DISHWASHER

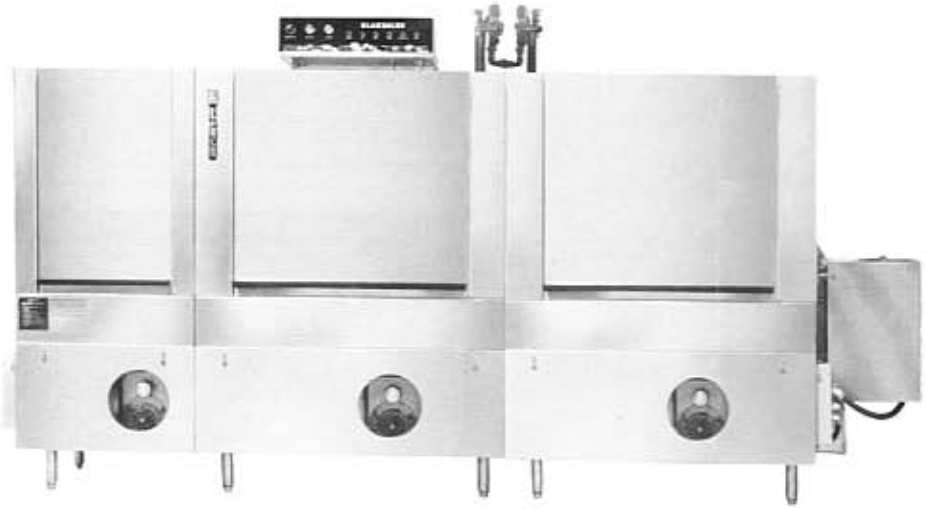
RACK TYPE—Two Tank with Pre-Wash

R-PCC-88, R-PEE-96, R-PLL-104, R-PMM-124

BLAKESLEE

I.R.S. INTEGRATED RECIRCULATING SYSTEM DESIGN

- **Built-In All Stainless Steel Pumps**
- **Conveyor Drive With Built-In Safety Switch**
- **Unique Stainless Steel Sani-Stream Spray Box System**
- **Special Blakeslee Design Drain-Standpipe**
- **Slide-Out Scrap Trays**
- **Large Cleanout Doors**
- **Low Boy Design**



DESIGN: Dishwasher shall be a two tank conveyor with a 24" *610 mm* long pre-wash, with removable curtains at entrance and exit ends and between pre-wash, wash, and rinse sections. Tank bottom of dishwasher shall be 17" *430 mm* above floor to permit easy and thorough cleaning of inside of tank through large inspection and cleanout doors. Design of dishwasher shall be modular so that additional tank or tanks can be added should future demands necessitate a larger machine, moving the machine to a different location, or changing the machine from a rack conveyor model to a Flight Type or Flight-A-Round type of operation.

DIMENSIONS: Dishwasher shall be *23 5/8" 600 mm* wide and 57½" *1460 mm* high. Length of machine will vary by model.

☐ R-PCC-88	88" *2236 mm* long
☐ R-PEE-96	96" *2439 mm* long
☐ R-PLL-104	104" *2642 mm* long
☐ R-PMM-124	124" *3150 mm* long
☐ R-	

CONSTRUCTION: Tank and hood shall be constructed of Type 304 stainless steel with welded steel base, stainless steel legs and adjustable feet.

PUMPS: Pumps shall be self-draining, packless seal type with stainless steel pump impellers. Pump capacity shall be 120 gallons *360 l* per minute for the pre-wash pump, 215 gallons *817 l* per minute for the wash pump, and 215 gallons *817 l* per minute for the rinse tank.

MOTORS: Pre-wash pump motor shall be 1/2 H.P., wash and rinse pump motors shall be 2 H.P. each, and conveyor motor shall be 1/4 H.P. All motors shall be standard NEMA frame and U.L. listed.

ELECTRIC CONTROL PANEL: Each motor shall have a separate U.L. listed magnetic starter with overload and low voltage protection all interwired to a machine mounted control panel for just one common electrical connection to the machine.

CONVEYOR: Conveyor tracks, dual pawl drive, pawls, shall all be stainless steel. Conveyor drive shall be designed to withstand any possible "jam" without damage to conveyor mechanism. Standard conveyor speed as follows:

☐ R-PCC-88	6.6 ft/min.	*2.0 M/min.*
☐ R-PEE-96	6.6 ft/min.	*2.0 M/min.*
☐ R-PLL-104	8.5 ft/min.	*2.6 M/min.*
☐ R-PMM-124	8.5 ft/min.	*2.6 M/min.*
☐ R-		

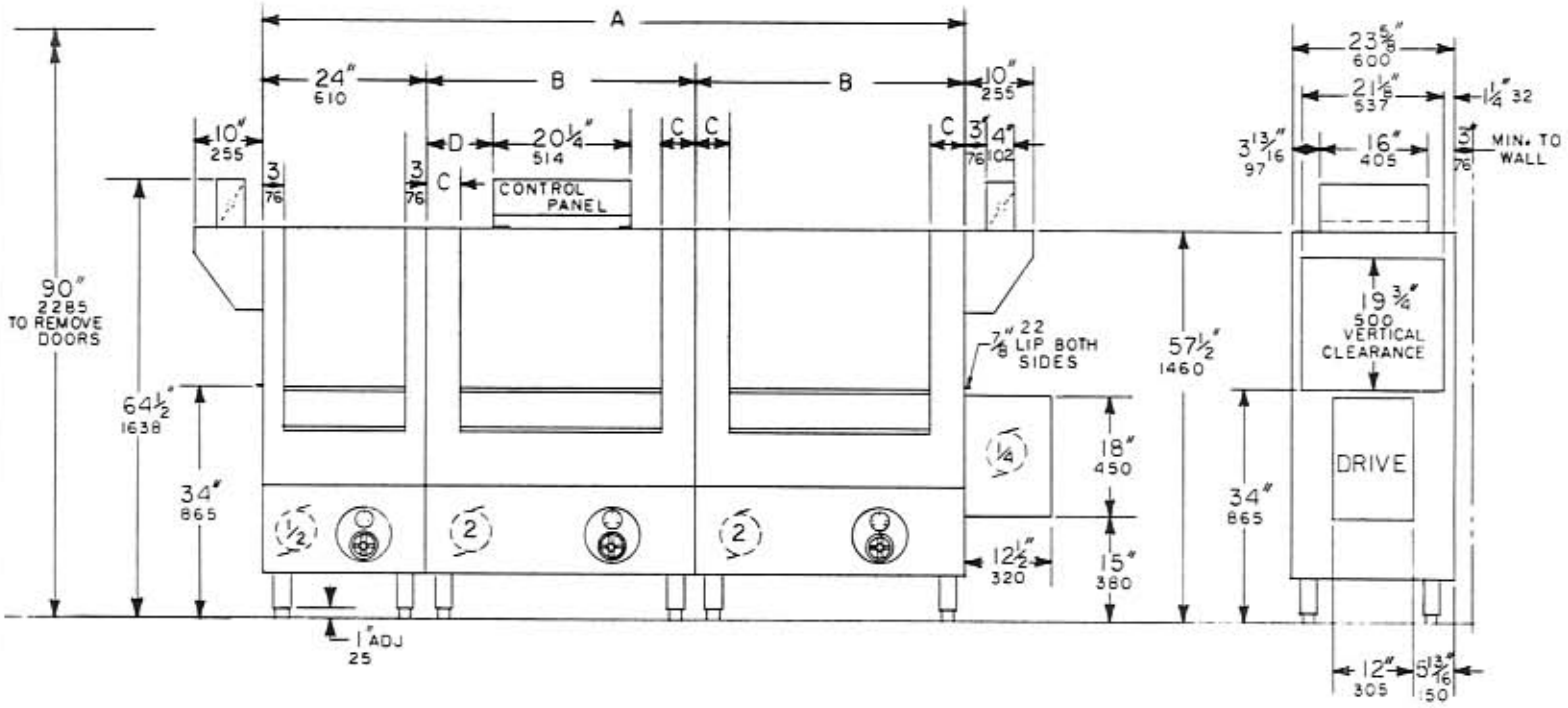
PRE-WASH, WASH AND RINSE: The capacity of the pre-wash tank shall be 15.3 gallons *58 l.* Capacity of the wash and rinse tanks shall be as follows per tank:

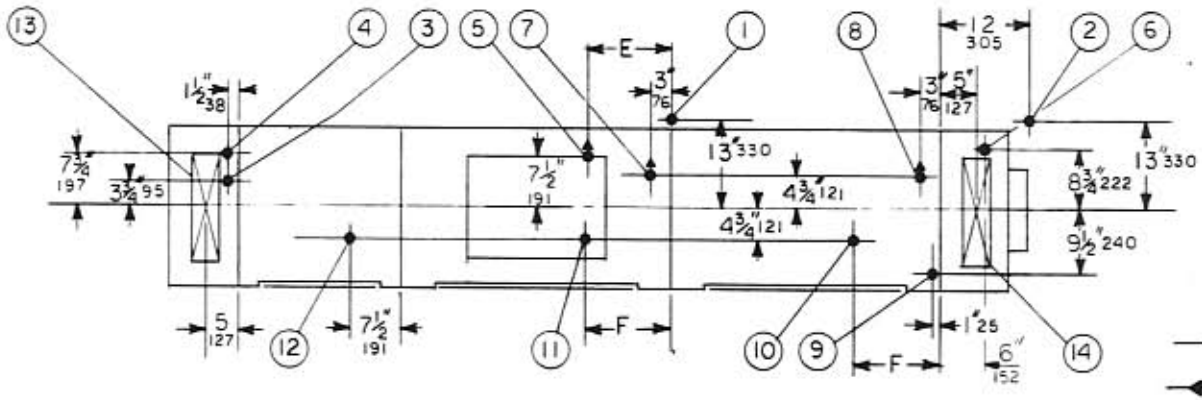
☐ R-PCC-88	19.2 gallons *73 l*
☐ R-PEE-96	21.6 gallons *82 l*
☐ R-PLL-104	23.6 gallons *89 l*
☐ R-PMM-124	28.5 gallons *108 l*
☐ R-	

Wash and rinse water shall be pumped over the dishes through upper and lower spray boxes with large unrestricted fixed directional spray nozzles. Openings of the nozzles in the upper and lower stainless steel spray boxes are 1-1/8" *28 mm x 1/4" 6 mm.* Spray boxes shall be easily removable for periodic cleaning. Pre-wash, wash, and rinse tanks shall be covered with removable stainless steel scrap trays with 5/32" *4 mm* perforations to prevent clogging of the openings in spray nozzles.

FINAL RINSE: Final rinse shall be sprayed evenly across the conveyor from nozzles above and below at a rate of 4.8 gallons *18 l* per minute at 20 p.s.i. *138 kPa* in conformance with National Sanitation Foundation standards. Final rinse shall be automatically turned on and off by means of racks tripping a lever operated microswitch and hot water solenoid valve with a vacuum breaker and line strainer to comply with all existing plumbing codes and shall bear the American Society of Sanitary Engineering Plumbing Testing Laboratory seal of approval.

Specify Blakeslee



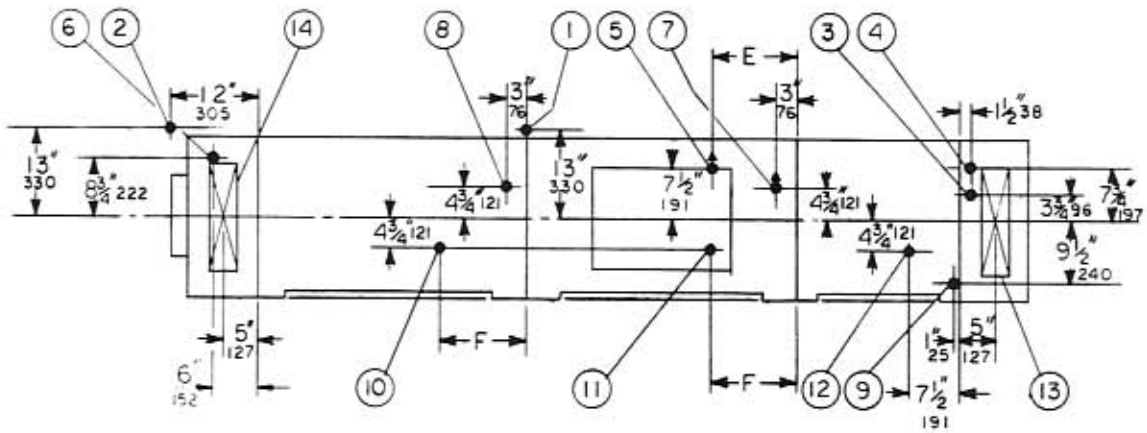


LEFT TO RIGHT

FITTING POINTED DOWN

DIRECTION OF FITTING

HORSE POWER



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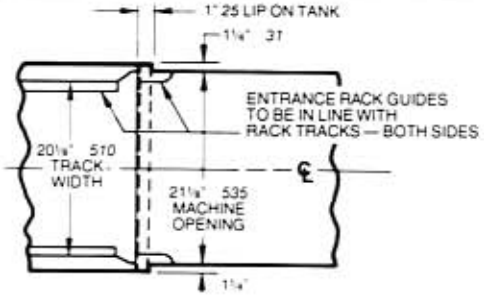

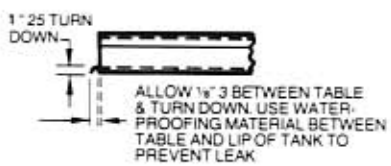

GENERAL NOTES

1. VERY IMPORTANT. Roughing-in drawings show machine with interconnected plumbing (optional extra) for one connection only for tank fills, drains, etc. If machine to be without interconnected plumbing, contact office.

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IMPORTANT NOTE:
Before making final drawings, verify all plumbing and electrical connections, location of control box, and conveyor drive.

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RACK TYPE—Two Tank with Pre-Wash

R-PCC-88, R-PEE-96, R-PLL-104, R-PMM-124

RACK TYPE DISHWASHERS

NOTE

DIMENSIONS ARE SHOWN IN AMERICAN STANDARD AND METRIC.
CONTROL PANEL ON WASH TANK.
DRIVE MECHANISM ON UNLOAD SIDE.

MODEL	A	B	C	D	E	F	CONVEYOR SPEED	RACKS PER HOUR
R-PCC-88	88" 2235	32" 813	3" 76	5 7/8" 149	8 1/2" 216	10 3/4" 273	6.6 FT./MIN. 2.01 M./MIN.	238
R-PEE-96	96" 2438	36" 915	3" 76	7 7/8" 200	10 1/2" 267	12 3/4" 324	6.6 FT./MIN. 2.01 M./MIN.	238
R-PLL-104	104" 2642	40" 1016	5" 127	9 7/8" 251	12 1/2" 318	14 3/4" 375	8.5 FT./MIN. 2.6 M./MIN.	306
R-PMM-124	124" 3150	50" 1270	10" 254	14 7/8" 378	17 1/2" 445	19 3/4" 502	10.8 FT./MIN. 3.3 M./MIN.	306

PLUMBING AND ELECTRICAL CONNECTIONS

ITEM	SERVICE CONNECTION	FITTING	FUNCTION	DIM FROM FLOOR
1	140° F HOT 60° C WATER	3/4" 19	TANK FILL	58" 1473
2	180° F HOT 82° C WATER	3/4" 19	FINAL RINSE	62" 1575
3	ELECTRIC	1" 25	TANK HEAT	6" 152
4	ELECTRIC	1" 25	TANK HEAT	6" 152
5	ELECTRIC	1" 25	CONTROL PANEL	62" 1575
6	STEAM	1 1/2" 38	TANK STEAM HEAT	12 1/2" 315
7	CONDENSATE	1/2" 13	TANK STEAM COIL	12 1/2" 315
8	CONDENSATE	1/2" 13	TANK STEAM COIL	12 1/2" 315
9	GAS	3/4" 19	TANK HEAT	8 1/2" 216
10	DRAIN	2" 51	TANK	5 3/8" 137
11	DRAIN	2" 51	TANK	5 3/8" 137
12	DRAIN	2" 51	TANK	5 3/8" 137
13	HOOD VENT	4" x 16" 102 x 405	LOAD END	64 1/2" 1639
14	HOOD VENT	4" x 16" 102 x 405	UNLOAD END	64 1/2" 1639

CONN. NO.	POWER REQUIREMENTS AMPS SINGLE PHASE 115 VAC	208 VAC	220/240	THREE PHASE 208 VAC	220/240	440/480
3		96	87	55.5	50.2	25.1
4		96	87	55.5	50.2	25.1
5		37.1	32.8	21.4	18.5	9.5
6	STEAM HEAT 20 PSI. 140 LBS. CONDS HR 138 kPa. 63.5 kg. 42 BHP.					
9	GAS HEAT MAX. BTU. HR. 180 000					
	WATER AND STEAM WORKING PRESSURE 20 PSI. 138 kPa.					

HORSE POWER TOTAL 4 3/4

EXHAUST	CU. FT. MM. MIN.
LOAD END	200 C.F.M. 5.66 C.M.M.
UNLOAD END	400 C.F.M. 11.33 C.M.M.

DRAIN FLOW	30 GPM. 114 LITER/MIN.

APPROXIMATE SHIPPING WEIGHTS

MODEL	Domestic Crated	Export Crated	Export Boxed	Export Cubed
R-PCC-88	1350 lbs/613kg	1581 lbs/718kg	1657 lbs/752kg	192.3ft/5.45m³
R-PEE-96	1500 lbs/680kg	1758 lbs/798kg	1844 lbs/837kg	204.1ft/5.78m³
R-PLL-104	1680 lbs/763kg	1970 lbs/894kg	2069 lbs/939kg	216.0ft/6.12m³
R-PMM-124	1760 lbs/799kg	2065 lbs/938kg	2169 lbs/985kg	245.5ft/6.95m³

boosters (optional
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ished for one con-
achine. Booster is
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rinse or discharge
r. (Due to heavy

weight of booster, machine mounting not recommended.) Electric thermostats in steam and electric boosters wired to electric control panel on Dishwasher, however electric heating elements in electric booster should be wired to power line (not through the electric control panel). See literature on Boosters.

3. Recommended minimum wall clearance at back of machine—3" *75 mm.*

4. All vertical dimensions from floor line subject to 3/4" *20 mm* increase or decrease due to adjustable feet.