**Standard Dry Air Flow**

When the control advances to the "dry" portion of the cycle, a vent actuation solenoid is closed. This opens the vent valve and starts the fan both located in the top right rear corner of the tub. The fan draws in the air from outside the tub, forcing the hot, humid air down and out the bottom of the outer door panel. This outside, cooler, dryer air helps to speed evaporation of water from the hot dishes. At the same time the heating element is continually cycled on and off. On some models the dry portion of the cycle can be extended to improve drying performance.

**Trouble Shooting Tips**

**Symptom**

**Check the Following**

**Remedy**

Dishwasher will not operate when turned on.

1. Fuse (fused or tripped).
2. 120 Vac supply wiring connection faulty.
3. Electronic control board defective.
4. No 12 Vac power to control.
5. Motor (inoperative).
6. Door switch (open contacts).
7. Door latch not making contact with door switch.
8. Touch pad circuit defective.
9. Hi-limit indicator lamp illuminate when START or OPT/RUN is pressed.

1. Replace fuse or reset breaker.
2. Repair or replace wire fasteners at dishwasher junction box.
3. Replace control board.
4. Replace control board.
5. Replace motor/impeller assembly.
6. Replace latch assembly.
7. Replace latch assembly.
8. Replace control assembly.
9. Replace control assembly.

Motor hums but will not start or run.

1. Motor (bad bearings).
2. Motor stuck due to prolonged non-use.

1. Replace motor assembly.
2. Rotate motor impeller.

Motor trips out on internal thermal overload protector.

1. Improper voltage.
3. Glass or foreign item in pump.
4. Check voltage.
5. Replace motor/impeller assembly.
6. Clean and clear blockage.

1. Replace heater element.
2. Replace control board.
3. Repair or replace.
4. Replace heater.

Dishwasher runs but will not heat.

1. Heated Wash/Heated Rinse
2. Electronic control board defective.
3. Wiring or terminal defective.

1. Replace heater element.
2. Replace control board.
3. Repair or replace.
4. Replace thermostat.

Dishwasher will not pump out.

1. Drain restricted.
2. Electronic control board defective.
3. Defective drain pump.
4. Blocked impeller.
5. Open windings.
6. Wiring or terminal defective.

1. Clear restrictions.
2. Replace control board.
3. Replace drain pump.
4. Check for blockage, clear.
5. Repair pump assembly.
6. Repair or replace.

Dishwasher will not fill with water.

1. Water supply turned on.
2. Defective water inlet valve.
3. Check valve screw for obstructions.
4. Defective float switch.
5. Electronic control board defective.
6. Wiring or terminal defective.
7. Float stuck in "UP" position.

1. Turn water supply off.
2. Replace water inlet fill valve.
4. Repair or replace.
5. Replace control board.
6. Repair or replace.
7. Clean float.

Dishwasher water overflows.

1. Drain hose (high) loop too low.
2. Drain line connected to a floor drain not ventsed.
3. Drain line connected to a floor drain not vented.

1. Repair to proper 32-inch minimum height.
2. Install air gap at counter top.

Detergent left in dispenser.

1. Detergent allowed to stand long in dispenser.
2. Detergent cover held closed or blocked by large dishes.
3. Check detergent dispenser.
4. Repair or replace.
5. Detergent cover will not open.

1. Instruct customer/user.
2. Instruct customer/user.
3. Instruct customer/user.
4. Instruct customer/user.
5. Instruct customer/user.

Electrical Specifications

RATING: 120 Volts, 60Hz
Separate Circuit, 15 amp min. - 20 amp max.
Motor (Amps) 1.8
Heater Voltage 9.8

Total Amps (load rated): 4.9
Temperature: 49 - 9.7°F U.S. gallon, 118.5°F (6°C) (4°C) 14°F ±5°F (5°C) (3°C) 14°F ±5°F (5°C) (3°C) 14°F ±5°F (5°C) (3°C) (20°F (5°C) (3°C) (20°F (5°C) (3°C)

Suggested minimum incoming water temperature \(120°F (49°C)\)
Pressure (PSI) min./max. 20/120
Consumption (Normal Cycle) 1/4
Water valve flow rate (U.S. GPM) 83
Water recirculation rate (U.S. GPM) 12
Water fill time (approx.) 87 sec.

**Detergent and Rinse Aid Dispenser**

The detergent and rinse aid dispenser is a one piece component consisting of a molded detergent cup and a built-in rinse aid dispenser. The detergent cup has a spring loaded cover and the rinse aid dispenser has a removable cover.

Liquid rinse aid is added to the dispenser up to the fill line indicator. The amount of rinse aid released can be adjusted by turning the arrow indicator on the cover from one, being the least amount, to four, being the greatest amount.

**Tub and Door Seal**

The door seal is pressed into the tub channel for an interference fit. To install the seal, locate the center mark on the seal back and press into place. Next, install the bottom of the seal by creating a short turn at the bottom of the tub channel and ensuring the seal extends to the locator ridge at the bottom of the tub. Then align and gently press the seal into the channel in only a few spots. Next, close and latch the door to allow the gasket to seat properly into the channel.

**Product Specifications**

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**Pump Assembly**

The pump assembly is driven by a synchronous motor. Rotation is in the counterclockwise direction at 3600 RPM. The motor drives a pump which supplies 100 percent filtered water at a rate of approximately 12 GPM to a spray arm at a time. The spray arm's operation is alternated by small "pulses" of the motor during the wash cycle.

Draining is accomplished by using a small separate synchronous drain pump mounted to the side of the sump. The drain pump is connected to the main pump by a small rubber hose. The drain check valve is located at the discharge end of the drain pump. The drain hose is attached by a worm gear clamp to the discharge end of the drain pump. The drain hose must have a loop at a minimum height of 32 inches in order to ensure proper drainage.

The main pump can easily be removed by disconnecting the upper spray arm supply tube hose, the drain pump connector hose, the wiring harness connections made at the control motor, the water heater thermostat located on the bottom of the pump and rotating the four sump retainers toward the middle of the sump.
The water/service test is a special function initiated from the power failure mode or idle mode.

While in power failure or idle mode - simultaneously press the DRY/AIR DRY and START/CANCEL pads for 3 seconds.

The dishwasher will then step through the test cycle per the chart. Pushing the START/CANCEL pad will advance the dishwasher to the next step.