WPS-BC200 2
Entry terminal

The machine readable BC200 2 entry terminal is the controlling device at the entry to an off-street parking facility and processes daily tickets and subscriber cards. Thermal print-at-issue barcode technology provides a contactless ticket environ-ment that ensures a highly reliable ticket read rate.

Processing data

The entry terminal is equipped with a universal micro-processor board (MPB) to process the data generated from every type of transaction. A built-in battery back up retains transactions and clock functions.

Processing daily parkers

Daily parking barcode tickets are printed by the thermal graphical printer and are dispensed by push button or automatic issue. It is also possible to process chip and / or credit cards as daily parkers.

Processing subscribers

■ The barcode insertion reader processes barcode subscriber cards. This reader is used as a standard throughout the BC200 2 system.
■ Proximity cards or tags are processed by a contactless reader which reads from a distance up to 100 mm (Short Range).
■ The hands free system uses an antenna to process subscriber transponders, which are generally fitted to the inside of a car's windshield. This enables the transponder to be read up to 10m (Long Range) away.
■ Chip and / or credit cards (specified per country) are processed by one insertion reader.

Communication, security and customer assistance

A two-way voice intercom station is a common feature on every terminal. This allows patrons to contact parking lot management when assistance is needed. The level of customer service can be enhanced with a CCTV image that is generated using a pinhole camera in the station. Parkview, a two-way video option, can be integrated with the intercom in the station.

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Information

■ The entry terminal comes equipped with a standard LCD display that has two lines of programmable text with 20 characters each. An optional advanced TFT screen (Parkview Display) offers the ability to display advertising, detailed instructions and video images.

■ The entry terminal comes equipped with plain black decoration panels on each side. These can be upgraded to include an illuminated panel that provides additional customer information or advertising.

■ The fascia plate is constructed of aluminium and lexan and clearly directs customers through transactions with text and symbols.

Housing

The entry terminal housing (including service door with security lock at the rear) is constructed from 2mm (14 gauge) stainless steel to ensure an attractive, corrosion free appearance throughout its long life. The standard paint finish is RAL 9007 grey. BC200 2 cabinets are available in a wide range of optional RAL colours. A built in vibration sensor detects any vandalism attempts and immediately reports incidents to the management computer.
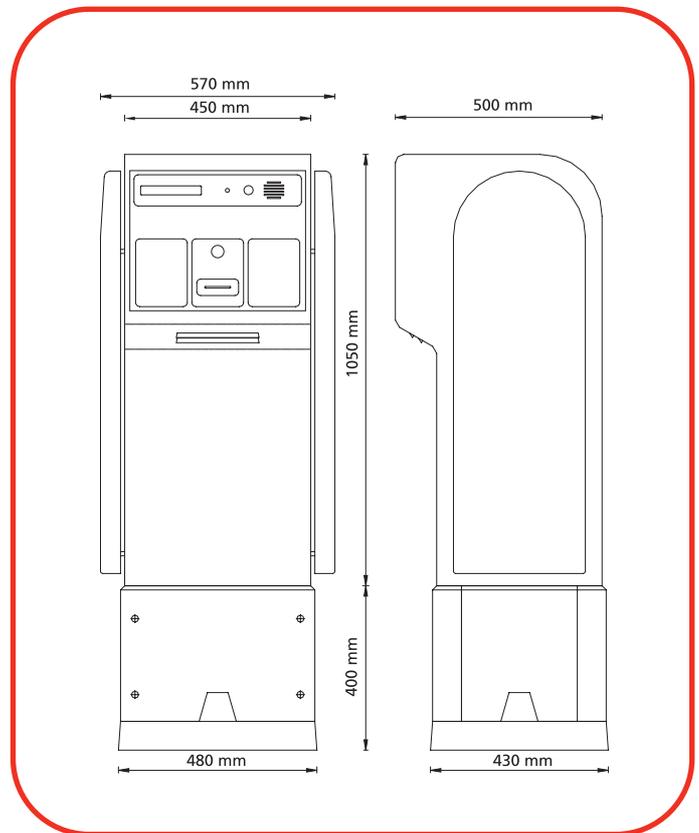
Vehicle detection

The BC200 2 entry terminal can be equipped with a vehicle detector which is used to arm the terminal for use only when a vehicle is present. Multi-loop directional logic can be incorporated.

Temperature control

A thermostatically controlled heater regulates internal temperature. An optional cold weather insulation kit and / or warm weather cooling fans can be installed in the station.

Mounting

The entry terminal can be mounted directly to the ground (or concrete island) or to a pre-fabricated foundation.

570 mm
450 mm
500 mm
1050 mm
400 mm
480 mm
430 mm

Technical specifications:

Power supply	:	120 / 230VAC
Power consumption	:	100VA (without heater)
Heater	:	250 / 400VA
Open command	:	24V / 1A
Close command	:	24V / 1A
In / out of order	:	24V / 1A
Ful l/ pre-full	:	24V / 1A

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WPS-BC200 2
Exit terminal

The machine readable BC200 2 exit terminal is the controlling device at the exit of an off-street parking facility and processes daily tickets and subscriber cards.

Processing data

The exit terminal is equipped with a universal micro-processor board (MPB) to process the data generated from every type of transaction. A built-in battery back up retains transactions and clock functions.

Processing daily parkers and subscribers

- The barcode insertion reader automatically checks a parking customer's ticket, subscriber card and / or other issued ticket for validity and authorized exit. When the system is configured for "pay at exit", the entry ticket is read, the parking fee is calculated and payment is made by coin, chip- or credit card. Daily barcode tickets and several types of barcode discount tickets are swallowed.
- Proximity cards or tags are processed by a contact-less reader which reads from a distance up to 100 mm (Short Range).
- The hands free system uses an antenna to process sub-scriber transponders, which are generally fitted to the inside of a car's windshield. This enables the transponder to be read up to 10m (Long Range) away.
- Chip and / or credit cards (specified per country) are processed by one insertion reader. A printer issues receipts for credit card payments at request or automatically.

Communication, security and customer assistance

A two-way voice intercom station is a common feature on every terminal. This allows patrons to contact parking lot management when assistance is needed. The level of customer service can be enhanced with a CCTV image that is generated using a pinhole camera in the station. Parkview, a two-way video option, can be integrated with the intercom in the station.

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Information

- The exit terminal comes equipped with a standard LCD display that has two lines of programmable text with 20 characters each. An optional advanced TFT screen (Parkview Display) offers the ability to display advertising, detailed instructions and video images.
- The exit terminal comes equipped with plain black decoration panels on each side. These can be upgraded to include an illuminated panel that provides additional customer information or advertising.
- The fascia plate is constructed of aluminium and lexan and clearly directs customers through transactions with text and symbols.

Housing

The exit terminal housing (including service door with security lock at the rear) is constructed from 2mm (14 gauge) stainless steel to ensure an attractive, corrosion free appearance throughout its long life. The standard paint finish is RAL 9007 grey. BC200 2 cabinets are available in a wide range of optional RAL colours. A built in vibration sensor detects any vandalism attempts and immediately reports incidents to the management computer.
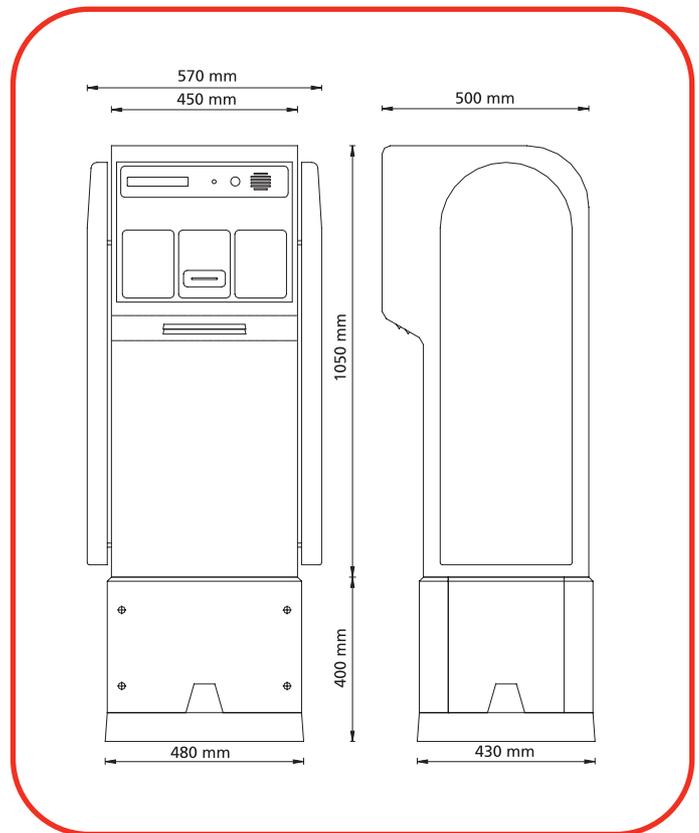
Vehicle detection

The BC200 2 exit terminal can be equipped with a vehicle detector which is used to arm the terminal for use only when a vehicle is present. Multi-loop directional logic can be incorporated.

Temperature control

A thermostatically controlled heater regulates internal temperature. An optional cold weather insulation kit and / or warm weather cooling fans can be installed in the station.

Mounting

The exit terminal can be mounted directly to the ground (or concrete island) or to a pre-fabricated foundation.

570 mm
450 mm
500 mm
1050 mm
400 mm
480 mm
430 mm

Technical specifications:

Power supply	: 120 / 230VAC
Power consumption	: 100VA (without heater)
Heater	: 250 / 400VA
Open command	: 24V / 1A
Close command	: 24V / 1A
In / out of order	: 24V / 1A
Full / pre-full	: 24V / 1A

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WPS-BC200 2
Pay on foot station

The machine readable self serve pay on foot station is the automatic payment device located strategically around the parking facility to enable parkers to pay the fee due before returning to their vehicle. The customer friendly terminal guides users step-by-step through the payment transaction. The pay on foot station interfaces with the BC200 2 entry terminal and express exit terminal as part of a complete on-line revenue control system for your parking facility.

Processing data
The pay on foot station is equipped with a microprocessor board (MPB) which is universal in all BC200 2 terminals.

Processing coins
The coin acceptance mechanism accepts up to eight different coin denominations and dispenses change in four. A receipt is issued on request. Four coin types are recycled into the coin dispensing tubes to replenish the number of coins available for change. When the change tubes are full, additional coins fall directly into the locked coin vault. Optional coin hoppers can be added to the station when a high volume of change in coins is required.

Processing banknotes
The superior quality banknote reader accepts bills that are specified in the BC200 software for each system. Valid notes are ingested by the reader and are placed in a self stacking vault. Receipts are issued upon request. An optional banknote dispenser can be added to the station to provide change in bills.

Processing barcode tickets
The barcode insertion reader scans the entry ticket. The station computes the fee and validates the ticket for exit within a pre-determined grace period once the correct fee has been paid. Barcode discount coupons are read in conjunction with a ticket. Value cards can be replenished at the pay on foot station.

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Processing chip / credit cards (specified per country)

Chip and / or credit cards are processed by one insertion reader. Credit card processing is done through an interface to an approved clearing house or other credit card processing system. Receipts are issued upon request or automatically.

Communication, security and customer assistance

A two-way voice intercom station is a common feature on every terminal. This allows patrons to contact parking lot management when assistance is needed. The level of customer service can be enhanced with a CCTV image that is generated using a pinhole camera in the station. The option to integrate the intercom with a two-way video solution is available with the Parkview system.

Information

■ The pay on foot station is equipped with a standard flat screen display to prompt users through 16 programmable levels of transaction messaging. An optional advanced TFT screen (Parkview Display) offers the ability to display more than just transaction information such as advertising, more detailed instructions and video images.

■ The fascia plate is constructed of aluminium and lexan and clearly directs customers through transactions with text and symbols.

Housing

The pay on foot station housing is constructed from 2mm (14 gauge) stainless steel to ensure an attractive corrosion free appearance throughout its long life. The standard finish is RAL 9007 grey. BC200 2 cabinets are available in a wide range of optional RAL colours. Plain black decoration panels are fitted to each side of the station cabinet. A shorter pay on foot station is also available to meet the requirements of the Disability Discrimination Act.

Miscellaneous

The pay on foot station can be equipped with several options such as a multiple language button, certified or electronic lock, transaction cancel button and thermo-statically controlled heater.

Mounting

The pay on foot station can be mounted to the floor or to a pre-fabricated foundation.
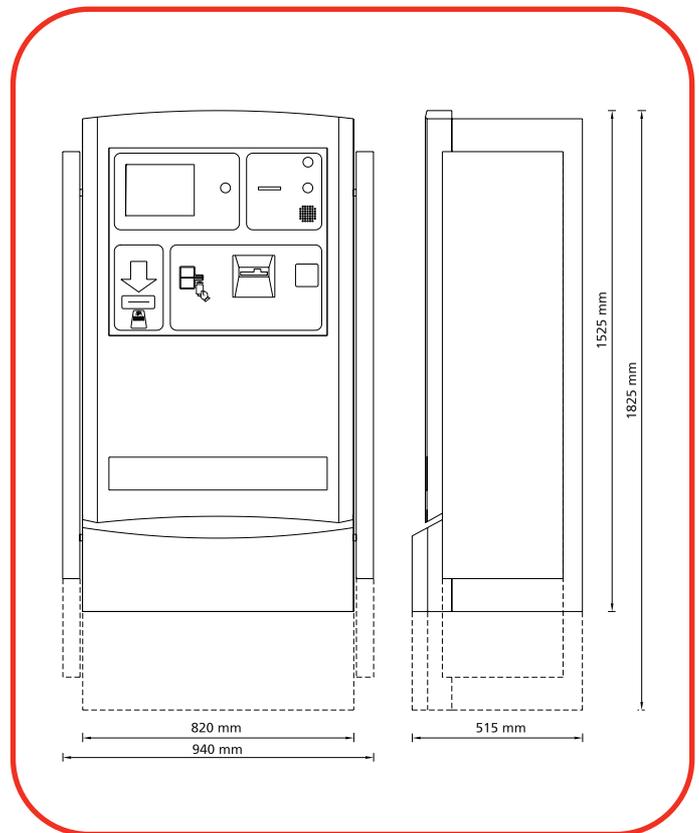
1525 mm
1825 mm
820 mm
940 mm
515 mm

Technical specifications:

Power supply   : 120 / 230VAC
Power consumption   : 250VA
Heater   : 400VA

WPS-BC200 2
Manual pay station

The manual pay station is the system device used to process manual payment methods.

Processing data / controller box

The central controller box houses a microprocessor board (MPB) which is universal in all BC200 2 terminals.

Desktop control panel / processing barcode tickets

The desktop control panel contains 6 pushbuttons for several functions and a barcode insertion reader for processing subscriber barcode cards and daily barcode tickets. Optionally the barcode insertion reader can be replaced by a proximity version.

Processing chip / credit cards (specified per country)

One single reader (insertion) can be applied to process chip and / or credit cards (specified per country).

Information

The manual pay station is standard equipped with a standard 2x20 lines LCD display to provide parking information.

Printer

A printer issues the required shift reports and receipts.
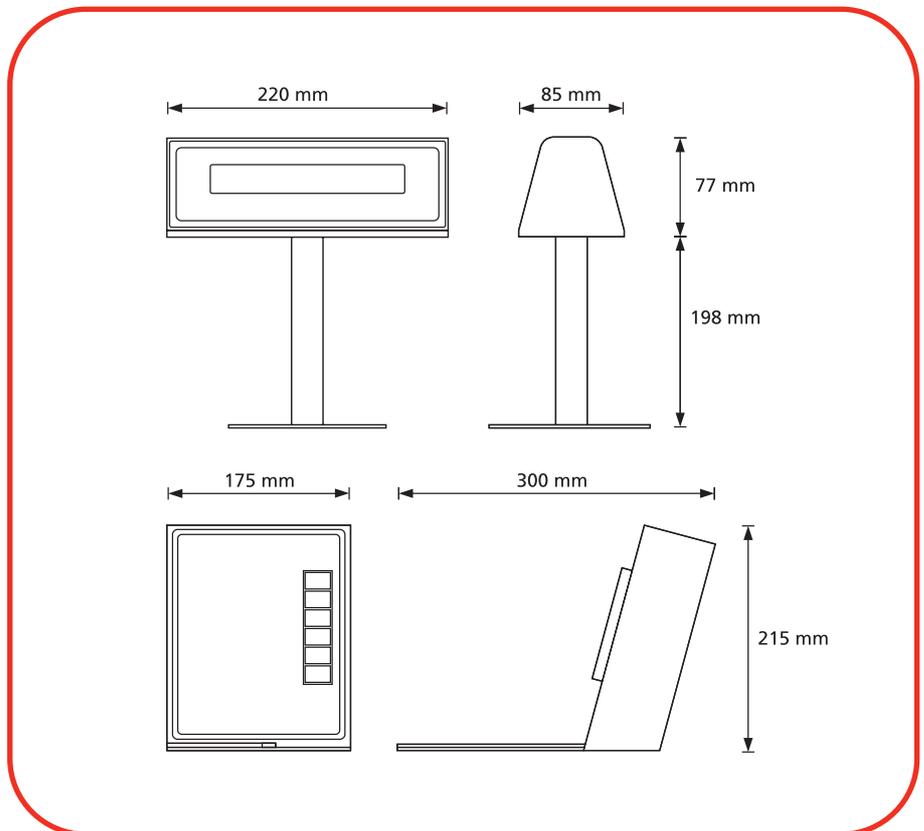
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Configuration exit cashiering

The manual pay station can be configured for exit cashiering. In this case, the following subscribers can also be processed:

- proximity cards or tags are processed by a contactless reader which is reads from a distance up to 100 mm (Short Range).
- the hands free system uses an antenna to process subscriber transponders, which are generally fitted to the inside of a car's windshield. This enables the transponder to be read up to 10m (Long Range) away.

Cash drawer

The manual pay station can be equipped with a cash drawer.

Technical specifications:

Power supply	: 120 / 230VAC
Power consumption	: 100VA
Open command	: 24V / 1A
Close command	: 24V / 1A
Controller box	: 600 x 400 x 200 mm

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WPS-BC200 2
Central data registration system

The central data registration system is the central control station through which the PC manages, controls and programs the wide range of functions available in the BC200 2 parking control system.

Processing data / controller box

The central controller box houses the universal micro processor board (MPB) that processes the data gathered from all the system nodes.

WPS BC200 version 7 software

The modular BC200 version 7 software communicates with all system devices to provide accurate, real-time information. By selecting the appropriate software modules, software can be tailored to meet the operational requirements of each site. Additional modules can be added when system enhancements are required. Typical software modules include:

- control panel: *monitor transactions and system functionality*
- processing of daily parkers: *revenue control*
- processing of subscribers: *access control groups and time zones*
- print menu: *generate access control cards and discount coupons*
- alarms: *monitor system alarms*
- statistics: *review transaction information*
- reports: *generate an extensive array of revenue and management reports*
- shared accounts: *group different types of access control users into one account*
- discounts: *provide various discount types*
- invoicing: *generate invoices for access control users*
- counters: *monitor parking space availability for the entire system and by level/lot*
- multiple rate structures: *flexible fee management*
- networking: *access system information from a remote location*

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Management unit

The management PC is equipped with the Windows NT / XP platform and has the ability to exchange data via ASCII or ODBC. A network card or modem / ISDN card can be connected to the PC for performing remote diagnostics or tariff upgrades and setting modifications. A proximity card reader or credit card reader can be connected to the PC to enable the programming of proximity cards or credit cards into the system. A standard laser printer is used to produce management, audit and statistical reports. It is also used for the production of customized pass cards, value cards, and free exit or discount coupons. Specialized high speed printers can also be used for the high volume production of ISO type cards.

Technical specifications:

Power supply   : 120 / 230VAC
Power consumption : 100VA
Full/free   : 24V / 1A
Controller box   : 600 x 400 x 200 mm

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WPS-BC200 2
Slim line
pay on foot station

The machine readable self-serve slim line pay on foot station is the automatic electronic payment device located strategically around the parking facility to enable a parkers to pay the fee due before returning to their vehicle. It is a cashless machine accepting only payment made with either a chip or credit card (electronic payment). The customer friendly terminal guides users step-by-step through the payment transaction and interfaces with the BC200 2 entry and express exit terminal as part of a complete on-line revenue control system for your parking facility.

Processing data
The slim line pay on foot station is equipped with a microprocessor board (MPB) which is universal in all BC200 2 terminals.

Processing barcode tickets
The barcode insertion reader scans the entry ticket. The station computes the fee and validates the ticket for exit within a pre-determined grace period once the correct fee has been paid. Value cards can be replenished at the slim line pay on foot station.

Processing chip / credit cards (specified per country)
Chip and / or credit cards are processed using a single insertion reader. Credit card processing is accomplished through an interface to an approved clearing house or other credit card processing system. Receipts are issued upon request or automatically.

Communication, security and customer assistance
A two-way voice intercom station is a common feature on every terminal. This allows patrons to contact parking lot management when assistance is needed. The level of customer service can be enhanced with a CCTV image that is generated using a pinhole camera in the station. The option to integrate the intercom with a two-way video solution is available with the Parkview system.

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Information
■ The slim line pay on foot station comes equipped with a standard LCD display that has two lines of programmable text with 20 characters each. It can be upgraded with an optional advanced TFT screen (Parkview Display) which offers the ability to display additional information such as advertising, detailed instructions and video images.

■ The fascia plate is constructed of aluminum and lexan and guides customers through transactions with text and symbols.
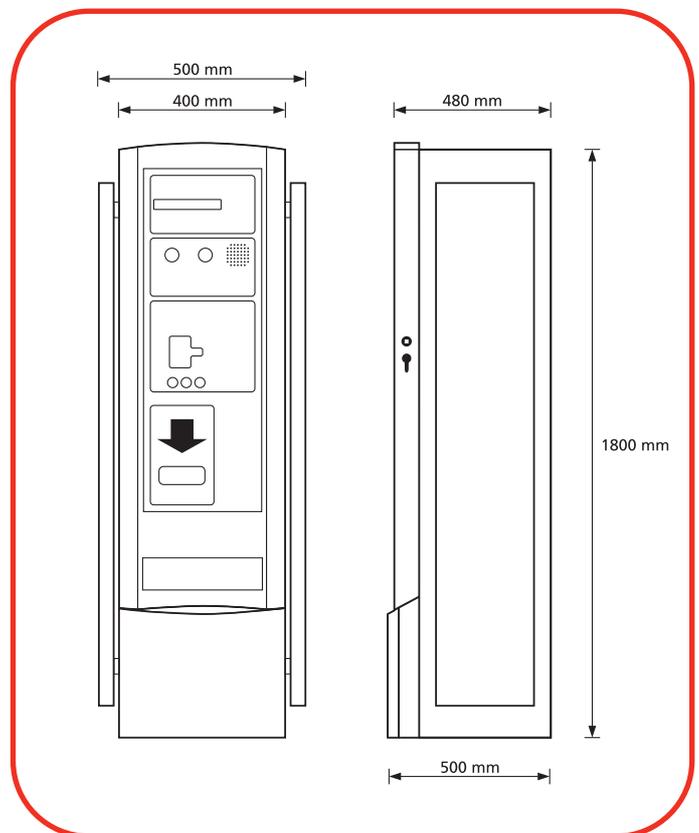
Housing
The slim line pay on foot station housing is constructed from 2 mm (14 gauge) stainless steel to ensure an attractive corrosion free appearance throughout its long life. The standard paint finish is RAL 9007 grey. BC200 2 cabinets are available in a wide range of optional RAL colours. Plain black decoration panels are fitted to each side of the station cabinet.

Miscellaneous
The slim line pay on foot station can be equipped with several options such as a multiple language button, certified lock, transaction cancel button and thermo-statically controlled heater.

Mounting
The slim line pay on foot station can be mounted to the floor or to a pre-fabricated foundation.

500 mm
400 mm
480 mm
1800 mm
500 mm

Technical specifications:

Power supply : 120 / 230VAC
Power consumption : 250VA
Heater : 400VA

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