 1/4" (32 mm) ID. If regulations require a grease trap, its flow rate must be at least 40 gal/min (150 L/min).

Note: test the inlet pressure after connecting the water supply. If the flow pressure is below 29 psi (0.2 MPa), install a booster pump (supplied by the customer); if the static pressure is above 58 psi (0.4 MPa), install a pressure-relief valve (supplied by the customer).

AUTOMATIC DISPENSER CONNECTION

The dishwasher has built-in detergent and rinse aid (drier) dispensers. Connect them as follows:

- The operating signal of the wash contactor is supplied to the dispenser.
- **Note:** use insulated, sheathed wires rated above 600V. **DO NOT** use electric bell wire or lamp wire.
- Supply pressure of the rinse aid dispenser: 22–29 psi (0.15–0.20 MPa).
- Supply pressure of the detergent dispenser: 15–22 psi (0.10–0.15 MPa).

Automatic dispenser pipe connections:

1. **Rinse aid (drier) connection:** open the front baffle of the dishwasher. The connection is in the lower right corner of the rinse tank, as shown in Fig 5.
2. **Detergent connection:** open the door. The connection is the white sealing port on the left side at the back, as shown in Fig 6.

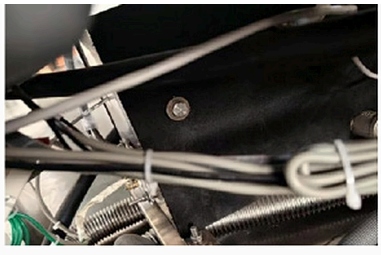


Fig 5

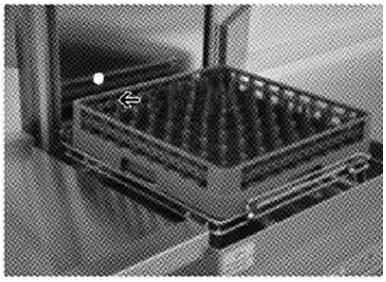
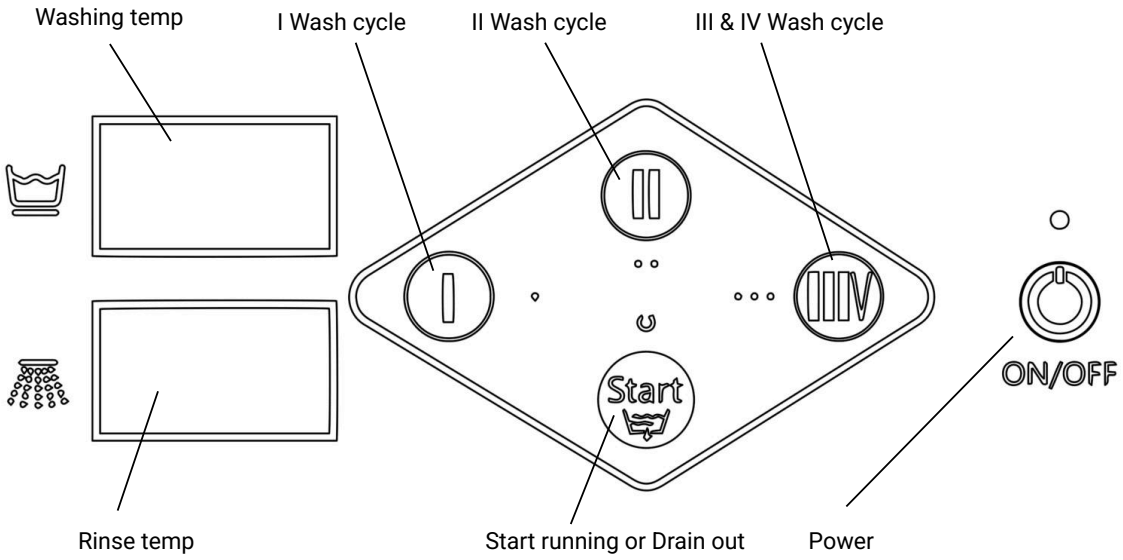


Fig 6

Operation

Model CD-CN-UH50 49208



Control panel display and buttons

No.	Control	Function
1	Rinse temp display	Displays the real-time temperature of the rinse water during operation. Displays malfunctions and information.
2	Wash temp display	Displays the real-time temperature of the wash water during operation. Displays faults and information.
3	I Wash cycle	After pressing this button, the total cleaning time for a rack is 120 seconds.
4	II Wash cycle	After pressing this button, the total cleaning time for a rack is 180 seconds.
5	III Wash cycle	After pressing this button, the total cleaning time for a rack is 240 seconds.
6	IV Wash cycle	Press and hold the III cycle button for 3 seconds to enter the 600-second cleaning cycle (low-temperature disinfection mode). After cleaning is complete, press any mode button to exit this mode.
7	Power	The power switch. After this button is pressed to turn off the unit, the unit remains powered.

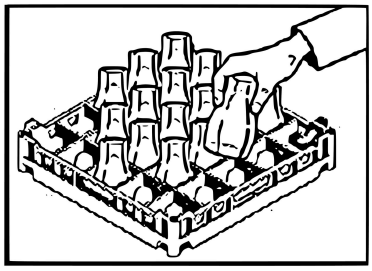
HOW THE DISHWASHER WORKS

- A dishwasher completes a dish wash in two stages: washing and rinsing.
- First the wash program runs. The rack stays fixed while the water pump drives hot water from the wash tank to turn the upper and lower wash arms.
- Water sprayed from the wash arms cleans the dishes. When the wash program is complete, the rinse program starts.
- The rinse water contains no detergent. The upper and lower rinse arms spray clean, high-temperature water at 180–194°F (82–90°C) onto the dishes.
- The rinse water from each cycle drains into the wash tank as the wash water for the next cycle, so the water in the wash tank is continuously renewed.

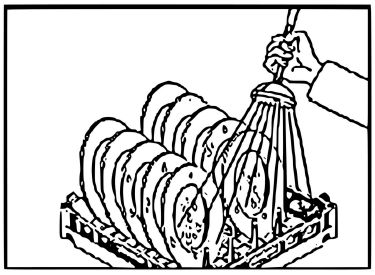
Operation

OPERATION

1. The dishwasher must be operated only by trained personnel.
2. **Warning:** if the door is opened during operation, wash water may spray out and cause injury. Wait for the program to finish before opening the door.
3. **Best cleaning results:** cleaning results depend closely on water quality. If the mineral content of the water is high, spots or streaks of dissolved minerals can appear on glasses as they dry.
4. **Prepare the dishwasher for start-up:**
   - Check that the wash arms, rinse arms and filter screen are in the correct positions. Open the inlet valve, then turn on the main switch or plug in the power cord.
   - Check that there is enough detergent and rinse aid (drying agent).
   - Close the door and press the power switch on the control panel. The dishwasher opens the solenoid valve and fills with water automatically. When filling is complete, the dishwasher heats up automatically; this may take more than ten minutes. When the wash tank reaches 131°F and the rinse temperature exceeds 179.6°F, the dishwasher is ready for operation.



Place utensils face down in the rack



Remove food residues

5. Prepare the tableware for cleaning.
6. Choose an appropriate wash cycle:

Button	Wash Cycle	Use For
I	120" wash cycle	Lightly soiled tableware
II	180" wash cycle	Normally soiled tableware
III / IV	240" / 600" wash cycle	Heavily soiled tableware

WASHING DISHES

- Slide the rack into the dishwasher and close the door.
- Press the on/off button. The power indicator lights to show that the dishwasher is on, and the dishwasher enters automatic preparation mode.
- The dishwasher first fills with water automatically.
- When the set water level is reached, the water tank heats automatically.
- When the set temperature is reached, heating stops and the wash program waits to run.
- The wash program runs automatically.
- When the program is complete, the buzzer sounds to signal the end of the wash cycle. Open the door and take out the rack.
- Let the dishes stand for a while to dry fully.

Operation

Run the wash program:

I	Press the button to start the 1st automatic wash cycle, which lasts 120 seconds.
II	Press the button to start the 2nd automatic wash cycle, which lasts 180 seconds.
III	Press the button to start the 3rd automatic wash cycle, which lasts 240 seconds.
IV	The 4th automatic wash cycle lasts 600 seconds (10 minutes) and is an intensive wash for heavily soiled tableware (the low-temperature disinfection mode: a backup cycle that lets washing continue when the incoming water is colder than the required 122–140°F / 50–60°C). With the dishwasher on, press and hold the III button for 3 seconds to start it. After cleaning is complete, press any mode button to exit this mode.

SHUTTING DOWN

Press the power switch; the dishwasher stops running but is still powered. Turn off the main power switch, unplug the power cord and close the water inlet valve on site.

Model CD-CN-DH60 49209

OVERVIEW

This is a semi-automatic rack (door-type) dishwasher: the insulated hood is lifted to push the rack in or pull it out. When the water level in the tank is normal, the wash and spray cycle starts automatically when the hood is closed. When the tank is low, the dishwasher first fills automatically after the hood is closed, then starts the wash and spray cycle when the normal water level is reached.

The dishwasher has a built-in 9 kW closed booster heater and a 3 kW open wash-tank heater; the wash and rinse heating elements are interlocked. It is equipped with a rinse pump, a water inlet filter and a solenoid valve.



Control panel

1. Open the inlet valve and turn on the dishwasher's main switch. Check that the detergent and rinse aid (drier) supply is normal. Check that the filter and drain pipe are installed in place.
2. Close the door and press the power switch. The power indicator lights to show that the dishwasher is on. The dishwasher enters automatic preparation mode: it first fills with water; when the set water level is reached, the tank heats automatically; when the set temperature is reached, heating stops and the dishwasher waits to run the wash program.

3. Run the wash program:
   - Press the I button to start automatic wash cycle I.
   - Press the II button to start automatic wash cycle II.
   - Press the III button to start automatic wash cycle III.

   Press and hold the III button for 3 seconds to enter the low-temperature disinfection mode, a backup cycle that lets washing continue when the incoming water is colder than the required 122–140°F (50–60°C). After cleaning is complete, press any mode button to exit the low-temperature disinfection mode. If you do not exit this mode, closing the door will run the dishwasher in this mode again.
4. Press the power switch again. The power indicator goes out to show that the dishwasher is off.

Power indicator	When the indicator is lit, the dishwasher is on.
Work indicator	When the indicator is lit, the dishwasher is cleaning; when it goes out, the cleaning process has ended.
Thermometer	The upper temperature display shows the temperature of the water in the wash tank; the lower display shows the temperature of the water in the rinse tank.
Automatic start	When the door is closed, the dishwasher automatically starts the washing or filling process.
Drainpipe	When washing is finished, pull out the drainpipe in the tank to drain the water from the tank.

RECOMMENDED OPERATING TEMPERATURE

Wash water temperature	Set at 140 to 149°F (60 to 65°C)
Spray (rinse) water temperature	Set at 181 to 194°F (83 to 90°C)

PREPARATION

1. Put the sieve plate and sieve basket in their positions in the wash tank, insert the drainpipe (see the figure), and close the door.
2. Press the power switch. The dishwasher fills with water automatically.
3. Filling stops when the door is opened. Check that the tank is full of water. Sprinkle detergent into the sieve basket, adding more if needed. If an automatic detergent dispenser is installed, follow the dispenser manufacturer's instructions.
4. After the door is closed, the wash and spray cycle starts automatically. Wait until the water tank reaches a suitable temperature before starting to wash.



Sieve plate, sieve basket and drainpipe

WASHING

1. Remove large food scraps from the dishes first.
2. Soak the tableware in a tank of clean water for a while.
3. Place the soaked tableware correctly in the wash basket.
4. Pre-wash with a spray shower.

Operation

5. Select the I / II / III wash cycle according to the size of the dishes and the type of soil.

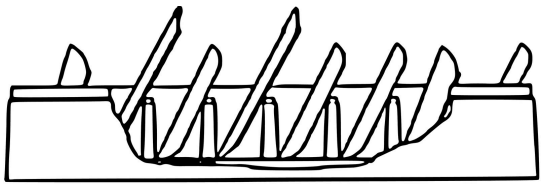


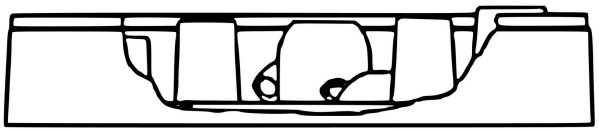
Place tableware correctly in the basket



Pre-wash treatment for tableware

Set plates upright in the rack. **DO NOT** stack dishes: the water must be able to rinse both sides of each dish. Stand the dishes on edge in the rack. Place teacups, glasses and bowls in open racks or on shelves. Cutlery and other small utensils can be placed loosely in the bottom of the basket.





DISHWASHING PROCESS

1. When the rack is full, open the door, slide the rack into the dishwasher and close the door. The wash and spray cycle starts automatically: the wash cycle begins when the door is closed, and the spray cycle begins when the wash cycle is complete.
2. At the end of the wash and spray cycle, open the door, pull out the rack and remove the clean dishes. Load the next batch of dishes, push the rack into the dishwasher and close the door.
3. **Warning:** to add dishes after the wash cycle has started, turn off the power switch and wait ten seconds before opening the door, so that the wash arm slows to a stop. This avoids hot water splashing and scalding the operator.

Cycle sequence:

1. Open the door, push the basket into the dishwasher and close the door.
2. The dishwasher runs the I / II / III / IV wash program: main wash – pause – spray.
3. After spraying, the whole washing process ends (the wash program indicator goes out).
4. Open the hood, push out the wash basket, let the dishes air-dry for 1 minute, and put the dishes away.

Maintenance

Product Safety & Rinsing: Always use a certified food-safe dishwasher cleaner or descaling agent. To ensure user safety, you must run two additional consecutive cycles with the dishwasher completely empty immediately after the cleaning process. This thoroughly flushes out any residual product before you resume normal dishwashing.

CLEANING AGENTS

Part	What to Use	Never Use
Wash tank and interior	Clean, rinse and dry with the door open; certified food-safe dishwasher cleaner or descaling agent	Additives containing chlorine, acid or metal; metal brushes
Filter and fine filter screen	Running water	
Wash and rinse arms	Water; clear blocked rinse nozzles with a needle	
Stainless-steel surfaces	Rag or brush; products declared safe for stainless steel	Steel wool
Exterior		Faucet or other water jet

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DAILY CLEANING

- **Caution:** improper use of chemicals may cause corrosion.
- **DO NOT** use any additives containing chlorine, acid or metal to clean the dishwasher. **DO NOT** use metal brushes.
- Open the door.
- Remove the filter and clean it. Make sure no food residue enters the pump suction port. Rinse the fine filter screen under running water.
- Clean the inside of the dishwasher. Refit the filter screen.
- Leave the door half open for ventilation.

WEEKLY CLEANING

- Unscrew the screws on the rinse spray arm, remove the rinse spray arm and clean it. Remove the wash/rinse arm and clean it.
- Refit the wash/rinse arm.
- **Warning:** when removing the drain pipe, avoid contact with the hot water, to prevent burns. After draining, the electric heating tube stays hot; take care when cleaning it, to prevent burns.

SANITATION STANDARDS

- Operators must strictly follow all sanitation requirements when handling clean tableware.
- **DO NOT** touch clean tableware with dirty or oily hands. Wear gloves or keep hands clean when handling tableware, to prevent contamination.
- **Caution:** the tableware will be very HOT.
- Dry the tableware thoroughly with a clean, sanitized cloth. **DO NOT** use unsanitized kitchen towels or cloths to dry dishes.

Maintenance

- Wait for the dishwasher to reach the correct wash temperature, to ensure thorough sanitizing and cleaning. For best results, start washing only when the dishwasher is ready.
- Empty the wash tank and rinse the filter at least twice a day, or after every 40-50 wash cycles.
- Use the correct dosage of detergent and rinse aid (drying agent), as recommended by the supplier. At the start of each workday, check that the product in the storage containers will last the day.
- Keep the dishwasher clean and maintain it regularly.

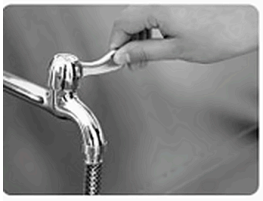
LONG-TERM SHUTDOWN

If the dishwasher will not be used for a long time (holidays, temporary closures, etc.):

- Empty the dishwasher completely, including the boiler. Clean the dishwasher thoroughly.
- Leave the door open. Close the inlet valve.
- Turn off the main power supply.
- If there is a risk of freezing temperatures, ask a service technician how to protect the dishwasher from freezing.

Model CD-CN-DH60 49209

CLEANING THE DISHWASHER




Warning: DO NOT spray any part of the dishwasher except the inside of the wash chamber with a jet of water, such as from a faucet. We recommend cleaning the dishwasher thoroughly after each use, or at least once a day. Clean it as follows:

1. Turn off the power supply: first turn off the dishwasher power switch, then turn off the main power supply at the wall.
2. Close the water inlet valve, open the hood and take out the basket.
3. Clean the stainless-steel work table and let the water flow back into the dishwasher.
4. Remove the sieve plate and pull out the drainpipe to drain the tank. Empty out the debris, then thoroughly clean and rinse the inside of the dishwasher.
   Warning: when removing the drainpipe, avoid contact with the hot water, to prevent burns. After draining, the electric heating tube stays hot; take care when cleaning it, to prevent burns.
5. Remove the pump filter and clean it.
6. Check the electric heating tube; remove any heavy scale.
7. Refit the pump suction filter and the sieve plate.
8. Leave the hood open to let the inside of the dishwasher air-dry, then close it.

MAINTENANCE

WARNING: before starting any repair work, disconnect the power supply and hang a visible sign at the power switch to let others know that you are repairing the circuit.

Wash arm maintenance:

- The upper and lower wash arms and spray arms must turn freely: after being turned by hand, they should keep turning on their own for a few seconds before stopping. Turn off the power supply before turning the wash arm, and remove any obstruction.
- If the sieve basket or pump suction screen is not installed, foreign matter (such as food debris or bones) may block the wash arm nozzles. The wash arm can easily be removed for cleaning.
- To remove the wash arm and spray arm, loosen the knurled nut between them.
- **Note:** the sleeve on the lower wash arm shaft does not need to be removed.
- When removing the upper wash arm and spray arm, hold the wash arm firmly while loosening the knurled nut, so that it does not fall. The upper and lower wash and spray arms are interchangeable.

Maintenance

Daily maintenance items:

1. Check daily that there is enough detergent and rinse aid (drier) in the containers. The dishwasher uses non-foaming alkaline detergent (PH> 7) and non-foaming acidic rinse aid (PH <7).
2. Always keep the equipment clean. After each shift, clean the residue from the wash tank with a rag or brush, and remove the wash arm for cleaning. Check every week whether the rinse nozzles are blocked; clear any blockage with a needle, then clean with water.
3. Clean stainless-steel surfaces regularly with a rag or brush.
4. The equipment has no water-demineralizing device, so it must be descaled regularly. After descaling, rinse away all residual descaler and scale thoroughly with clean water.
5. While the dishwasher is working, check the parts, the operation and the wash and rinse results. If anything is abnormal, stop immediately, find and fix the fault, then continue working.
6. When the dishwasher will not be used for a long time, clean the dirt from inside, dry it, pack it well and store it in a ventilated, dry place.

MONTHLY MAINTENANCE

Maintenance Item	Maintenance Content
Water pump	Check water pump tightness, seal ring, pump rotation noise, direction of rotation, etc.
	Check the suction of the pump.
	Check that the equipment filter screen is installed in the correct position and works correctly.
Washing system	Check the water level of the main wash tank.
	Check the tightness of the wash line.
	Check that the washing system is complete, that it sprays correctly, and that the main wash arm is in the center position.
Rinse system	Check water pressure and tightness.
	Check that the rinse system is complete and sprays correctly.
Racks and components	Inspect the water tank, door and equipment surfaces, and the main wash tank screens.
	Check rinse tanks, hoses, clamps, plastics and seals.
	Check moving parts up and down.
Water inlet device	Check the water level switch and solenoid valve; clean the filter screen.
	Check the tightness of all connections.
	Check water hardness, and the water softener and softener for total or partial failure (if any).
Waste water equipment	Check tightness.
	Check water pipe pressure and operation of the drain pump.
Electrical equipment	Check all fuses and tighten all relevant screws.
	Check the main wash and rinse heater wires, thermostat and overheat protection switch.
Detergent dispenser	Check concentration and adjust if necessary.

MAINTENANCE SCHEDULE

The tasks below are prescribed in this manual. Check off each task in the MAINTENANCE LOG as it is completed.

Maintenance

Task	Daily	Weekly	Monthly	As Required
Clean, rinse and dry the dishwasher (door open) at the end of the working day.	✓			
Remove and clean the filter; rinse the fine filter screen; empty the wash tank and rinse the filter at least twice a day.	✓			
Check detergent and rinse aid levels.	✓			
Remove and clean the wash and rinse arms; check the rinse nozzles for blockage.		✓		
Monthly maintenance checks (49209 table above).			✓	
Descale (remove limescale) per the chemical company's requirements; check the heating tube for scale.				✓

MAINTENANCE LOG

Model: CD-CN-UH50 / CD-CN-DH60 Serial Number: _____		
Date	**Task Performed**	**By**

Troubleshooting

Before requesting service, check the points below. This guide is a reference for solutions to common problems only.

Model CD-CN-UH50 49208

PROBLEM	POSSIBLE CAUSE	SOLUTION
The dishwasher does not take in water	No water supply; clogged filter; water level switch malfunction; solenoid valve failure; safety switch malfunction.	Reconnect the water supply; clean the filter; replace faulty parts.
The rinse arm is not spraying water	No water supply; clogged filter; solenoid valve malfunction; wash pump cannot draw water; rinse system needs descaling.	Reconnect the water supply; clean the filter; replace faulty parts; descale.
There are streaks or stains on the dishes	Rinse water has too high a mineral content; rinse water temperature is below 180°F; rinse water volume is reduced; unsuitable rinse aid or incorrect amount of rinse aid.	Soften the water; adjust the water temperature; clean the filter and rinse arms; replace the rinse aid (drying agent) or adjust the dosage.
Too much foam in the wash tank	Reduced rinse water volume.	Clean the filter and the rinse arm in front of the rinse solenoid valve.
	Wash water temperature below 104°F.	Check the wash temperature settings, the thermal protection device and the air circuit breaker. If the thermal protection device trips, reset it manually and check for faults; if the air circuit breaker trips, inspect the wiring before resetting.
	Unsuitable detergent or rinse aid.	Change the detergent or rinse aid.
Cleaning under the unit	Adjust the four legs to leave a gap between the bottom of the unit and the floor.	A dustproof sealing strip can be added between the bottom of the unit and the floor.
If these checks do not resolve the issue, stop using the unit and contact Omcan Customer Service at 1-800-465-0234.		

Model CD-CN-DH60 49209

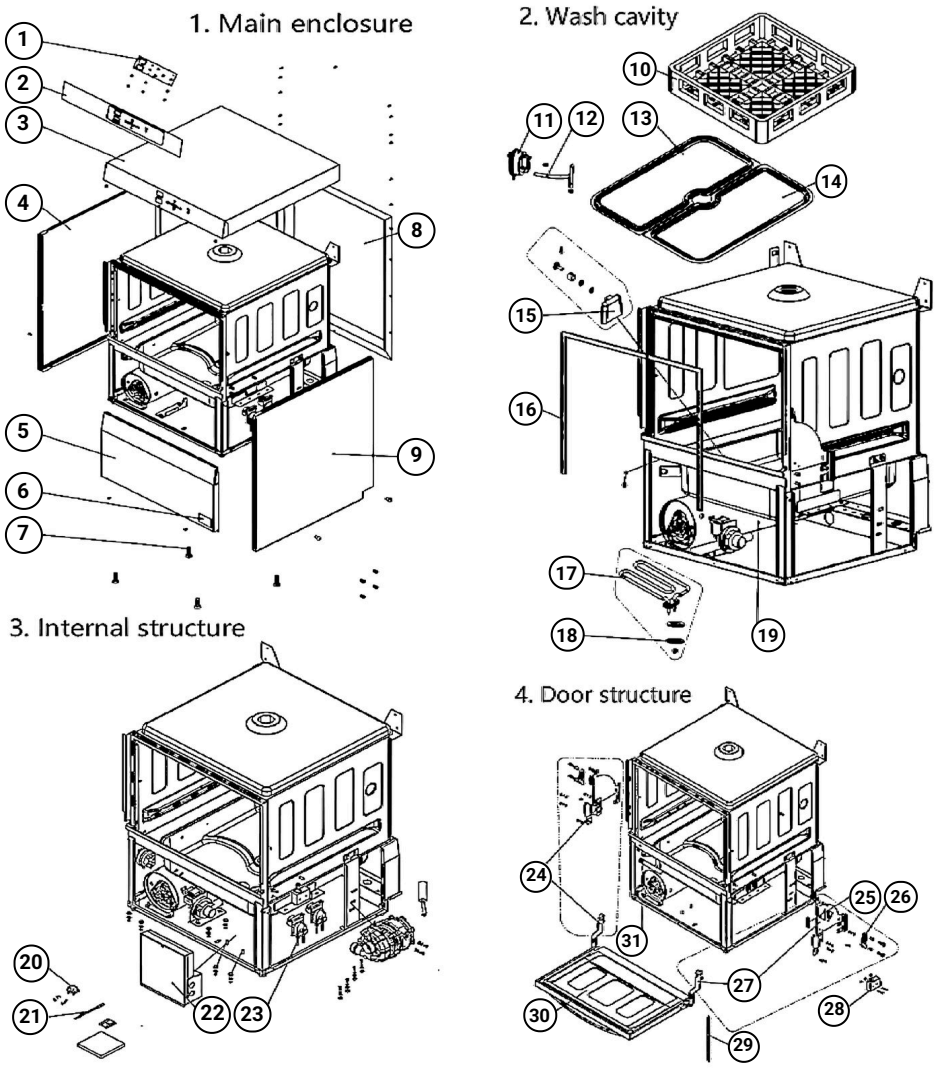
PROBLEM	POSSIBLE CAUSE / SOLUTION
The dishwasher does not work	1. Open the door for 2 seconds, then close it. 2. Power fuse blown or circuit breaker tripped. 3. Check whether the control board fuse is damaged (the board carries a spare fuse).
Cleaning takes a long time	1. The heating tank does not reach the set temperature. 2. Check whether the preheating time is too short, and whether the thermostat and heater are damaged.
Dishes not washed clean	1. Wash pump suction blocked, causing insufficient water pressure: turn off the power supply, drain the water tank and check the pump suction for foreign matter. 2. Water temperature too low or preheating time too short: check the thermostat and heater. 3. Incorrect amount of detergent: contact your detergent supplier. 4. Too much scale on the wash arm and spray arm: a descaling procedure may be needed.

Troubleshooting

Spots on cutlery, glasses, dishes	1. Tableware loaded incorrectly in the basket. 2. Spray water temperature too low. 3. Water pump suction port blocked; water pressure too low. 4. Water hardness too high. 5. Detergent not suitable for the water used. 6. Rinse aid (quick-drying agent) not suitable for the water used. 7. Incorrect detergent or rinse aid concentration.
No rinsing	1. Inlet filter screen too dirty, slowing the flow: turn off the water supply, open the inlet hose connector and the solenoid valve connector, remove and clean the filter, then refit it. 2. Water supply pressure too low.
Valve leakage	1. Foreign matter is preventing the valve from working normally. **Note:** inspection after installation is critical, as pipe compound or debris may fall into the valve during installation. Shut off the water supply, loosen the screws, remove the cap from the valve, clean the valve thoroughly and reassemble it.
No water fill or slow water fill	1. Inlet filter screen too dirty, slowing the flow: turn off the water supply, open the inlet hose connector and the solenoid valve inlet connector, remove and clean the filter, then refit it. 2. Water supply pressure too low.
If these checks do not resolve the issue, stop using the unit and contact Omcan Customer Service at 1-800-465-0234.	

Parts Breakdown

Model CD-CN-UH50 49208



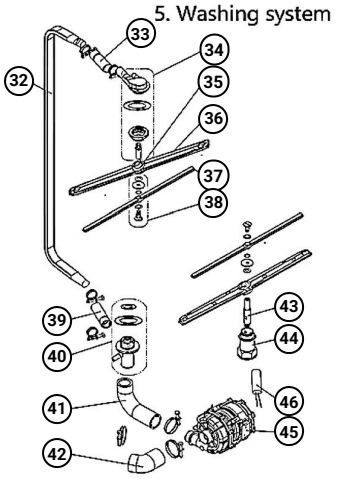
Pos.	Part	Omcan Part No.
1	Display Board	AX289
2	Mylar	AX290
3	Top Cover	AX291
4	Left Plate	AX292
5	Bottom Front Cover	AX293
6	Dataplate	AX294
7	Foot Bolt	AX295
8	Back Plate	AX296
9	Right Plate	AX297
10	Peg Dishrack	AX298
11	Pressure Switch	AX299

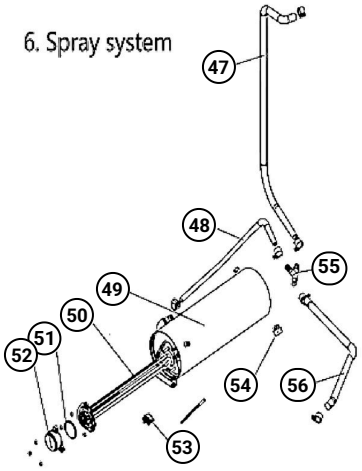
Pos.	Part	Omcan Part No.
12	Air Guide Pipe	AX300
13	Left Mesh Plate	AX301
14	Right Mesh Plate	AX302
15	Pressure Gauge Chamber Assembly	AX303
16	Door Seal	AX304
17	Wash Heater Assembly	AX305
18	Wash Heater Gasket	AX306
19	Rinse Tank Assembly	AX307
20	90°C Thermostat	AX308
21	Probe	AX309
22	Power Supply Box	AX310

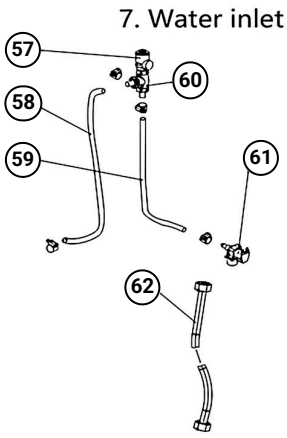
Pos.	Part	Omcan Part No.
23	Detergent Pump (Undercounter)	AX311
24	Left Door Hinge Assembly	AX312
25	White Stopper	AX313
26	Spring Steel Strip (Left & Right)	AX314
27	Right Door Hinge Assembly	AX315
28	Door Switch	AX316
29	Door Extension Spring	AX317
30	Door Assembly	AX318
31	Black Foam Tube to Tank	AX319

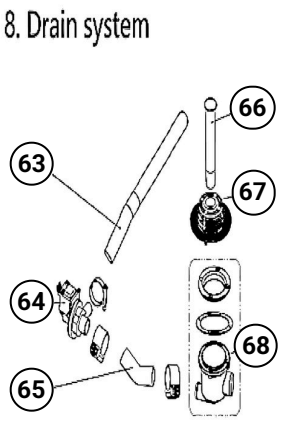
Parts Breakdown

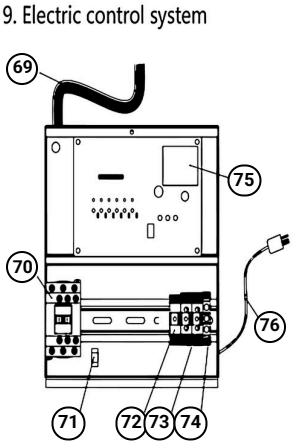
Model CD-CN-UH50 49208











Pos.	Part	Omcan Part No.
32	Up Inlet Tube	AX320
33	Short Pipe 1	AX321
34	Wash Top Base Assembly	AX322
35	Wash Arm Sleeve	AX323
36	Wash Arm	AX324
37	Spray Arm	AX325
38	Wash Bottom Assembly	AX326
39	Short Pipe 2	AX327
40	Bottom Tee Fitting	AX328
41	Bottom Elbow	AX329
42	Elbow to Main Wash Pump	AX330
43	Bottom Wash Rod	AX331
44	Bottom Wash Base	AX332
45	Main Wash Pump	AX333
46	Capacitor	AX334

Pos.	Part	Omcan Part No.
47	Spray Inlet Pipe 1	AX335
48	Spray Inlet Pipe 2	AX336
49	Booster Heater Tank with Black Hose	AX337
50	Booster Heater Assembly	AX338
51	Booster Gasket	AX339
52	Booster Heater Cap	AX340
53	105C/110C Thermostat	AX341
54	Booster Stopper	AX342
55	Triplet	AX343
56	Spray Inlet Pipe 3	AX344
57	Vacuum Breaking Valve	AX345
58	Water Connect Pipe 1	AX346
59	Water Connect Pipe 2	AX347
60	3/4 Tee Fitting	AX348
61	Water Inlet Valve	AX349

Pos.	Part	Omcan Part No.
62	Inlet Water Hose	AX350
63	Drain Pump Outlet Pipe	AX351
64	Drain Pump	AX352
65	Drain Pump Elbow	AX353
66	Overflow Pipe	AX354
67	Filter	AX355
68	Drain Assembly	AX356
69	Ribbon Cable	AX357
70	Contactor	AX358
71	Fuse	AX359
72	Terminal Clamp	AX360
73	Terminal Block	AX361
74	Ground Terminal	AX362
75	Electronic Control Board-UH	AX363
76	Power Cord Set	AX364

Parts Breakdown

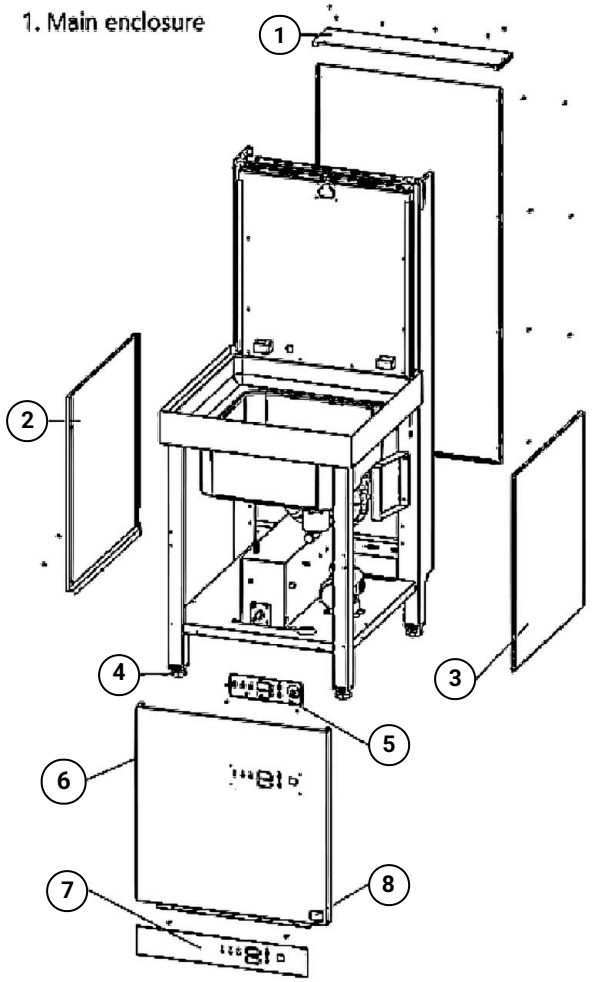
Model CD-CN-UH50 49208

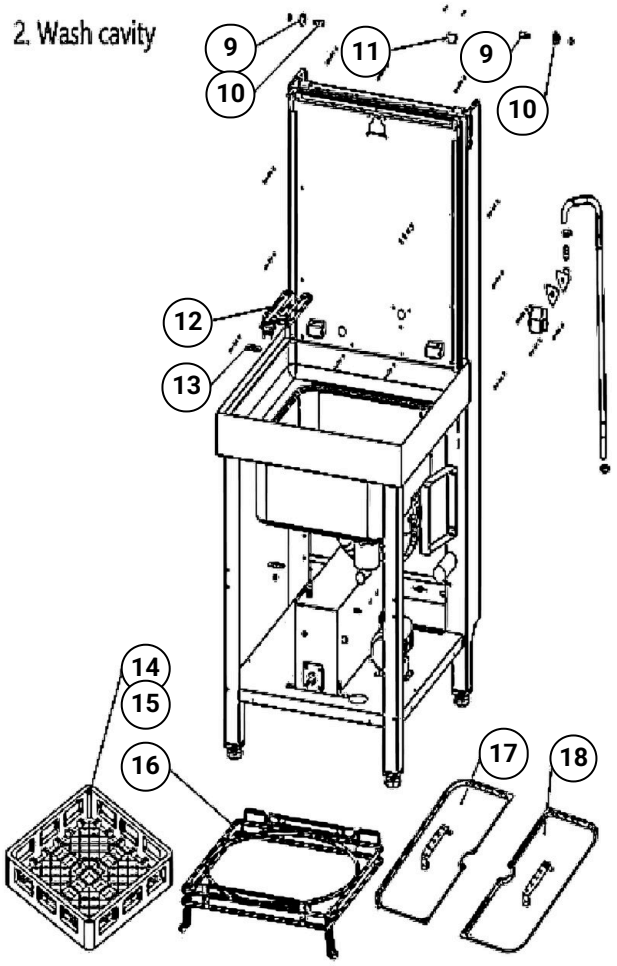
Note: Position refers to the callout number on the exploded diagram. Positions marked with a letter (e.g. 15A) are variants of the numbered position and are not called out separately on the drawing.

Omcan Part No.	Description	Position	Omcan Part No.	Description	Position
AX289	Display Board for Dishwasher 49208	1	**AX327**	Short Pipe 2 for Dishwasher 49208	39
AX290	Mylar for Dishwasher 49208	2	**AX328**	Bottom Tee Fitting for Dishwasher 49208	40
AX291	Top Cover for Dishwasher 49208	3	**AX329**	Bottom Elbow for Dishwasher 49208	41
AX292	Left Plate for Dishwasher 49208	4	**AX330**	Elbow to Main Wash Pump for Dishwasher 49208	42
AX293	Bottom Front Cover for Dishwasher 49208	5	**AX331**	Bottom Wash Rod for Dishwasher 49208	43
AX294	Dataplate for Dishwasher 49208	6	**AX332**	Bottom Wash Base for Dishwasher 49208	44
AX295	Foot Bolt for Dishwasher 49208	7	**AX333**	Main Wash Pump for Dishwasher 49208	45
AX296	Back Plate for Dishwasher 49208	8	**AX334**	Capacitor for Dishwasher 49208	46
AX297	Right Plate for Dishwasher 49208	9	**AX335**	Spray Inlet Pipe 1 for Dishwasher 49208	47
AX298	Peg Dishrack for Dishwasher 49208	10	**AX336**	Spray Inlet Pipe 2 for Dishwasher 49208	48
AX299	Pressure Switch for Dishwasher 49208	11	**AX337**	Booster Heater Tank with Black Hose for Dishwasher 49208	49
AX300	Air Guide Pipe for Dishwasher 49208	12	**AX338**	Booster Heater Assembly for Dishwasher 49208	50
AX301	Left Mesh Plate for Dishwasher 49208	13	**AX339**	Booster Gasket for Dishwasher 49208	51
AX302	Right Mesh Plate for Dishwasher 49208	14	**AX340**	Booster Heater Cap for Dishwasher 49208	52
AX303	Pressure Gauge Chamber Assembly for Dishwasher 49208	15/15A	**AX341**	105C/110C Thermostat for Dishwasher 49208, 49209	53
AX304	Door Seal for Dishwasher 49208	16	**AX342**	Booster Stopper for Dishwasher 49208	54
AX305	Wash Heater Assembly for Dishwasher 49208	17	**AX343**	Triplet for Dishwasher 49208	55
AX306	Wash Heater Gasket for Dishwasher 49208	18	**AX344**	Spray Inlet Pipe 3 for Dishwasher 49208	56
AX307	Rinse Tank Assembly for Dishwasher 49208	19	**AX345**	Vacuum Breaking Valve for Dishwasher 49208	57
AX308	90°C Thermostat for Dishwasher 49208	20	**AX346**	Water Connect Pipe 1 for Dishwasher 49208	58
AX309	Probe for Dishwasher 49208	21	**AX347**	Water Connect Pipe 2 for Dishwasher 49208	59
AX310	Power Supply Box for Dishwasher 49208	22	**AX348**	3/4 Tee Fitting for Dishwasher 49208	60
AX311	Detergent Pump (Undercounter) for Dishwasher 49208	23	**AX349**	Water Inlet Valve for Dishwasher 49208, 49209	61
AX312	Left Door Hinge Assembly for Dishwasher 49208	24	**AX350**	Inlet Water Hose for Dishwasher 49208, 49209	62/62A
AX313	White Stopper for Dishwasher 49208	25	**AX351**	Drain Pump Outlet Pipe for Dishwasher 49208	63
AX314	Spring Steel Strip (Left & Right) for Dishwasher 49208	26	**AX352**	Drain Pump for Dishwasher 49208	64
AX315	Right Door Hinge Assembly for Dishwasher 49208	27	**AX353**	Drain Pump Elbow for Dishwasher 49208	65
AX316	Door Switch for Dishwasher 49208	28	**AX354**	Overflow Pipe for Dishwasher 49208	66
AX317	Door Extension Spring for Dishwasher 49208	29	**AX355**	Filter for Dishwasher 49208, 49209	67
AX318	Door Assembly for Dishwasher 49208	30	**AX356**	Drain Assembly for Dishwasher 49208, 49209	68
AX319	Black Foam Tube to Tank for Dishwasher 49208	31	**AX357**	Ribbon Cable for Dishwasher 49208	69
AX320	Up Inlet Tube for Dishwasher 49208	32	**AX358**	Contactor for Dishwasher 49208, 49209	70
AX321	Short Pipe 1 for Dishwasher 49208	33	**AX359**	Fuse for Dishwasher 49208, 49209	71
AX322	Wash Top Base Assembly for Dishwasher 49208	34	**AX360**	Terminal Clamp for Dishwasher 49208, 49209	72
AX323	Wash Arm Sleeve for Dishwasher 49208	35	**AX361**	Terminal Block for Dishwasher 49208, 49209	73
AX324	Wash Arm for Dishwasher 49208	36	**AX362**	Ground Terminal for Dishwasher 49208, 49209	74
AX325	Spray Arm for Dishwasher 49208	37	**AX363**	Electronic Control Board-UH for Dishwasher 49208	75
AX326	Wash Bottom Assembly for Dishwasher 49208	38	**AX364**	Power Cord Set for Dishwasher 49208	76

Parts Breakdown

Model CD-CN-DH60 49209





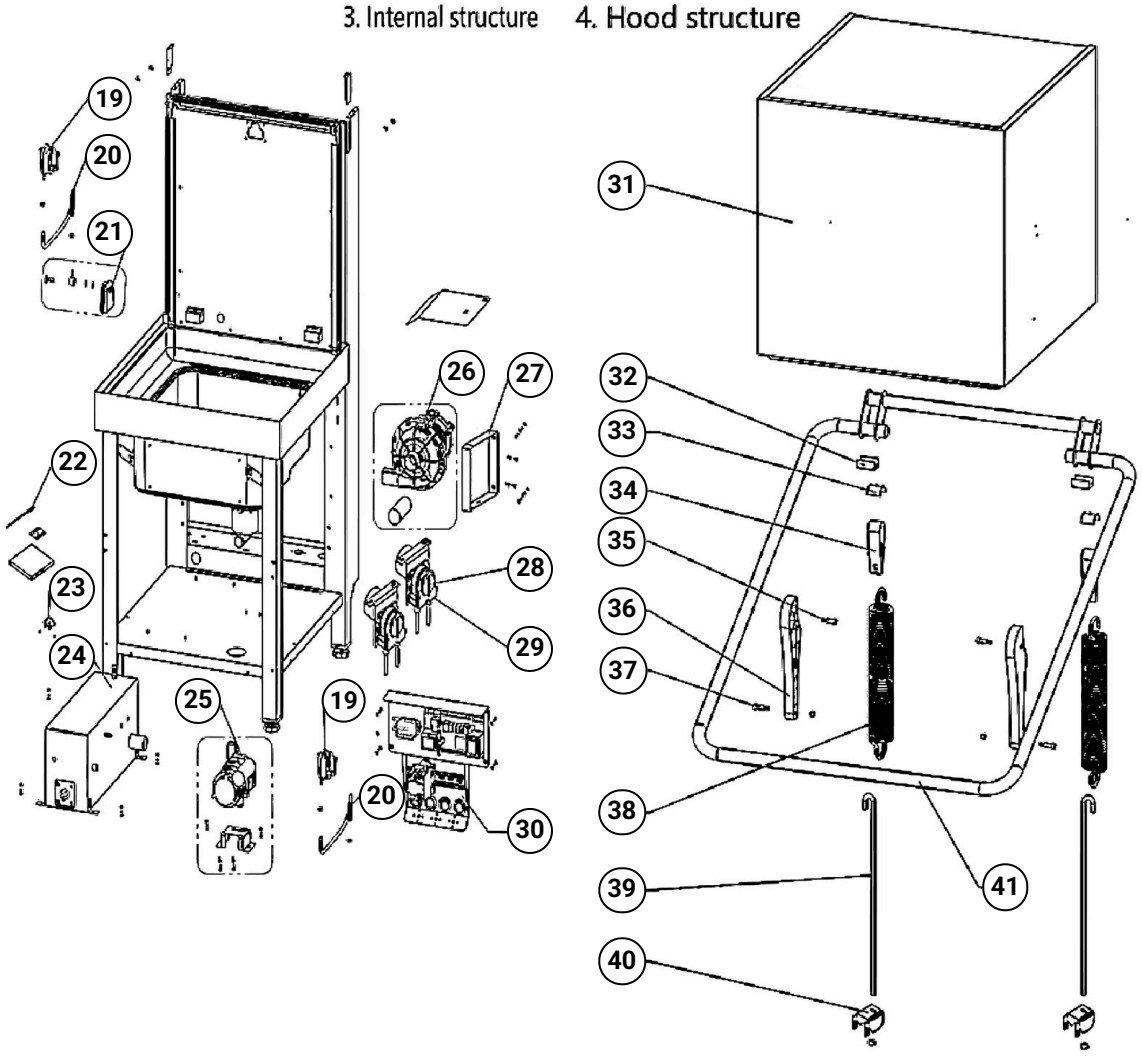
Pos.	Part	Omcan Part No.
1	Back Top Cover	AX365
2	Left Plate	AX366
3	Right Plate	AX367
4	Foot	AX368
5	Display Board	AX369
6	Front Plate	AX370

Pos.	Part	Omcan Part No.
7	Mylar	AX371
8	Dataplate	AX372
9	Guide Roller	AX373
10	Guide Roller Axis	AX374
11	Magnet Switch	AX375
12	Wash Heater	AX376

Pos.	Part	Omcan Part No.
13	Heater Gasket	AX377
14	Peg Dishrack	AX378
15	Flatware Dishrack	AX379
16	Dishrack Bracket	AX380
17	Left Mesh Plate	AX381
18	Right Mesh Plate	AX382

Parts Breakdown

Model CD-CN-DH60 49209



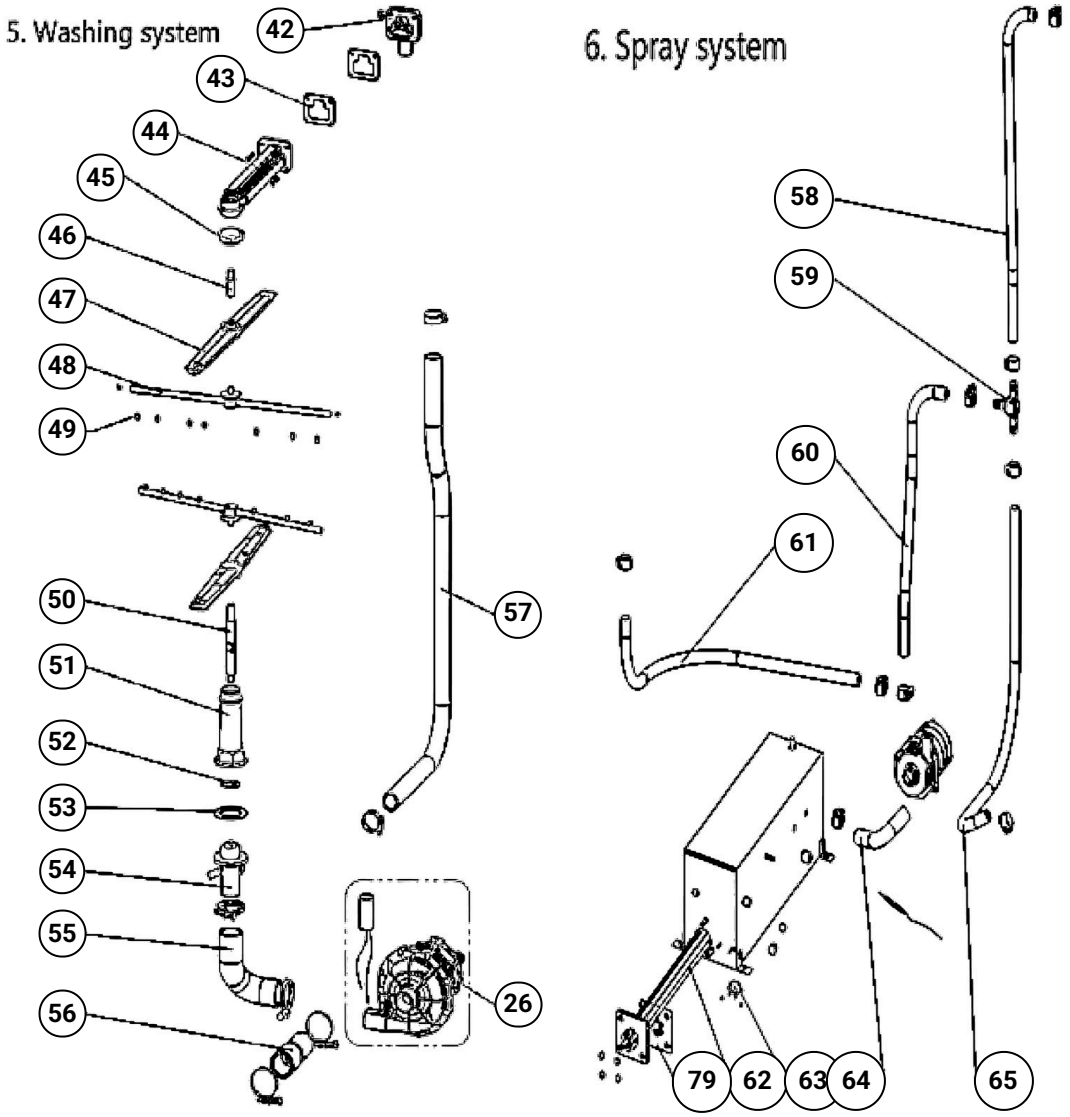
Pos.	Part	Omcan Part No.
19	Pressure Switch	AX383
20	Air Guide Pipe	AX384
21	Pressure Gauge Chamber Assembly	AX385
22	Probe	AX387
23	90C Thermostat	AX388
24	Rinse Tank Assembly	AX389
25	Rinse Pump Assembly	AX390
26	Main Wash Pump	AX391

Pos.	Part	Omcan Part No.
27	Main Wash Pump Bracket	AX392
28	Detergent Pump (Door Type)	AX393
29	Detergent Tube (Door Type)	AX394
30	Electronic Control Board-DH	AX395
31	Hood Assembly	AX396
32	Handle Fixture Block	AX397
33	Anti Wear Block	AX398
34	Pull Spring Hinging Plate	AX399

Pos.	Part	Omcan Part No.
35	Handle Screw	AX400
36	Connect Block (Left & Right)	AX401
37	Fixed Axis	AX402
38	Pull Spring	AX403
39	Draw Hook	AX404
40	Pull Spring Hinging Bracket	AX405
41	Handle Assembly	AX406

Parts Breakdown

Model CD-CN-DH60 49209



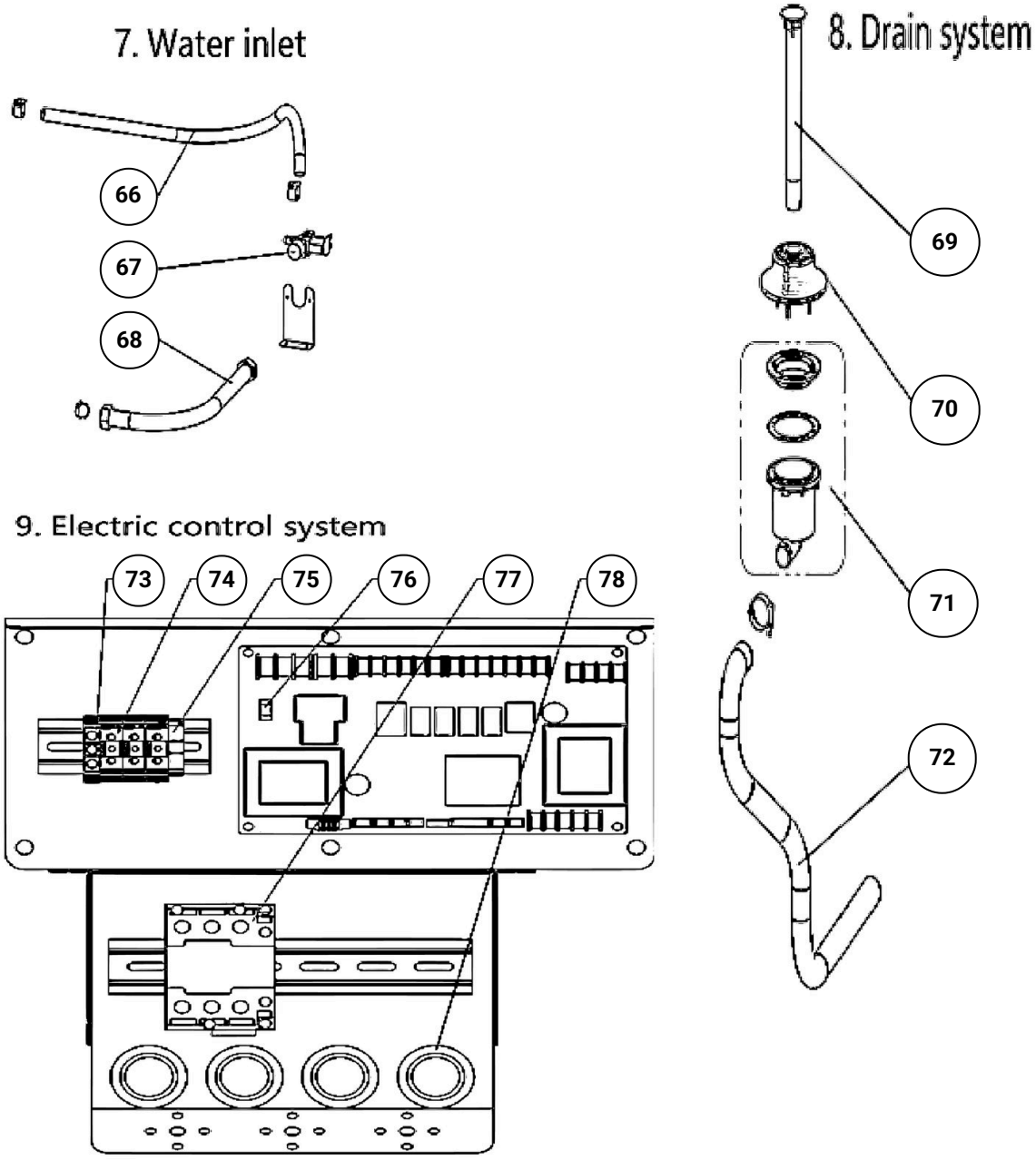
Pos.	Part	Omcan Part No.
26	Main Wash Pump	AX391
42	Top Spray Arm Back Base	AX407
43	Top Gasket	AX408
44	Top Spray Arm Base	AX409
45	Top Base Nut	AX410
46	Top Spray Arm Axis	AX411
47	Wash Arm	AX412
48	Spray Arm	AX413
49	Spray Head	AX414

Pos.	Part	Omcan Part No.
50	Spray Arm Axis	AX415
51	Bottom Spray Arm Base	AX416
52	Throttle Plate	AX417
53	Seal Gasket	AX418
54	Bottom Triplet	AX419
55	Drain Pipe	AX420
56	Inlet Pipe	AX421
57	Rubber Pipe	AX422
58	Close Top Spray Inlet Pipe	AX423

Pos.	Part	Omcan Part No.
59	Spray Triplet	AX424
60	Close Pump Inlet Pipe	AX425
61	Inlet Water Pipe	AX426
62	Spray Heater	AX427
63	105C/110C Thermostat	AX341
64	Rinse Pump Inlet Hose	AX428
65	Close Bottom Spray Arm Inlet Pipe	AX429
79	Seal Gasket	AX418

Parts Breakdown

Model CD-CN-DH60 49209



Pos.	Part	Omcan Part No.
66	Inlet Black Hose	AX430
67	Water Inlet Valve	AX349
68	Inlet Water Hose	AX350
69	Overflow Pipe	AX432
70	Filter	AX355

Pos.	Part	Omcan Part No.
71	Drain Assembly	AX356
72	Drain Corrugated Pipe	AX433
73	Ground Terminal	AX362
74	Terminal Block	AX361
75	Terminal Clamp	AX360

Pos.	Part	Omcan Part No.
76	Fuse	AX359
77	Contactor	AX358
78	Strain Relief	AX434

Parts Breakdown

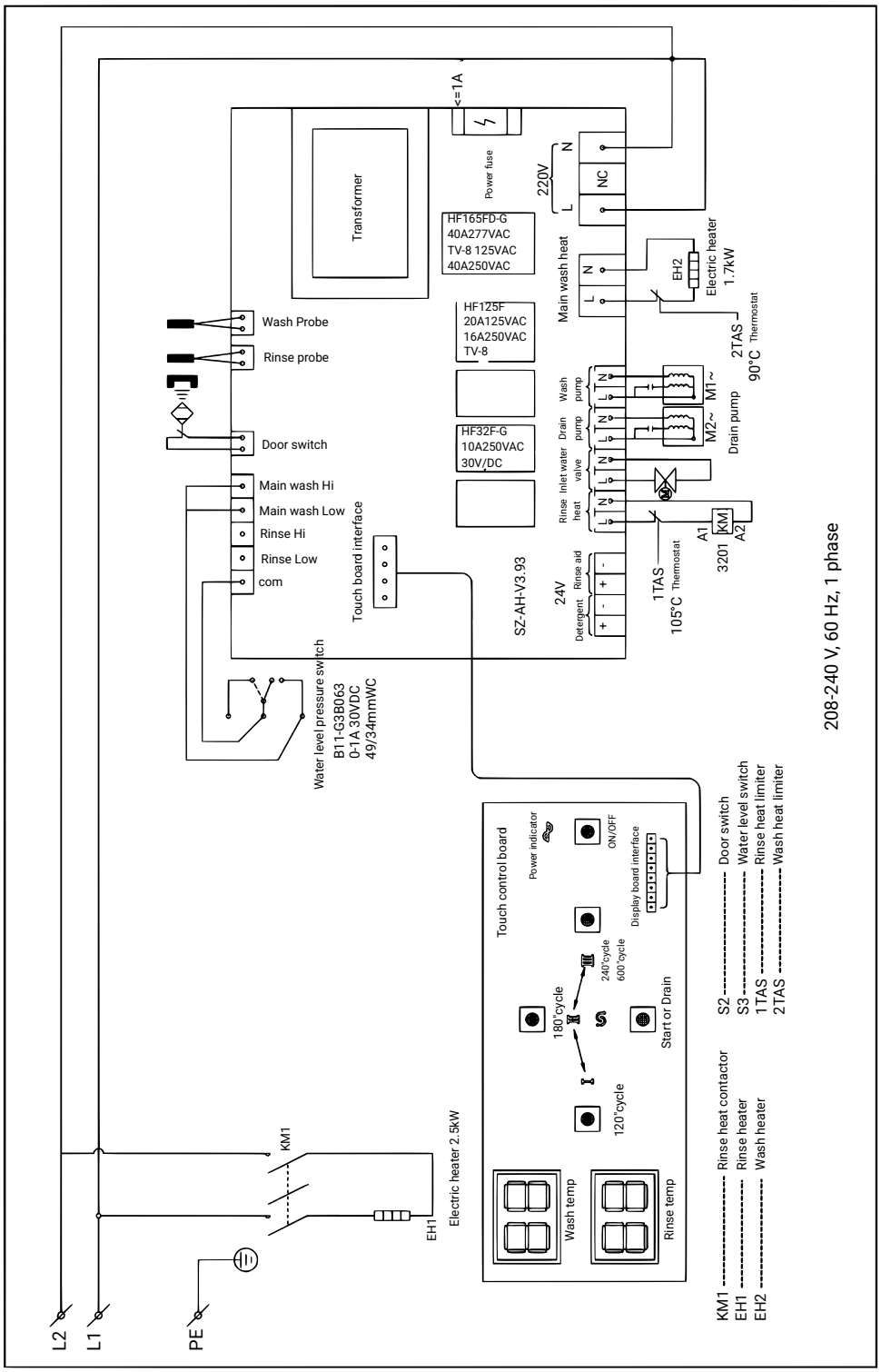
Model CD-CN-DH60 49209

Note: Position refers to the callout number on the exploded diagram. Positions marked with a letter (e.g. 15A) are variants of the numbered position and are not called out separately on the drawing.

Omcan Part No.	Description	Position	Omcan Part No.	Description	Position
AX365	Back Top Cover for Dishwasher 49209	1	**AX406**	Handle Assembly for Dishwasher 49209	41
AX366	Left Plate for Dishwasher 49209	2	**AX407**	Top Spray Arm Back Base for Dishwasher 49209	42
AX367	Right Plate for Dishwasher 49209	3	**AX408**	Top Gasket for Dishwasher 49209	43
AX368	Foot for Dishwasher 49209	4	**AX409**	Top Spray Arm Base for Dishwasher 49209	44
AX369	Display Board for Dishwasher 49209	5	**AX410**	Top Base Nut for Dishwasher 49209	45
AX370	Front Plate for Dishwasher 49209	6	**AX411**	Top Spray Arm Axis for Dishwasher 49209	46
AX371	Mylar for Dishwasher 49209	7	**AX412**	Wash Arm for Dishwasher 49209	47
AX372	Dataplate for Dishwasher 49209	8	**AX413**	Spray Arm for Dishwasher 49209	48
AX373	Guide Roller for Dishwasher 49209	9	**AX414**	Spray Head for Dishwasher 49209	49
AX374	Guide Roller Axis for Dishwasher 49209	10	**AX415**	Spray Arm Axis for Dishwasher 49209	50
AX375	Magnet Switch for Dishwasher 49209	11	**AX416**	Bottom Spray Arm Base for Dishwasher 49209	51
AX376	Wash Heater for Dishwasher 49209	12	**AX417**	Throttle Plate for Dishwasher 49209	52
AX377	Heater Gasket for Dishwasher 49209	13	**AX418**	Seal Gasket for Dishwasher 49209	53
AX378	Peg Dishrack for Dishwasher 49209	14	**AX419**	Bottom Triplet for Dishwasher 49209	54
AX379	Flatware Dishrack for Dishwasher 49209	15	**AX420**	Drain Pipe for Dishwasher 49209	55
AX380	Dishrack Bracket for Dishwasher 49209	16	**AX421**	Inlet Pipe for Dishwasher 49209	56
AX381	Left Mesh Plate for Dishwasher 49209	17	**AX422**	Rubber Pipe for Dishwasher 49209	57
AX382	Right Mesh Plate for Dishwasher 49209	18	**AX423**	Close Top Spray Inlet Pipe for Dishwasher 49209	58
AX383	Pressure Switch for Dishwasher 49209	19	**AX424**	Spray Triplet for Dishwasher 49209	59
AX384	Air Guide Pipe for Dishwasher 49209	20	**AX425**	Close Pump Inlet Pipe for Dishwasher 49209	60
AX385	Pressure Gauge Chamber Assembly for Dishwasher 49209	21	**AX426**	Inlet Water Pipe for Dishwasher 49209	61
AX386	SS Pressure Gauge Chamber Assembly for Dishwasher 49209	21A	**AX427**	Spray Heater for Dishwasher 49209	62
AX387	Probe for Dishwasher 49209	22	**AX341**	105C/110C Thermostat for Dishwasher 49208, 49209	63
AX388	90C Thermostat for Dishwasher 49209	23	**AX428**	Rinse Pump Inlet Hose for Dishwasher 49209	64
AX389	Rinse Tank Assembly for Dishwasher 49209	24	**AX429**	Close Bottom Spray Arm Inlet Pipe for Dishwasher 49209	65
AX390	Rinse Pump Assembly for Dishwasher 49209	25	**AX430**	Inlet Black Hose for Dishwasher 49209	66
AX391	Main Wash Pump for Dishwasher 49209	26	**AX349**	Water Inlet Valve for Dishwasher 49208, 49209	67
AX392	Main Wash Pump Bracket for Dishwasher 49209	27	**AX350**	Inlet Water Hose for Dishwasher 49208, 49209	68
AX393	Detergent Pump (Door Type) for Dishwasher 49209	28	**AX431**	SS Inlet Water Hose for Dishwasher 49209	68A
AX394	Detergent Tube (Door Type) for Dishwasher 49209	29	**AX432**	Overflow Pipe for Dishwasher 49209	69
AX395	Electronic Control Board-DH for Dishwasher 49209	30	**AX355**	Filter for Dishwasher 49208, 49209	70
AX396	Hood Assembly for Dishwasher 49209	31	**AX356**	Drain Assembly for Dishwasher 49208, 49209	71
AX397	Handle Fixture Block for Dishwasher 49209	32	**AX433**	Drain Corrugated Pipe for Dishwasher 49209	72
AX398	Anti Wear Block for Dishwasher 49209	33	**AX362**	Ground Terminal for Dishwasher 49208, 49209	73
AX399	Pull Spring Hinging Plate for Dishwasher 49209	34	**AX361**	Terminal Block for Dishwasher 49208, 49209	74
AX400	Handle Screw for Dishwasher 49209	35	**AX360**	Terminal Clamp for Dishwasher 49208, 49209	75
AX401	Connect Block (Left & Right) for Dishwasher 49209	36	**AX359**	Fuse for Dishwasher 49208, 49209	76
AX402	Fixed Axis for Dishwasher 49209	37	**AX358**	Contactor for Dishwasher 49208, 49209	77
AX403	Pull Spring for Dishwasher 49209	38	**AX434**	Strain Relief for Dishwasher 49209	78
AX404	Draw Hook for Dishwasher 49209	39	**AX418**	Seal Gasket for Dishwasher 49209	79
AX405	Pull Spring Hinging Bracket for Dishwasher 49209	40			

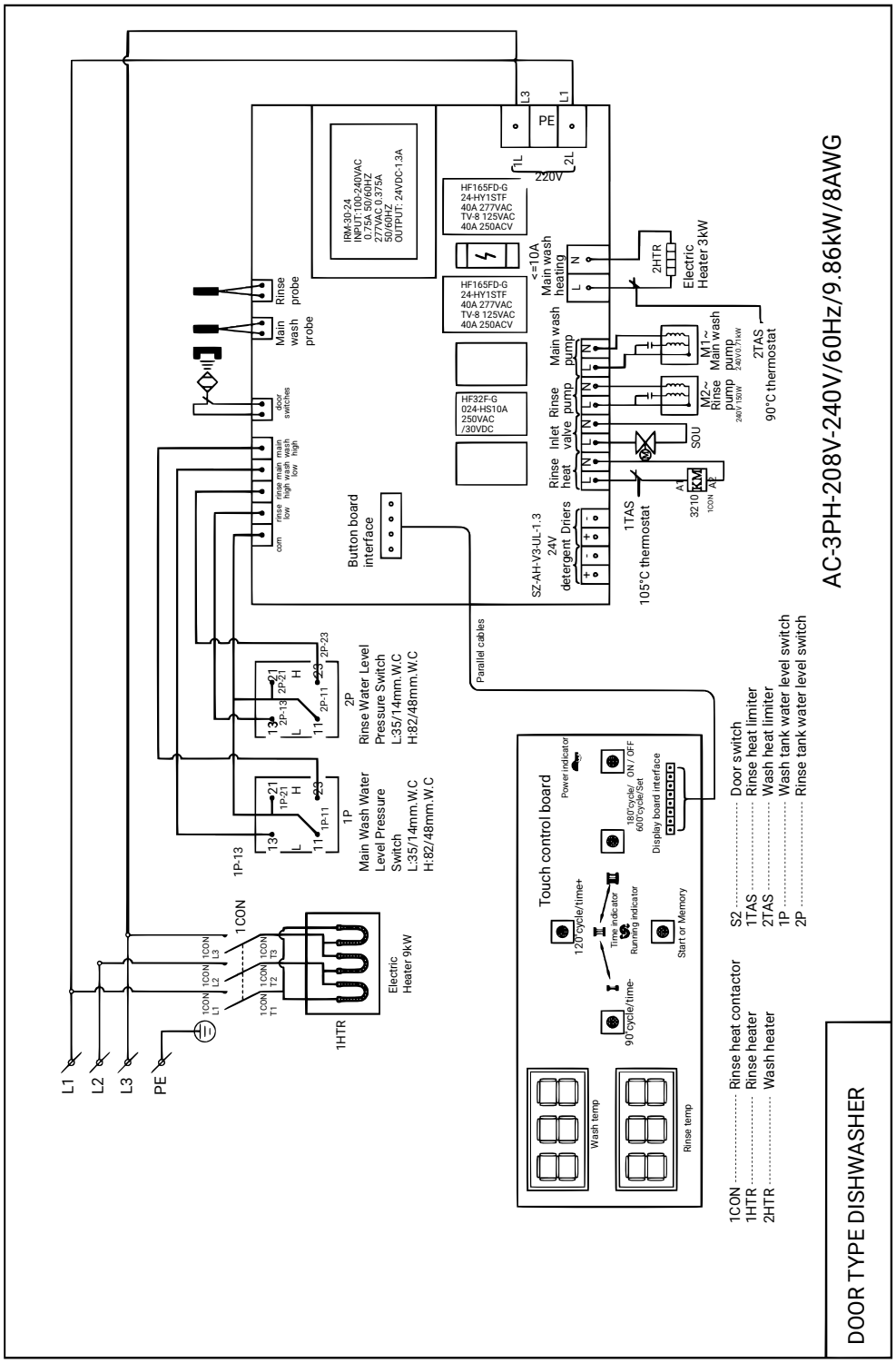
Electrical Schematics

Model CD-CN-UH50 49208



Note: the supply terminal on the control board is marked "N" (board marking as certified). On this 208-240V 2-pole unit it connects to the second line, L2. It is **NOT** a neutral.

Model CD-CN-DH60 49209



Notes

Warranty Registration

Thank you for purchasing an Omcan product. To register your warranty for this product, complete the information below, tear off the card at the perforation and then send to the address specified below. You can also register online by visiting:

Merci d'avoir acheté un produit Omcan. Pour enregistrer votre garantie pour ce produit, complétez les informations ci-dessous, détachez la carte au niveau de la perforation, puis envoyez-la à l'adresse spécifiée ci-dessous. Vous pouvez également vous inscrire en ligne en visitant:

Gracias por comprar un producto Omcan. Para registrar su garantía para este producto, complete la información a continuación, corte la tarjeta en la perforación y luego envíela a la dirección indicada a continuación. También puede registrarse en línea en:

https://omcan.com/warranty-registration/

For mailing in Canada · Pour envoi postal au Canada · Por correo en Canadá

OMCAN
PRODUCT WARRANTY REGISTRATION
3115 Pepper Mill Court,
Mississauga, Ontario
Canada, L5L 4X5

For mailing in the US · Pour envoi postal aux États-Unis · Por correo en los EE.UU.

OMCAN
PRODUCT WARRANTY REGISTRATION
4450 Witmer Industrial Estates, Unit 4,
Niagara Falls, New York
USA, 14305

or email to: service@omcan.com

✂ ----------

Purchaser's Information

Name: _____

Address: _____

City: _____

Province or State: _____

Postal or Zip: _____

Country: _____

Dealer from which Purchased: _____

Dealer City: _____

Dealer Province or State: _____

Invoice: _____

Company Name: _____

Telephone: _____

Email Address: _____

Type of Company:

☐ Restaurant ☐ Bakery ☐ Deli ☐ Butcher
☐ Supermarket ☐ Caterer
☐ Institution *(specify)* _____
☐ Other *(specify)* _____

Model Name: _____

Model Number: _____

Serial Number: _____

Machine Description: _____

Date of Purchase (MM/DD/YYYY): _____

Date of Installation (MM/DD/YYYY): _____

Would you like to extend the warranty? ☐ Yes ☐ No

Thank you for choosing Omcan | Merci d'avoir choisi Omcan | Gracias por elegir Omcan

Since 1951 Omcan has grown to become a leading distributor of equipment and supplies to the North American food service industry. Our success over these many years can be attributed to our commitment to strengthen and develop new and existing relationships with our valued customers and manufacturers. Today with partners in North America, Europe, Asia and South America, we continually work to improve and grow the company. We strive to offer customers exceptional value through our qualified local sales and service representatives who provide convenient access to over 6,500 globally sourced products.

Depuis 1951 Omcan a grandi pour devenir un des "leaders" de la distribution des équipements et matériel pour l'industrie des services alimentaires en Amérique du Nord. Notre succès au cours de ces nombreuses années peut être attribué à notre engagement à renforcer et à développer de nouvelles et existantes relations avec nos clients et les fabricants de valeur. Aujourd'hui avec des partenaires en Amérique du Nord, Europe, Asie et Amérique du Sud, nous travaillons continuellement à améliorer et développer l'entreprise. Nous nous efforçons d'offrir à nos clients une valeur exceptionnelle grâce à nos ventes locales qualifiées et des représentants de service qui offrent un accès facile à plus de 6500 produits provenant du monde entier.

Desde 1951 Omcan ha crecido hasta convertirse en un líder en la distribución de equipos y suministros para la industria de servicios de alimentos en América del Norte. Nuestro éxito en estos años se puede atribuir a nuestro compromiso de fortalecer y desarrollar relaciones nuevas y existentes con nuestros valiosos clientes y fabricantes. Hoy con socios de América del Norte, Europa, Asia y América del Sur, trabajamos continuamente para mejorar y crecer la empresa. Nos esforzamos por ofrecer a nuestros clientes valor excepcional a través de nuestro local de ventas y representantes de los servicios que proporcionan un fácil acceso a más de 6,500 productos con origen a nivel mundial.