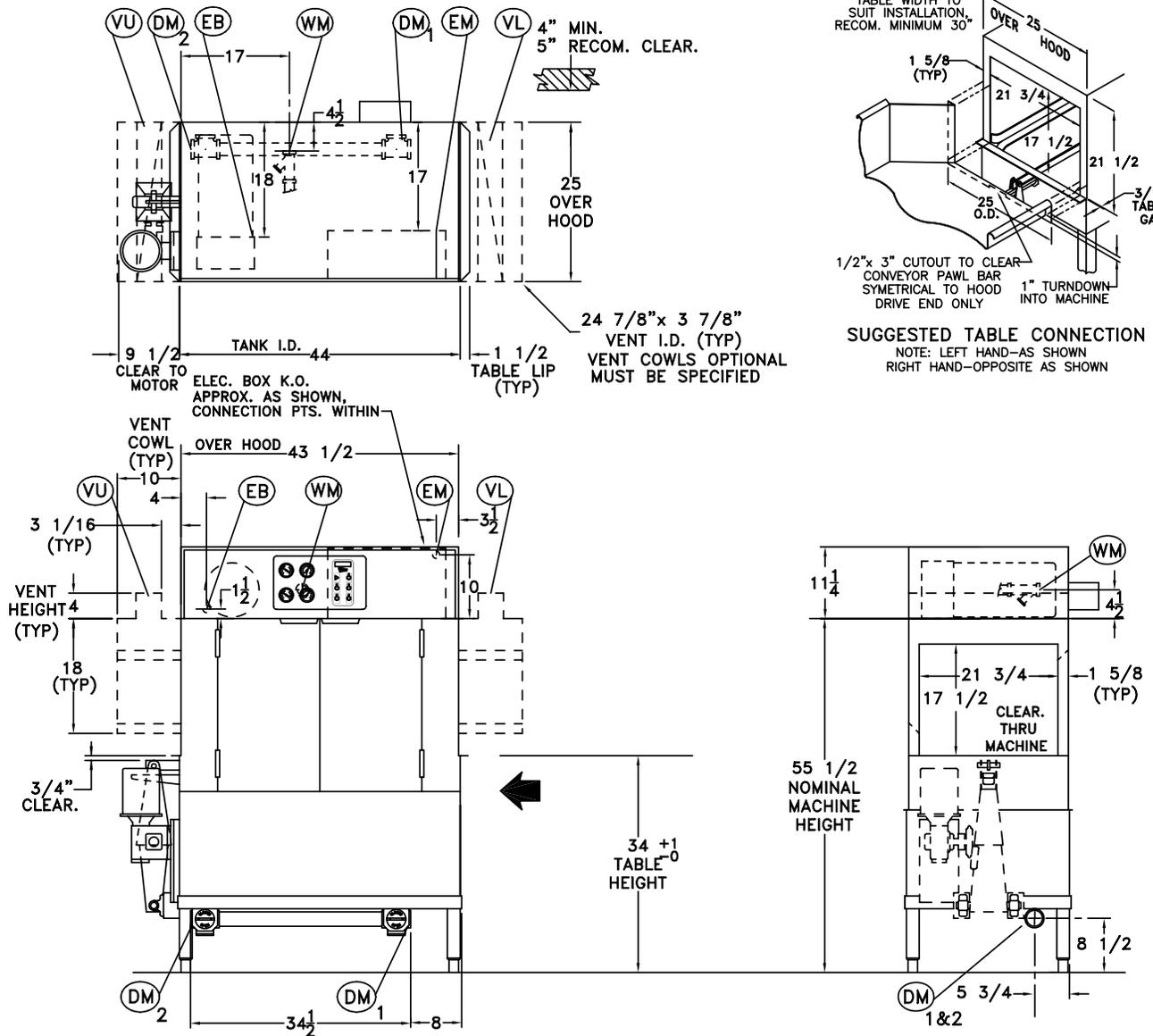


ELECTRIC TANK HEAT

CONNECTION POINTS		
DM	2" NPT (F)	DRAIN, MACHINE WASTE:
WM	3/4" NPT (F)	WATER SUPPLY: 140° MIN. TANK FILL WITH FINAL RINSE CONSUMPTION = 121 GALS./HR.
EB	ELECTRICAL REQ.	1. ELECTRIC BOOSTER - - - 15KW BREAKER OR DISCONNECT FOR BOOSTER BY OTHERS TOTAL LOAD ● 208V-3PH = 41.7 AMPS TOTAL LOAD ● 480V-3PH = 18.1 AMPS
EM	ELECTRICAL REQ.	1. WASH PUMP MOTOR - - - 2HP 2. AUX. RINSE PUMP MOTOR - - 1/3HP 3. CONVEYOR MOTOR - - - 1/4HP 5. WASH TANK HEAT - - - 10 KW 6. AUX. RINSE TANK HEAT - - 5 KW TOTAL LOAD ● 208V-3PH = 50.8 AMPS TOTAL LOAD ● 480V-3PH = 23.4 AMPS
VL	NOTED	VENT, LOAD END: RECOM. MIN. DRAW = 200 CFM
VU	NOTED	VENT, UNLOAD END: RECOM. MIN. DRAW = 400 CFM



ER-44 GEN II R-L

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Item #: _____

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STERO ER-44 GEN II CONVEYOR SERIES



Unit depicted with all available options

ER-44 GEN II

STERO'S Single-Tank **ER-44 GEN II EcoRinse Series** Rack Conveyors are high capacity, low water consuming, high temperature final rinse conveyors. The EcoRinse system incorporates recirculated high pressure primary rinse followed by secondary line pressure fresh water final rinse for low water consumption and high heat retention. The EcoRinse machine produces 232 racks per hour using only 118 gallons per hour of final rinse water, or only ½ a gallon of water per rack.

ER-44 GEN II: Standard configuration includes touch pad controls.

Optional features include insulated, cabinet style doors, and top mounted integrated booster heater.

Energy Star® qualified.

Energy Star® qualified conveyor machine.

STANDARD FEATURES

Design: Single tank 20" rack conveyor warewasher, 44" in length with a power wash and a final sanitizing rinse. Flexible strip curtains at each end control water and heat. Two large inspection doors allow easy access to interior of machine for cleaning and maintenance.

Construction: Tank and hood are formed from 300 series No. 4 mill finish stainless steel. Fully welded with a minimum of bolt together construction. Frame is heavy-duty stainless steel flat stock construction conforming to NSF Standard No. 3. Machine is supported by enclosed stainless steel feet. All internal piping, fittings, risers and manifolds are stainless steel.

Power Wash: STERO's unique stainless steel manifolds are center-fed, fitted with stricture free jets with directional vanes and can be easily removed without tools. Center-fed manifolds distribute an even flow of wash water over the entire perimeter of the rack, ensuring consistent results. A 2 HP, 1750 rpm motor and pump distribute 300 GPM of detergent water. Power wash has extended stainless steel shafts with packless ceramic seals. The pump has easily removable inspection plates—front and end—and is self-draining. Stainless steel perforated strainer pans cover the tanks.

Automatic Fill: Fills the machine at the push of a button and keeps it full during operation. In the event of low water in the tank, the system will automatically re-fill to the proper level.

Automatic Start: Rack activated switch starts conveyor and pumps eliminating the need for a manual start.

Automatic Shut Down: Shuts down machine operation during idle periods.

Stainless Steel Front Enclosure Panel: Protects motors and controls from moisture.

RACK CONVEYOR

ER-44 GEN II CONVEYOR SERIES: 20" RACK CONVEYOR WASHER

STANDARD EQUIPMENT FEATURES	BENEFIT
Full perimeter frame	Long machine life
Auto fill	Proper water fill level at start up and during ongoing operation
Auto start	First rack starts machine operation, push button activation not required
Center fed manifolds	Even distribution of wash water for uniform and consistent results
Touch pad controls	LCD display, rack counter, mandated wash water change, self diagnostic fault condition indicator
OPTIONAL EQUIPMENT FEATURES	BENEFIT
Mounted circuit breakers	Individual circuit protection for motors and tank heat
Table limit switch	Easy operation of machine with a single worker
Insulated cabinet style doors	Ease of access, heat retention, noise reduction
Top mounted integrated booster	Fully operational system, frees floor space for storage

STANDARD FEATURES *Continued*

Kit 55: STERO mounts a ¾" pressure reducing valve, shock-arrestor and flow pressure gauge in the final rinse line prior to the rinse solenoid valve.

The shock-arrestor prevents line hammer and will double the life of the valve. The PRV will allow adjustment of the final rinse pressure and the gauge will give visual proof when it is correct.

Common Drain: STERO connects overflow and drain valves so that one drain rough-in will service the entire machine.

Motors: 2 HP, 1750 rpm, 300 GPM, heavy duty with sealed bearings and overload protection.

Final Rinse: Stainless rinse arms mounted above and below are fitted with directional fanjets that create a full coverage spray pattern for maximum rinsing and sanitation. The rack activates STERO's final rinse switch and hot water solenoid valve with stainless steel seat. A vacuum breaker mounted downstream from the solenoid and 6" above the upper rinse complete STERO's rinse system. A ¼ HP auxiliary rinse pump recirculates 165 degree water prior to line pressure feed.

Thermometers: One each for the wash and final rinse.

Conveyor: A center-drive, stainless steel pawl bar with stainless steel pawls conveys the racks through the spray pattern and out onto the clean dish table. The conveyor is powered by an integral ¼ HP motor and speed reducing drive that has a built-in release to prevent damage to racks or machine in the event of a rack jam. The racks ride on 12 gauge stainless steel tracks.

Standard Electrical Features: All motors on STERO conveyor machines are factory wired in waterproof conduit and fittings to a common connection point. The motors are protected by thermal-overloads with manual reset buttons. The magnetic motor starters, start-stop switches, and electric tank heating element contactors (when specified) are mounted in a stainless steel control box.

Standard Electrical Specifications Available: 208/240-60-3, 460/480-60-3.

Door Safety Switch: Prevents the machine from operating if the door is open. The machine will automatically shut-off if the door is opened while the warewasher is running.

Drain Valves: STERO designed poppet-type drain valve, stainless steel seats and casting assures leak proof and trouble free life. Externally controlled with spring-loaded shafts to prevent damage. The finest in the industry.

REQUIRED TANK HEATING

NSF requires that water in all power wash tanks be maintained at specific temperatures. STERO offers three types of heating equipment to meet this standard. Please specify which option best suits your job conditions.

The Tank Heating options are:

Electric: Two 5 kW stainless steel elements (10 kW total) are mounted in the bottom of the tank. The units are thermostatically controlled and have STERO's low water protection system. The elements, thermostat, LWP, and contactor are all inter-wired to the control panel.

Steam Injectors: Two stainless steel injectors with silencers are mounted in the tank. A thermostat controls a solenoid valve, and maintains the correct temperature.

Steam Coils: STERO designed and built stainless steel steam coils are mounted in the tank. Steam coils allow the condensed steam to be returned to the steam generator, a decided advantage when there is a question of purity of steam. A thermostat controls a steam solenoid valve and maintains the correct temperature. A steam trap is mounted on the steam return line.

AVAILABLE OPTIONS

Vent Cows: 10" wide x 25" deep with extended splash guards front and rear. 3 7/8" x 24 7/8" I.D. vent opening centered on the 10" length.

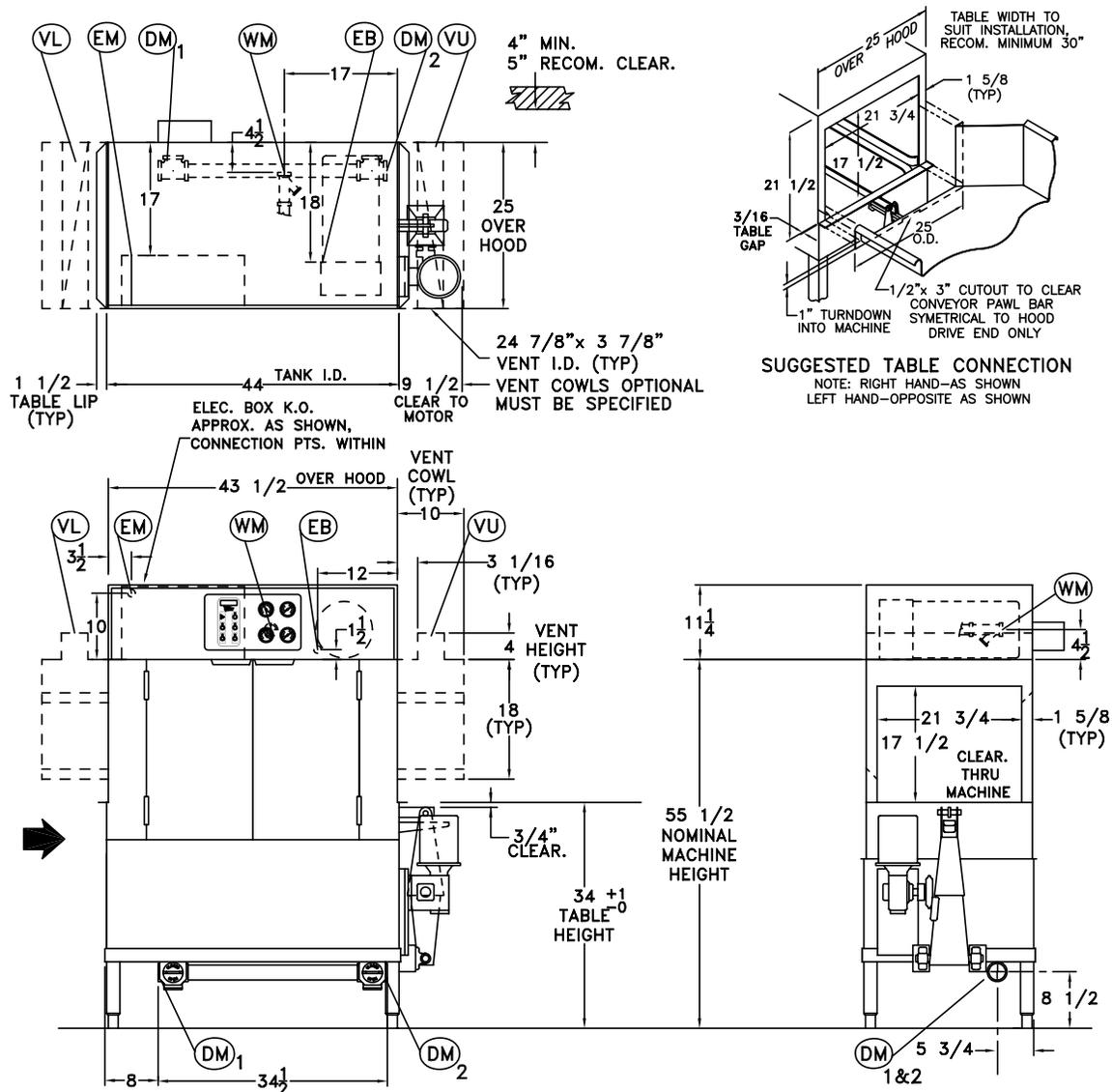
Sideloader: RAC-27 allows loading of the racks at a right angle to the conveyor, permitting dedicated clean and soiled sides of the room, increased length RAC-32 will accept sheet pans.

Table Limit Switch: Mounted on a clean dish table. The switch shuts off the conveyor when engaged by a rack. This allows single person operation of machine until racks fill unload table.



ELECTRIC TANK HEAT

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VL	NOTED	VENT, LOAD END: RECOM. MIN. DRAW = 200 CFM
VU	NOTED	VENT, UNLOAD END: RECOM. MIN. DRAW = 400 CFM



ER-44 GEN II L-R

