HOBART

Project _____

AIA # _____ SIS # _____

Item # _____ Quantity _____ C.S.I. Section 114000

COMMERCIAL DISHWASHERS

AM16VLT-ADV TALL advansys ELECTRIC

High Temperature Ventless Door-Style Dishwashing Machine



c UL us NSF ENERGY STAR

SPECIFIER STATEMENT

Specified unit will be a Hobart AM16 Tall Advansys™ electric high temperature ventless dishwashing machine. Features include drain water energy recovery, automatic soil removal, 3-sided hood, ventless operation and energy recovery, door lock, touchscreen controls with WiFi connectivity, NSF pot and pan rating for 2-, 4- & 6-minute cycles, 27" door opening, pumped drain, auto door start with auto fill, interchangeable stainless steel rinse arms and X-shaped wash arms, auto delime, advanced diagnostics and service connection, up to 36 racks per hour, .67 U.S. gallons per rack pumped final rinse.

1 year parts and labor warranty.

STANDARD FEATURES

+ .67 gallons per rack pumped final rinse
+ 36 racks per hour – hot water sanitizing
+ Drain water energy recovery (DWER)
+ Automatic soil removal (ASR)
+ Ventless energy recovery
+ Pillarless opening
+ 3-sided hood
+ User-friendly smart touchscreen controls
+ Single point electrical connection standard, field convertible to dual point connection
+ 3 phase standard, field convertible to single phase
+ WiFi connectivity
+ SmartConnect app and cloud with machine status, temperature logs, error code reporting, and cost, consumption and usage analysis
+ Temperature and chemical lock outs (with Hobart equipped chemical pumps)
+ Pumped drain
+ Door lock
+ Timed wash cycles for 1, 2, 4 or 6 minutes
+ NSF pot and pan rating for 2-, 4- & 6- minute cycles
+ Sense-A-Temp™ 70°F rise electric booster heater
+ Self-draining, high efficiency wash pump with stainless steel impeller
+ 27" door opening for 18" x 26" sheet pans or 60-quart mixing bowl
+ Stainless steel drawn tank, tank shelf, chamber, trim panels, frame and feet
+ Spring counterbalanced chamber with UHMW guides
+ X- shaped revolving, interchangeable upper and lower anticlogging wash arms
+ Revolving, interchangeable upper and lower rinse arms
+ Slanted, self-locating, one-piece scrap screen and basket system
+ Automatic fill
+ Door actuated start
+ AutoClean
+ Drain water tempering kit
+ Factory startup
+ Service diagnostics
+ Straight-through or corner installation
+ Auto delime
+ Sheet pan rack

OPTIONS & ACCESSORIES (Available at extra cost)

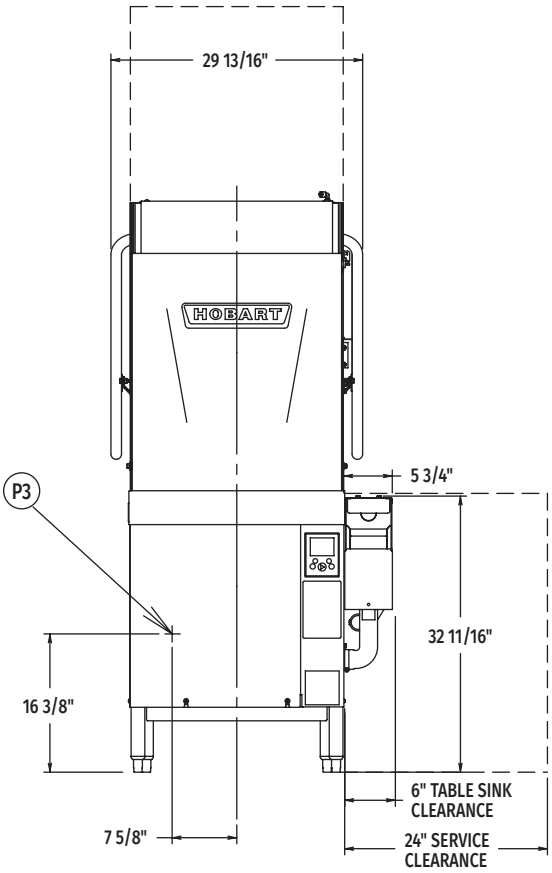
❑ Peg rack
❑ Combination rack
❑ ASR left-hand conversion kit
❑ Chemical pumps
❑ Splash shield for corner installations
❑ Flanged and seismic feet
❑ Water hammer arrestor kit
❑ Rapid fill kit
❑ Sink integration kit
  + Sink saddle & 3" leg extension
  + Sink rail kit
  + Fold down table

AM16 SERIES – AM16VLT-ADV TALL advansys ELECTRIC

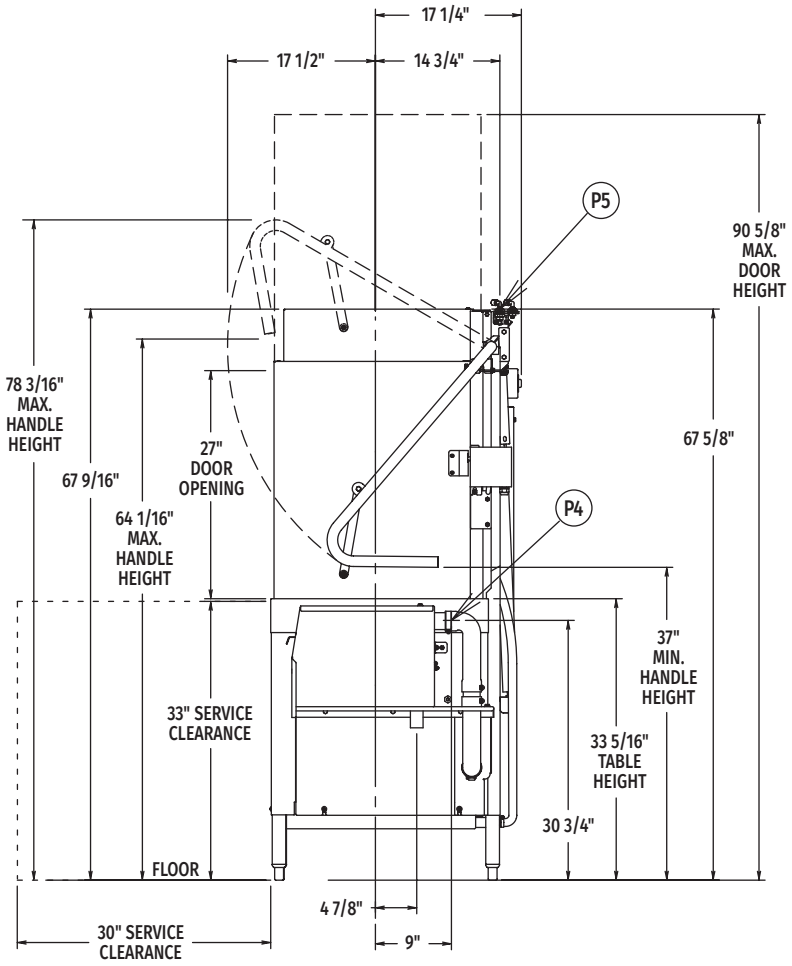
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AM16VLT-ADV TALL advansys ELECTRIC

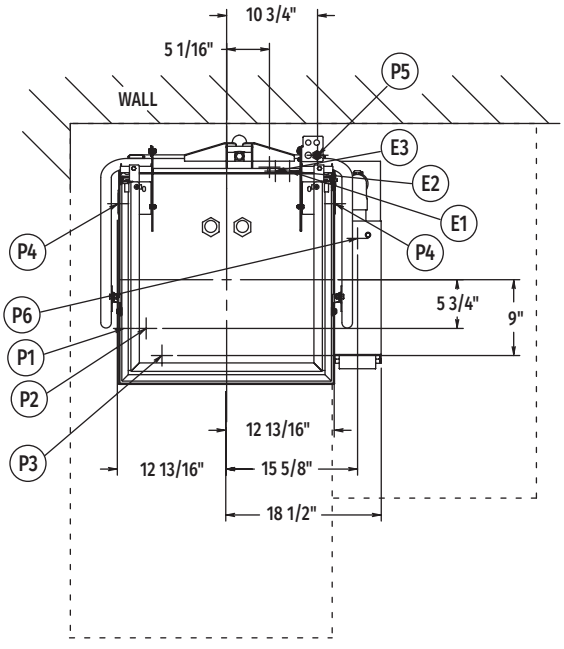
High Temperature Ventless Door-Style Dishwashing Machine



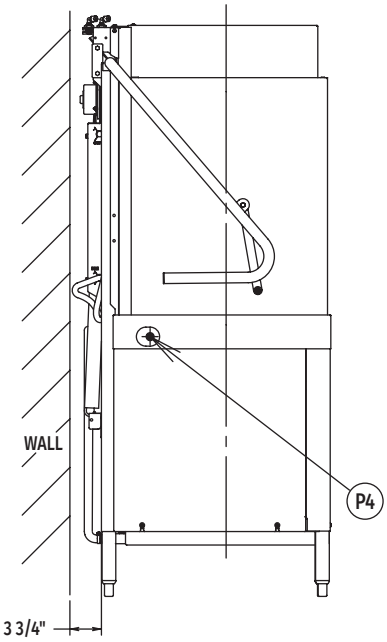
Front View



Right Side View



Top View



Left Side View

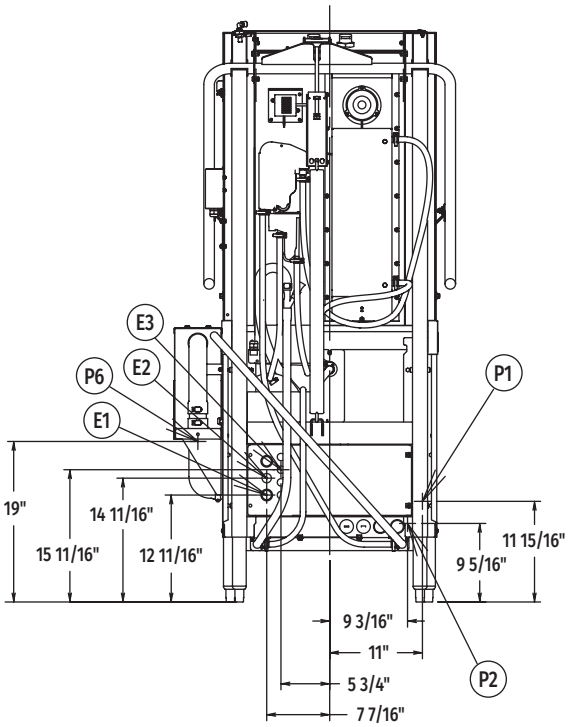
MODEL:
AM16VLT-ADV
E-950440

CAD and/or Revit Files Available

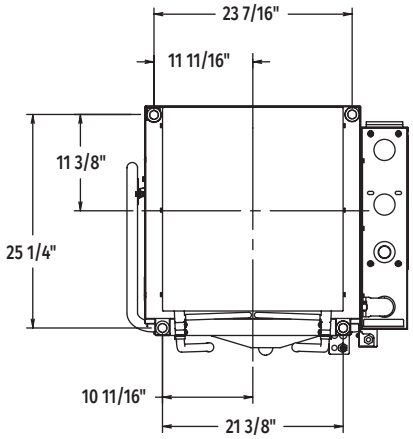
AM16VLT-ADV TALL advansys ELECTRIC

High Temperature Ventless Door-Style Dishwashing Machine

WARNING: Plumbing and electrical connections should be made by qualified personnel who will observe all the applicable plumbing, sanitary, safety codes and National Electrical Code.



Rear View



Bottom View

LEGEND

Electrical Connections	
E1	Electrical connection: wash pump motor & sump heater, 1" or 3/4" conduit hole; 12-11/16" AFF.
E2	Electrical connection: electric booster & controls only or single point electrical connection (3PH only), 1" or 3/4" conduit hole; 14-11/16" AFF.
E3	Electrical connection: detergent & rinse agent feeders, (DPS1 & DPS2) 1.5 amps @ nameplate supply voltage, (RPS1 & RPS2) 1.5 amps @ nameplate supply voltage; 1/2" conduit hole, 15-11/16" AFF.
Plumbing Connections	
P1	Common water connection including booster heater: 55°F water minimum; 15-65 psi recommended; 3/4" female garden hose fitting on 6' long hose supplied with machine; 11-15/16" AFF.
P2	Optional – hot water connection: 110°F water minimum (rapid fill accessory - when ordered); 3/4" female garden hose fitting on 6' long hose 9-5/16" AFF.
P3	Detergent probe sensor: remove cap and stud assembly to access 7/8" hole; 16-3/8" AFF.
P4	Detergent feeder: two locations available. Remove cap and stud assembly to access 7/8" hole; 30-3/4" AFF.
P5	Rinse agent feeder: remove 1/8" NPT pipe plug to access 1/8" NPT tapped hole; 67-5/8" AFF.
P6	Drain connection: includes machine drain & drain water tempering (LH ASR accessory drain location on opposite side), 1-1/2" stainless steel tube fitting 19" AFF.

SPECIFICATIONS

Capacities

Racks Per Hour (maximum) 36
Dishes per Hour (average 25 per rack) 950
Glasses per Hour (average 45 per rack) 1,710
Wash Tank (U.S. gallons) 10.5

Motor Horsepower

Rinse Pump 0.18
Wash Pump 2
ASR Pump 0.18
Drain Pump 0.21
Blower 0.05

Rinse

Gallons per Rack 0.67
Gallons per Hour (maximum consumption) 24.12

Peak Rate of Drain Flow

Gallons per Minute (initial rate with full tank) 18.5

Heating

Electric Booster (kW) 7.1
Electric Heating Unit (kW) 5.4

Shipping Weight (approximate) . . . . . 427 lbs.
Crated Dimensions . . . . . 73.75"H x 36.5"W x 36.5"L

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E1	AM16 with Electric Heat (When Field Converted to Dual Point)		
Voltage	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Protective Device
208-240/60/1	39.6	50	50
208-240/60/3	26.9	30	30
480/60/3	10.5	15	15

E2	9.5 kW Booster & Controls (When Field Converted to Dual Point)		
Voltage	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Protective Device
208-240/60/1	43.5	50	50
208-240/60/3	26.8	30	30
480/60/3	13.5	15	15

E2	AM16 Single Point Electrical Service Connection as Shown Below		
Voltage	Rated Amps	Minimum Supply Circuit Ampacity	Maximum Protective Device
208-240/60/3	53.7	60	60
480/60/3	24.0	30	30

Approximate Heat Gain to Space without Vent Hood	
Type	BTU/Hr.
Latent	5,100
Sensible	5,300

Miscellaneous Notes: All dimensions taken from floor line may increase 7/8" or decrease 3/8" depending on leg adjustment.

Vent hood (if required) to provide a minimum 450 CFM exhaust (ref installation instructions).

Net weight of machine including booster: 410 lbs.
Domestic shipping weight including booster: 430 lbs.

Size of racks – 19-3/4" x 19-3/4".

For optimal performance, Hobart recommends maintaining a dishroom temperature of 65°F (18°C) or higher, as lower temperatures may hinder the machine's capacity to operate effectively (with lower performance as ambient temperature decreases).

Plumbing Notes: Water hammer arrestor (meeting ASSE-1010 standard or equivalent) to be supplied (by others) in common water supply line at service connection.

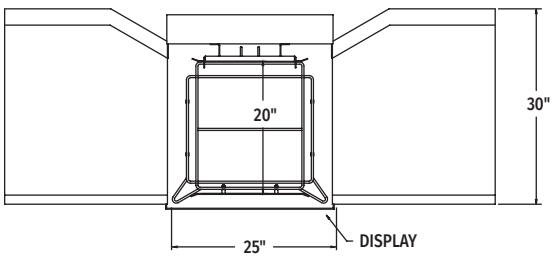
Recommended water hardness to be 3 grains or less for best results.

Recommended building flowing water pressure to the dishwasher at or above 20 PSI. Pressures lower than 20 PSI may affect machine fill/start-up times.

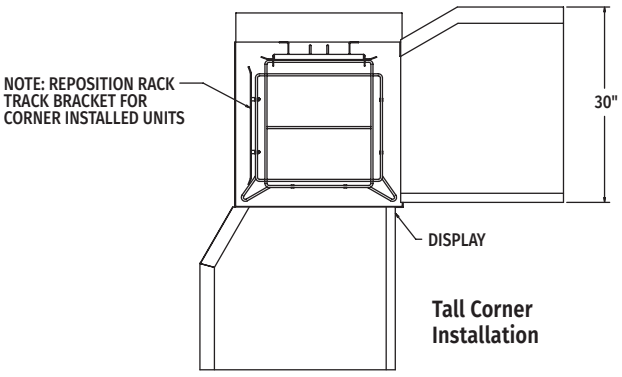
This is a pumped rinse machine. Pressure regulating valve is not necessary on hot or cold lines.

For convenience when cleaning, water tap should be installed near machine with heavy duty hose and squeeze valve.

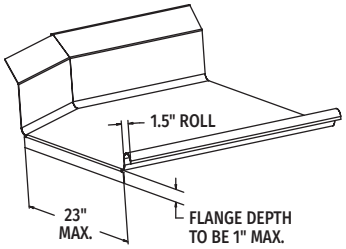
AM16VLT-ADV TABLING CONFIGURATIONS AND TRACK DESIGN



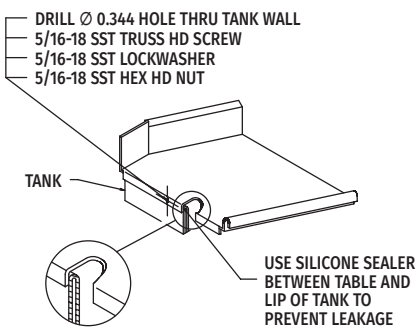
Pass Thru Installation



Tall Corner Installation



Suggested Table Design



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

HOBART • 701 S Ridge Avenue, Troy, OH 45373 • 1-888-4HOBART • www.hobartcorp.com
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