STANDARD FEATURES
- .74 gallons per rack final rinse water
- 58 racks per hour – hot water sanitizing
- 65 racks per hour – chemical sanitizing
- NSF pot and pan listed for 2-, 4- & 6- minute cycles
- Timed wash cycles for 1, 2, 4 or 6 minutes
- Solid state, integrated controls with digital status indicators
- Self-draining, high efficiency stainless steel pump and stainless steel impeller
- Stainless steel drawn tank, tank shelf, chamber, trim panels, frame and feet
- Spring counterbalanced chamber with polyethylene guides
- Revolving, interchangeable upper and lower anti-clogging wash arms
- Revolving, interchangeable upper and lower rinse arms
- Slanted, self-locating, one-piece scrap screen and basket system
- Automatic fill
- Door actuated start
- Automatic drain closure
- Vent fan control
- External booster activation
- Delime cycle
- Service diagnostics
- NAFEM Data Protocol capable
- Straight-through or corner installation
- Hot water or chemical sanitation

OPTIONS AT EXTRA COST
- Gas heat
- Sense-A-Temp™ 70°F rise electric booster heater
- Single point electrical connection for booster equipped machines (3 phase only)

ACCESSORIES
- \( \frac{3}{4} \)" pressure regulator valve
- Peg rack
- Combination rack
- Splash shield for corner installations
- Flanged and seismic feet
- End of cycle audible alarm (field activated)
- Delime notification (field activated)
- Drain water tempering kit

Specifications, Details and Dimensions on Inside and Back.
WARNING

ELECTRICAL AND GROUNDING CONNECTIONS
MUST COMPLY WITH THE APPLICABLE
PORTIONS OF THE NATIONAL ELECTRICAL
CODE AND/OR OTHER LOCAL ELECTRICAL CODES.

PLUMBING CONNECTIONS MUST COMPLY
WITH APPLICABLE SANITARY, SAFETY,
AND PLUMBING CODES.

AM SELECT
DISHWASHER – ELECTRIC

MACHINE
ELECTRICAL SPECIFICATIONS
208-240/60/1
208-240/60/3
480/60/3
* 200-240/50/3
* 380-415/50/3

* THESE ELECTRICAL SPECIFICATIONS
  ARE NOT SUBMITTED
  FOR UL OR CUL LISTING

BOOSTER
ELECTRICAL SPECIFICATIONS
208-240/60/1
208-240/60/3
480/60/3
* 200-240/50/3
* 380-415/50/3

* THESE ELECTRICAL SPECIFICATIONS
  ARE NOT SUBMITTED
  FOR UL OR CUL LISTING

LEGEND (see page 6 for further details)

E1 ELECTRICAL CONNECTION: MOTORS & CONTROLS (INCLUDING ELECTRIC HEAT), 1" OR 3/4" CONDUIT HOLE.
E2 ELECTRICAL CONNECTION: FAN FAN CONTROL (1/2" conduit hole, 20' or 220' 1.5 AMPS @ NAMEPLATE SUPPLY VOLTAGE, "ON")
E3 ELECTRICAL CONNECTION: RINSE AGENT & SANITIZER FEEDERS, 1/2" CONDUIT HOLE (120' & 220') 1.5 AMPS @ NAMEPLATE SUPPLY VOLTAGE.
E4 ELECTRICAL CONNECTION: ELECTRIC BOOSTER, (NOT AVAILABLE WITH GAS HEAT MODEL)
E5 ELECTRICAL CONNECTION: EXTERNAL BOOSTER CONTROL, 1/2" CONDUIT HOLE (OBSH & OSHR) 0.1 AMP @ 120 VAC
P1 COMMON WATER CONNECTION (NO ELECTRIC BOOSTER)
(P1FPT COMMON WATER CONNECTION - TWO ELECTRIC BOOSTER)
P2 COMMON WATER CONNECTION (NO ELECTRIC BOOSTER)
P3 DRAIN - 1 1/2" NPT
P4 DETERGENT PROBE SENSOR: REMOVE CAP AND STUD ASSEMBLY TO ACCESS 1/8" HOLE
P5 DETERGENT FEEDER: REMOVE CAP PLUG TO ACCESS 1/8" HOLE
P6 RINSE AGENT FEEDER: 1/8" NPT, REMOVE 1/8" NPT PIPE PLUG TO ACCESS TAPPED HOLE.
P7 SANITIZER FEEDER: LOW TEMP MODE 1/8" NPT, REMOVE 1/8" NPT PIPE PLUG TO ACCESS TAPPED HOLE.

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Page 3 of 8
WARNING

ELECTRICAL AND GROUNDING CONNECTIONS MUST COMPLY WITH THE APPLICABLE PORTIONS OF THE NATIONAL ELECTRICAL CODE AND/OR OTHER LOCAL ELECTRICAL CODES.

PLUMBING CONNECTIONS MUST COMPLY WITH APPLICABLE SANITARY, SAFETY, AND PLUMBING CODES.

<table>
<thead>
<tr>
<th>AM-5 WITH GAS HEAT</th>
<th>MACHINE SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELECTRIC SPEC.</td>
<td>RATED AMPS</td>
</tr>
<tr>
<td>208-240/60/1</td>
<td>15.5</td>
</tr>
<tr>
<td>208-240/60/3</td>
<td>10.3</td>
</tr>
<tr>
<td>480/60/3</td>
<td>6.3</td>
</tr>
</tbody>
</table>

E1 ELECTRICAL CONNECTION: MOTORS & CONTROLS.
1" OR 3/4" CONDUIT HOLE.

E2 ELECTRICAL CONNECTION: VENT FAN CONTROL.
1/2" CONDUIT HOLE. CFC1 & VC21 1.5 AMPS @ NAMEPLATE SUPPLY VOLTAGE, "ON" WHEN MACHINE IS ON.

E3 ELECTRICAL CONNECTION: RINSE AGENT & SANITIZER FEEDERS.
1/2" CONDUIT HOLE. EPS1 & EPS2 1.5 AMPS @ NAMEPLATE SUPPLY VOLTAGE.

E4 ELECTRICAL CONNECTION: EXTERNAL BOOSTER CONTROL.
1/2" CONDUIT HOLE. BSTR & BST2 0.75 AMPS @ 120 VAC

P1 COMMON WATER CONNECTION:
180°F WATER MIN. HOT WATER SANITIZING
120°F WATER MIN. CHEMICAL SANITIZING
3/4" FPT.

P2 GAS CONNECTION - NAT. OR L.P. (WHEN ORDERED):
1/2" FPT.

P3 DRAIN: 1-1/2" NPT.

P4 DETERGENT PROBE SENSOR: REMOVE CAP AND STUD ASSEMBLY TO ACCESS 7/8" HOLE.

P5 DETERGENT FEEDER: REMOVE CAP PLUG TO ACCESS 7/8" HOLE.

P6 RINSE AGENT FEEDER: 1/8" NPT, REMOVE 1/8" NPT PIPE PLUG TO ACCESS TAPPED HOLE.

P7 SANITIZER FEEDER: 1/8" NPT, REMOVE 1/8" NPT PIPE PLUG TO ACCESS TAPPED HOLE.
**AM SELECT DISHWASHER**

**ELECTRIC TANK HEAT**

**PLUMBING NOTES:**
- Water hammer arrester (meeting ASSE-1010 standards or equivalent) to be supplied by others in common water supply line at service connection.
- Recommended water hardness to be 4-6 grains for best results.
- Recommended building flowing water pressure to the dishwasher is 15-25 PSI. If pressures higher than 25 PSI are present, a pressure regulating valve must be supplied by others in the water line to the dishwasher.
- For convenience when cleaning, water tap should be installed near machine with heavy duty hose and squeeze valve.

**MISCELLANEOUS NOTES:**
- All dimensions taken from floor line may increase 3/4" or decrease 1/2" depending on leg adjustment.
- Net weight of machine: 274 lbs. w/o booster
- Domestic shipping weight: 364 lbs. w/o booster
- Domestic shipping weight: 364 lbs. w/booster
- Size of racks: 19-3/4" x 19-3/4"
- Drain lever located inside tank.
- Vent hood (if required) to provide a minimum 450 CFM exhaust (see installation instructions).
- Single point electrical connection available on 3 PH machines only with integrated booster heater.

**GAS TANK HEAT**

**PLUMBING NOTES:**
- Water hammer arrester (meeting ASSE-1010 standards or equivalent) to be supplied by others in common water supply line at service connection.
- Recommended water hardness to be 4-6 grains for best results.
- Recommended building flowing water pressure to the dishwasher is 15-25 PSI. If pressures higher than 25 PSI are present, a pressure regulating valve must be supplied by others in the water line to the dishwasher.
- For convenience when cleaning, water tap should be installed near machine with heavy duty hose and squeeze valve.

**MISCELLANEOUS NOTES:**
- All dimensions taken from floor line may increase 3/4" or decrease 1/2" depending on leg adjustment.
- Net weight of machine: 306 lbs.
- Domestic shipping weight: 386 lbs.
- Size of racks: 19-3/4" x 19-3/4"
- Drain lever located inside tank.
- Vent hood (if required) to provide a minimum 450 CFM exhaust (see installation instructions).

### Optional AM Select Single Point Electrical Service Connection as Shown Below

<table>
<thead>
<tr>
<th>Elec Specs</th>
<th>Rated Amps</th>
<th>Minimum Supply Conduct or Ampacity</th>
<th>Maximum Protective Device</th>
</tr>
</thead>
<tbody>
<tr>
<td>208-240/60/3</td>
<td>45.4</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>480/60/3</td>
<td>23.7</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td><em>208-240/50/3</em></td>
<td>45.4</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td><em>380-415/50/3</em></td>
<td>25.2</td>
<td>30</td>
<td>30</td>
</tr>
</tbody>
</table>

**AM Select**

<table>
<thead>
<tr>
<th>Machine Ratings (Mechanical)</th>
<th>Hot Water Sanitizing</th>
<th>Chemical Sanitizing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Racks per Hour (Max.)</td>
<td>58</td>
<td></td>
</tr>
<tr>
<td>Dishes per Hour (Average 25 per rack)</td>
<td>1,450</td>
<td>1,625</td>
</tr>
<tr>
<td>Glasses per Hour (Average 45 per rack)</td>
<td>2,610</td>
<td>2,925</td>
</tr>
<tr>
<td>Table to Table - Inside Tank at Table Connection (Inches)</td>
<td>25 1/4&quot;</td>
<td>25 1/4&quot;</td>
</tr>
<tr>
<td>Overall Dimensions - (H x W x D) (Inches)</td>
<td>66.5&quot; x 27&quot; x 28.5&quot;</td>
<td></td>
</tr>
</tbody>
</table>

| Wash Motor H.P. | 2 |
| Wash Tank Capacity - Gallons | 14 |
| Wash Pump Capacity - Gallons per Minute - Weir Test | 160 |
| Heating Equipment - (For keeping power wash water hot) Gas Burner (Regulated) Natural/LP Gas BTU/hr. | 25,000 |
| Electric Heating Unit (Regulated) | 5 kw |
| Rinse - Minutes operated during hour of capacity operation | 9.66 | 10.83 |
| Seconds of rinse per rack | 10 | 10 |
| Rate of Rinse Flow - Gallons per Minute - at 20 lbs. Flow Pressure | 4.4 | 4.4 |
| Rinse Consumption - Gallons per Hour - Maximum - at 20 lbs. Flow Pressure | 42.9 | 48.1 |
| Rinse Cycle - Gallons per Rack - at 20 PSI Flow | .74 x 180°F Min. | .74 x 140°F Min. |
| Steam Booster, if used based on 20 PSI steam - 20 PSI water flowing 130°F entering water raised to 180°F min. (50°F rise) - Lbs. per Hour | 40 | 40 |
| Peak Rate of Drain Flow - Gallons per Minute (Initial rate with full tank) | 14 | 14 |
| Exhaust Requirements | 450 |
| Shipping Weight Crated - Approx. lbs. - Unit only, with booster | 354 w/o Booster | 384 w/Booster |
**AM SELECT DISHWASHER**

PASS THRU INSTALLATION

TOP INSIDE VIEW OF MACHINE

CORNER INSTALLATION

SUGGESTED TABLE DESIGN

- **DRILL Ø .344 HOLE THRU TANK WALL**
- 5/16-18 SST TRUSS HD SCREW
- 5/16-18 SST LOCK WASHER
- 5/16-18 SST HEX HD NUT

TANK

USE SILICONE SEALER BETWEEN TABLE AND LIP OF TANK TO PREVENT LEAKAGE

A NOTCH MUST BE ADDED TO BACKSPACES 6" HIGH ON CORNER MACHINES TO PREVENT INTERFERENCE WITH DOOR MECHANISM. NOTCH MUST EXTEND 3" FROM FACE OF THE MACHINE.
The microcomputer-based control system is built into the AM Select dishwasher. It is available in standard electrical specifications of 208-240/60/1, 208-240/60/3, 480/60/3, 200-240/50/3, 380-415/50/3 and is equipped with a reduced voltage pilot circuit transformer.

*CAUTION: CERTAIN MATERIALS, INCLUDING SILVER, ALUMINUM AND PEWTER ARE ATTACKED BY SODIUM HYPOCHLORITE (LIQUID BLEACH) IN THE CHEMICAL SANITIZING DISHWASHER MODE OF OPERATION. WATER HARDNESS MUST BE CONTROLLED TO 4-6 GRAINS FOR BEST RESULTS.

CONSTRUCTION: Drawn tank, tank shelf and feet constructed of 16 gauge stainless steel. Wash chamber and front trim panel above motor compartment are polished, satin finish. Frame is 12 gauge stainless steel, chamber is 18 gauge, and removable trim panels are 20 gauge.

CHAMBER LIFT: Chamber coupled by stainless steel handle, spring counterbalanced. Chamber guided for ease of operation and long life.


MOTOR: Built for Hobart, 2 H.P., with inherent thermal protection, grease-packed ball bearings, splash-proof design, ventilated. Single-phase is capacitor-start, induction-run type. Three-phase is squirrel-cage, induction type.

MICROCOMPUTER CONTROL SYSTEM: Hobart microcomputer controls, assembled within water-resistant enclosure, provide built-in performance and reliability. The microcomputer control, relays and contactors are housed behind a stainless steel enclosure, hinged to provide easy access for servicing. The line voltage electrical components are completely wired with 105°C, 600V thermoplastic insulated wire and stranded conductors and routed through listed electrical conduit. Electrical components are wired with type ST cord. Line disconnect switch NOT furnished.

CYCLE OPERATION: The microcomputer-timing program is started by closing the doors, which actuates the door cycle switch. The microcomputer energizes the wash pump motor contactor during the wash portion of the program. After the wash, a dwell permits the upper wash manifold to drain. At the end of the dwell, the final rinse solenoid valve is energized. After the final rinse valve closes, Sanit-Dwell (Hot Water Mode only) permits sanitization to continue. The Rinse display remains on during this period, completing the program. If the microcomputer is interrupted during a cycle by the door-cycle switch, the microcomputer is reset to the beginning of the program. Hot Water Sanitizing (56 racks per hour) – 57 seconds: 38 Second Wash, 2 Second Dwell, 10 Second Rinse, 7 Second Sani-Dwell. Chemical Sanitizing (65 racks per hour) – 50 Seconds: 38 Second Wash, 2 Second Dwell, 10 Second Rinse. Other programs can be pre-selected by your Hobart service technician.

Manual wash cycle selector also provides selection of 2-, 4- or 6-minute wash cycles for heavier washing applications.

WASH: Hobart revolving stainless steel wash arms with unrestricted openings above and below provide thorough distribution of water jets to all dishwasher surfaces. Arms are easily removable for cleaning and are interchangeable. Stainless steel tubing manifold connects upper and lower spray system.

RINSE: Rotating rinse arms, both upper and lower, feature 14 rinse nozzles. The stainless steel upper and lower rinse arms are easily removable without tools for inspection and are interchangeable. Diaphragm-type rinse control solenoid valve mounted outside machine. Machine is equipped with special hot water vacuum breaker on downstream side of rinse valve – mounted 6” above uppermost rinse opening. Easy open brass line strainer furnished.

FILL: Microcomputer controlled fill valve installed on upstream side of rinse vacuum breaker. Ratio fill method is used giving the correct fill at any flowing water pressure. (20 PSIG minimum necessary for proper rinsing.)

DRAIN AND OVERFLOW: Large bell type automatic overflow and drain valve controlled from inside of machine. Drain automatically closed by lowering chamber. Drain seal is large diameter, high temperature “O” ring. Cover for overflow is integral part of the standpipe.

STRAINER SYSTEM: Equipped with large, exclusive self-flushing, easily removable perforated stainless steel, one-piece strainer and large capacity scrap basket. Submerged scrap basket minimizes frequent removal and cleaning.

HEATING EQUIPMENT: Standard tank heat is 5KW electric immersion heating element. Regulated power infrared gas immersion tube system is optional at extra cost. A solid-state igniter board controls the gas valve and provides flame ignition. A transformer steps the control circuit voltage down to 24 volts to power the ignitor board and gas valves.

Gas Heated Dishwasher: For natural gas, gas pressure (customer connection) not to exceed 7” W.C. For liquefied petroleum, gas pressure to burner (customer connection) not to exceed 7” W.C. If gas pressure is higher than 7” W.C. natural or 11” W.C. LP, a pressure regulating valve must be supplied (by others) in the gas line to the dishwasher. Water temperature regulation is controlled by thermostatic sensor in combination with microcomputer controls. The tank heat and positive low water protection microcomputer circuits are automatically activated when the main power switch is turned “on”. If tank is accidentally drained, low water protection device automatically turns heat off. Gas immersion tube is additionally protected by a high limit device mounted on the surface of the tube. These features are standard with the Hobart Microcomputer Control System.

OPTIONAL EQUIPMENT AT EXTRA COST – ELECTRIC BOOSTER HEATER: Electric booster with Sense-A-Temp™ technology adequately sized to raise 110°F inlet water to 180°F (not available on gas heat machines).

ACCESSORIES: 19⅞” x 19⅝” peg and combination dish racks. Splash shield for corner installations. End of cycle audible alarm (field activated). Delime notification (field activated). Desirable functional accessories can be furnished at added cost. See listed options and accessories on this specification sheet. Write to the factory for special requirements not listed above.

As continued product improvement is a policy of Hobart, specifications are subject to change without notice.