HOBART

Project _____

AIA # _____ SIS # _____

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

COMMERCIAL DISHWASHERS

AM16VLT-BAS
TALL BASE ELECTRIC
High Temperature Ventless Door-Style Dishwashing Machine



SPECIFIER STATEMENT

Specified unit will be a Hobart AM16 Tall Base electric high temperature ventless dishwashing machine. Features include 3-sided pillarless hood, ventless operation & 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, delime cycle, advanced diagnostics and service connection, up to 40 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
+ 40 racks per hour – hot water sanitizing
+ Ventless energy recovery
+ User-friendly smart touchscreen controls
+ WiFi connectivity
+ SmartConnect app and cloud with machine status, temperature logs, error code reporting, and cost, consumption and usage analysis
+ Two stage filtration
+ Pillarless opening
+ 3-sided hood
+ Single point electrical connection standard, field convertible to dual point connection
+ 3 phase standard, field convertible to single phase
+ 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
+ Factory startup
+ Service diagnostics
+ Straight-through or corner installation
+ Delime cycle with notification (field activated)
+ Sheet pan rack

OPTIONS & ACCESSORIES (Available at extra cost)

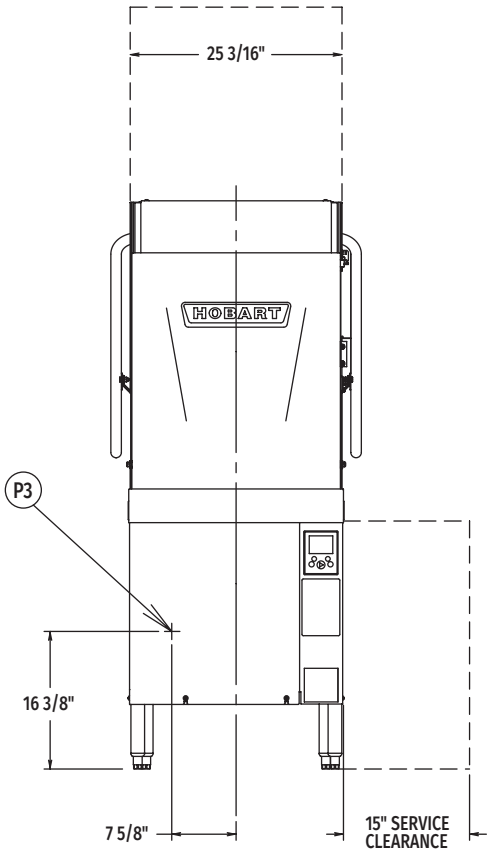
❑ Peg rack
❑ Combination rack
❑ Chemical pumps
❑ Splash shield for corner installations
❑ Flanged and seismic feet
❑ Water hammer arrestor kit
❑ Rapid fill kit
❑ Sink integration kit
  + Sink saddle & 3" leg extension
  + Sink rail kit
  + Fold down table
❑ Drain water tempering kit

AM16 SERIES – AM16VLT-BAS TALL BASE ELECTRIC

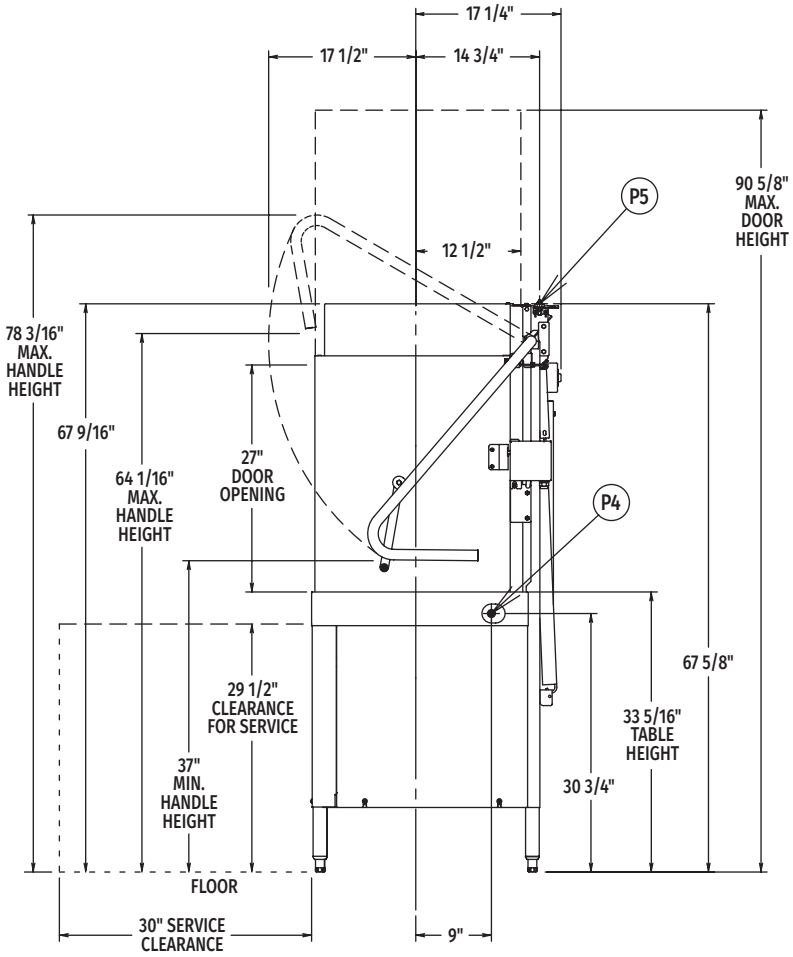
Approved by_____ Date_____ Approved by_____ Date_____

AM16VLT-BAS TALL BASE ELECTRIC

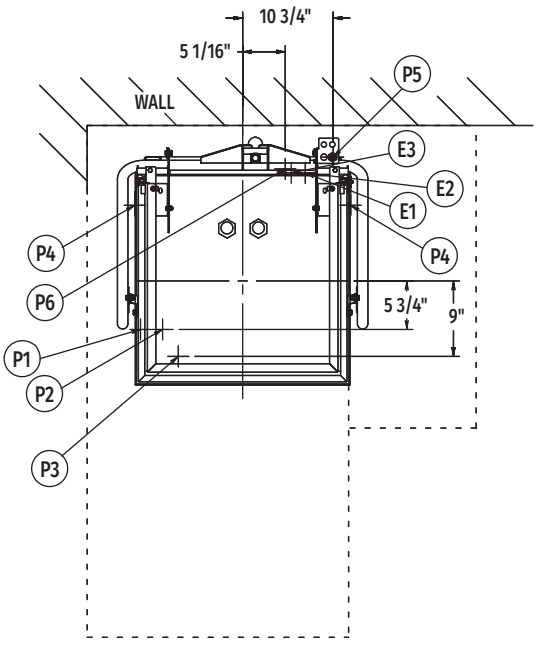
High Temperature Ventless Door-Style Dishwashing Machine



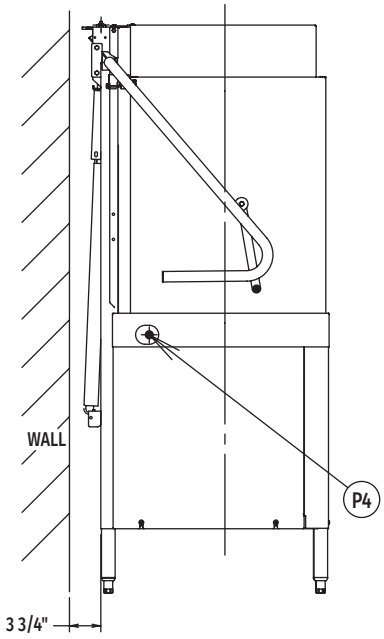
Front View



Right Side View



Top View



Left Side View

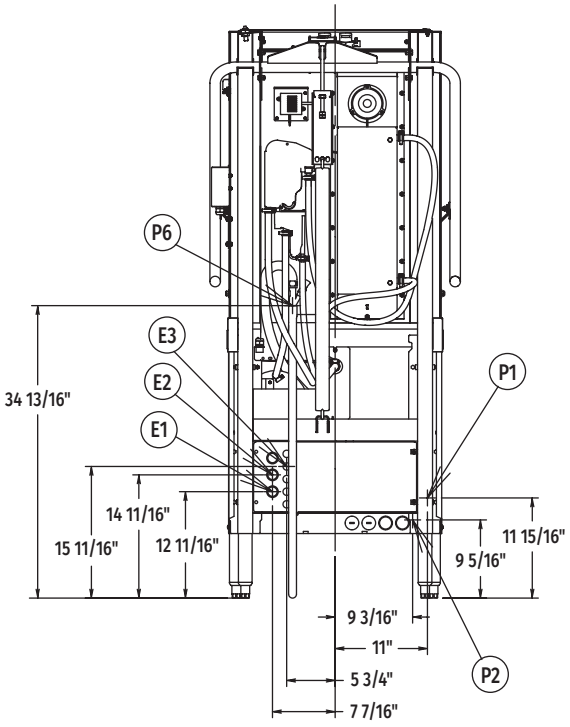
MODEL:
AM16VLT-BAS
E-950440

CAD and/or Revit Files Available

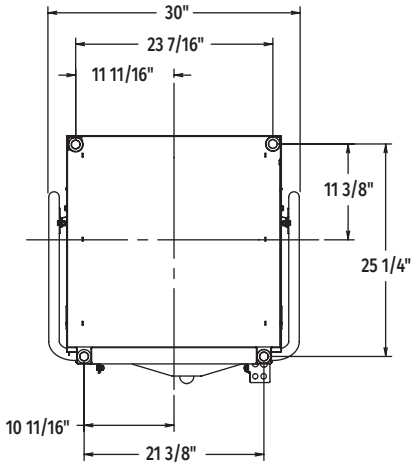
AM16VLT-BAS TALL BASE ELECTRIC

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

Miscellaneous Note: 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).

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".
P2	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: 5/8" barb fitting with 6' long hose supplied with machine; 34-13/16" AFF. Maximum height 40" AFF.

SPECIFICATIONS

Capacities

- Racks Per Hour (maximum) 40
- Dishes per Hour (average 25 per rack) 1,000
- Glasses per Hour (average 45 per rack) 1,800
- Wash Tank (U.S. gallons) 10.5

Motor Horsepower

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

Rinse

- Gallons per Rack 0.67
- Gallons per Hour (maximum consumption) 26.8

Peak Rate of Drain Flow (without drain water tempering)

- Gallons per Minute (initial rate with full tank) 14.5

Heating

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

Shipping Weight (approximate) . . . . . 372 lbs.

Crated Dimensions . . . . . 73.75"H x 36.5"W x 36.5"L

AM16VLT-BAS TALL BASE ELECTRIC

High Temperature Ventless Door-Style Dishwashing Machine

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 Ampacity Ratings (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	6,800
Sensible	5,000

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: 355 lbs.
Domestic shipping weight including booster: 372 lbs.

Size of racks – 19-3/4" x 19-3/4".

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.

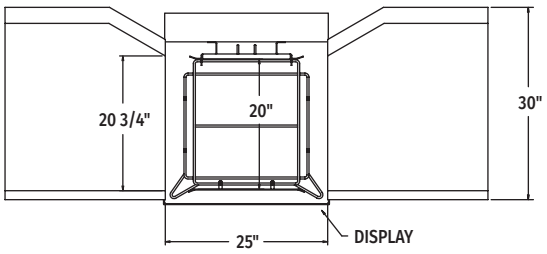
Note: Electric heating unit & booster (kW) calculated at 208V.

Recommended building flowing water pressure to the dishwasher at or above 15-65 PSI. Pressures lower than 15 PSI may affect machine fill/start-up times.

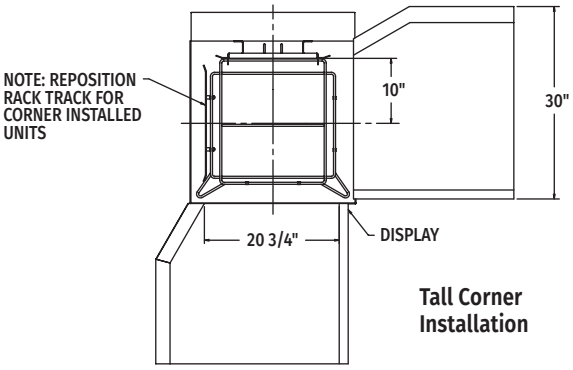
This is a pumped rinse machine. Pressure regulating valve is not necessary on hot or cold lines.

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

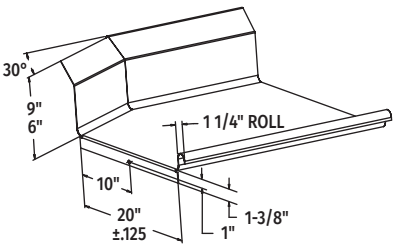
AM16VLT-BAS TABLING CONFIGURATIONS AND TRACK DESIGN



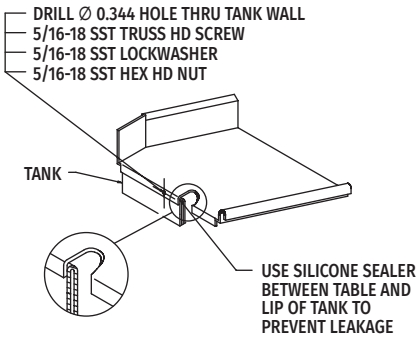
Pass Thru Installation



Tall Corner Installation



Suggested Table Design



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