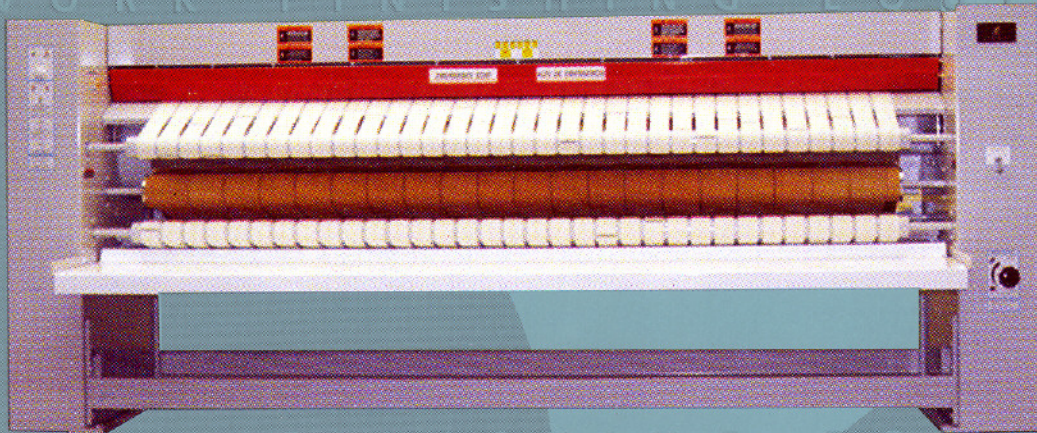


FLATWORK FINISHING EQUIPMENT



FLATWORK FINISHING EQUIPMENT

SHARPER FINISH



FLATWORK FINISHING EQUIPMENT

MODEL 2400

FLATWORK FINISHING EQUIPMENT

MODEL 2400

PRODUCTION DATA

	FRONT FEED REAR DELIVERY WITH 4 OPERATORS ^④	FRONT FEED FRONT DELIVERY WITH 2 OPERATORS
MAXIMUM THEORETICAL CAPACITY	690 pounds per hour (312 kg) of finished flatwork	
AVERAGE CAPACITY —Sheets per hour	325	120
INSTITUTIONAL FLATWORK Pounds per hour ^{①②}	325	125
MAXIMUM NUMBER OF HOTEL ROOMS FOR WHICH FLATWORK CAN BE PROCESSED ^③		
5 days (40 hours) per week	275	100
6 days (48 hours) per week	325	120
7 days (56 hours) per week	375	140
MAXIMUM NUMBER OF HOSPITAL ROOMS FOR WHICH FLATWORK CAN BE PROCESSED ^③		
5 days (40 hours) per week	165	65
6 days (48 hours) per week	200	75
7 days (56 hours) per week	235	85

① Pounds of institutional flatwork per hour is based on 65% large items such as sheets and 35% medium and small items such as tablecloths, napkins and pillowcases.

② An efficiency rate of 65% is applied to large items, such as sheets, and 35% to medium and small items such as tablecloths, napkins and pillowcases.

③ Predicated on total average linen usage of 11 lbs. per hotel/motel room per day, and an average of 18 lbs. per hospital bed per day.

④ Additional production and reduced labor costs can be achieved by use of automatic folding equipment.

DETERMINING FLATWORK FINISHING REQUIREMENTS

A simple formula can be used to determine total laundry and flatwork finishing requirements.

EXAMPLE: A 300 room hotel or motel using 11 pounds of dry linen per day and operating a laundry 48 hours per week:

$$\begin{array}{ccccccccccc}
 11 & \times & 300 & = & 3300 & \times & 7 & = & 23,100 & \div & 48 & = & 481 & \times & 65\%* & = & 312 \\
 \text{POUNDS} & & \text{NUMBER} & & \text{TOTAL} & & \text{NUMBER} & & \text{TOTAL} & & \text{NUMBER} & & \text{TOTAL} & & \text{\% OF} & & \text{TOTAL} \\
 \text{PER ROOM} & & \text{OF ROOMS} & & \text{POUNDS} & & \text{OF DAYS} & & \text{POUNDS} & & \text{OF HOURS} & & \text{POUNDS} & & \text{FLATWORK} & & \text{POUNDS OF} \\
 & & & & \text{PER DAY} & & \text{ACCUMULATION} & & \text{PER WEEK} & & \text{LAUNDRY IS} & & \text{PER HOUR} & & \text{CONTAINED} & & \text{FLATWORK} \\
 & & & & & & & & & & \text{OPERATED} & & & & \text{IN TOTAL} & & \text{TO BE} \\
 & & & & & & & & & & \text{PER WEEK} & & & & & & \text{FINISHED} \\
 & & & & & & & & & & & & & & & & \text{PER HOUR}
 \end{array}$$

*Studies show that approximately 65% of total will be flatwork, 30% can be tumble dried and 5% will be miscellaneous.

To determine your specific needs, just complete the following formula, inserting your own quantities and working hours.

$$\begin{array}{ccccccccccc}
 \text{POUNDS} & \times & \text{NUMBER} & = & \text{TOTAL} & \times & \text{NUMBER} & = & \text{TOTAL} & \div & \text{NUMBER} & = & \text{TOTAL} & \times & \text{\% OF} & = & \text{TOTAL} \\
 \text{PER ROOM} & & \text{OF ROOMS} & & \text{POUNDS} & & \text{OF DAYS} & & \text{POUNDS} & & \text{OF HOURS} & & \text{POUNDS} & & \text{FLATWORK} & & \text{POUNDS OF} \\
 & & & & \text{PER DAY} & & \text{ACCUMULATION} & & \text{PER WEEK} & & \text{LAUNDRY IS} & & \text{PER HOUR} & & \text{CONTAINED} & & \text{FLATWORK} \\
 & & & & & & & & & & \text{OPERATED} & & & & \text{IN TOTAL} & & \text{TO BE} \\
 & & & & & & & & & & \text{PER WEEK} & & & & & & \text{FINISHED} \\
 & & & & & & & & & & & & & & & & \text{PER HOUR}
 \end{array}$$

Production capacity of a well designed and manufactured flatwork ironer is governed by many factors which in most cases are beyond the control of the machine manufacturer. Only years of experience in the manufacturing of this type of machinery and extensive actual hands-on working knowledge enables us, at Sharper Finish to provide you with realistic, obtainable production data.

In preparing these production figures, we have had to assume that certain conditions exist that are consistent with a well managed on premise laundry.

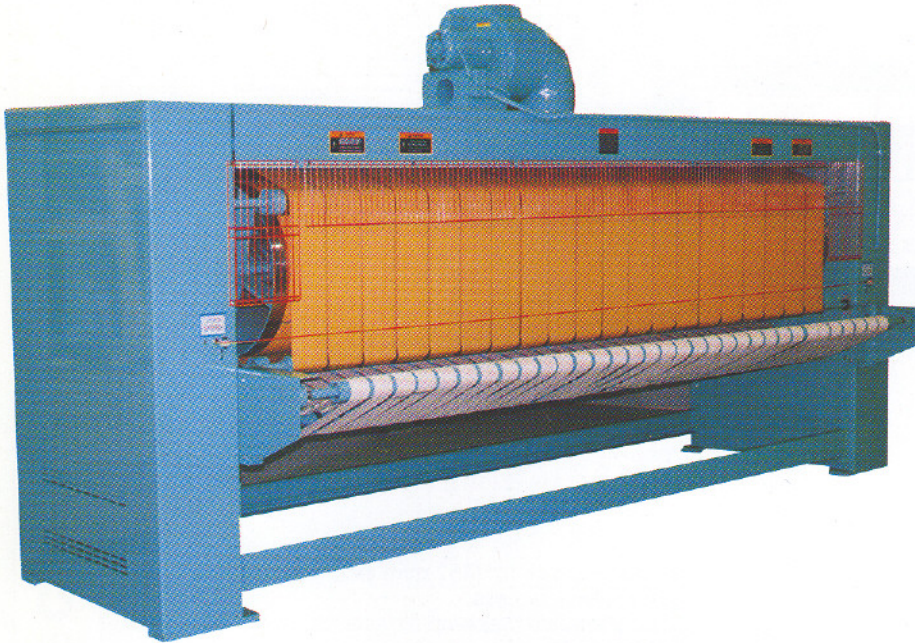
Our assumptions are as follows:

1. Flatwork to be processed is blended materials containing 50% synthetic and 50% natural fibres.
2. Moisture content of work to be processed will not exceed 25% and residual moisture content will not exceed 4%.
3. Estimated capabilities based on 120" (3048 mm) machine. Production reduced on other models.

THE MODEL 2400 FLATWORK FINISHER

HIGHEST IN QUALITY – LOWEST IN PRICE

- Complete New Design.
- Energy Efficient.
- Advanced Safety Features.
- Minimum Space.



Convenient discharge height. Finished work delivered to the rear of the machine is raised to a height of over 32" inches (815 mm) by an angled conveyor. This increased height allows this machine to be used with all automatic folding machines. In addition, if work is to be hand folded the increased height increases productivity and reduces operator fatigue.

Not just a rehash of an existing machine or a copy of a foreign made device, this all new Model 2400 brings you the best of tried and proven components to insure maximum production, dependable performance, minimum maintenance and lowest possible operating cost.

Our designs originate here by the most experienced engineering department in this field. Machines are designed to fill a need. We know how dependent you are on this one machine and give quality and dependability top priority.

Silent natural draft burners provide just the right amount of heat to properly dry and beautifully finish your flatwork but are not oversize to waste precious energy and money. Ignition of this burner is provided by direct spark in partnership with burner far-end flame sensor and ignition control module to insure safe and reliable operation.

The gas heated version of the Model 2400 is equipped with our advance design Intelatrol® II. This device provides energy saving and safety. Should the operators leave the machine for twenty minutes the heat is automatically turned off and a red signal lamp is illuminated. Should they fail to return, the machine will remain operating until cool and then the entire machine will shut off.

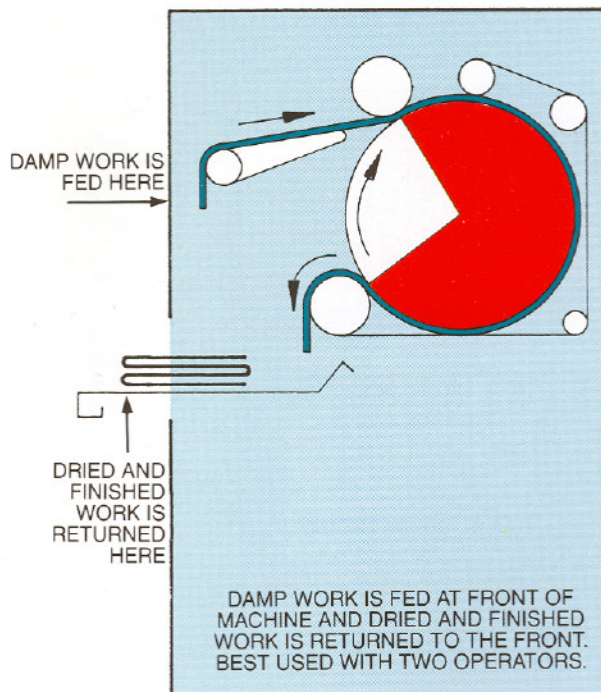
Energy is saved, excessive wear is reduced and safety is provided. Further proof of our concern for your operation.



**ALL THE FEATURES OF THE MODEL 2400 WOULD SHOCK OUR COMPETITION
– IF WE HAD ANY –**

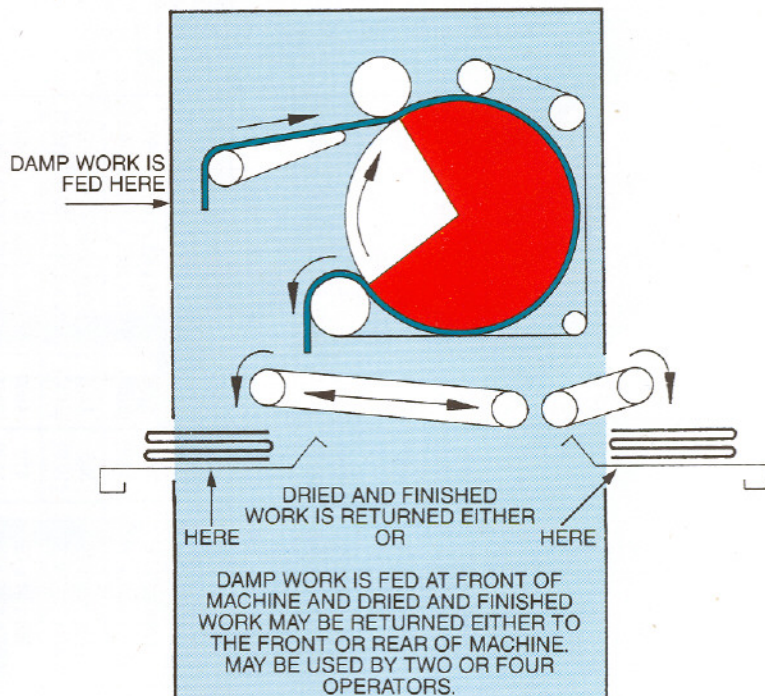
MODEL 2400

GF or SF



MODEL 2400

GR or SR



SPECIFICATIONS

SAFETY FEATURES

Bright red safety finger guard extends full width of finishing surface and stops machine if touched by operator. Main start button must be pressed before machine can be restarted.

Safety cable extends across entire feeding surface and across entire receiving surface on rear discharge machines. Moving this cable in any direction stops machine at once.

Access panels provided with safety switch to prevent panel being opened while machine is in operation and to insure panel is in place during normal operation.

Sturdy Guards provided at front and rear of machine to prevent contact with moving items.

All operating controls conveniently located at front of machine.

Ventilating canopy provided with properly sized motor and blower to insure removal of moisture created during the finishing process. Air flow switch is located in the air stream to insure correct air flow before heating system can be started. (Gas heated models.)

All motors equipped with magnetic starting devices and overload protection.

Safety operating and maintenance instructions conveniently displayed on the machine in both English and Spanish.

FINISHING SURFACE

Available 100" (2540 mm), 110" (2794 mm), or 120" (3048 mm).

FRAMES

All steel-welded construction.

HEATED ROLL

All steel accurately formed, ground, and polished to mirror like finish.

HEATING

Equipped with full length multi port burner for even heat distribution and maximum efficiency. Pilotless ignition system saves energy while providing safe operation.

Steam heated model is virtually maintenance free as energy to heat this machine is provided by outside source.

HEAT CONTROL

Extremely accurate snap action thermostat insures accurate control of all types of work. (Gas heated models).

PRESSING ROLL

Constructed from heavy gauge seamless steel tubing.

FINISHING PRESSURE

Pressure automatically controlled by heavy tension springs. Pressure adjustable to compensate for padding variations.

PADDING

All Nomex® pad and cover cloth are provided to produce fine finish and long life.

AUTOMATIC FEEDING DEVICE

Work to be finished is simply placed on automatic conveyor which takes it to heated and pressing area for neat, fast finishing.

Nomex® is a registered trademark of Du Pont.

RECEIVING TABLE

Convenient receiving tables allow finished work to be removed at either front or rear of machine. (GF and SF Models have front table only.)

DRIVE

Totally variable speed drive is accomplished with time tested and proven mechanical components. Energy efficient ball bearing motor powers gear reduction unit. Conveniently located knob allows any operating speed between 25 and 75 feet per minute (7.6-23 m/min.).

BEARINGS

All rolls mounted in oversize ball bearings.

ELECTRICAL CONTROLS

All control circuits operate on 24 volts to insure operator safety. Magnetic contactor provided for control of motor. Drive motor thermally protected.

FINISH

Entire machine is finished with high grade machine enamel in your choice of colors.

Safety finger guard is finished in bright red. Feed and receiving tables are finished in white enamel to produce a finely trimmed machine.

INTELATROL® II

Automatic Energy Saver System standard on all gas heated models. Automatically turns off heat if machine is not used for 20 minutes or more. In addition, when machine is cool, entire machine is turned off to save energy and reduce wear.

MODEL 2400 TECHNICAL DATA

MACHINE MODEL	FINISHING SURFACE WIDTH INCHES (mm)	HEATED ROLL DIAMETER INCHES (mm)	INFINITELY VARIABLE SPEED RANGE FEET PER MINUTE	ELECTRICAL REQUIREMENTS WITH CANOPY MOTOR (mm)	MAXIMUM REQUIREMENTS B.T.U. / HR. (kW)	GAS INLET INCHES	STEAM CONSUMPTION BOILER H.P. (kg/hr.)	STEAM INLET INCHES	CONDENSATE RETURN INCHES	MAXIMUM STEAM PRESSURE P.S.I. (ATU)	NET WEIGHT* POUNDS (kg)	DOMESTIC CRATED WEIGHT* POUNDS (kg)	DOMESTIC CRATED SIZE L x W x H INCHES (mm)	DOMESTIC CRATED VOLUME CUBIC FEET (m ³)	EXPORT CRATED WEIGHT POUNDS (kg)	EXPORT CRATED SIZE L x W x H INCHES (mm)	EXPORT CRATED VOLUME CUBIC FEET (m ³)
GF2400 x 100	100 (2540)	24 (610)	25-75 (7.6-23)	2 (1.5)	330,000 (96.8)	3/4	—	—	—	—	3800 (1721)	4100 (1858)	156 x 54 x 79 (3962 x 1372 x 2007)	385 (10.9)	4400 (1933)	156 x 53 x 79 (3962 x 1346 x 2007)	378 (10.7)
GF2400 x 110	110 (2794)	24 (610)	25-75 (7.6-23)	2 (1.5)	360,000 (105.6)	3/4	—	—	—	—	3900 (1767)	4200 (1903)	166 x 54 x 79 (4216 x 1372 x 2007)	410 (11.6)	4500 (2039)	166 x 53 x 79 (4216 x 1346 x 2007)	402 (11.4)
GF2400 x 120	120 (3048)	24 (610)	25-75 (7.6-23)	2 (1.5)	395,000 (115.9)	3/4	—	—	—	—	4000 (1812)	4300 (1948)	176 x 54 x 79 (4470 x 1372 x 2007)	435 (12.3)	4620 (2084)	176 x 53 x 79 (4470 x 1346 x 2007)	426 (12.1)
GR2400 x 100	100 (2540)	24 (610)	25-75 (7.6-23)	2 (1.5)	330,000 (96.8)	3/4	—	—	—	—	4200 (1903)	4500 (2039)	156 x 64 x 79 (3962 x 1626 x 2007)	456 (12.9)	4800 (2175)	156 x 63 x 79 (3962 x 1600 x 2007)	449 (12.7)
GR2400 x 110	110 (2794)	24 (610)	25-75 (7.6-23)	2 (1.5)	360,000 (105.6)	3/4	—	—	—	—	4300 (1948)	4600 (2084)	166 x 64 x 79 (4216 x 1626 x 2007)	486 (13.6)	4900 (2220)	166 x 63 x 79 (4216 x 1600 x 2007)	478 (13.5)
GR2400 x 120	120 (3048)	24 (610)	25-75 (7.6-23)	2 (1.5)	395,000 (115.9)	3/4	—	—	—	—	4400 (1993)	4700 (2130)	176 x 64 x 79 (4470 x 1626 x 2007)	515 (14.6)	5000 (2266)	176 x 63 x 79 (4470 x 1600 x 2007)	507 (14.4)
SF2400 x 100	100 (2540)	24 (610)	25-75 (7.6-23)	2 (1.5)	—	—	4.5 (70)	1	3/4	150 (10)	4100 (1857)	4400 (1933)	156 x 54 x 79 (3962 x 1372 x 2007)	385 (10.9)	4700 (2130)	156 x 53 x 79 (3962 x 1346 x 2007)	378 (10.7)
SF2400 x 110	110 (2794)	24 (610)	25-75 (7.6-23)	2 (1.5)	—	—	5 (78)	1	3/4	150 (10)	4200 (1903)	4500 (2039)	166 x 54 x 79 (4216 x 1372 x 2007)	410 (11.6)	4800 (2175)	166 x 53 x 79 (4216 x 1346 x 2007)	402 (11.4)
SF2400 x 120	120 (3048)	24 (610)	25-75 (7.6-23)	2 (1.5)	—	—	5.5 (86)	1	3/4	150 (10)	4300 (1948)	4600 (2084)	176 x 54 x 79 (4470 x 1372 x 2007)	435 (12.3)	4900 (2220)	176 x 53 x 79 (4470 x 1346 x 2007)	426 (12.1)
SR2400 x 100	100 (2540)	24 (610)	25-75 (7.6-23)	2 (1.5)	—	—	4.5 (70)	1	3/4	150 (10)	4500 (2039)	4800 (2175)	156 x 64 x 79 (3962 x 1626 x 2007)	456 (12.9)	5100 (2311)	156 x 63 x 79 (3962 x 1600 x 2007)	449 (12.7)
SR2400 x 110	110 (2794)	24 (610)	25-75 (7.6-23)	2 (1.5)	—	—	5 (78)	1	3/4	150 (10)	4600 (2084)	4900 (2220)	166 x 64 x 79 (4216 x 1626 x 2007)	486 (13.6)	5200 (2356)	166 x 63 x 79 (4216 x 1600 x 2007)	478 (13.5)
SR2400 x 120	120 (3048)	24 (610)	25-75 (7.6-23)	2 (1.5)	—	—	5.5 (86)	1	3/4	150 (10)	4700 (2129)	5000 (2266)	176 x 64 x 79 (4470 x 1626 x 2007)	515 (14.6)	5300 (2401)	176 x 63 x 79 (4470 x 1600 x 2007)	507 (14.4)

GF - GAS HEATED—FRONT FEED & FRONT DELIVERY OF FINISHED WORK

SF - STEAM HEATED—FRONT FEED & FRONT DELIVERY OF FINISHED WORK

GR - GAS HEATED—FRONT FEED & FRONT OR REAR DELIVERY OF FINISHED WORK

SR - STEAM HEATED—FRONT FEED & FRONT OR REAR DELIVERY OF FINISHED WORK

METRIC CONVERSIONS ARE APPROXIMATE

SHARPER FINISH, INC.

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Outside U.S.A. and Local 773/276-4800

FAX 773/276-6878

U.S.A. and Canada Toll Free

800/247-IRON
4766

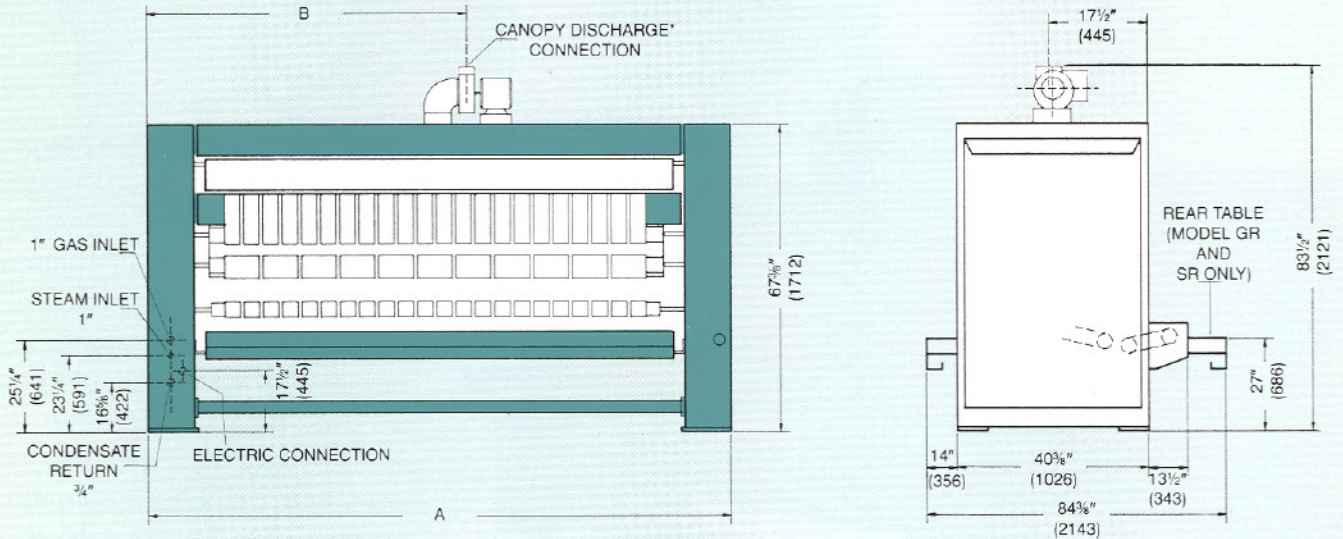
FAX Free

800/247-4428

DIMENSIONS

INCHES
(mm)

*CANOPY DISCHARGE CONNECTION 1 3/4" x 5 7/8" (298mm x 149mm)
1050 C.F.M. AT 2" S.P. 10" (254 mm) ROUND DISCHARGE PIPING
MAY BE USED. VENT MUST BE INDEPENDENTLY DISCHARGED
TO ATMOSPHERE. DO NOT INTERCONNECT WITH OTHER VENT
LINES.



ALL CONNECTIONS AT REAR OF MACHINE.

FINISHING WIDTH	100" (2540)	110" (2794)	120" (3048)
A	145 1/2" (3696)	155 1/2" (3950)	165 1/2" (4204)
B	83 1/2" (2121)	88 1/2" (2248)	93 1/2" (2375)

Allow minimum of 18" (457 mm) clearance at ends of machine for maintenance access.

Provide adequate make-up air according to current local requirements.

Canopy vent must be independently discharged to atmosphere. Do not interconnect with other vent lines.

Do not use for construction purposes unless certified correct by Sharper Finish, Inc.

DISTRIBUTED BY:



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Right in The U.S.A.

SHARPER FINISH, INC.

4500 AUGUSTA BLVD.

CHICAGO, ILLINOIS 60651-3399

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