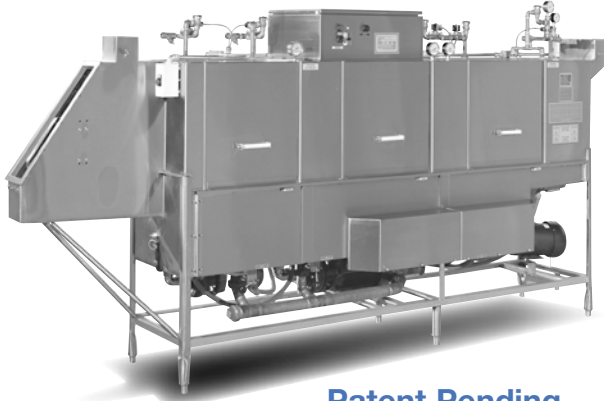


## TRAC 878 AUTOMATIC TRIPLE TANK TRAY WASHER

### DESIGN

Automatic conveyor triple tank tray washer with recirculating prewash, wash, and rinse and final fresh water rinse. Capacity is up to 878 trays per hour (based on a 15" tray). Designed for left or right hand conveyor feed, as specified.



Patent Pending

### STANDARD EQUIPMENT

- Tank heat: 16 KW (total) electric immersion heaters or steam injectors
- Capillary thermometers for prewash, wash and rinse tanks
- In-line thermometer for final rinse
- Vacuum breakers on all incoming water lines
- Manifold cleanout brush
- Inspection doors.
- S/S frame, legs, and feet
- S/S front enclosure panel
- SureFire™ Start-Up and Check-Out Service
- Automatic tank fill
- Vents with adjustable dampers
- Low water protection
- Detergent connection provision
- Single point electrical connection for motors, controls, and tank heaters
- Top mounted NEMA 4X control enclosure
- Simplified scrap screen design
- Door safety switches
- Standard frame TEFC motors
- Tray unload table

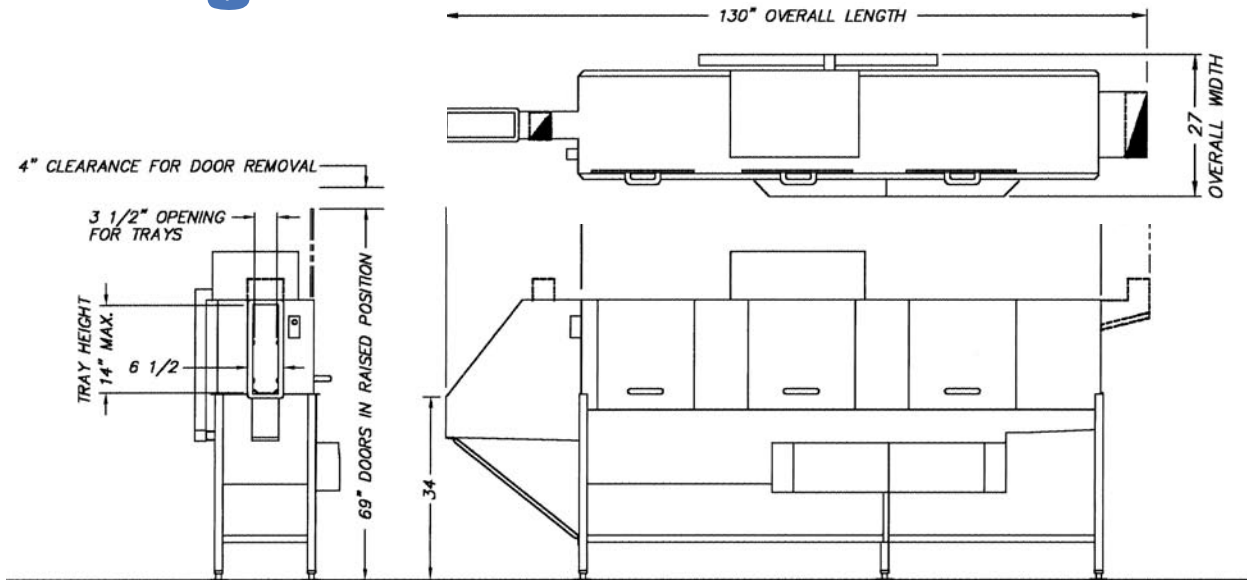
### OPTIONAL ACCESSORY EQUIPMENT

- Stainless steel coil tank heat
- Electric booster
- Pressure reduction valve and line strainer
- Security package
- Steam booster
- Insulated hood and doors
- Tray Dryer



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Note: For all rough in connections see Installation and Layout Detail Drawing.

## SPECIFICATIONS

**CONSTRUCTION** - Hood and tank constructed of 16 gauge type 304 S/S. Hood all welded seamless construction. S/S frame, legs and feet. All internal castings are non-corrosive lead free nickel alloy, bronze or S/S investment.

**DOORS** - Three large die formed type 304 S/S front inspection doors riding in all S/S channels. No plastic sleeves or liners used. Two intermediate S/S safety stops on each door.

**CONVEYOR** - One S/S roller conveyor chain with tray cradles. Width between guide rails is factory adjustable from 1.5" to 3.5". Conveyor accommodates trays up to 14" high. Conveyor drive system includes variable speed gear motor with frictionless, trouble-free overload system. Trays conveyed automatically through washing and rinsing sections.

**PUMPS** - Centrifugal "packless" pump with brass petcock drain. Ceramic seal and balanced cast impeller on a precision ground stainless steel shaft, extension or sleeve. All rotating parts mounted and removed as an assembly without disturbing pump housing. 1/2 hp prewash motor, 3 hp wash motor, and 2 hp rinse motor, all standard TEFC C-face frame, with ball bearing construction.

**CONTROLS** - Top mounted NEMA 4X control enclosure, with thermal insulation between hood and enclosure, housing motor controls with overload protection, transformer, contactors and all traywasher integral controls. All controls safe low voltage 24 VAC.

**SPRAY SYSTEM** - All spray systems made of type 304 S/S pipe. Prewash, wash, and rinse assemblies removable without use of tools.

**PREWASH** - Two vertical spray arms (one on each side of conveyor), each with 5 V-jet nozzles

**WASH and RINSE** - Four spray arms threaded into S/S manifold (2 on each side of conveyor). Each arm designed with 8 high pressure spray slots. Slots are precision milled for water control and produce a fan spray.

**FINAL RINSE** - Two vertical spray arms (one on each side of conveyor), each with 6 V-jet nozzles. Arms enclosed in shrouded final rinse chamber to maximize heat transfer to trays.

**DRAIN** - Drain valves externally controlled. Overflow assemblies with skimmer caps are removable without the use of tools for drain line inspection. Heaters protected by low water level control.

**UNLOAD TABLE** - S/S tray unload table receives clean trays. Table constructed with guide rails to ease trays onto table.

Capacity per hour	Tank capacity	Motor size	Electric usage	Steam consumption at 20 psi min.	Final rinse peak flow at 20 psi min.	
878 trays	11.2 gal. prewash 15.3 gal. wash 11.5 gal. rinse	1/2 hp (prewash) 3 hp (wash) 2 hp (rinse) 1/8 hp (conveyor)	8 kw wash tank 8 kw rinse tank 24 kw booster 40° rise 36 kw booster 70° rise	58 lbs/hr tanks 70 lbs/hr booster 40° rise 122 lbs/hr booster 70° rise	3.28 gals./min.	
Final rinse consumption at 20 psi min.	Exhaust requirements	Peak rate drain flow	Shipping weight	Current draw amps	Steam	Electric
197 gals./hr.	50 CFM Load 550 CFM Unload	23 gals./min.	1100 lbs.	208/3/60 ..... 22.9	240/3/60 ..... 20.8	67.3 59.2 37.0 29.5
				380/3/60 ..... 12.6		
				480/3/60 ..... 10.3		