

WINCOR NIXDORF

PRO CASH 2050

2400 Grand Avenue Parkway, Suite 103, Austin, Texas 78728-3951, 1-800-777-1511

SPECIFICATIONS

PC 2050

Physical Security

This ATM meets the following Security standards EN 60950 / VDE 0805 DIN, UL60950, UL 1950, and meets the attack test per UL 291-15, CSA90650, CSA C22.2 No. 950, IEC 60950. The safe door has a relocking feature. The controlling of safe door is by keys, combination lock with keys or optional electronic lock.

Alarm Protection

The UL - listed safe is equipped with a basic alarm sensor package. The package includes a safe, cabinet door open switch. Optional seismic sensor.

Power Requirements

This ATM meets the following EMC standards EN 55022 class B, EN 55024, EN50082-1 and 2, EN61000-3-2,EN61000-3-3, FCC CFR 47, part 15 subpart B class A, ICES-003 (CSA 108.8) and BSMI-Standard CNS 13438 class B.

The CE symbol indicates that the product complies with the following EU directives. EMC 89/336/ECC 91/263/ECC, 92/31/ECC and 93/68/ECC and on Low voltage directive/security 73/23/ECC and 93/68/ECC.

The ATM requires a single-phase three-wire unswitched power outlet. Wiring to the ATM must use a third-wired earth ground (conduit ground is not acceptable). The power supplied must be as specified below:

110-120 VAC (-10% - +6%) at 50/60 Hz (+/- 1%), single phase
or
220-240 VAC (-10% - +6%) at 50/60 Hz (+/- 1%), single phase

Network structure

Power to the ATM may be a branch or dedicated service and must be protected by a safety quick-disconnect device the break line voltage (such a circuit breaker at the electrical service panel). The quick disconnect device (or circuit breaker) must turn off the line voltage at the amperage specified below.

Fuse 110-120 VAC service, disconnect at 20 amps
or
Fuse 220-240- VAC service, disconnect at 10 amps

Degree of Protection (DIN VDE 0470 T1)

Other electronic devices sharing power on a common branch circuit must conform to the same conducted interference standards as the ATM.

Power Usage for ATM with out Heating

Rated Current Consumption (Maximum Operation) 110-120 / 220-240 VAC
Apparent Power Consumption (Maximum Operation) 110-120 / 220/240 VAC
Real Output
Power factor
Protection Class
Leakage Current (Maximum)
Apparent power consumption open circuit
Connection to power source (Country specific grounded safety plug)

Power Usage for ATM with Heating

Rated Current consumption (Maximum Operation) 110-120 / 220-240 VAC
Apparent power consumption (Maximum Operation) 110-120 / 220/240 VAC
Real Output
Power Factor
Protection Class
Leakage Current (Maximum)
Standby Power Consumption (no transaction)

Finish

Fascia painted standard WN Grey (option any NCS or RAL color or stainless steel)
Housing (Top Cover) painted standard WN Grey (option any NCS or RAL color)
Safe painted standard Grey (option any NCS or RAL color)

Heat Output

With out Heater
With Heater

Operating Environment (DIN EN 60721 (IEC 721)

Temperature, Safe location Class 3K2 (Inside) 15 to 35 C (59 to 95 F)
Relative Humidity (Non Condensing) (Inside) 10 to 75%
Temperature, Fascia location (Outside) -40 to 55 C (-40 to 131 F)
Relative Humidity (Non Condensing) (Outside)
Temperature, Limited range of Operation (Only a short time of Operation Class 3K3)
5 to 40 C (41 to 104 F)
Relative Humidity, Limited range of Operation (Only a short time of Operation Class 3K3) 5 to 85%
Transport Class 2K2, Temperature -25 to 60 C (-13 to 140 F)
Transport Class 2K2, Relative Humidity 15 to 98%
Storage Class 1K2, Temperature 5 to 40 C (41 to 104 F)
Storage Class 1K2, Relative Humidity 5 to 85%

✓

✓

✓

✓

✓

✓

✓

TN

✓

✓

✓

NA

✓

4 / 2 A

380 VA

340 W

NA

I

2.7 mA

NA

USA

6.6 / 3.3 A

705 VA

680 VA

NA

I

2.7 mA

NA

✓

✓

✓

✓

✓

✓

NA

✓

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✓

✓

✓

SPECIFICATIONS

Mechanical Environment (DIN EN 60721 (DIN IEC 721)

Operation Standalone Unit Class 3M2
Operation Desktop Unit Class 3M3
Transport (In Original Packing, on vehicle, trailer, boat, train, and air) Class 2M2
Storage (In Original Packing) Class 1M3

Environment Protection (SN3230/1)

Environmental Protection (Recycling)

Noise emission in accordance with DIN EN 27779

Noise rating according to ISO 9296

Sound power level LWAd Standby/Operation
Work place specific Sound pressure level LpAm Standby/Operation

Dimensions and Weight of Unit

Height
Height PCC 1 Desktop
Height PCC 2 Desktop
Recommended Installation Height
Width
Depth
Depth PCC Rear load
Depth with fascia frame (Wooden Support table PC 2000/2100)
Weight UL 291 safe
Weight UL 291 Business Hours, 4 cass
Weight UL 291 safe PCC 1
Weight UL 291 safe PCC 2
Surface Load UL 291 safe
Surface Load UL 291 safe PCC 1 Desktop
Surface Load UL 291 safe PCC 2 Desktop
Surface Load UL 291 safe PCC 1 on Pedestal
Surface Load UL 291 safe PCC 2 on Pedestal
Surface Load UL 291 Business Hours 4 cass
Weight Strongbox safe PCC 1
Weight Strongbox safe PCC 2
Surface Load Strongbox safe PCC 1 Desktop
Surface Load Strongbox safe PCC 2 Desktop
Surface Load Strongbox safe PCC 1 on Pedestal
Surface Load Strongbox safe PCC 2 on Pedestal
Foot print
Foot print PCC on Pedestal
Operation and Maintenance Area (Front Load)
Operation and Maintenance Area (Rear Load)
Fan Capacity

For more details regarding installation not covered in this Lithio we refer to the, References Installation Guide order no. 01750026107 E

Drawings are not drawn to scale

All Dimensions in Millimeter and (Inches), Weight in Kilo and (Pound)

All Dimensions, Weight and Design, is subject to changes without notice.

For optimal installation the inside floor level and the outside floor level has to be the same, if not adjustment has to be done according to the height difference.

PC 2050

✓

NA

✓

✓

✓

6.0 B / 6.8 B
41 / 50 dB

1500 mm (59.05")

NA

NA

900 mm (35.43")

600 mm (23.62")

848 mm (33.38")

NA

1208 mm (47.55")

640 kg (1411 lb)

NA

NA

12.5 kN/m2 (1.81 lb/in2)

NA

0.5 m2 (5.38 ft2)

NA

NA

1 m2 (10.76 ft2)

60 m3/h (2119 ft3/h)

GENERAL SPECIFICATIONS

Signal Cable run constraints

The following chart sitemizes the physical spacing requirements of the signal cable run with respect to other power and electrical equipment cable run.

Type of electrical run	Power of electrical run		
	Below 2 KVA	Between 2-5 KVA	Above 5 KVA
Fluorescent, neon incandescent lighting fixture	127 mm (5")	127 mm (5")	127 mm (5")
Unshielded power line or electrical equipment	127 mm (5")	305 mm (12")	610 mm (2' -0")
Unshielded power line or electrical equipment with signal cables enclosed in grounded conduit	64 mm (2 1/2")	152 mm (6")	305 mm (12")
Power lines in grounded conduit with signal cables in grounded conduit	30 mm 1 3/16")	76 mm (3")	152 mm (6")

Signal Cable Installation constraints

Relative care is required when installing signal cables in conduits. Unlike power and lightening cables, signal cables have small conductors and light insulations and will not withstand as much strain in installation. The following chart summarizes some common conduit parameters. The sum of cross-sectional areas of cables being installed in conduit should not exceed 40% of the area of the conduit.

Conduit size (inches)	Internal diameter (inches)	Area square inches			
		100%	40%	33%	25%
1/2"	0.622	0.3	0.12	0.099	0.075
3/4"	0.824	0.53	0.21	0.175	0.132
1"	1.049	0.86	0.34	0.283	0.215
1 1/4"	1.38	1.5	0.6	0.495	0.375
1 1/2"	1.61	2.04	0.81	0.679	0.51
2"	2.067	3.36	1.34	1.109	0.84

For conduit runs 15.25 meters to 30.5 meters (50 to 100 feet), not more than 33% of conduit area should be used. Each 90 degree conduit bend may be estimated as equal to the friction of a 9.15 meters (30 foot) length straight level conduit. If more than two 90 degree bends are used in conduit run, insert a pull box.

Electro static discharge

Static electricity charges are built up as a result of contact with certain floor covering and furniture. A discharge of this build up can cause discomfort to people and possible interference with electronic devices. The following precautions should be taken whenever possible to reduce the chance of static discharge problems. Avoid relative humidity values les than 40%. Treat floor covering around electronic equipment with static reducing agents commercially available.

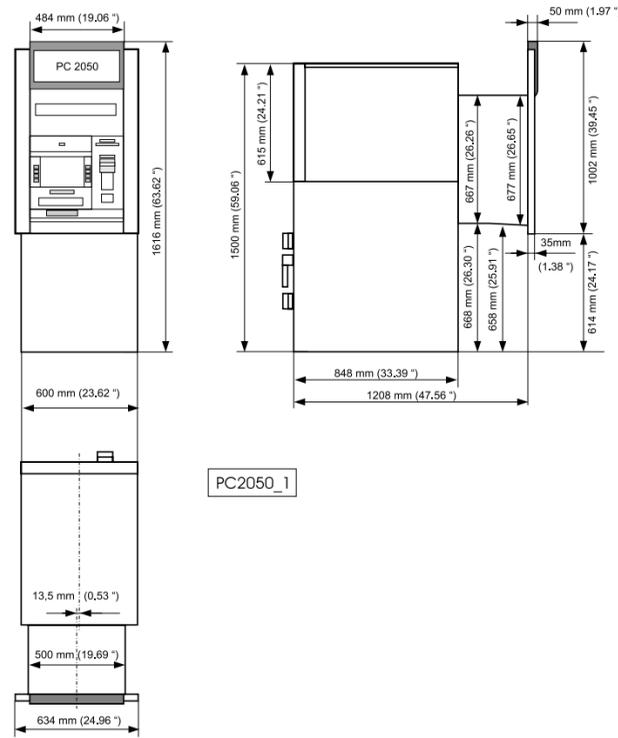
External cabling

Please refer to the appropriate ATM Installation Guide for details for terminal cable access. Junction boxes, conduit, etc, are the responsibility of the customer. Local codes will dictate location and material to be used in electrical connections.

Negative pressure constraints

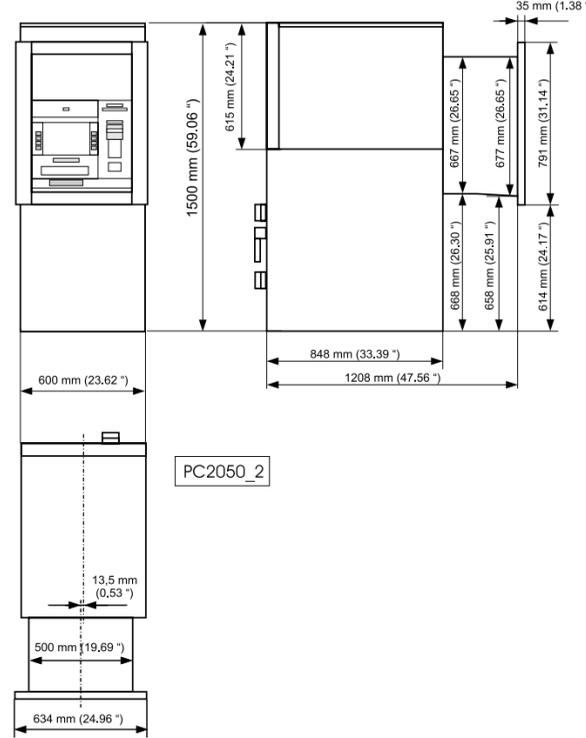
To prevent cold weather operating problems due to induction of outside air and accompanying incursion of dirt, ATM should be housed in a positive pressure environment, however negative (vacuum) not exceeding (.05") H20 is acceptable. Tall buildings are especially prone to having negative pressure values greater than (.05") special engineering will be required if this specified pressure is exceeded.

PC 2050 with Logo

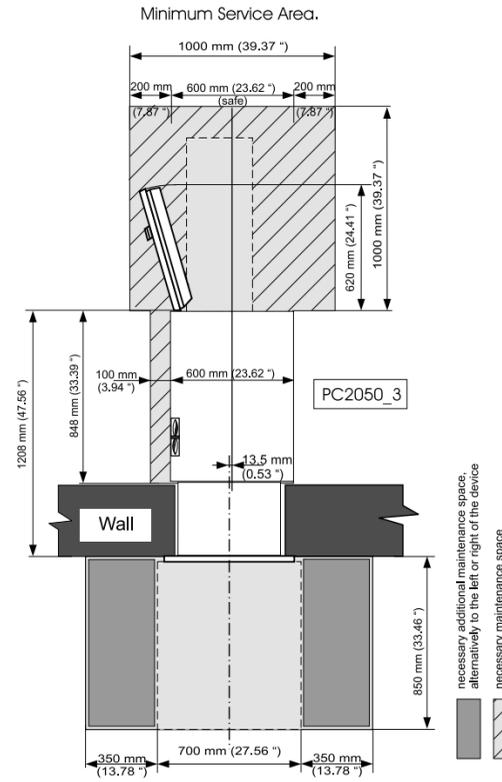


PC2050_1

PC 2050 without Logo

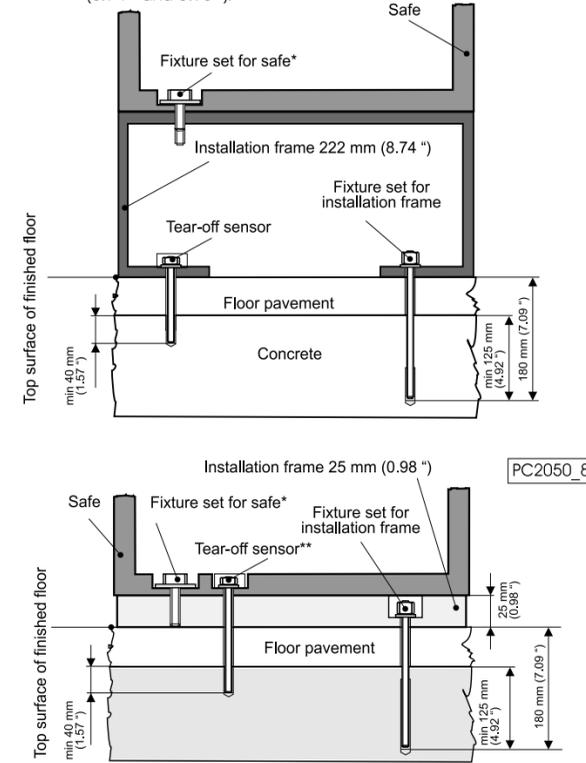


PC2050_2



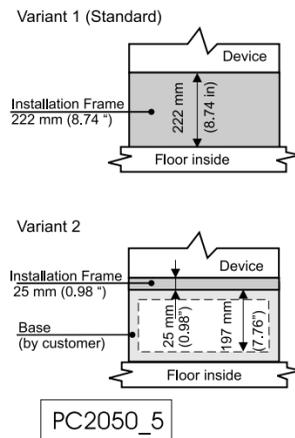
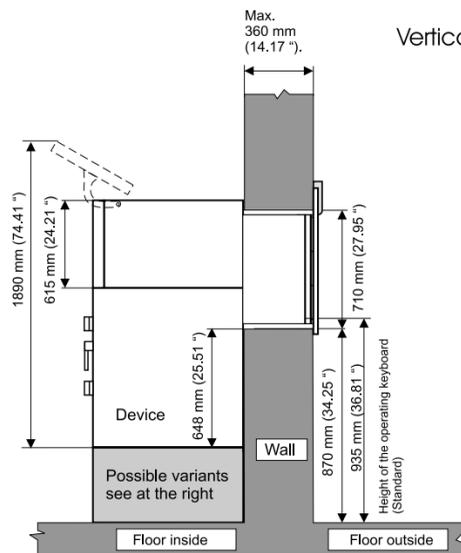
necessary additional maintenance space, alternatively to the left or right of the device
necessary maintenance space

Drill templet for Installation Frame 222mm and 25 mm (8.74" and 0.98").



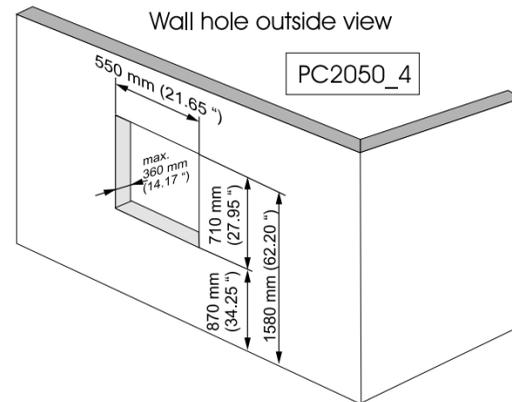
PC2050_8

Vertical view of wall installation.



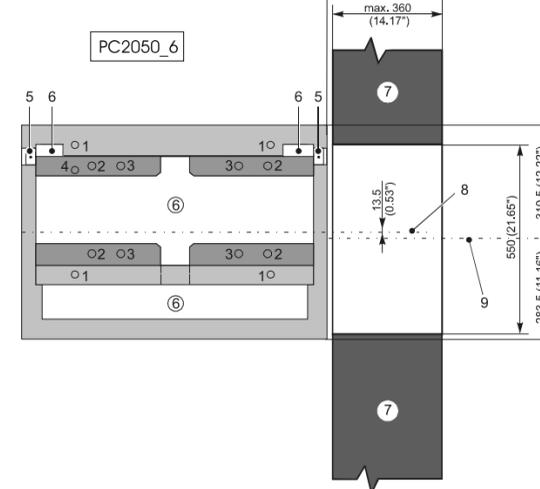
PC2050_5

Wall hole outside view



PC2050_4

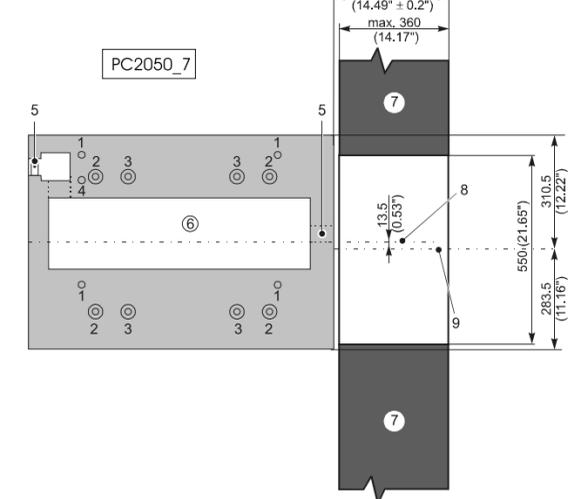
Installation frame 222 mm (8.74")



PC2050_6

- 1 Attachment points of safe
- 2 Attachment points of installation frame
- 3 Alternative attachment points of installation frame
- 4 Attachment point of tear-off sensor
- 5 Cable exit points
- 6 Area for cables
- 7 Wall
- 8 Center of installation frame
- 9 Center of wall opening

Installation frame 25 mm (0.98")



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