

Instruction Manual

Wizzard

Floor Washing Machine

24N 24T

34N 34T 34P

44P

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Introduction

Congratulations! on your purchase of WIZZARD, the handy, reliable and the most effective floor washing machine for hard floors. We are confident that WIZZARD will give you years of trouble-free service and will help you to maintain your floors cleaner than ever before, with great ease. We did our best to supply you with an efficient and dependable machine. Before taking your WIZZARD into operation, please carefully read these operating instructions, which gives you details about operation of the unit and contains valuable informations for service and maintenance.



This symbol is used in this manual at several places and identifies particular areas that are of essential for your safety. Please pass all safety instructions on to other persons operating this machine.

Product Information

The WIZZARD Floor Washing Machine is an ideal machine to clean hard floors in small and medium areas like offices, hospitals, restaurants, shopping complexes and in many commercial applications. It dispenses / sprays plain water / detergent solution, scrubs and picks up the dirty water - all in a single pass. Wizzard has different optional brushes to suit a variety of applications. This machine can be used (only) on smooth even floors like Mosaic, natural stone floors, PVC, Smooth concrete, cut-pile carpet, Wood and Profiled Rubber. It should not be used on rough uneven surfaces.

Warranty

Every Wizzard floor washing machine is guaranteed for one year from the date of purchase against defective material and faulty workmanship. Within this period we undertake to repair or replace free of charge to the purchaser, parts found to be defective, excluding the brushes. This warranty does not cover damage caused by accident, misuse or neglect or the fitting/usage of other than genuine parts/accessories/consumables. Any service or attempt to service by persons other than authorised servicing agent invalidates this warranty.

Important safety instructions



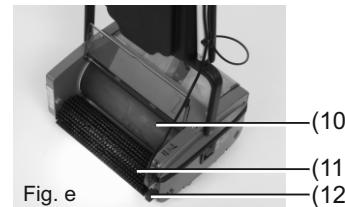
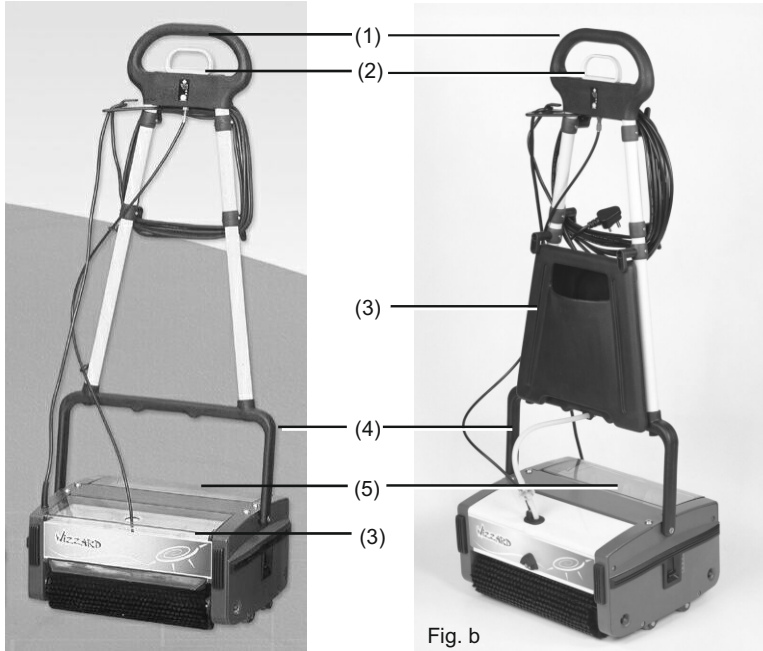
Please read the following instructions completely before operating the machine. Any violation of the same will not only invalidate the warranty, but also may result in a safety hazard.

- The machine must be unpacked and assembled in accordance with these instructions before connecting to the electrical supply.
- This machine should always be connected to a fully grounded power supply of the right voltage and frequency.
- Keep the power supply cord away from moving parts. During operation, hazard may occur when running machine over the power cord.
- The machine must be disconnected from the mains supply (by pulling the plug out) before changing the brushes, cleaning the machine and, for maintenance.
- **Warning! Use only the brushes/accessories strictly as per the instruction manual. Usage of any other brushes/accessories can cause safety problems.**
- Periodically inspect the cord for possible damage. The damaged cord must be replaced with the special cord available from the manufacturer or an authorized service agent.
- DO NOT leave the machine connected to the power supply when not in use; always remove the plug from the mains socket.
- DO NOT use where hazardous dust is present.
- DO NOT use machine near flammable liquids.
- DO NOT use in an explosive atmosphere.
- DO NOT use in gradient surface.

Guidelines for the operator

- ✍ Operators must be fully trained in accordance with these instructions, able to perform routine upkeep of the machine and correct selection of brushes.
- ✍ Operators should be physically capable to maneuver transport and operate the machine.
- ✍ DO NOT run the machine dry, as this could damage the floor surface or the machine itself.
- ✍ Take adequate care to hold the machine firmly while installing and removing the brush.
- ✍ Never use excessive foaming or highly corrosive cleaning solutions.
- ✍ While operating on a flooded floor, always ensure that the water level does not exceed **1mm**.
- ✍ DO NOT operate this machine on rough uneven surface like industrial concrete floor.
- ✍ Do not clean the machine using water jet.
- ✍ Ensure all parts are fitted properly before operation.

Know your machine



- (1) Top handle
- (2) Liquid discharge control handle
- (3) Tank
- (4) Bottom handle
- (5) Dirty water tank
- (6) Filter
- (7) Lid Cap
- (8) Boot
- (9) Nozzle
- (10) Conveyor drum
- (11) Brush
- (12) Pedal
- (13) Fresh water tank

NOTE: 24 / 34 / 44 refers to the machine width in cm

N refers Natural model / T refers Tank model / P refers Pump model

If you have purchased N model please refer Fig. a, Fig. d, Fig. e & Fig. f

If you have purchased T model please refer Fig. a, Fig. b, Fig. d, Fig. e & Fig. F

If you have purchased P model please refer Fig. b, Fig. c, Fig. e & Fig. G

Working Principle

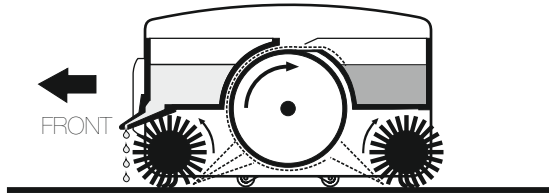


Fig. f

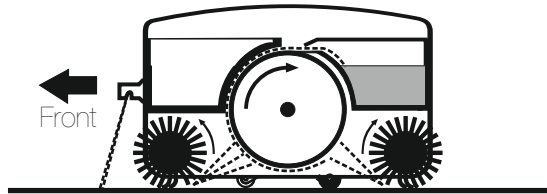
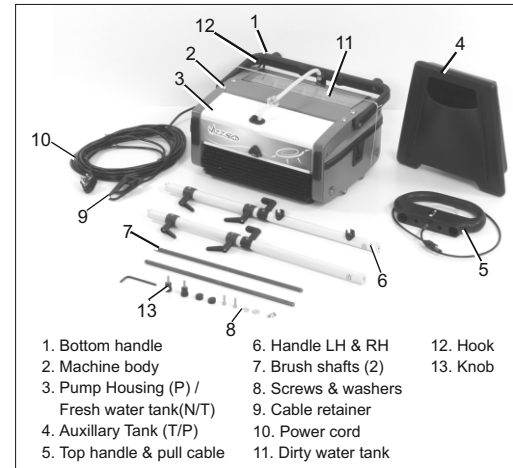


Fig. g

1. Cleaning liquid in the solution tank is applied to the floor by either dripping (N/T) or spraying (P).
2. The counter rotating brushes scrubs the floor and also throws the dirty water on the Conveyor drum. The front brush does most of the scrubbing and drying. The rear brush completes the scrubbing and collects the remaining water off the floor.
3. A blade fitted to the dirty water tank wipes the drum and collects the dirty water.

Preparing for use

Unpack



1. To save packing space and to ensure the safety of the machine during transporting, the WIZZARD comes to you with its handle dismantled. Ensure that the listed parts are present as shown and identify them in order to understand the assembly instructions.

2. Remove the rubber band which holds the bottom handle with the machine body while holding the bottom handle.



Warning! Since the bottom handle is spring loaded, the casual removal of the rubber band may result in sudden springing back leading to possible injury to personnel.

Assembly



**RIGHT
BOTTOM
REAR**

**LEFT
BOTTOM
REAR**



1. Insert the two tubular handles into the bottom handle and secure them using knob (2 Nos) by tightening lightly. Ensure that the handles are assembled according to their marked position and the cable holding hooks are pointing towards the rear.
2. Slide the electric cable retainer into the top portion of RH handle.
3. Fit the top handle over the tubular handles and secure them with washer and screw (2 sets). Ensure that the label on the top handle is facing the front of the machine. Now tighten firmly both the knobs and screws alternately. Insert the dummy caps provided to cover the screws (2 nos) in the top handle.
4. Pass the free end of the pull cable through the plastic guide in RH Handle. Press and twist clockwise to firmly secure the cable end to the fresh water tank (N/T).
5. Fix the auxiliary tank firmly into the bottom handle by holding the top handle.
6. Rotate the knob to hold the auxiliary tank.
7. The brushes are only loosely packed in the machine for transit, therefore the brush shafts must be fitted before operating the machine. Push the shafts through the brushes from the side of the machine. To remove brushes, push the brush shaft out from the side of the machine using the fingers and

withdraw the shaft. Normally standard brush type will be supplied with the machine. Brushes shall be selected according to the type of floor surface to be cleaned, and the degree of dirt to be removed, please refer Brush Selection Guide.

8. Now machine is ready for use.
9. Secure the allen key in the slot provided in the handle tube for further usage.

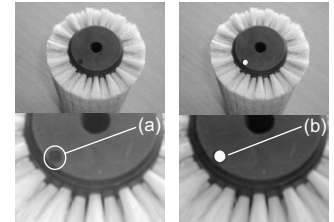
Brush selection guide

Type of floor	Brush Type	
	First time cleaning	Maintenance cleaning
Ceramic, Mosaic, Wood, Profiled rubber, Vinyl, PVC.	Standard	Soft
Short pile carpet	Soft	Soft
All nature stone floors (Marble, Granite etc.)	Soft	Soft
Smooth concrete	Hard	Standard
Escalator	Escalator	Escalator
Other	To suit individual floor conditions	

Brush identification

This is applicable when the customer has more than one set of brushes of same type.
Example : 2 or more sets of Standard Brush

- (a) Hole provided for plugging button.
- (b) Brush with button plugged.

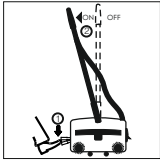


Customers may not interested to use same brushes in Bedroom / Kitchen / germ free area which is already been used in other areas like Corridor / Bathroom / Oil or chemical deposited areas. It is difficult for the customers to identify the particular brush which is used in certain area. To make this easy, Brush buttons of colors RED, BLUE, WHITE and YELLOW are packed with the machine. Customers shall plug the buttons on the hole provided in the brush as shown.

This helps the customer to identify the particular brush by keeping the button (color) as reference.

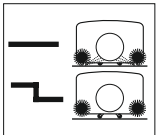
Controls

On/Off Control



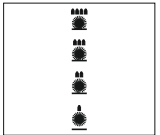
By pressing the pedal lightly with your foot, pull back the handle a little to start the motor. The brushes and the drum starts rotating. Pulling the handle further without pressing the pedal, lowers the machine and engages the rotating brushes onto the floor. To stop working, take the handle to the vertical position.

Transport/Working Model Control



Slide this knob to TOP position (Working Mode) to operate the machine. Slide this knob to BOTTOM position to move the machine from one place to other place and to park the machine. By keeping the knob to top position (working mode) and moving the machine will

Brush Contact Control



Brush contact with the floor is adjustable in 4 steps, contact is MINIMUM when the knob is fully down and MAXIMUM when it is fully raised. This helps you to compensate for the wear of brushes and also to control the scrubbing effect. If there is no

machine movement while in operation (working mode), change the knob position to one step up.

Cleaning Liquid Discharge Control



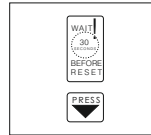
By pulling, the liquid discharge control handle up, the cleaning liquid is made to spray on the floor. The spraying stops once the liquid discharge control handle is released.

Pull cable connect / disconnect control



Insert the free end of pull cable into the valve body fitted in the fresh water tank. Press and twist clockwise to secure the cable end. Similarly, press and twist anti-clockwise to disconnect the cable end.

Motor Overload Protector



In the event of motor getting overloaded due to improper power supply or unexpected obstruction to the brush/drum rotation, the over load protector trips and protects the motor from damage. If this happens, identify the cause, correct it and, reset the protector button after minimum 30 seconds from tripping by pressing the over load protector manually and continue working.



Warning! should the machine fail to operate, contact the supplier from whom you purchased the machine.

Operating the machine

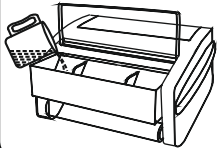
Before the washing operation starts



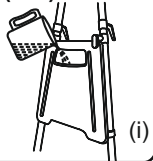
Warning! Pre-cleaning of floor is must before using the WIZZARD.

1. Fill cleaning liquid in fresh water tank

Model (N)



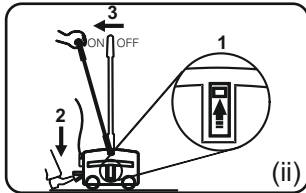
Model (T/P)



2. Insert the plug into mains 3-pin socket.
3. Ensure that the brushes are fitted properly.
4. Slide the transport/working mode control knob to TOP (working) position (Fig-ii).

Recommended washing sequence

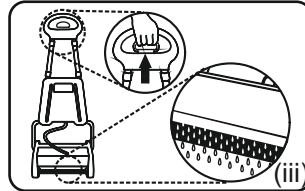
1. Start the machine by pressing the pedal and pulling the handle back (Fig-ii).



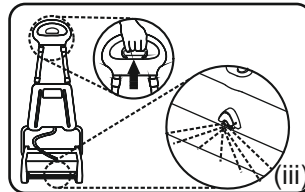
2. Move forward, while sparingly pulling the liquid discharge control handle (Fig-iii).

This handle should not be kept pulled all the time. The duration and frequency of pulling and releasing has to be adjusted suitable to match with the type of floor, extent of dirt. etc. For ceramic & granite floors, apply very little water.

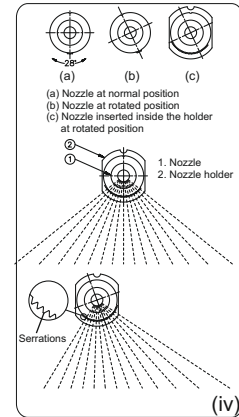
Model (N/T)



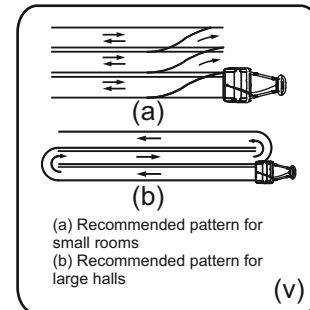
Model (P)



Spray angle / area can be controlled by the user according to their requirements. It also prevents water / solutions sprayed in the cleaned area. Spray angle of the solution is made to adjust using the serrations provided in the nozzle and the nozzle holder. Nozzle can be rotated about 28 degrees either clockwise or counter clockwise @ the increment of 4 degree (Fig-i v).

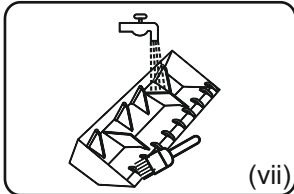
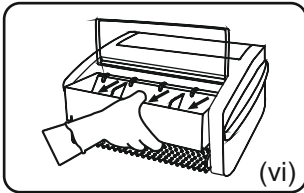


3. Stop the liquid discharge approximately one foot before the end of forward motion. continue to move forward up to the wall without pulling the pull handle .



Operating the machine

4. Pull the machine backwards in the same track, but without discharging any liquid. When you are reaching the starting point, change the track and repeat steps 2 through 4. When you are changing the track allow some overlap with the cleaned area. In case of large halls take a U-turn and move forward. If quick drying is desired, move on the same track, without discharging the liquid (Fig-v)
5. When the dirty water tank is full, lift and pull the tank out of the machine (Fig vi). Empty the tank and wash it in running water or dip it in a bucket of water (Fig-vii). Clean the blades and push the tank into its place.

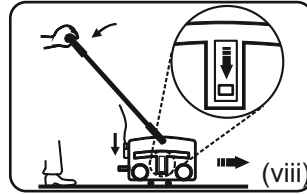


Warning! Avoid touching the sharp edge of dirty water tank, it may cause injury to hands.

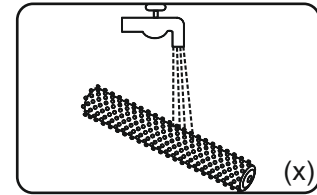
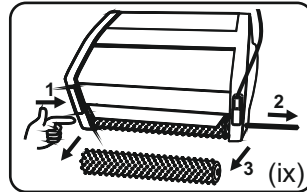
Care of the machine



Warning! Before undertaking the cleaning of machine, switch off the machine and unplug from the electrical supply.

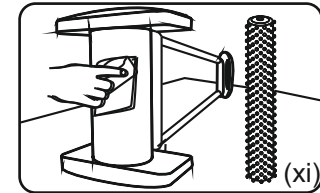


1. Move the Transport / Working mode control knob to BOTTOM (Transport) position (Fig-viii).
2. Disconnect the power supply by unplugging the electrical plug and wind the cable over cable holders in the handle.
3. Pull out the dirty water tank and wash it completely.
4. To prevent possible clogging of filter, drain cleaning liquid and keep the fresh water

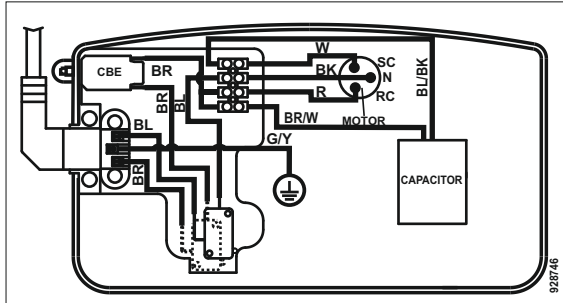


tank clean.

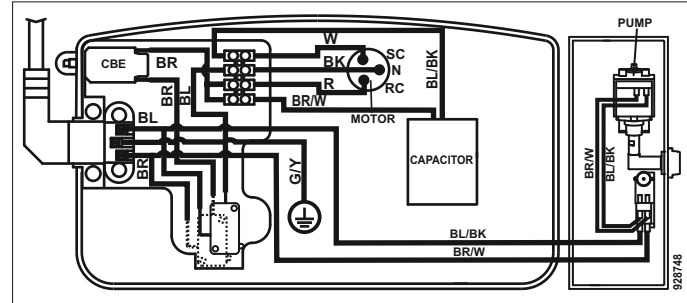
5. Remove the brushes by pushing the brush shaft out (Fig-ix).
6. Wash the brushes either by dipping in a bucket/sink or in running water (Fig-x).
7. Turn the machine sideways and wipe clean the conveyor and machine body with a damp cloth (Fig-xi).
8. Re-install the brushes after washing. It is easier to push the brush shaft from the right hand side (identified by the electrical cable).



Electrical Diagram



1. Electrical layout of N/T model




2. Electrical layout of P model

Diagram 1(N/T) and diagram 2 (P) are made available in the cover (Power cord side) of the respective machine for service purpose.




Warning! Any service or attempt to service by persons other than authorized servicing agent is not recommended.

Abbreviations given in the diagram as listed:

Abbreviation / Symbol	Description	Abbreviation / Symbol	Description
CBE	Circuit Breaker	G/Y	Green / Yellow
BR	Brown	SC	Starting coil
BL	Blue	RC	Running coil
W	White	N	Normal
BK	Black		Ground
R	Red		

ADDITIONAL INFORMATION-WEEE (WASTE OF ELECTRIC AND ELECTRONIC EQUIPMENT)

The symbol  on the product or its packages indicates that the product may not be treated as house hold waste. Instead it shall be handed over to applicable collection point for recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequence of the environment and human health, which could otherwise be caused by inappropriate waste handling of this product, please contact your local city office, your household waste disposal service or shop where you purchased the product.

Accessories

Transporter

The simply fitted trolley provides for ease of movement when transporting the machine.



Warning! Empty all liquid from the machine before using the transporter.

Installing the Transporter

1. With the machine handle in the upright position place the transporter centrally alongside the machine.
2. By holding the machine firmly, strap the velcro with the machine to fix the transporter.
3. Ensure that the velcro strap properly wrapped around the bottom handle.
4. Now the transporter is ready to use. The machine can then be maneuvered easily whilst holding the top handle.



Side Brush

To wash the edges, the side brush shall be used. Switch off and unplug the machine before fitting the side brush.



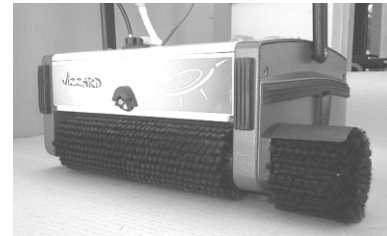
Warning! Do not use side brush in a room with no wall skirting, otherwise, the wall will get dirty.

Fitting the side brush

1. Remove the front brush and brush shaft.
2. Fix the shield assembly on the side plate.
3. Insert the side brush through the shield and main brush.

Using the side brush

1. Tilt the machine at an angle move forward. This way, the dirty water thrown by the side brush will be collected by the rear brush.
2. Use side brush only for washing the edges.



Upkeep of your WIZZARD



Warning! Before undertaking the maintenance operations or adjustments, switch off the machine and unplug from the electrical supply.

To get the maximum life of the machine ensure the following.

- **Supply cord**

Regularly inspect sheath, plug and cord anchorage for damage or loose connection.

- **Brushes**

For maximum life wash the brushes regularly. Ensure machine is in Transport mode when not in use. Store additional brushes in a vertical position to avoid bending of bristles. Check for permanent bending of bristles in a particular direction. This may occur if the machine is operated for several days without removing the brushes, which is not recommended. If this occurs, reverse the brush so that the bent bristles are automatically straightened.

- **Wiper Blade**

This may wear out after years of use. If this occurs the water collection performance will decrease. It should be replaced by an authorized Service Agent.

- **Solution tank filter (N/T)**

The filter prevents clogging of the drip holes in the tank. Periodically clean the filter to ensure uniform discharge of liquid. In case of non uniform discharge from the drip holes, back flush the tank in running water. Clean the drip holes using wire or a blunt pin.

- **Solution feed filter(P)**

The filter prevents clogging of the spray nozzle and should be periodically cleaned. Use pressurized air/ water for cleaning.

- **Nozzle maintenance(P)**

If the spray of the nozzle become blocked, slide the nozzle cover off and remove nozzle wash in clean water and clean using a pin and refit.

Technical specifications

Specification	Units	24N	24T	34N	34T	34P	44P
Cleaning capacity*	sq.m/hr	250	250	350	350	350	450
Cleaning width	mm	215	215	315	315	315	420
Fresh water tank capacity	liters	1.2	1.2+3	1.7	1.7+4	4	4
Overall dimensions							
Height with handle	mm	1118	1118	1114	1114	1114	1118
Height without handle	mm	210	210	210	210	210	210
Width	mm	340	340	440	440	440	540
Length	mm	378	378	378	378	378	378
Weight	kg	20	20.5	23.5	24	25	29.5
Noise level (Max)(see note 1)	dB(A)	68	68	69	69	69	71
Handle vibration (see note 2)	m/s ²	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5

*Theoretical

Note:

- Noise levels measured at a distance of 1 meter from machine and 1.6 metres above floor, when washing a hard floor. Measurements recorded using a hand held meter.
- Handle vibration does not exceed 2.5 m/s², when operating on a smooth hard surface.
- Above dimensions are approx. Since the companies policy is to continuously improve the product, there could be changes without prior notice.

Technical specifications

Model	Main supply	Power (W)	Brush speed (rpm)
24N / 24T	230 VAC ±6%, 50Hz, Single Phase	400	650
	220 VAC ±6%, 60Hz, Single Phase	1050	780
34N / 34T	230 VAC ±6%, 50Hz, Single Phase	600	650
	220 VAC ±6%, 60Hz, Single Phase	1050	780
34P	230 VAC ±6%, 50Hz, Single Phase	600 + 26	650
	220 VAC ±6%, 60Hz, Single Phase	1050	780
	110 VAC ±6%, 50Hz, Single Phase	750 + 26	650
	110 VAC ±6%, 60Hz, Single Phase	750 + 26	780
44P	230 VAC ±6%, 50Hz, Single Phase	1000	650
	220 VAC ±6%, 60Hz, Single Phase	1200	780
	110 VAC ±6%, 50Hz, Single Phase	850	650
	110 VAC ±6%, 60Hz, Single Phase	850	780



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