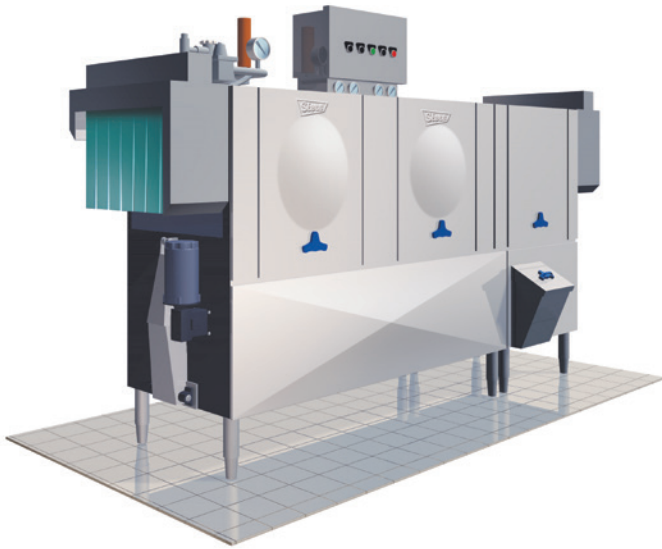




# STERO SCT-120S/SC

## RACK CONVEYOR SERIES



The **STERO SCT-120S/SC** will process over 8,400 dishes per hour. It starts with the same wash and rinse system as the SCT-76 only in a 88" base for more separation allowing a conveyor speed of 13 feet per minute. Add a unique 32" scrapper to create the SCT-120S/SC. This scrapper features a 28 jet sprayer manifold located above and below the ware to create STERO's most powerful scrapping system, replacing the need of a manual pre-rinsing operation and lowering detergent costs. The SCT-120S/SC process features a power scrapper, heated recirculating wash and rinse tanks equipped with a 28 jet sprayer manifold top and bottom located in each tank, followed by a fresh water rinse in a 120" footprint. Rinsing and sanitizing is controlled by STERO's exclusive rack activated final rinse which provides accurate, trouble free cleaning.

The **STERO SCT-120S/SC** can be engineered in a straight line or with an optional corner loading scrapper.

### STANDARD FEATURES

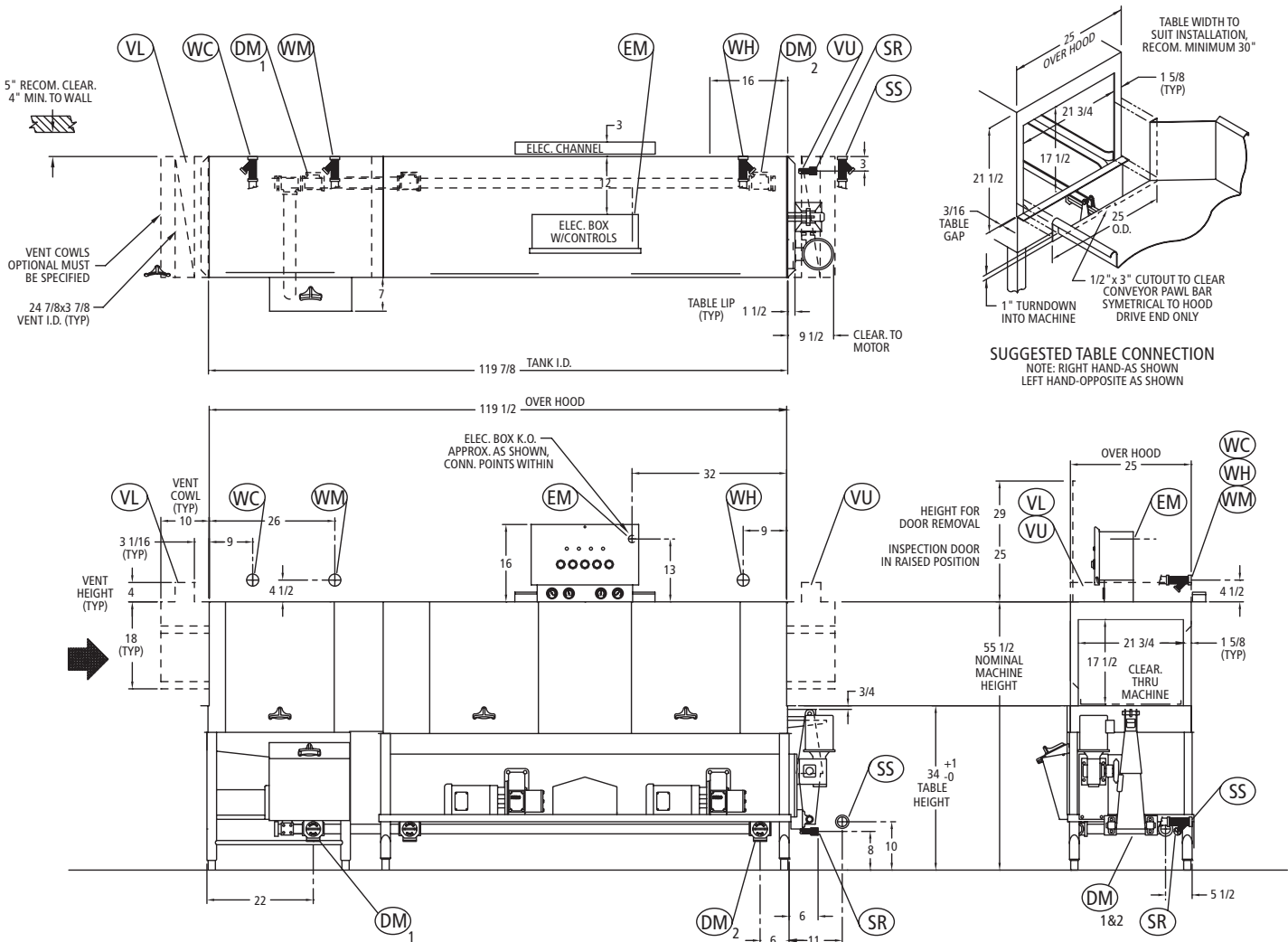
- 468 racks per hour
- Rinse 5.3 gpm / .68 gallons per rack
- Automatic fill maintains proper tank levels
- Automatic start, rack activated switch starts conveyor and pumps
- Automatic shut down stops operation during idle periods
- 2 HP wash and rinse motor each recirculating 225 gpm
- Single point drain connection
- 2 large inspection doors
- Center-fed wash and rinse manifolds
- Stainless steel front enclosure panel protects motors and controls from moisture
- Door safety switches prevents operation if door is open
- Stainless steel drain valves and poppets, foot activated
- Kit 55, includes prv, shock arrestor and pressure gauge in final rinse line
- Bell-type stainless steel skimmer acts as overflow and removes fats and oils from the wash tank

### OPTIONS & ACCESSORIES

- Right to Left / Left to Right Operation
- Corner Loading Scrapper
- Vent Cowls
- Rinse Booster Electric or Steam
- Circuit Breakers
- Optional Cabinet-Style Doors
- Automatic Dwell Conveyor
- Table Limit Switch
- Correctional Package
- Voltage
  - 208V 220V 480V 60cy 3ph
- International options available, consult factory

# STERO SCT-120S/SC

## RACK CONVEYOR SERIES



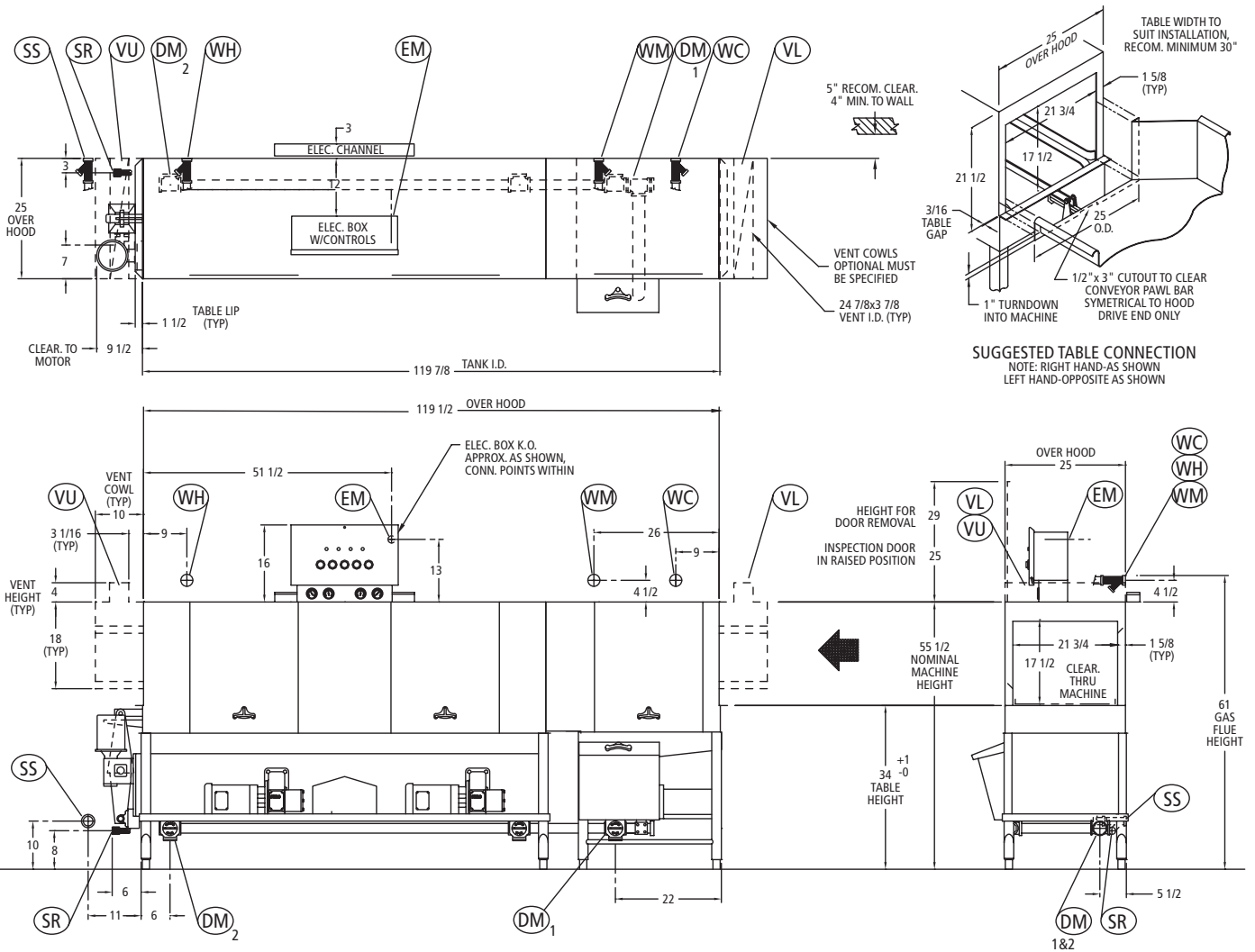
ELECTRIC TANK HEAT		
PTS.	SIZE	DESCRIPTION
<b>DM</b>	2" NPT (F) DRAIN	MACHINE WASTE:
<b>WC</b>	3/4" NPT (F)	WATER SUPPLY: COLD AS AVAILABLE
<b>WM</b>	3/4" NPT (F)	WATER SUPPLY: 140° MIN. TANK FILL
<b>WH</b>	3/4" NPT (F)	WATER SUPPLY: 180°F. MIN. @ 20 PSI FLOW PRES. CONSUMPTION = 318 GALS./HR.
<b>EM</b>	ELECTRICAL REQ.	1. SCRAPPER PUMP MOTOR ...2 HP 2. WASH PUMP MOTOR .....2 HP 3. RINSE PUMP MOTOR.....2 KW 4. CONVEYOR MOTOR.....1/4 KW 5. WASH TANK HEAT .....10 KW 6. RINSE TANK HEAT .....20 KW  TOTAL LOAD @ 208V-3PH = 104 AMPS TOTAL LOAD @ 480V-3PH = 46.9 AMPS SINGLE POINT CONNECTIONS REQUIRE MOUNTED CIRCUIT BREAKERS. MULTIPLE FEEDERS REQUIRED OTHERWISE
<b>VL</b>	NOTED	VENT, LOAD END: RECOM. MIN. DRAW = 200 CFM
<b>VU</b>	NOTED	VENT, UNLOAD END: RECOM. MIN. DRAW = 400 CFM

STEAM TANK HEAT		
PTS.	SIZE	DESCRIPTION
<b>DM</b>	2" NPT (F) DRAIN	MACHINE WASTE:
<b>WC</b>	3/4" NPT (F)	WATER SUPPLY: COLD AS AVAILABLE
<b>WM</b>	3/4" NPT (F)	WATER SUPPLY: 140° MIN. TANK FILL
<b>WH</b>	3/4" NPT (F)	WATER SUPPLY: 180°F. MIN. @ 20 PSI FLOW PRES. CONSUMPTION = 318 GALS./HR.
<b>SS</b>	1 1/4" NPT (F)	STEAM SUPPLY: 15-40 PSI CONSUMPTION @ 20 PSI TANK HEAT: 150 LBS./HR.
<b>SR</b>	3/4" NPT (F)	STEAM RETURN:
<b>EM</b>	ELECTRICAL REQ.	ONE (1) FEEDER SIZED FOR: 1. SCRAPPER PUMP MOTOR ...2 HP 2. WASH PUMP MOTOR .....2 HP 3. RINSE PUMP MOTOR.....2 HP 4. CONVEYOR MOTOR.....1/4 HP  TOTAL LOAD @ 208V-3 PH = 20.6 AMPS TOTAL LOAD @ 480V-3 PH = 10.8 AMPS
<b>VL</b>	NOTED	VENT, LOAD END: RECOM. MIN. DRAW = 200 CFM
<b>VU</b>	NOTED	VENT, UNLOAD END: RECOM. MIN. DRAW = 400 CFM

SCT-120S L-R



# STERO SCT-120S/SC RACK CONVEYOR SERIES



ELECTRIC TANK HEAT		
PTS.	SIZE	DESCRIPTION
DM	2" NPT (F) DRAIN	MACHINE WASTE:
WC	3/4" NPT (F)	WATER SUPPLY: COLD AS AVAILABLE
WM	3/4" NPT (F)	WATER SUPPLY: 140° MIN. TANK FILL
WH	3/4" NPT (F)	WATER SUPPLY: 180°F. MIN. @ 20 PSI FLOW PRES. CONSUMPTION = 318 GALS./HR.
EM	ELECTRICAL REQ.	1. SCRAPPY PUMP MOTOR ...2 HP 2. WASH PUMP MOTOR .....2 HP 3. RINSE PUMP MOTOR.....2 KW 4. CONVEYOR MOTOR.....1/4 KW 5. WASH TANK HEAT .....10 KW 6. RINSE TANK HEAT .....20 KW  TOTAL LOAD @ 208V-3PH = 104 AMPS TOTAL LOAD @ 480V-3PH = 46.9 AMPS SINGLE POINT CONNECTIONS REQUIRE MOUNTED CIRCUIT BREAKERS. MULTIPLE FEEDERS REQUIRED OTHERWISE
VL	NOTED	VENT, LOAD END: RECOM. MIN. DRAW = 200 CFM
VU	NOTED	VENT, UNLOAD END: RECOM. MIN. DRAW = 400 CFM

STEAM TANK HEAT		
PTS.	SIZE	DESCRIPTION
DM	2" NPT (F) DRAIN	MACHINE WASTE:
WC	3/4" NPT (F)	WATER SUPPLY: COLD AS AVAILABLE
WM	3/4" NPT (F)	WATER SUPPLY: 140° MIN. TANK FILL
WH	3/4" NPT (F)	WATER SUPPLY: 180°F. MIN. @ 20 PSI FLOW PRES. CONSUMPTION = 318 GALS./HR.
SS	1 1/4" NPT (F)	STEAM SUPPLY: 15-40 PSI CONSUMPTION @ 20 PSI TANK HEAT: 150 LBS./HR.
SR	3/4" NPT (F)	STEAM RETURN:
EM	ELECTRICAL REQ.	ONE (1) FEEDER SIZED FOR: 1. SCRAPPY PUMP MOTOR ...2 HP 2. WASH PUMP MOTOR .....2 HP 3. RINSE PUMP MOTOR.....2 HP 4. CONVEYOR MOTOR.....1/4 HP  TOTAL LOAD @ 208V-3 PH = 20.6 AMPS TOTAL LOAD @ 480V-3 PH = 10.8 AMPS
VL	NOTED	VENT, LOAD END: RECOM. MIN. DRAW = 200 CFM
VU	NOTED	VENT, UNLOAD END: RECOM. MIN. DRAW = 400 CFM

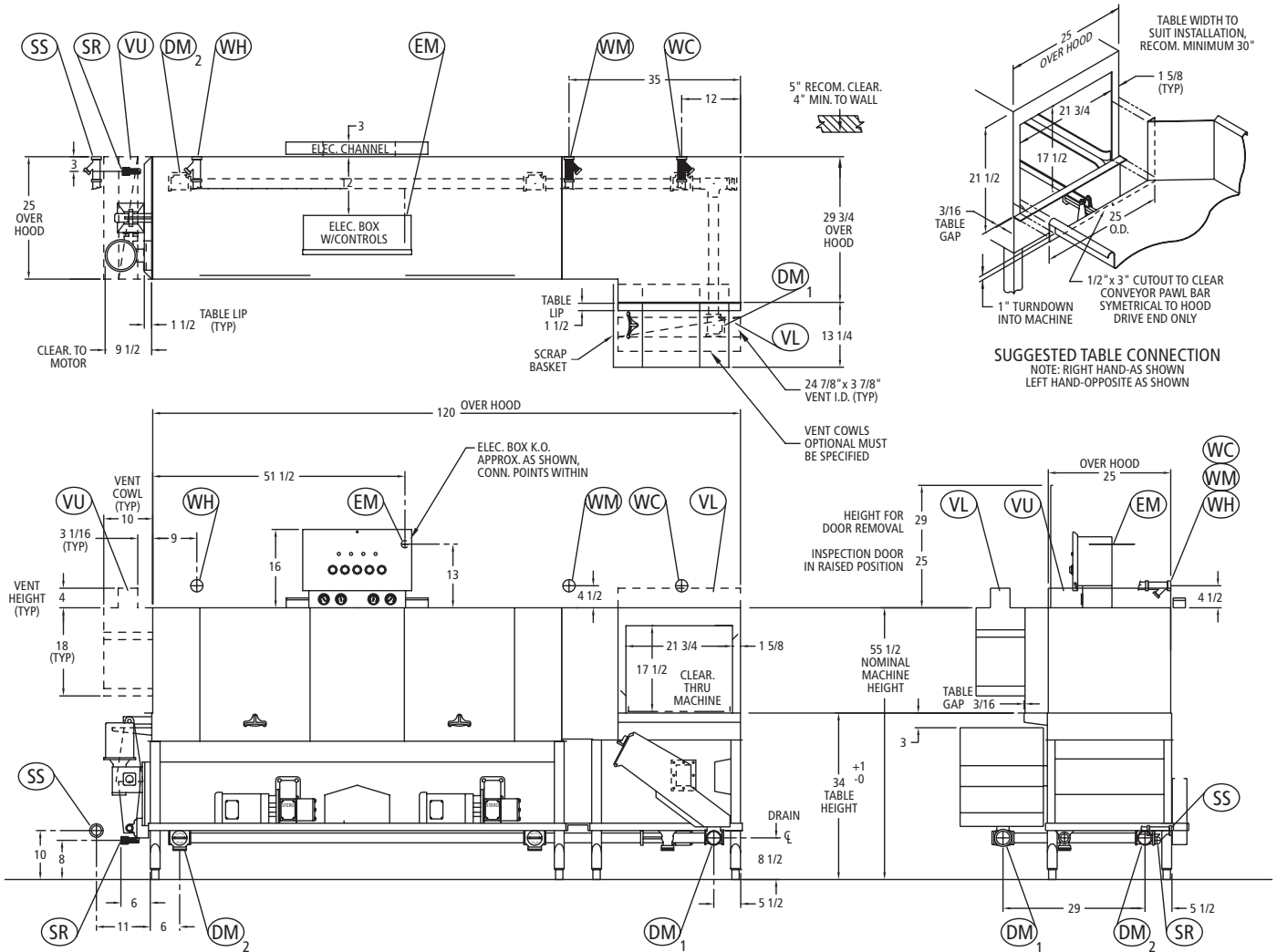
## SCT-120S R-L





# STERO SCT-120S/SC

## RACK CONVEYOR SERIES



ELECTRIC TANK HEAT		
PTS.	SIZE	DESCRIPTION
DM	2" NPT (F) DRAIN	MACHINE WASTE:
WC	3/4" NPT (F)	WATER SUPPLY: COLD AS AVAILABLE
WM	3/4" NPT (F)	WATER SUPPLY: 140° MIN. TANK FILL
WH	3/4" NPT (F)	WATER SUPPLY: 180°F. MIN. @ 20 PSI FLOW PRES. CONSUMPTION = 318 GALS./HR.
EM	ELECTRICAL REQ.	1. SCRAPPY PUMP MOTOR ... 1 HP 2. WASH PUMP MOTOR ..... 2 HP 3. RINSE PUMP MOTOR..... 2 KW 4. CONVEYOR MOTOR..... 1/4 KW 5. WASH TANK HEAT ..... 10 KW 6. RINSE TANK HEAT ..... 20 KW TOTAL LOAD @ 208V-3PH = 101.3 AMPS TOTAL LOAD @ 480V-3PH = 45.6 AMPS SINGLE POINT CONNECTIONS REQUIRE MOUNTED CIRCUIT BREAKERS. MULTIPLE FEEDERS REQUIRED OTHERWISE
VL	NOTED	VENT, LOAD END: RECOM. MIN. DRAW = 200 CFM
VU	NOTED	VENT, UNLOAD END: RECOM. MIN. DRAW = 400 CFM

STEAM TANK HEAT		
PTS.	SIZE	DESCRIPTION
DM	2" NPT (F) DRAIN	MACHINE WASTE:
WC	3/4" NPT (F)	WATER SUPPLY: COLD AS AVAILABLE
WM	3/4" NPT (F)	WATER SUPPLY: 140° MIN. TANK FILL
WH	3/4" NPT (F)	WATER SUPPLY: 180°F. MIN. @ 20 PSI FLOW PRES. CONSUMPTION = 318 GALS./HR.
SS	1 1/4" NPT (F)	STEAM SUPPLY: 15-40 PSI CONSUMPTION @ 20 PSI TANK HEAT: 150 LBS./HR.
SR	3/4" NPT (F)	STEAM RETURN:
EM	ELECTRICAL REQ.	ONE (1) FEEDER SIZED FOR: 1. SCRAPPY PUMP MOTOR ... 1 HP 2. WASH PUMP MOTOR ..... 2 HP 3. RINSE PUMP MOTOR..... 2 HP 4. CONVEYOR MOTOR..... 1/4 HP TOTAL LOAD @ 208V-3 PH = 17.9 AMPS TOTAL LOAD @ 480V-3 PH = 9.5 AMPS
VL	NOTED	VENT, LOAD END: RECOM. MIN. DRAW = 200 CFM
VU	NOTED	VENT, UNLOAD END: RECOM. MIN. DRAW = 400 CFM

SCT-120SC R-L

STANDARD 208V/230V/480V-3PH-60HZ. AVAILABLE CONTACT FACTORY FOR 1PH. & 50HZ. APPLICATIONS

# STERO SCT-120S/SC

## RACK CONVEYOR SERIES



**Design:** Three tank 20" Rack Conveyor, 120" in length with a power scrapper, power wash, power rinse and a sanitizing final rinse. Flexible strip curtains at each end separate the washing, rinsing and final rinse. Two large inspection doors allow easy access to interior of machine. All components are easily accessible 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 National Sanitation Foundation (NSF) Standard No. 3. The machine is supported by enclosed stainless steel feet. All internal piping, fittings, risers and manifolds are stainless steel.

**Power Scrapper:** The STERO engineered scrapping pattern utilizes fixed upper and lower stainless manifolds, fitted with large stricture free jets which effectively strip the food soil from all types of ware as it passes through the spray pattern. The food soil drops onto flat perforated stainless steel screens that cover the tank. The screens are held in an inclined position which coupled with the pump action, automatically moves the food soil to a scrap catchment mounted outside the tank.

**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. The SCT-120 distributes 225 GPM of detergent water pumped over the ware by a 2 HP motor and pump assembly.

**Power Rinse:** Center-fed manifolds fitted with stricture free jets with directional vanes and can be easily removed without tools. An even distribution of rinse water fully covers the rack, ensuring consistent results. The SCT-120 distributes 225 GPM of rinse water pumped over the ware by a 2 HP motor and pump assembly.

**Final Rinse:** Stainless rinse arms mounted above and below are fitted with directional fanjets, which 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.

**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 which 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 for one point connection.

**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 washer is running.

**Pumps & Motors:** 2 HP, 1750 rpm, 225 GPM, heavy duty with sealed bearings and overload protection. The pumps have easily removable inspection plates—front and end—and are self draining. Stainless steel perforated strainer pans cover the tank.

### TANK HEATING OPTIONS

**Electric:** Two 5 kW stainless steel elements (10 kW total) are mounted in the bottom of the wash tank. Four 5 kW stainless steel elements (20 kW total) are mounted in the bottom of the rinse tank. The units are thermostatically controlled and have STERO's low water protection system. The elements, thermostat, LWP and contactor are all interwired to the control panel.

**Steam Injectors:** Two stainless steel injectors with silencers are mounted in the tanks. A thermostat controls a special 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 condensed steam to be returned to the steam generator, a decided advantage when there is a question of steam purity. A thermostat controls a special steam solenoid valve and maintains the correct temperature. A steam trap is mounted on the steam return line.

*In line with its policy to continually improve its products, Stero reserves the right to change materials and specifications without notice.*