



NCR SelfServ™ 22e ATM

Site Preparation

B006-6902-D000

April 2012

EMC COMPLIANCE

Federal Communications Commission (FCC) Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Canadian Class A Device Declaration

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

EU EMC Directive 2004/108/EC

This equipment has been found to comply with the essential requirements of EMC Directive 2004/108EC, by testing to harmonized standard, EN55022 and EN55024. The equipment complies with the limits for a Class A digital device, pursuant to EN55022.

This is a Class A product, in a domestic/residential environment this product may cause radio interference in which case the user may be required to take adequate measures.

Information to User

This equipment must be installed and used in strict accordance with the manufacturer's instructions. However, there is no guarantee that interference to radio communications will not occur in a particular commercial installation. If this equipment does cause interference, which can be determined by turning the equipment off and on, the user is encouraged to consult an NCR service representative immediately.

CAUTION

NCR Corporation is not responsible for any radio or television interference caused by unauthorised modifications of this equipment or the substitution or attachment of connecting cables and equipment other than those specified by NCR. Such unauthorized modifications, substitutions, or attachments may void the user's authority to operate the equipment. The correction of interference caused by such unauthorized modifications, substitutions, or attachments will be the responsibility of the user.

The ATM complies with the following Electromagnetic Compatibility (EMC) directives and standards for IT equipment:

- 2004/108/EC 'EMC Directive'
- 93/68/EEC 'CE Marking Directive'.

For further information, refer to the *Electromagnetic Compatibility (EMC) and Safety* section.

NOTICE

This is a contractual document. It contains important warnings and confers important legal rights and obligations. You are advised to read it carefully.

It is the responsibility of the customer to assure that all installation preparations are complete and in compliance with all specifications and requirements of NCR and all applicable national, state, or local codes, regulations and laws.

The product described in this book is a licensed product of NCR Corporation.

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It is the policy of NCR Corporation (NCR) to improve products as new technology, components, software, and firmware become available. NCR, therefore, reserves the right to change specifications without prior notice.

All features, functions, and operations described herein may not be marketed by NCR in all parts of the world. In some instances, photographs are of equipment prototypes. Therefore, before using this document, consult with your NCR representative or NCR office for information that is applicable and current.

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NCR SelfServ 22e ATM Site Preparation

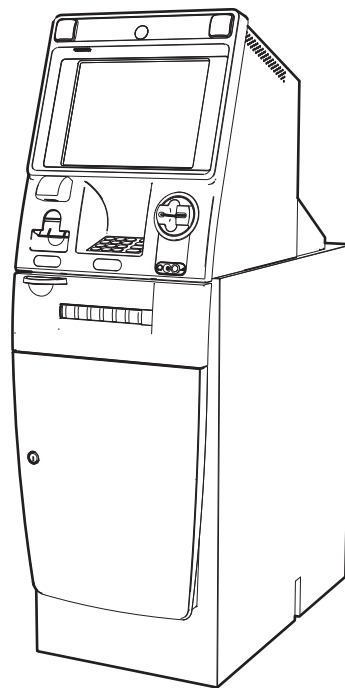
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NCR SelfServ 22e ATM Site Preparation

INTRODUCTION



The NCR SelfServ 22e is a free-standing, interior ATM available in both front and rear access variants.

Note 1: All dimensions are rounded to the nearest millimetre unless otherwise specified.

Note 2: Unless specified all dimensions apply to both front and rear access ATMs.

How to Use This Site Preparation Bookset

The site preparation is part of the *NCR SelfServ 22e ATM Site Preparation Bookset*. It acts both as a specifications book, and also as a gateway to the other book in the bookset, which is:

- *NCR SelfServ 22, 22e, 25, 26, 28, 31 and 36 Site Requirements* (B006-6669)

Purpose and Audience

This book is intended for architects and those responsible for preparing a site prior to the arrival of the ATM.

Site Compliance

This bookset contains the information necessary for the preparation of a site conforming to NCR specifications. It is very important that the site complies with the requirements specified in this bookset, because, once the equipment has been installed, deficiencies in site preparation or the problems caused by these deficiencies are much more difficult to detect and correct. Further, failure to comply with these requirements or to take proper steps to protect equipment against risks identified in this bookset may cause serious damage to the equipment and to the customer's business.

In addition to the need to comply with the requirements specified, electrical wiring and mechanical systems must also comply with all relevant codes, laws and regulations.

It is important that the site be prepared by a customer or his agent who is fully conversant with the special requirements of electronic equipment. The responsibility for ensuring that the site is prepared in compliance with this bookset remains with the customer.

For information and guidance purposes only, a list is provided, in general terms, of those matters for which the customer is responsible. This list is not intended to be comprehensive, and in no way modifies, alters, or limits the responsibility of the customer for all aspects of adequate site preparation.

NCR staff will be available to answer questions relating to the contents of this bookset but, except where:

- a the customer has been notified that a full or partial consultancy service is available and/or that NCR will be willing to undertake a preliminary or final site survey and
- b the customer shall have entered into a formal contract with NCR for provision of the same

no comment, suggestion or advice offered or not offered about preparation of the site nor any inspection of the site whether before or after preparation is to be taken as approval of the location of the site and equipment or of its preparation and NCR will not be liable in respect of any comment, suggestion or advice given by its staff or in respect of any failure to give advice.

Finally, only the customer can know the full extent of damage which may be caused to his business by reason of failure of the equipment which is to be installed. For this reason it is the customer's responsibility to ascertain the extent of any such possible damage to his existing or planned business, and to effect, full insurance in respect of it.


Customer Responsibilities

The customer must do or provide the following:

- When required by NCR, provide the NCR customer service representative with appropriate drawings that indicate:
 - Location of the equipment
 - Site wiring (power and signal, paths and lengths)
 - Location of other equipment capable of generating electrical noise, electromagnetic interference, heat, etc.
- Make building alterations necessary to meet wiring and other site requirements.
- Provide and install all communications cables, wall jacks, special connectors, and associated hardware.
- Provide and install necessary power distribution boxes, conduits, grounds, lightning protection, and associated hardware.
- Make sure all applicable codes, regulations and laws (including, but not limited to, electrical, building, safety, and health) are met.
- Provide and install auxiliary power or other equipment as required.
- Provide storage or service areas as required.
- Make sure the environmental requirements of the system/unit are met.
- Provide floor coverings and environmental systems that limit or control static electricity build-up and discharge.
- Install the product at a height which meets the accessibility regulations of the relevant country.
- Early SelfServ 22e ATMs do not have a power disconnect device (e.g. on/off switch). If the ATM does not have the power switch shown in the [“Siting the ATM”](#) section then an easily accessible, switchable, mains socket is required to allow safe isolation from the power supply, resetting and power cycling of the ATM.

Product Identification

The illustration below is typical of the layout of the product identification label which is fixed inside the ATM.

		NCR NCR SelfServ™ 22e			
NCR Global Solutions Ltd.		Class: XXXX		Model: XXXX	
Made in UK		Tracer: XX - XX		Serial: XX - XXXXXXXX	
		Văc: XXX - XXXv		Hz: 50/60	
				A: X.X	
					
BANK EQUIPMENT CLASSIFIED BY UNDERWRITERS LABORATORIES INC. AS TO ELECTRICAL FIRE, SHOCK AND CASUALTY HAZARDS ONLY. IN ACCORDANCE WITH UL60950-1 583R		LR32207			
Manufactured: XXXXXX XXXX		C US		ACN 000 003 592	
Electromagnetic Compatibility This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.					
This apparatus does not exceed Class A limits for radio noise emissions set out in the Radio Interference Regulations of Canada. Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada					
Complies with FDA Radiation Performance Standards, 21 CFR Subchapter J					

The product is identified by the class, and a 4 digit model number. The serial number is unique to each ATM. The tracer number is used to identify where the ATM was built.

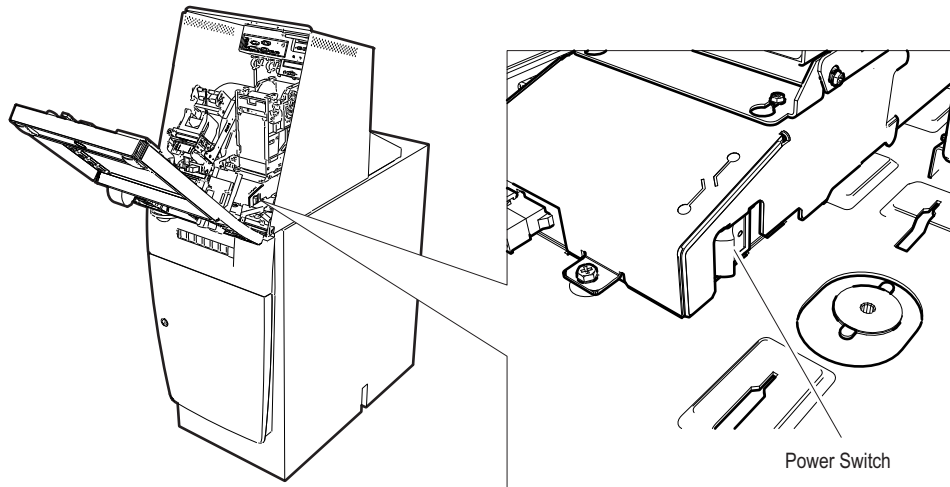
Please quote all of the serial and tracer numbers, including the prefix, when making reference to the ATM.

SITING THE ATM

The SelfServ 22e is only suitable for installation in an interior environment. It must be installed on a non-combustible, clean, solid, level surface capable of supporting the maximum weight of the device, including media, and be placed within easy reach of power outlets. It must also be positioned away from heat sources, direct sunlight or any air conditioning equipment.

Allow sufficient room for installation and servicing requirements.

Note: Early SelfServ 22e ATMs do not have a power disconnect device (on/off switch). If your ATM does not have the power switch shown below then an easily accessible, switchable, mains socket is required to allow safe isolation from the power supply, resetting and power cycling of the ATM.

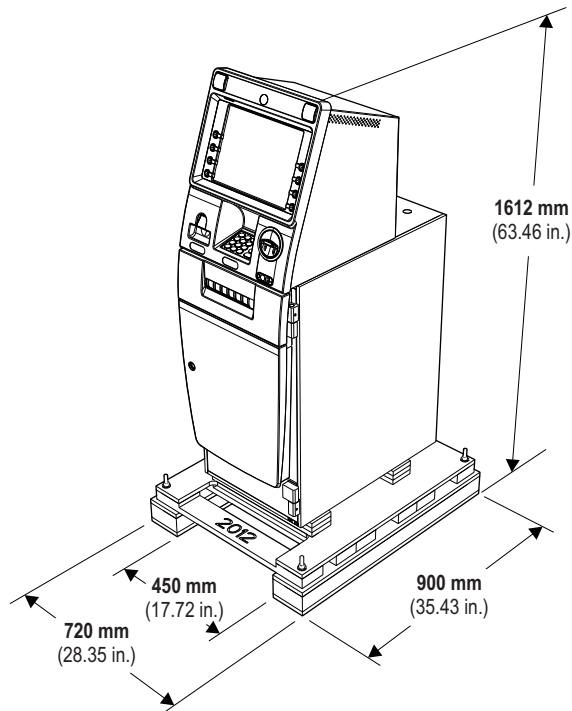


PACKAGE DIMENSIONS

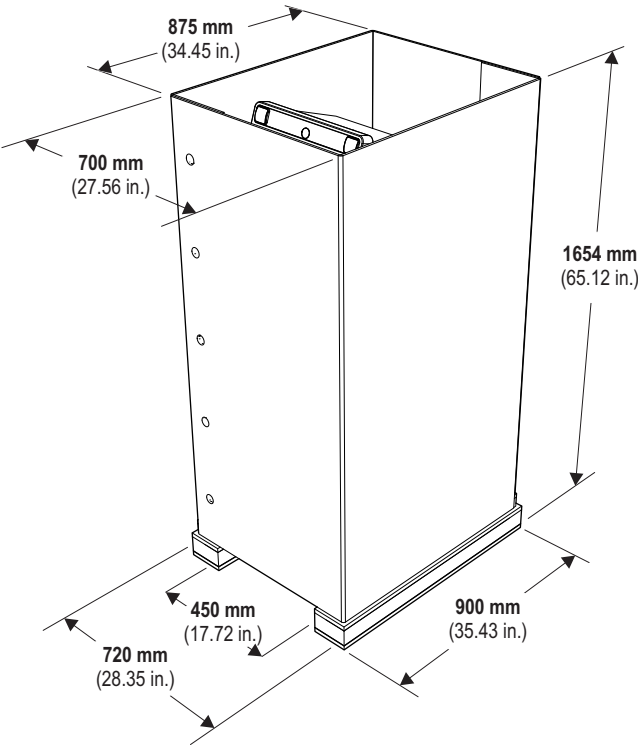
The dimensions of a packaged ATM, with and without the carton and lid, are shown in the following illustrations.

Front Access

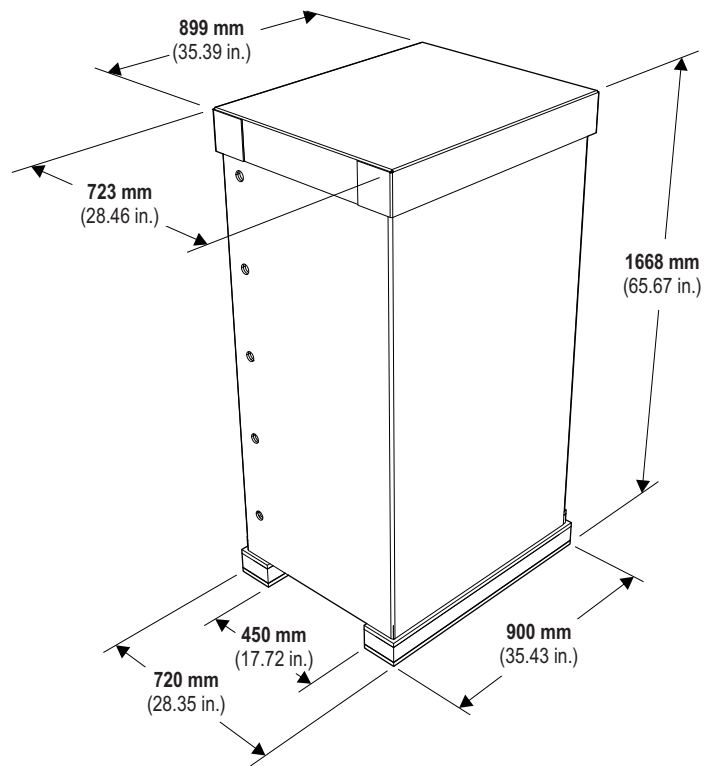
ATM with Pallet



ATM, Pallet and Carton

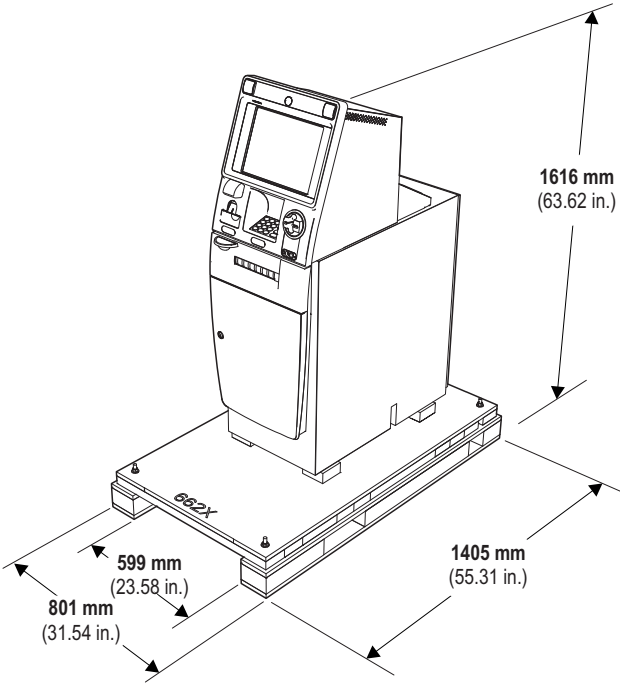


ATM, Pallet, Carton and Lid

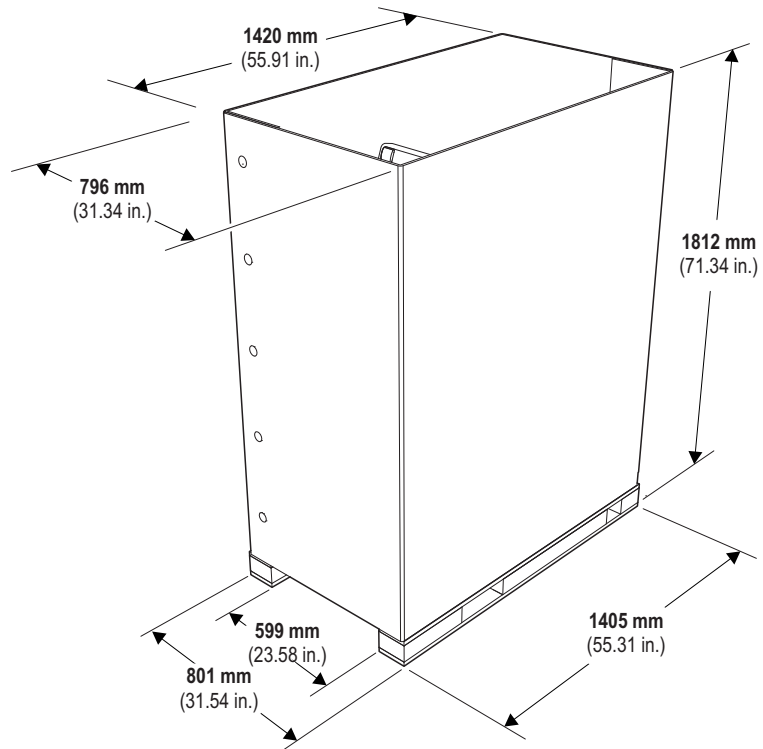


Rear Access

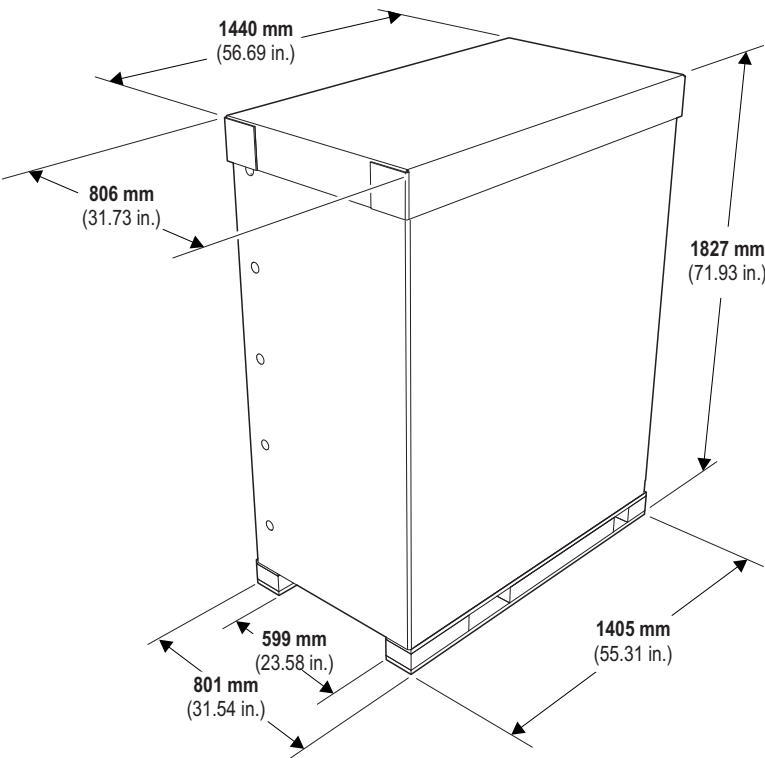
ATM with Pallet



ATM, Pallet and Carton



ATM, Pallet, Carton and Lid



MANOEUVRING THE ATM INTO POSITION

Ensure that doorways and corridors leading to your point of installation are wide enough to allow the package to pass through, or make arrangements to unpack the ATM in an area with sufficient access and then move it to the installation site. Also make sure that any corridors can support the weight of the ATM. Refer to [page 39](#) for the maximum weight of the ATM and its floor loading.

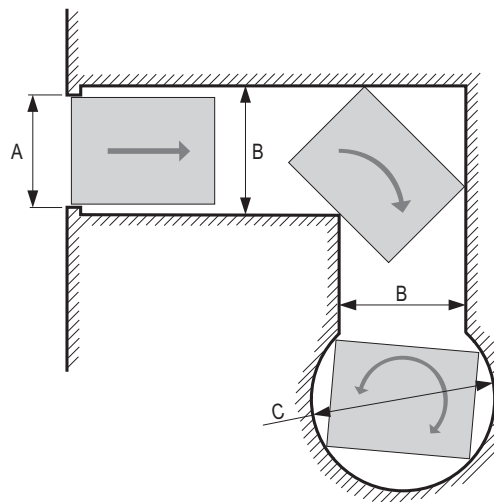
Front Access

Packaged ATM

The following table gives the **minimum** dimensions for doorways, corridors with right angle corners and the space required to rotate on its axis a **packaged** ATM.

Note 1: The dimensions assume the ATM is being moved using equipment that does not extend beyond the ATM or packaging.

Note 2: A surrounding clearance of **6 mm** (0.24 in.) has been allowed in the figures.



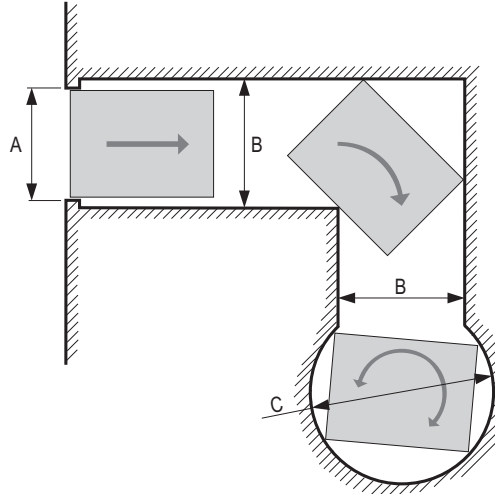
	Pallet, carton and lid	Pallet and carton or pallet without carton
A Doorway or straight corridor	735 mm (28.94 in.)	732 mm (28.82 in.)
B Corridor with corner	841 mm (33.00 in.)	839 mm (33.03 in.)
C Rotation about centre	1166 mm (45.91 in.)	1165 mm (45.87 in.)

Unpackaged ATM

The following table gives the **minimum** dimensions for doorways, corridors with right angle corners and the space required to rotate on its axis an **unpackaged front access** ATM.

Note 1: The dimensions assume the ATM is being moved using equipment that does not extend beyond the ATM or packaging.

Note 2: A surrounding clearance of **6 mm** (0.24 in.) has been allowed in the figures.



With Barcode Reader

	CEN Grade L or CEN Grade 1	UL 291 24 Hours Level 1	UL 291 Business Hours
A Doorway or straight corridor	462 mm (18.19 in.)	462 mm (18.19 in.)	462 mm (18.19 in.)
B Corridor with corner	619 mm (24.37 in.)	612 mm (24.09 in.)	609 mm (23.98 in.)
C Rotation about centre	943 mm (37.13 in.)	926 mm (36.46 in.)	917 mm (36.10 in.)

Without Barcode Reader

	CEN Grade L or CEN Grade 1	UL 291 24 Hours Level 1	UL 291 Business Hours
A Doorway or straight corridor	462 mm (18.19 in.)	462 mm (18.19 in.)	462 mm (18.19 in.)
B Corridor with corner	609 mm (23.98 in.)	602 mm (23.70 in.)	599 mm (23.58 in.)
C Rotation about centre	916 mm (36.06 in.)	899 mm (35.39 in.)	890 mm (35.04 in.)

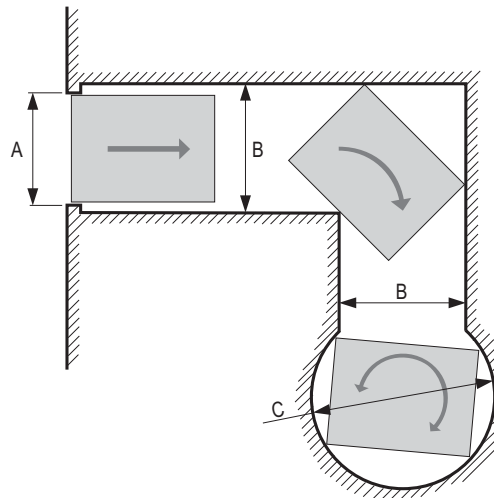
Rear Access

Packaged ATM

The following table gives the **minimum** dimensions for doorways, corridors with right angle corners and the space required to rotate on its axis a **packaged** ATM.

Note 1: The dimensions assume the ATM is being moved using equipment that does not extend beyond the ATM or packaging.

Note 2: A surrounding clearance of **6 mm** (0.24 in.) has been allowed in the figures.



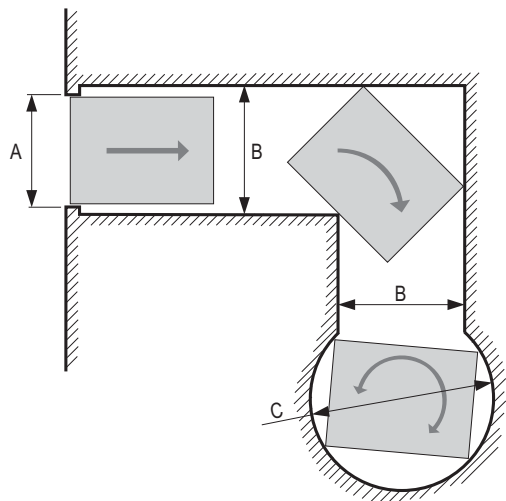
	Pallet, carton and lid	Pallet and carton	Pallet without carton
A Doorway or straight corridor	818 mm (32.20 in.)	813 mm (32.01 in.)	813 mm (32.01 in.)
B Corridor with corner	1091 mm (42.95 in.)	1080 mm (42.52 in.)	1075 mm (42.32 in.)
C Rotation about centre	1662 mm (65.43 in.)	1642 mm (64.65 in.)	1629 mm (64.13 in.)

Unpackaged ATM

The following table gives the **minimum** dimensions for doorways, corridors with right angle corners and the space required to rotate on its axis an **unpackaged rear access** ATM.

Note 1: The dimensions assume the ATM is being moved using equipment that does not extend beyond the ATM or packaging.

Note 2: A surrounding clearance of **6 mm** (0.24 in.) has been allowed in the figures.



With Barcode Reader

	CEN Grade L	UL 291 24 Hours Level 1
A Doorway or straight corridor	462 mm (18.19 in.)	462 mm (18.19 in.)
B Corridor with corner	677 mm (26.657 in.)	667 mm (26.26 in.)
C Rotation about centre	1089 mm (42.87 in.)	1065 mm (41.93 in.)

Without Barcode Reader

	CEN Grade L	UL 291 24 Hours Level 1
A Doorway or straight corridor	462 mm (18.19 in.)	462 mm (18.19 in.)
B Corridor with corner	665 mm (26.18 in.)	656 mm (25.83 in.)
C Rotation about centre	1060 mm (41.73 in.)	1037 mm (40.83 in.)

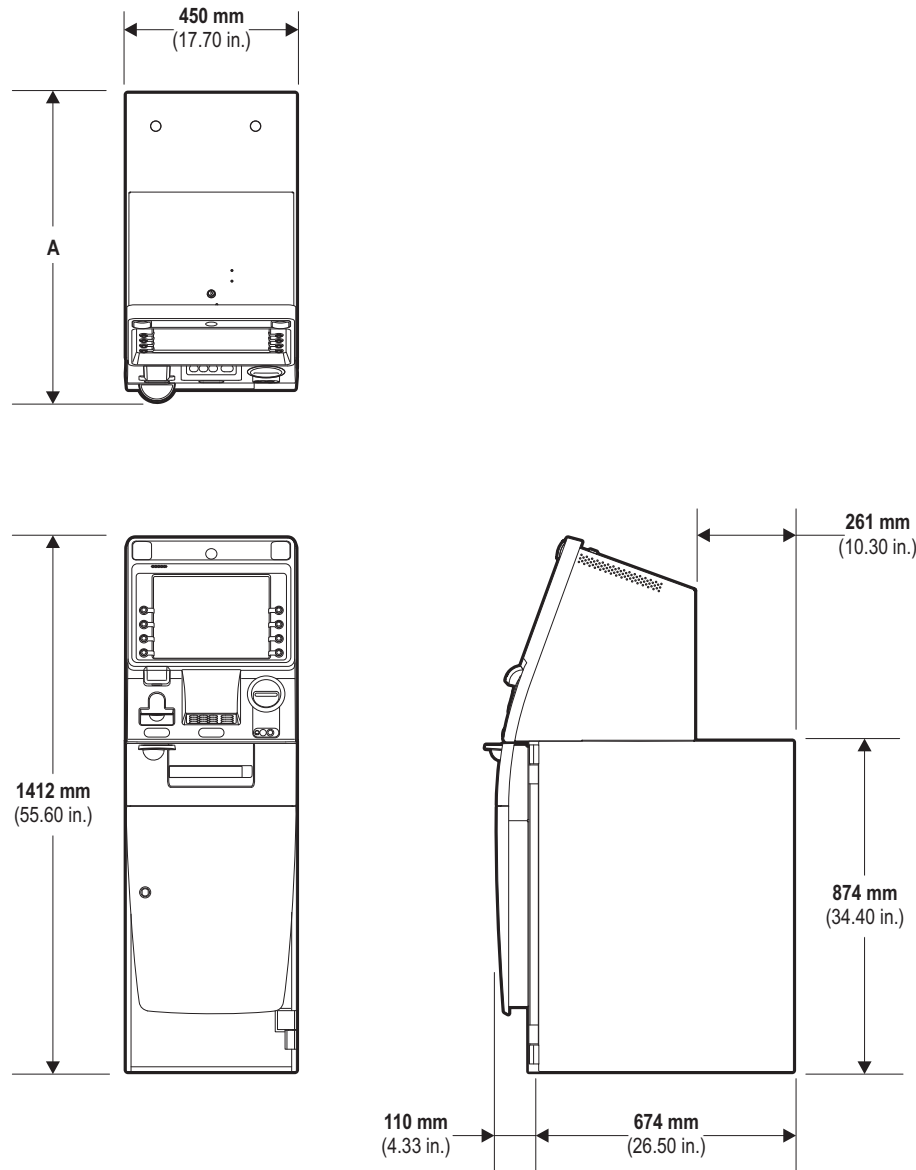
ATM DIMENSIONS

The following illustrations show dimensions for the ATM.

Note: Cables enter the ATM through the hole at the rear of the ATM security enclosure. Refer to the [“Cable Entry Holes”](#) section for the location of the hole.

Front Access CEN L/CEN 1

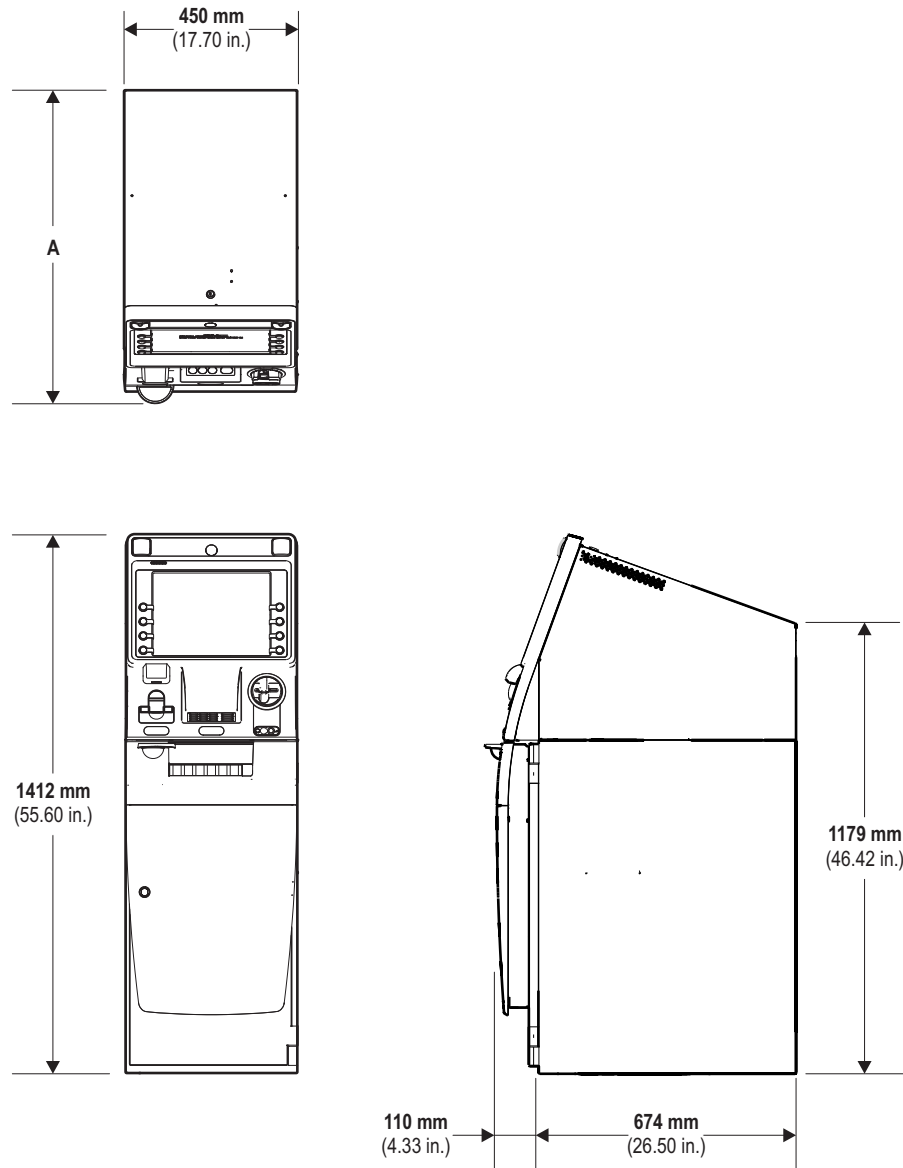
The illustration below shows the dimensions an ATM configured with a CEN Grade L or CEN Grade 1 security enclosure.



	With Barcode Reader Fitted	Without Barcode Reader Fitted
A	815 mm (32.09 in.)	784 mm (30.87 in.)

Front Access CEN L/CEN 1 with Extended Top Box

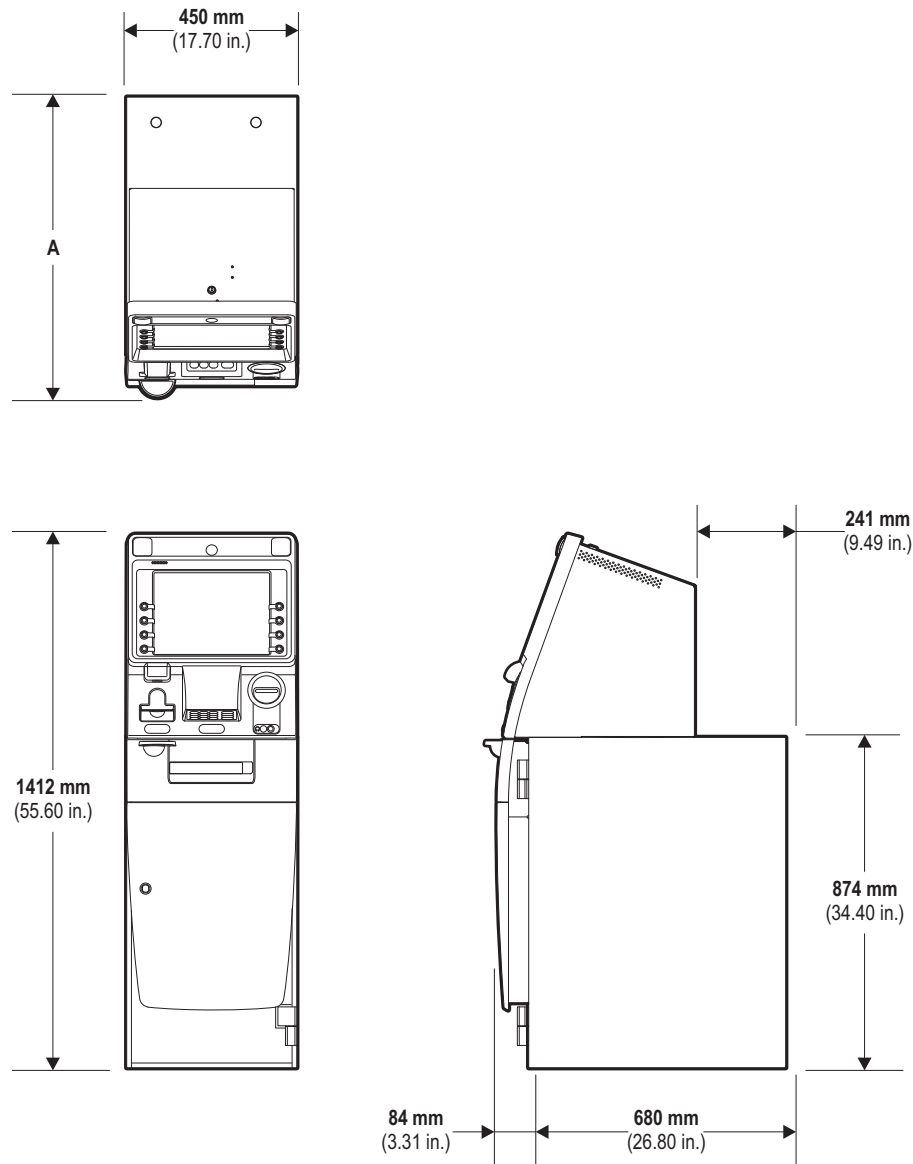
The illustration below shows the dimensions an ATM configured with a CEN Grade L or CEN Grade 1 security enclosure and an extended top box.



	With Barcode Reader Fitted	Without Barcode Reader Fitted
A	815 mm (32.09 in.)	784 mm (30.87 in.)

Front Access UL 291 24 Hours Level 1

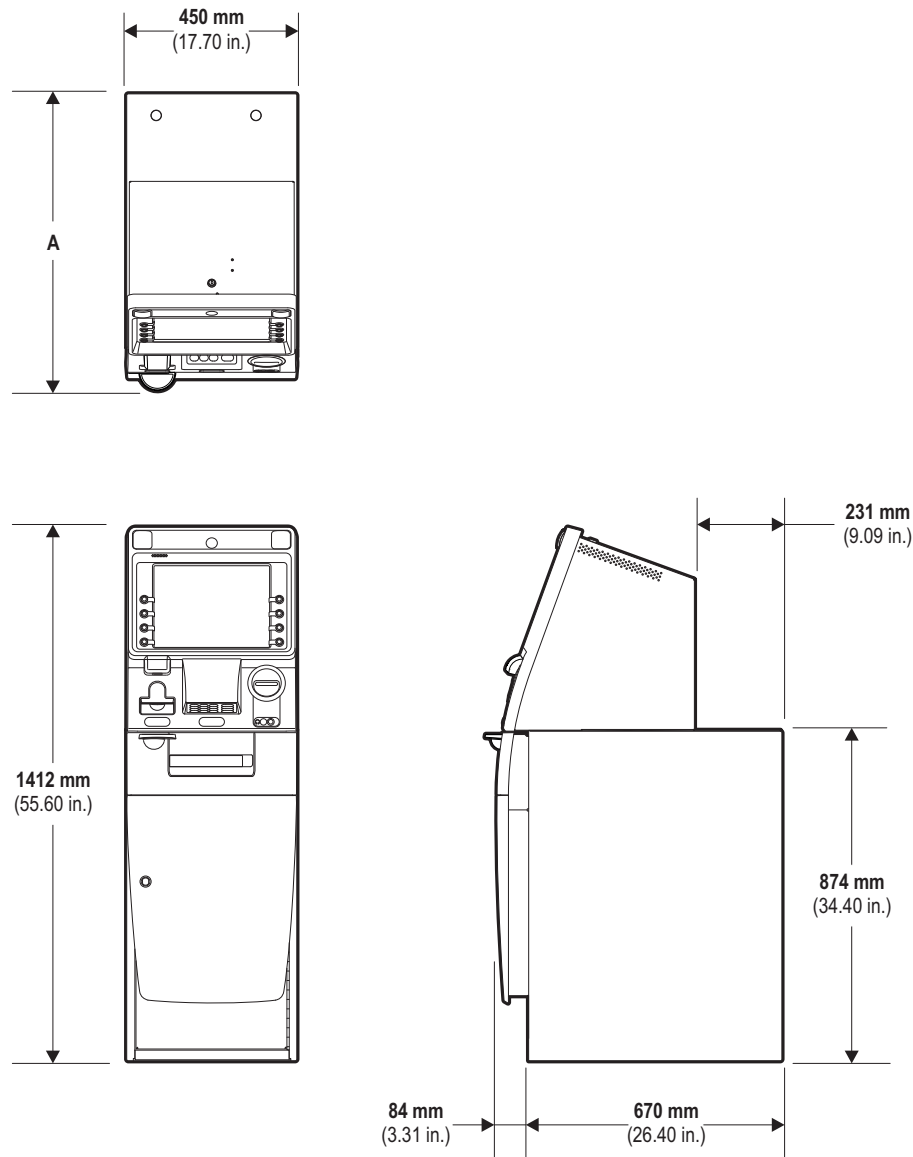
The illustration below shows the dimensions an ATM configured with a UL 291 24 Hours Level 1 security enclosure.



	With Barcode Reader Fitted	Without Barcode Reader Fitted
A	795 mm (31.30 in.)	764 mm (30.08 in.)

Front Access UL 291 Business Hours

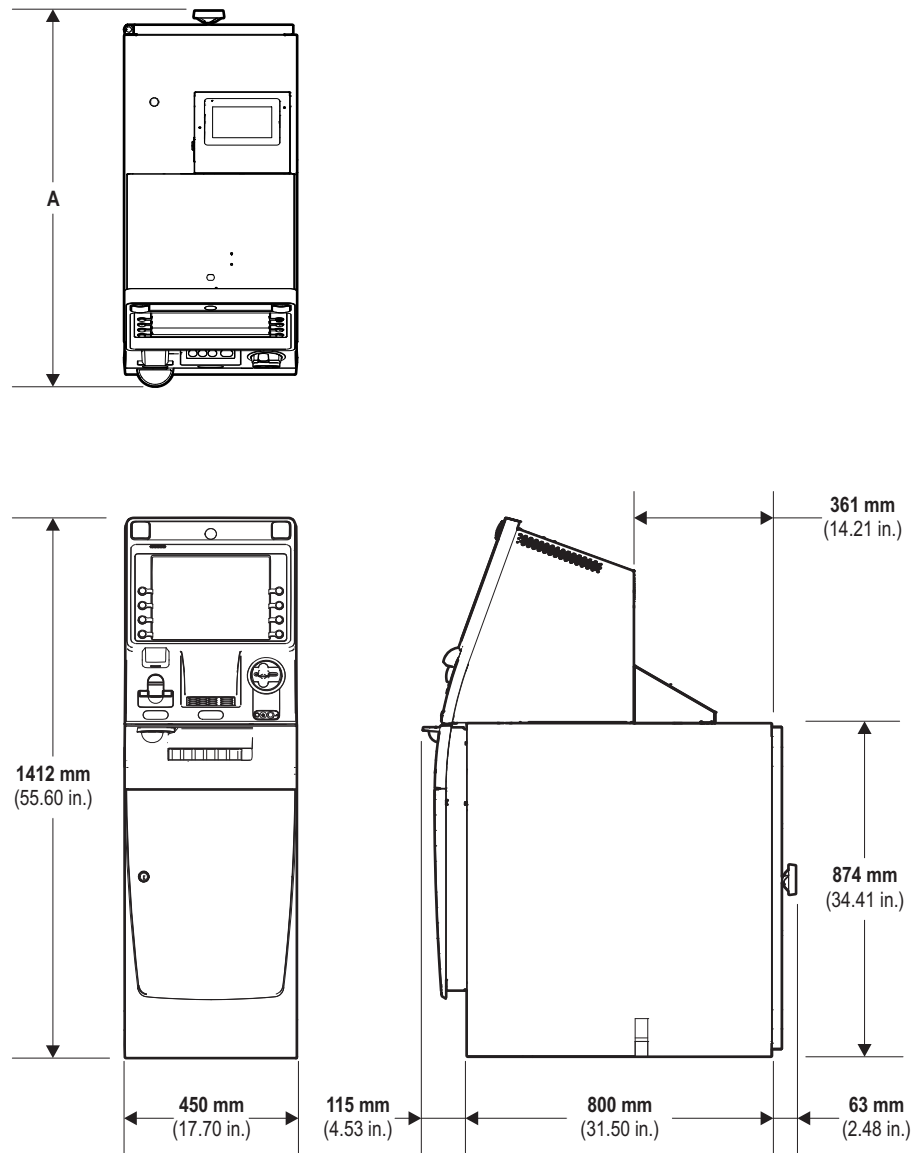
The illustration below shows the dimensions an ATM configured with a UL 291 Business Hours security enclosure.



	With Barcode Reader Fitted	Without Barcode Reader Fitted
A	785 mm (30.91 in.)	754 mm (29.68in.)

Rear Access CEN L

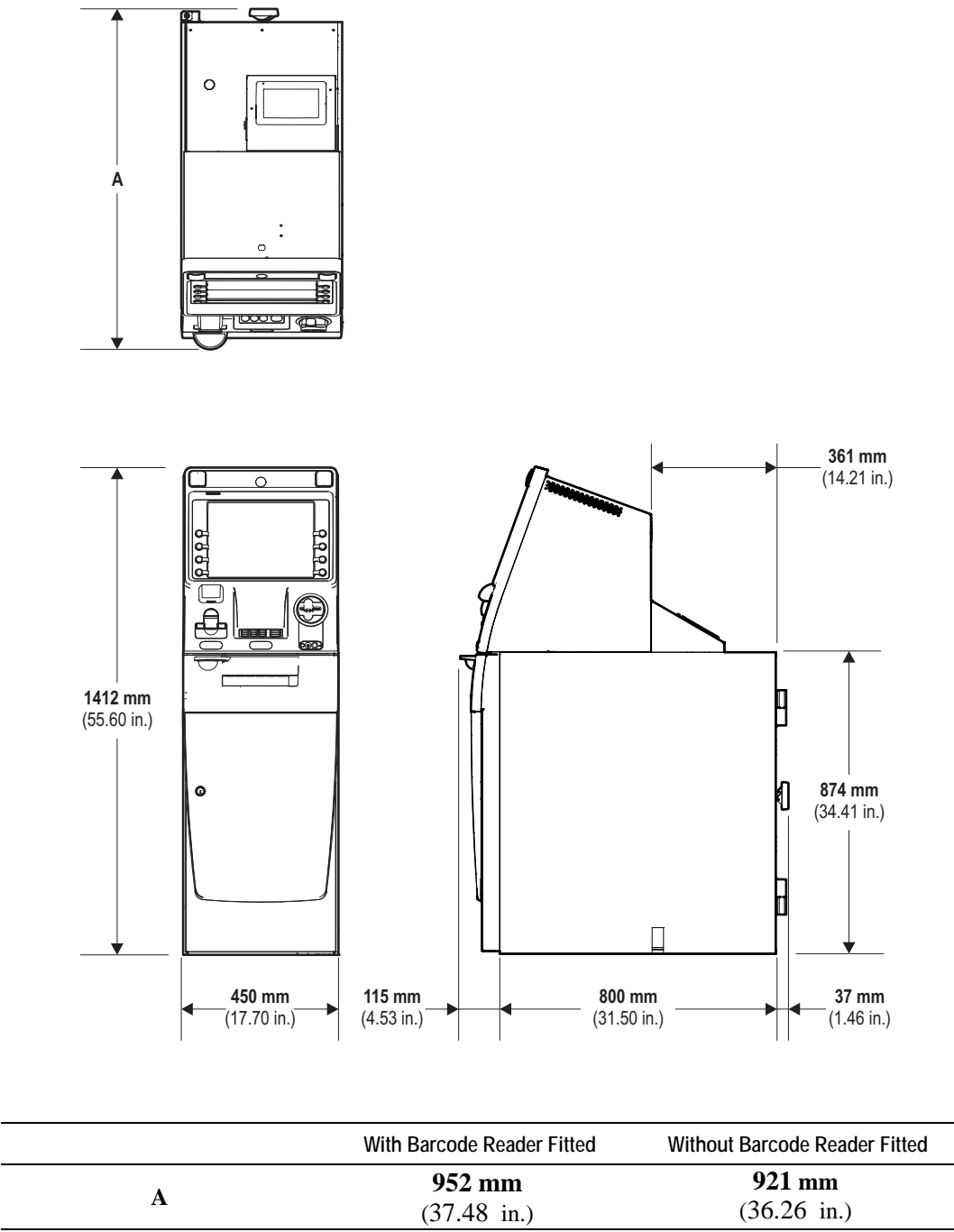
The illustration below shows the dimensions an ATM configured with a CEN Grade L or CEN Grade 1 security enclosure.



	With Barcode Reader Fitted	Without Barcode Reader Fitted
A	978 mm (38.50 in.)	947 mm (37.28 in.)

Rear Access UL 291 24 Hours Level 1

The illustration below shows the dimensions an ATM configured with a UL 291 24 Hours Level 1 security enclosure.












FACIA HEIGHTS AND DEPTHS

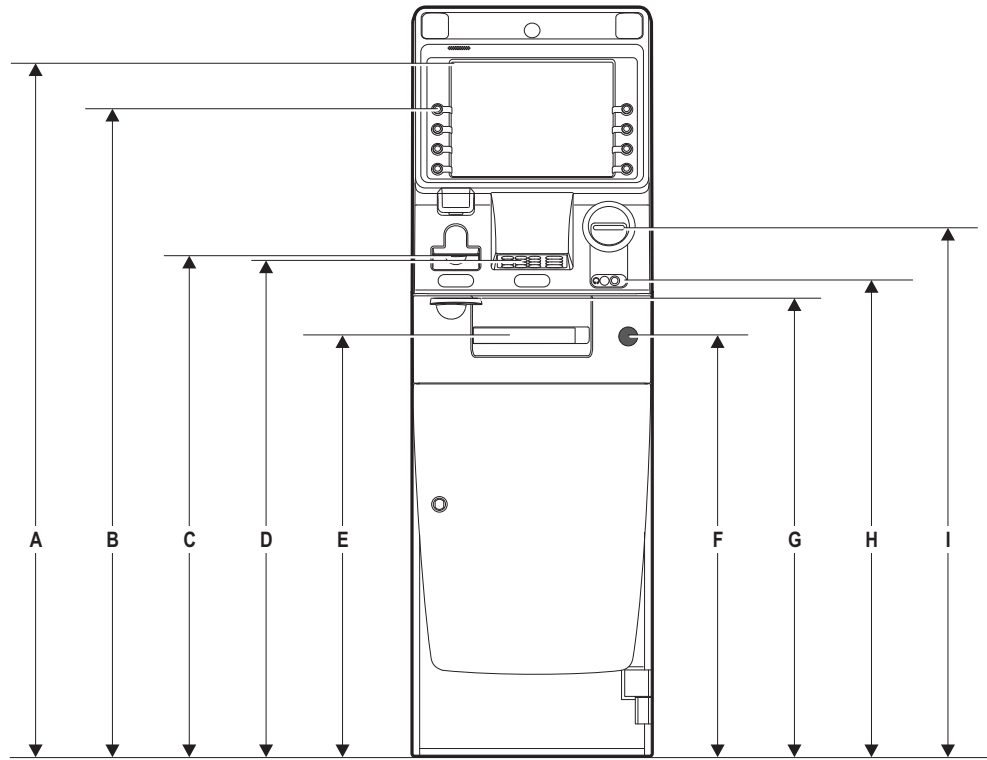
Highest Operable Point

The highest operable point is the height of the of the highest consumer interface element when the ATM is in use. The top FDK of the 15.0 inch display is considered to be the highest operable point of this ATM. Providing that the software application is designed to NCR guidelines this point also applies for the touch screen variant.

Height and Depth to Main Facia Items

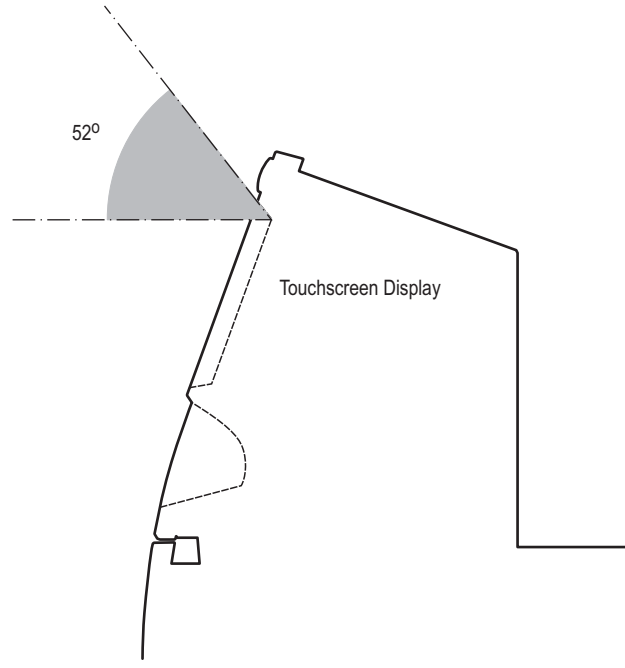
The following tables give the height and depth to the main facia items located on the facia. All the height dimensions are calculated from the base of the ATM.

	Facia Item	Height	Depth From Front of Facia
A 	381 mm (15.0 in.) Touchscreen Display	1312 mm (21.70 in.)	180 mm (7.09 in.)
B 	381 mm (15.0 in.) Display - 1st FDK (centre)	1220 mm (48.00 in.)	143 mm (5.63 in.)
C 	Receipt	959 mm (37.80 in.)	57 mm (2.24 in.)
D 	No. 5 Key	935 mm (36.81 in.)	90 mm (3.54 in.)
E 	Cash Exit or Entry	792 mm (31.18 in.)	21 mm (0.82 in.)
F 	Contactless Card Reader	796 mm (33.34 in.)	0 mm (0.00 in.)
G 	Barcode Reader (shelf)	864 mm (34.02 in.)	44 mm (1.73 in.)
H 	Audio Jack Plug	897 mm (35.31 in.)	0 mm (0.00 in.)
I 	Card Reader	1002 mm (39.45 in.)	51 mm (2.01 in.)

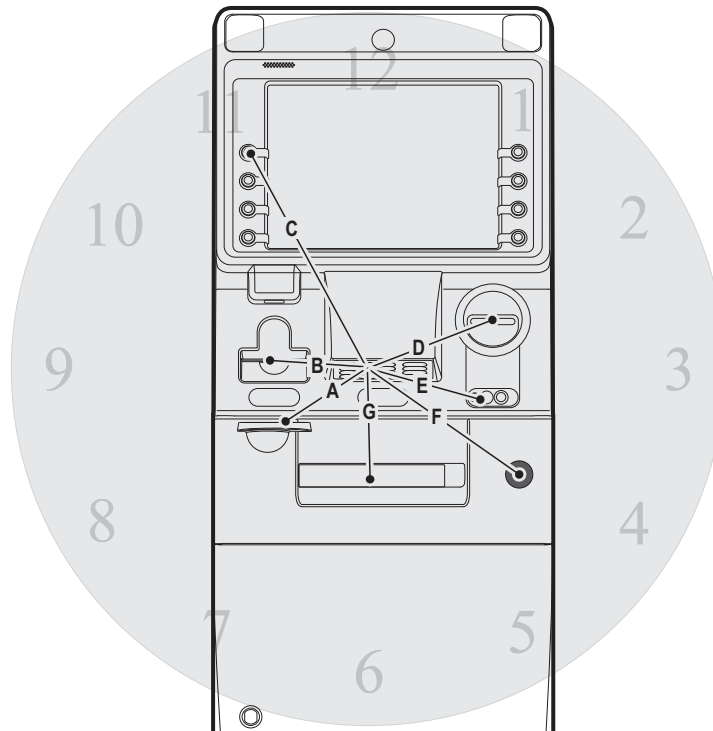


Topmost Viewable Facia Item

The following illustration shows the projected angle from the front of the ATM facia to the topmost viewable facia item.



Facia Item Locations for Voice Guidance



Facia Item		Distance From No. 5 Key	Clock Face Position
A	Barcode Reader (shelf)	174 mm (6.85 in.)	8
B	Receipt Exit	141 mm (5.55 in.)	9
C	381 mm (15.0 in.) Display - Top left-hand FDK	330 mm (12.99 in.)	11
D	Card Reader	181 mm (7.13 in.)	2
E	Audio Jack Plug	179 mm (7.05 in.)	4
F	Contactless Card Reader	262 mm (10.31 in.)	4
G	Cash Exit or Entry	173 mm (6.81 in.)	6

TASK LIGHTING

A minimum of 200 lux is required for task lighting.

INSTALLATION AND SERVICE CLEARANCES

Important Notice to Users

If it is likely that the ATM will be upgraded with new modules as they become available, you should use the optimum clearances.

Installing the ATM in the minimum servicing areas may impact servicing and/or upgrading times.

The minimum service areas are required for servicing. If these areas are not available consult your local service representative.

Any surround or enclosure that sits on top of the ATM must be self supporting.

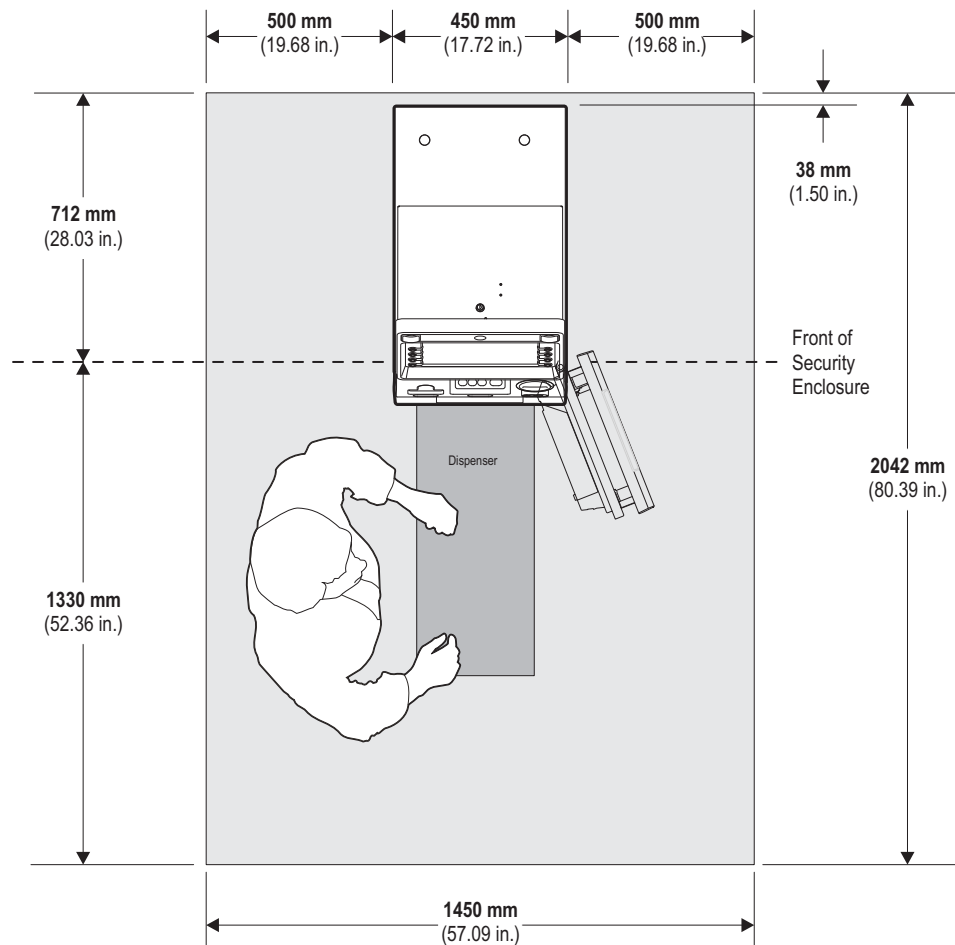
Optimum Clearances

The following illustrations show the **optimum** areas required for installing and servicing the ATM.

Note: Baseline for dimensions is either the front or the rear of the security enclosure with the security enclosure door open as indicated by the dotted line.

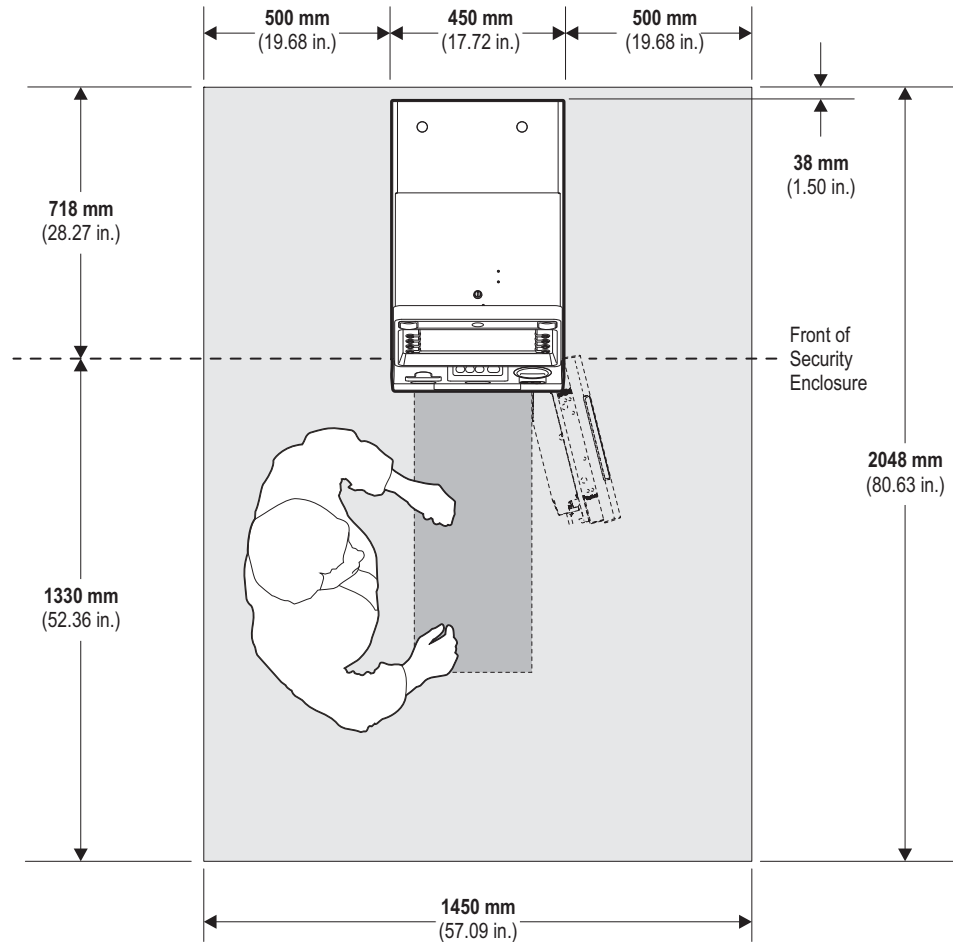
Front Access CEN L/CEN 1

The illustration below shows the **optimum** clearance dimensions for an ATM fitted with a CEN Grade L security enclosure.



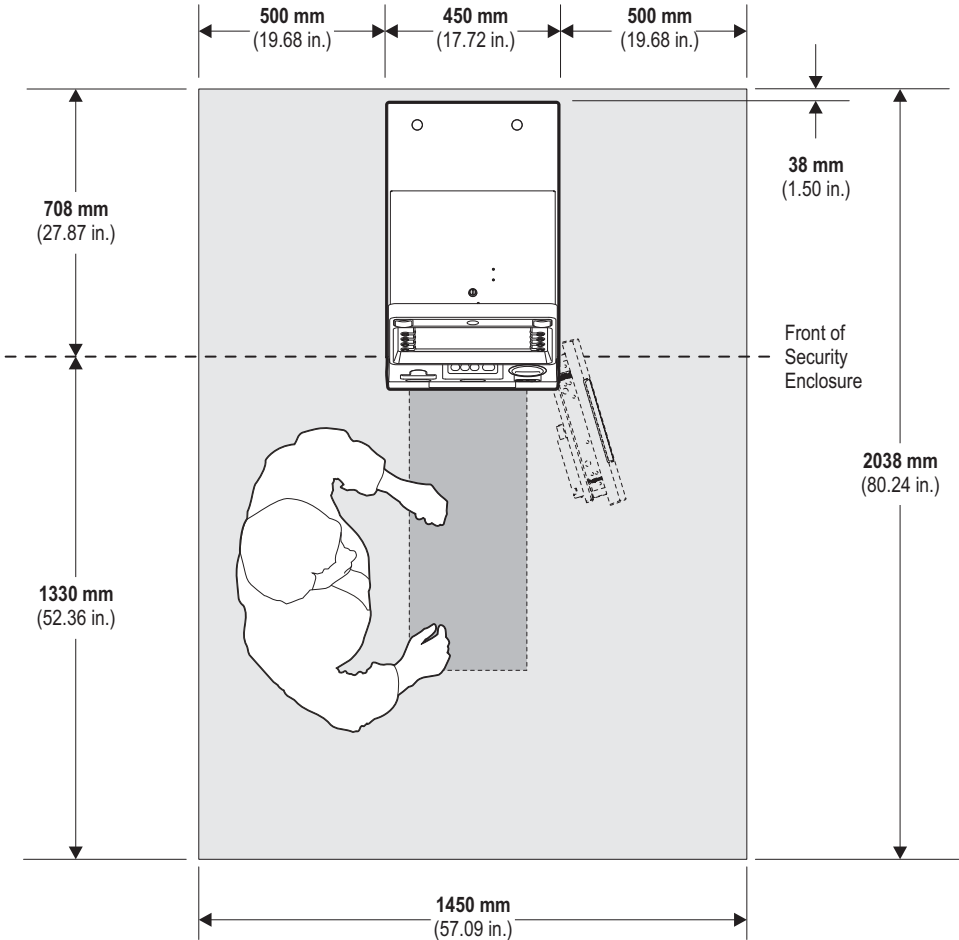
Front Access UL 291 24 Hours Level 1

The illustration below shows the **optimum** clearance dimensions for an ATM fitted with a UL 291 24 Hours Level 1 security enclosure.



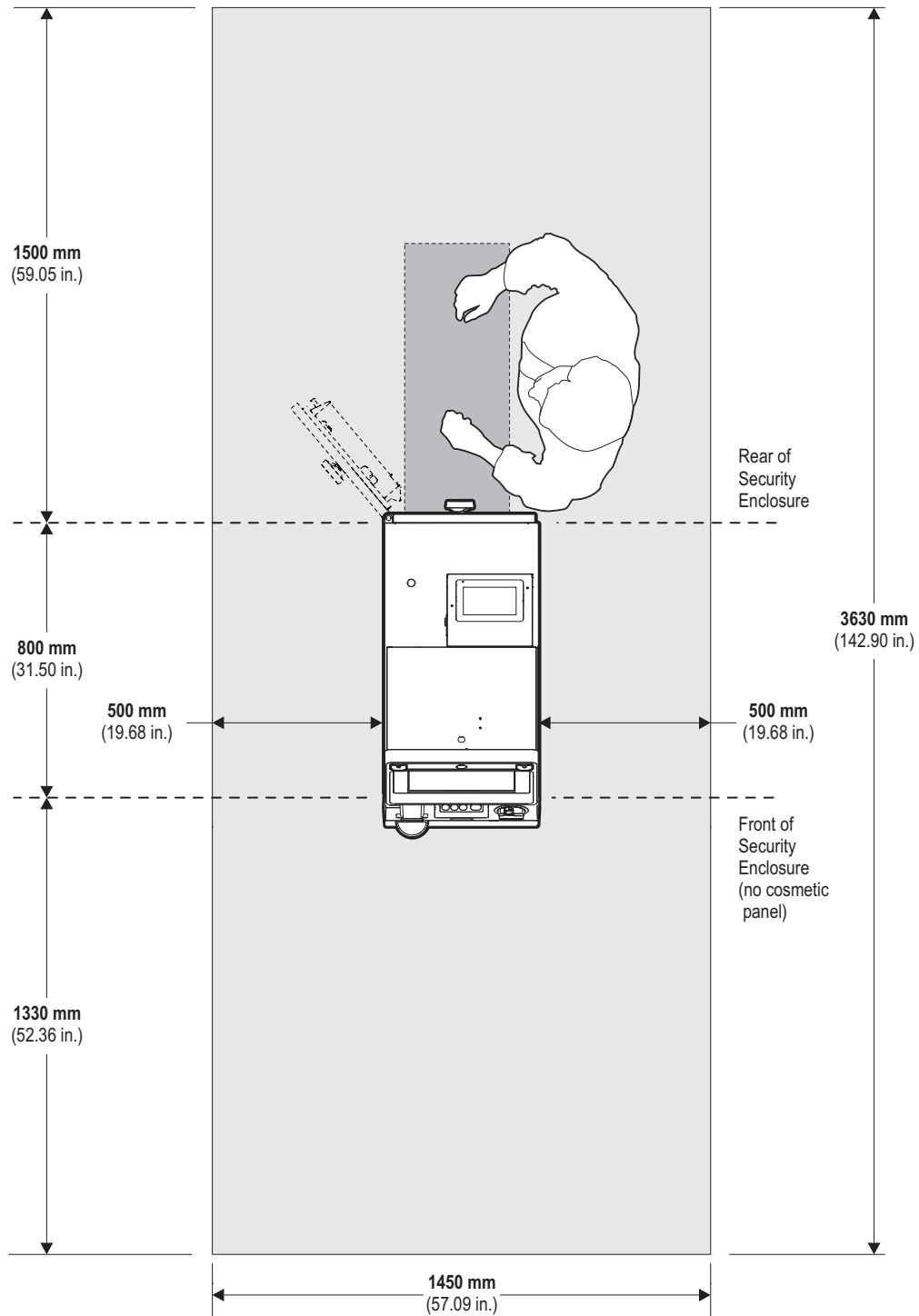
Front Access UL 291 Business Hours

The illustration below shows the **optimum** clearance dimensions for an ATM fitted with a UL 291 Business Hours security enclosure.



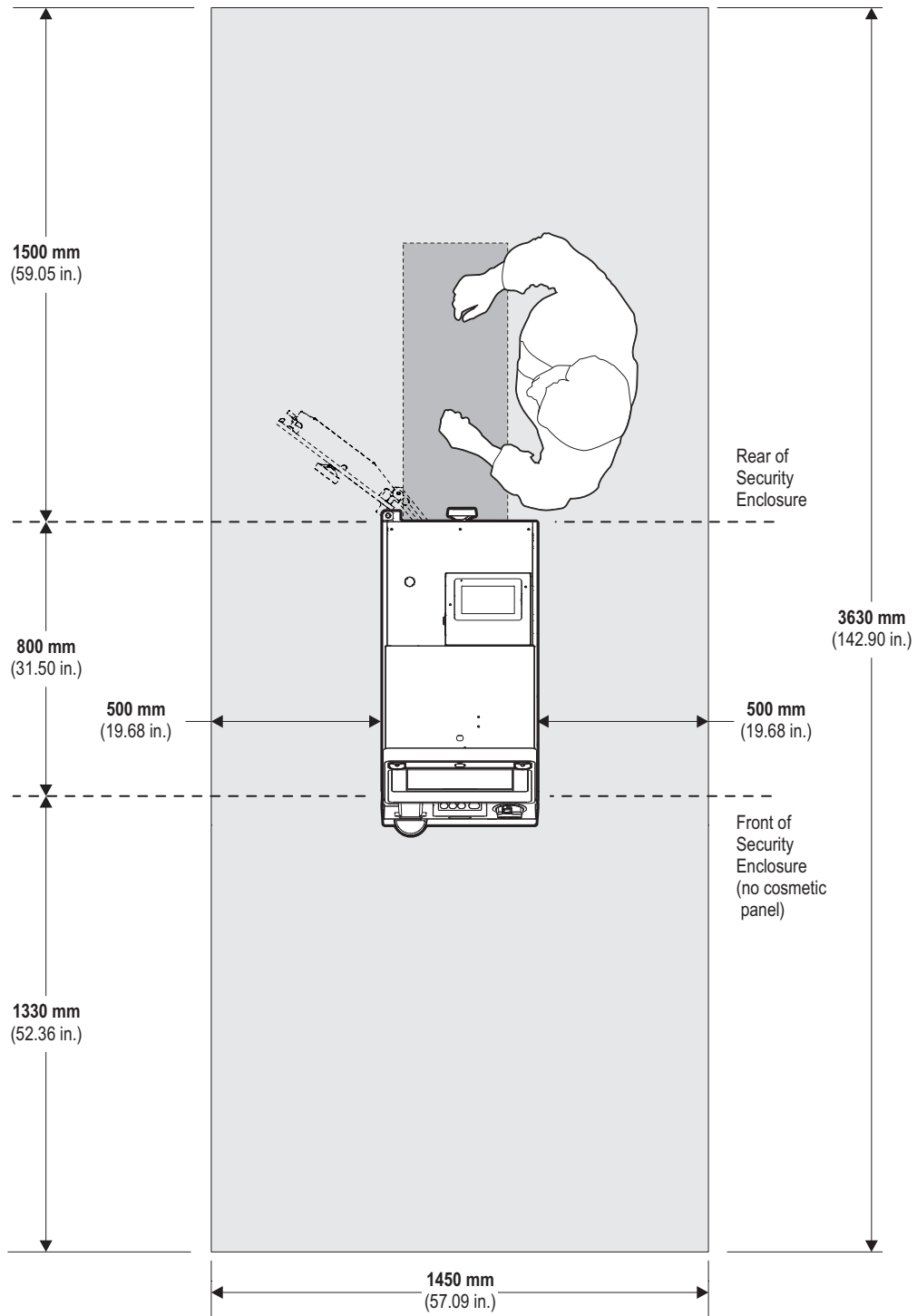
Rear Access CEN L

The illustration below shows the **optimum** clearance dimensions for an ATM fitted with a CEN Grade L security enclosure.



Rear Access UL 291 24 Hours Level 1

The illustration below shows the **optimum** clearance dimensions for an ATM fitted with a UL 291 24 Hours Level 1 security enclosure.



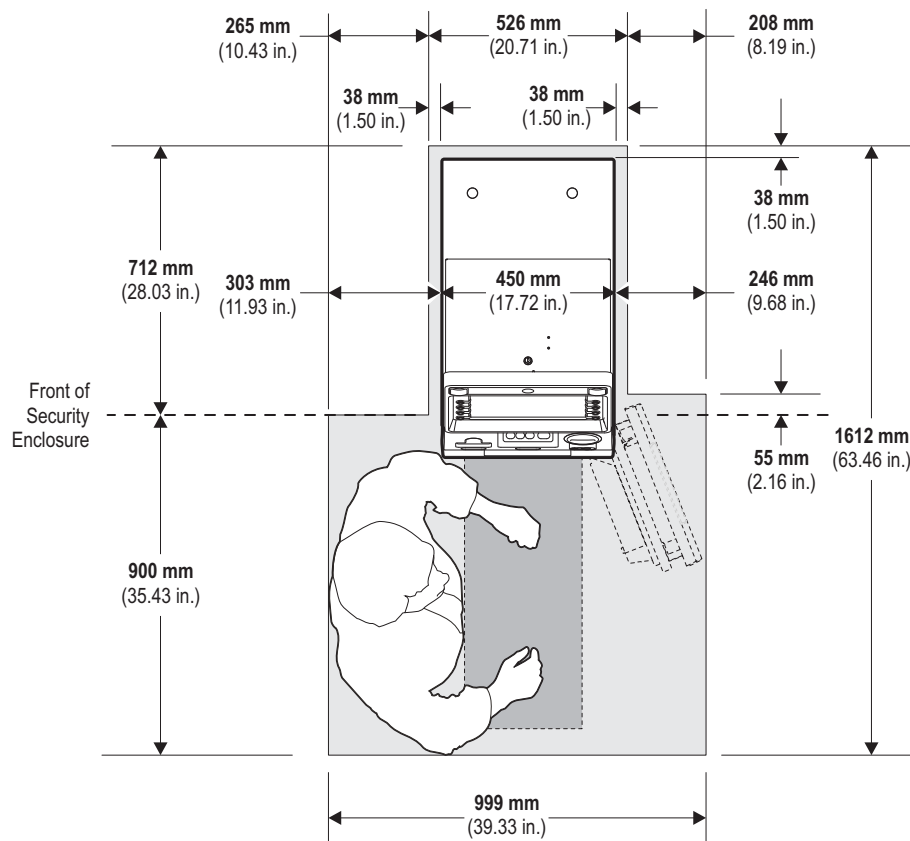
Minimum Clearances

The following illustrations show the **minimum** areas required for installing and servicing the ATM.

Note: Baseline for dimensions is either the front or the rear of the security enclosure with the security enclosure door open as indicated by the dotted line.

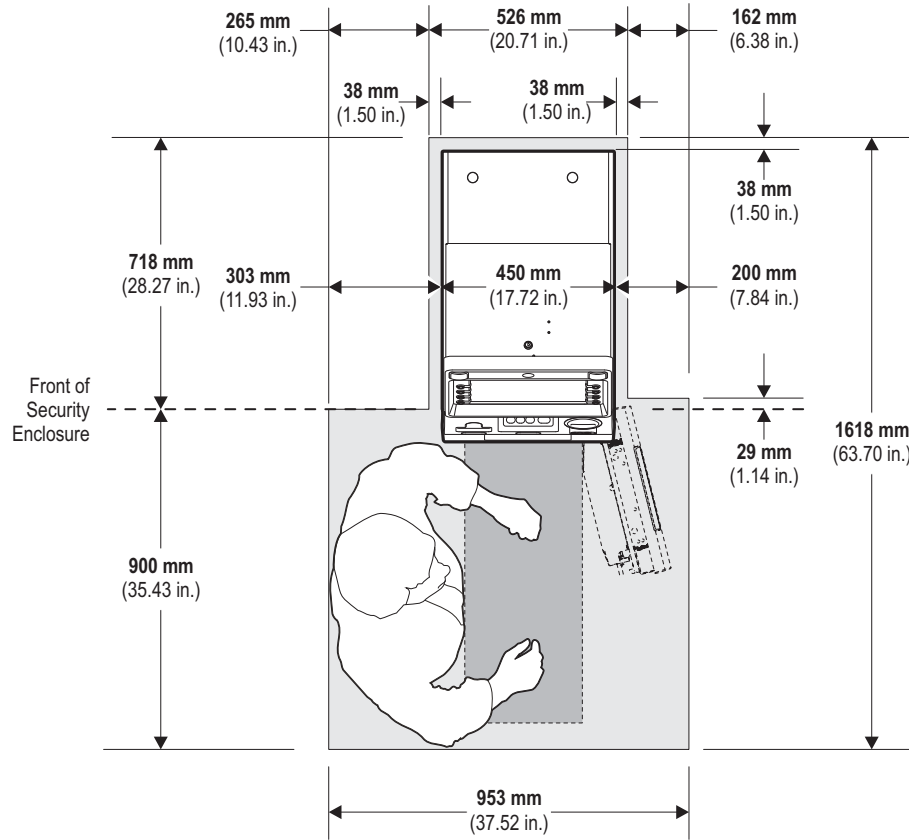
Front Access CEN L/CEN 1

The illustration below shows the **minimum** clearance dimensions for an ATM fitted with a CEN Grade L security enclosure.



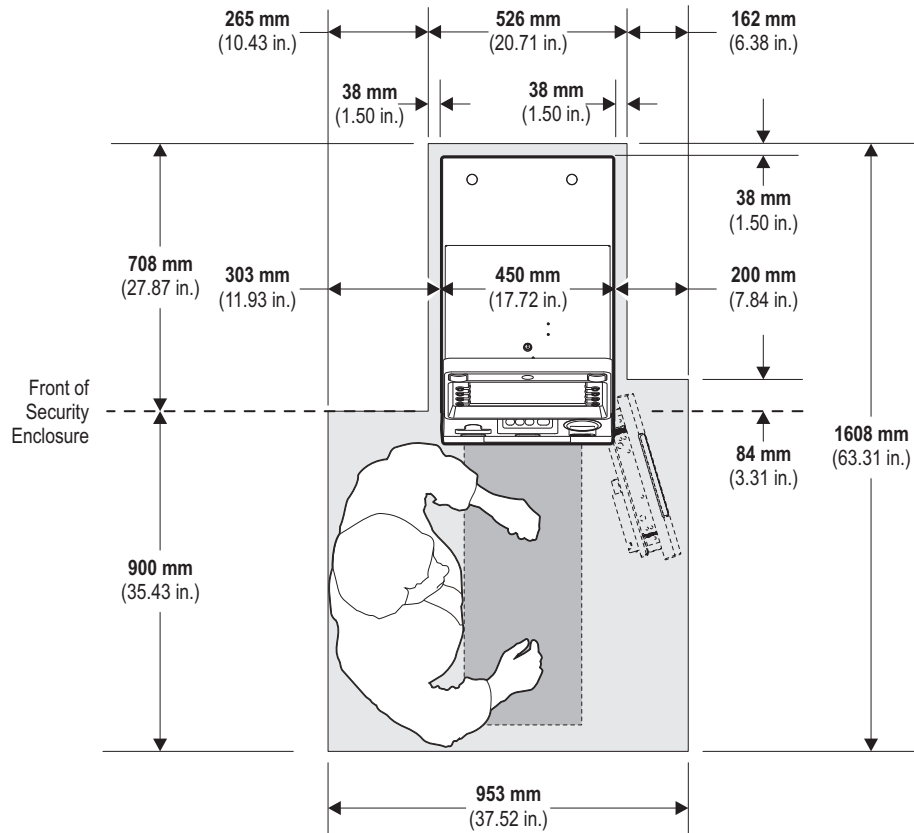
Front Access UL 291 24 Hours Level 1

The illustration below shows the **minimum** clearance dimensions for an ATM fitted with a UL 291 24 Hours Level 1 security enclosure.



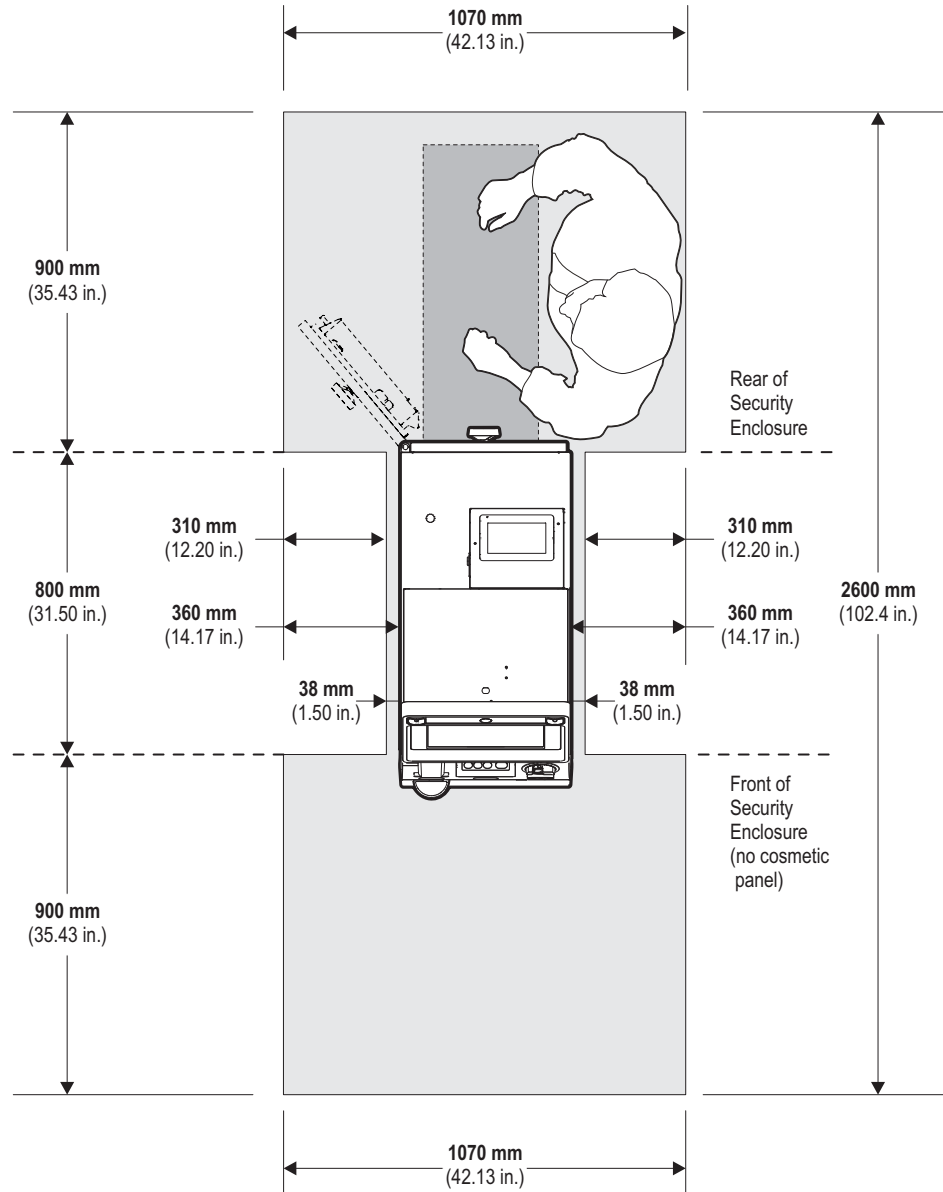
UL 291 Business Hours

The illustration below shows the **minimum** clearance dimensions for an ATM fitted with a UL 291 Business Hours security enclosure.



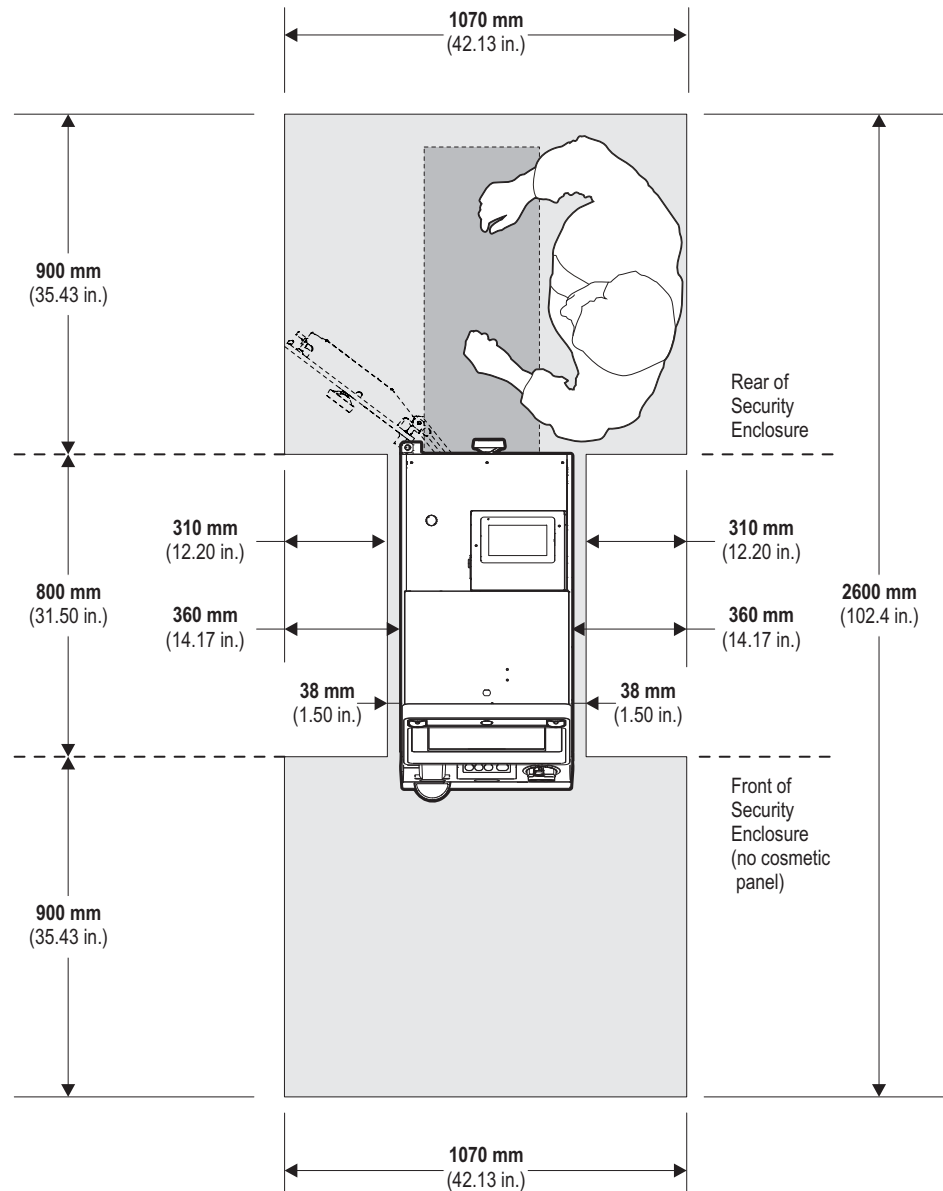
Rear Access CEN L

The illustration below shows the **minimum** clearance dimensions for an ATM fitted with a CEN Grade L security enclosure.



Rear Access UL 291 24 Hours Level 1

The illustration below shows the **minimum** clearance dimensions for an ATM fitted with a UL 291 24 Hours Level 1 security enclosure.



REQUIREMENTS FOR THE FLOOR

The ATM is suitable for mounting on a concrete or other non-combustible surface only.

Floor Covering

An antistatic floor covering should be used and must be of a type that will not generate dust or fluff. The surface on which the ATM is to be sited should be level and even. In locations where the floor may be uneven, it is recommended that a steel plate is used under the ATM.

Floor Loading

The ATM must be installed on a floor capable of supporting the maximum weight. Only the maximum weight should be considered as additional options may be added after installation.

Front Access

	CEN Grade L or CEN Grade 1	UL 291 24 Hours Level 1	UL 291 Business Hours
Maximum weight	520 kg (1146.6 lb.)	440 kg (970.2 lb.)	270 kg (595.4 lb.)
Floor loading	1714 kg/m² (351.1 lb./ft ²)	1438 kg/m² (294.5 lb./ft ²)	896 kg/m² (183.4 lb./ft ²)

Rear Access

	CEN Grade L	UL 291 24 Hours Level 1
Maximum weight	560 kg (1234.8 lb.)	475 kg (1047.4 lb.)
Floor loading	1557 kg/m² (318.6 lb./ft ²)	1319 kg/m² (270.2 lb./ft ²)

BOLTS AND BOLT HOLES

Security Bolts - CEN Grade L/CEN 1 and UL 291 24 Hours Level 1

To meet security standards the ATM must be bolted to the floor, through the 'A' holes, using four bolts with anchor washers as specified below. The floor must be capable of withstanding the loading imposed by the anchor points for the bolts. Bolts and anchor washers are to be supplied by the owning organisation.

If an adjustable plinth is used, it must be bolted to the floor.

To meet security standards the minimum specification for bolts to secure the ATM to a concrete floor is high tensile **M16** (5/8 in.) bolts with appropriate anchor washers of **6 mm** (0.2 in.) minimum thickness. Bolts should be a minimum depth of **150 mm** (5.9 in.) and either resin anchor bolts or shield anchor type bolts.

Note 1: Bolting of CEN security enclosures should comply with the requirements of EN 1143-1 (CEN Safe Burglary Standard).

Note 2: A fifth central anchoring hole (hole 'B') which has a larger counterbored diameter can be used to fit a special local alarm sensor.

Security Bolts - UL 291 Business Hours

To meet security standards the ATM must be bolted to the floor, through the 'A' holes, using four bolts with anchor washers as specified below. The floor must be capable of withstanding the loading imposed by the anchor points for the bolts. Bolts and anchor washers are to be supplied by the owning organisation.

If an adjustable plinth is used, it must be bolted to the floor.

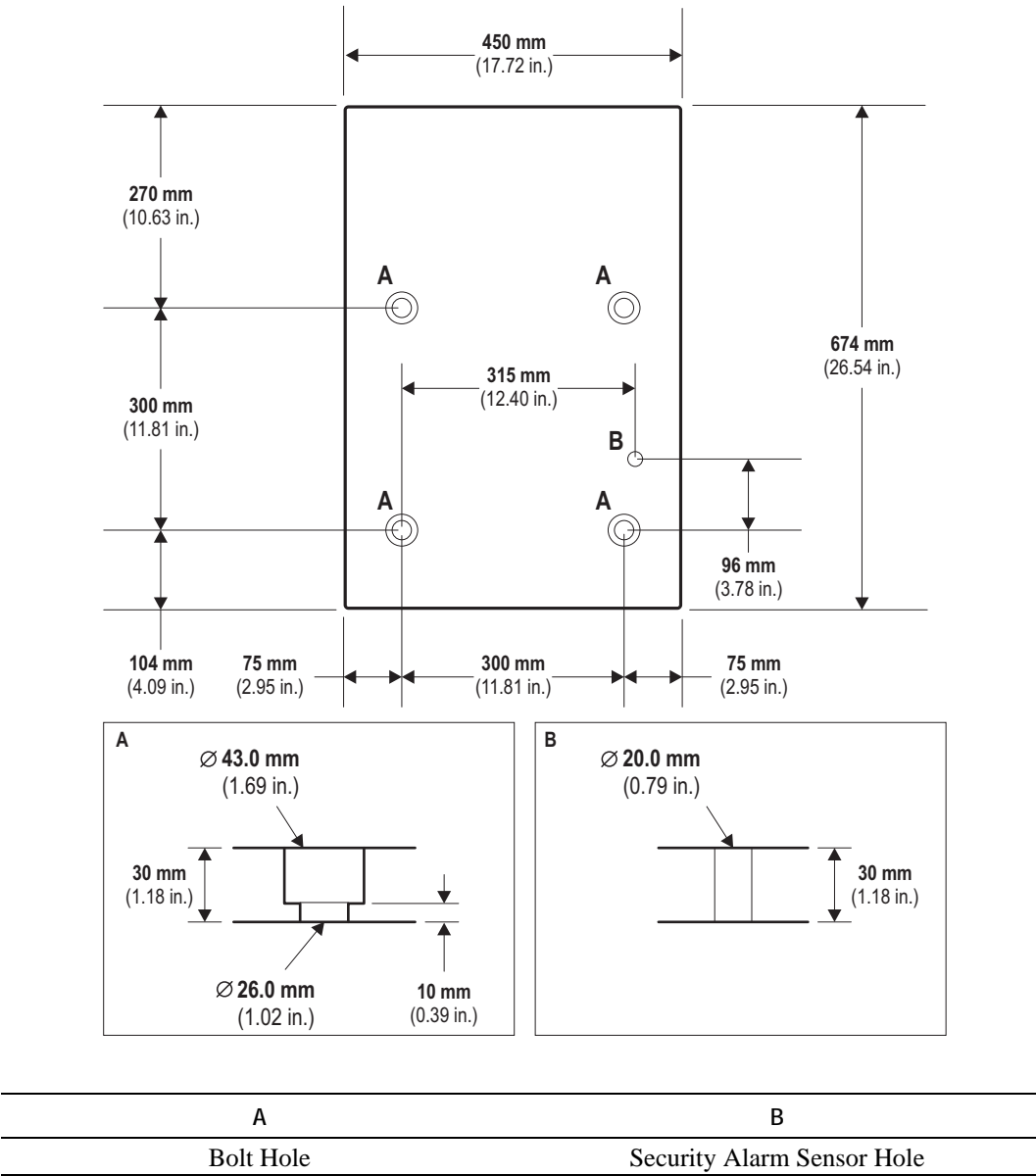
To meet security standards the minimum specification for bolts to secure the ATM to a concrete floor is high tensile **M12** (1/2 in.) bolts with appropriate anchor washers of **6 mm** (0.2 in.) minimum thickness. Bolts should be a minimum depth of **150 mm** (5.9 in.) and either resin anchor bolts or shield anchor type bolts.

Bolt Holes

The following illustrations show a plan, sectional, view of the base of the ATM. The plan should be used for pre-drilling the bolt holes 'A' and illustrates the design of the steel plate, if used.

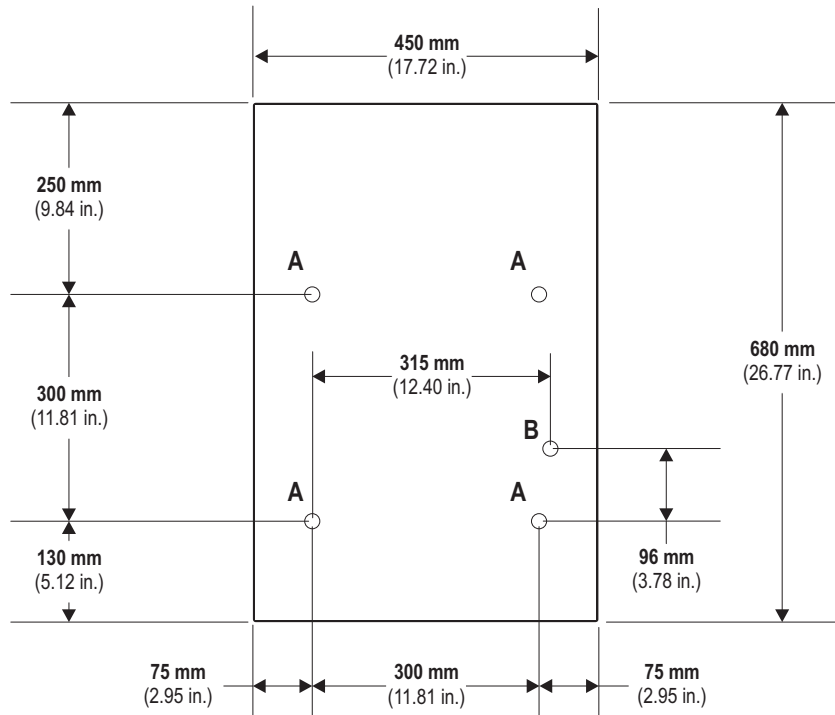
Front Access CEN Grade L/CEN 1

The illustration below shows the dimensions and hole locations for a front access ATM fitted with a CEN Grade L security enclosure.



Front Access UL 291 24 Hours Level 1

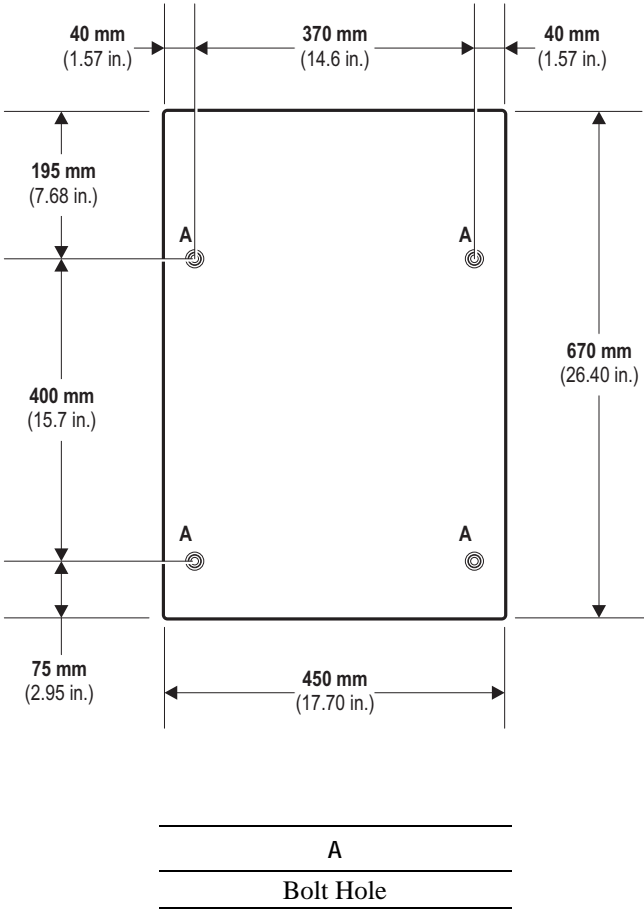
The illustration below shows the dimensions and hole locations for a front access ATM fitted with a UL 291 24 Hours Level 1 security enclosure.



A	B
Bolt Hole	Security Alarm Sensor Hole

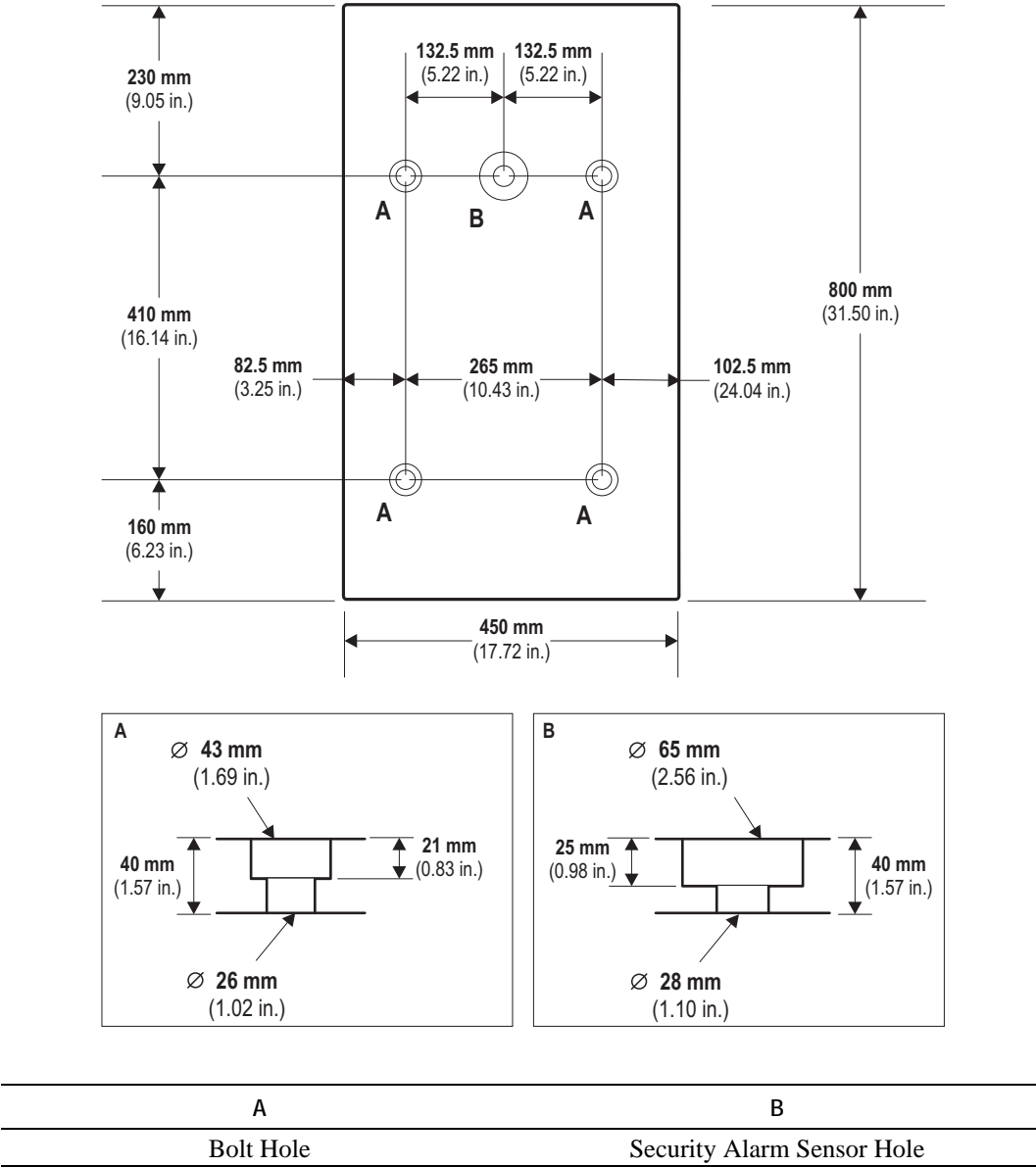
Front Access UL 291 Business Hours

The illustration below shows the dimensions and hole locations for a front access ATM fitted with a UL 291 Business Hours security enclosure.



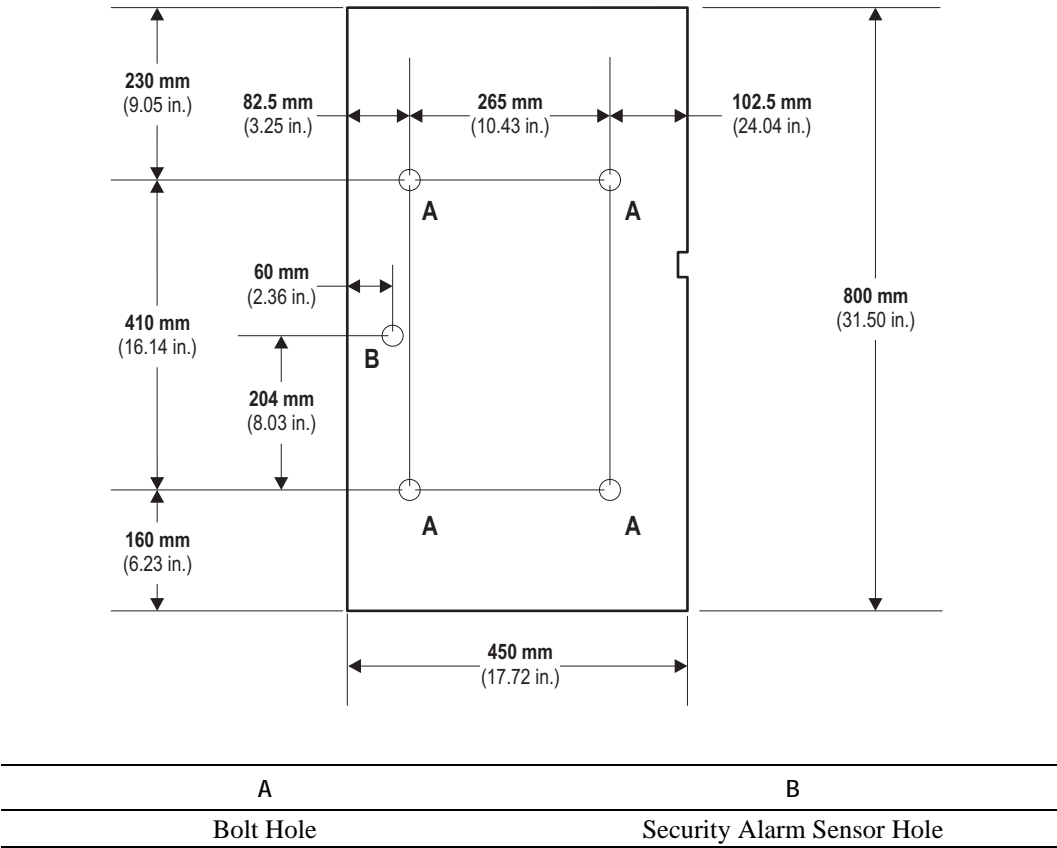
Rear Access CEN Grade L

The illustration below shows the dimensions and hole locations for a rear access ATM fitted with a CEN Grade L security enclosure.



Rear Access UL 291 24 Hours Level 1

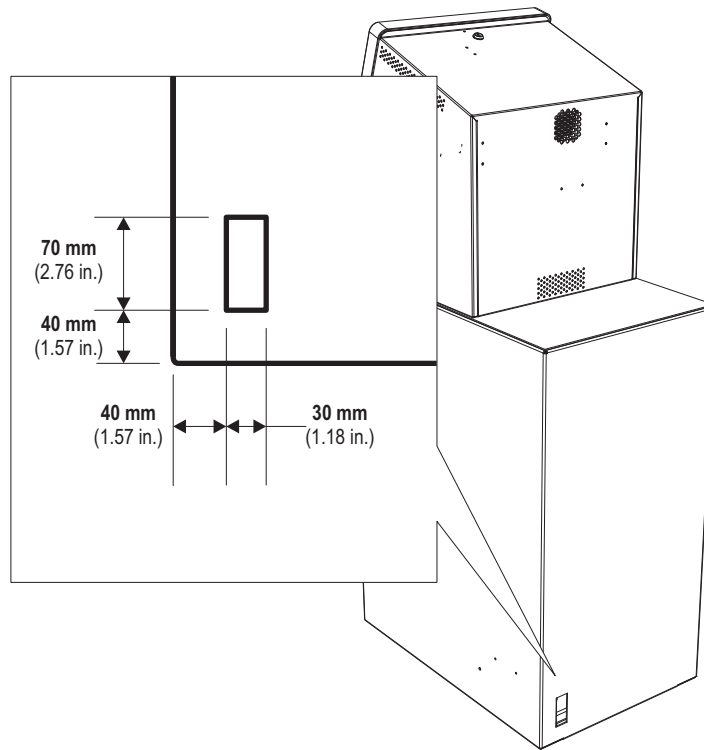
The illustration below shows the dimensions and hole locations for a rear access ATM fitted with a UL 291 24 Hours Level 1 security enclosure.



CABLE ENTRY HOLES

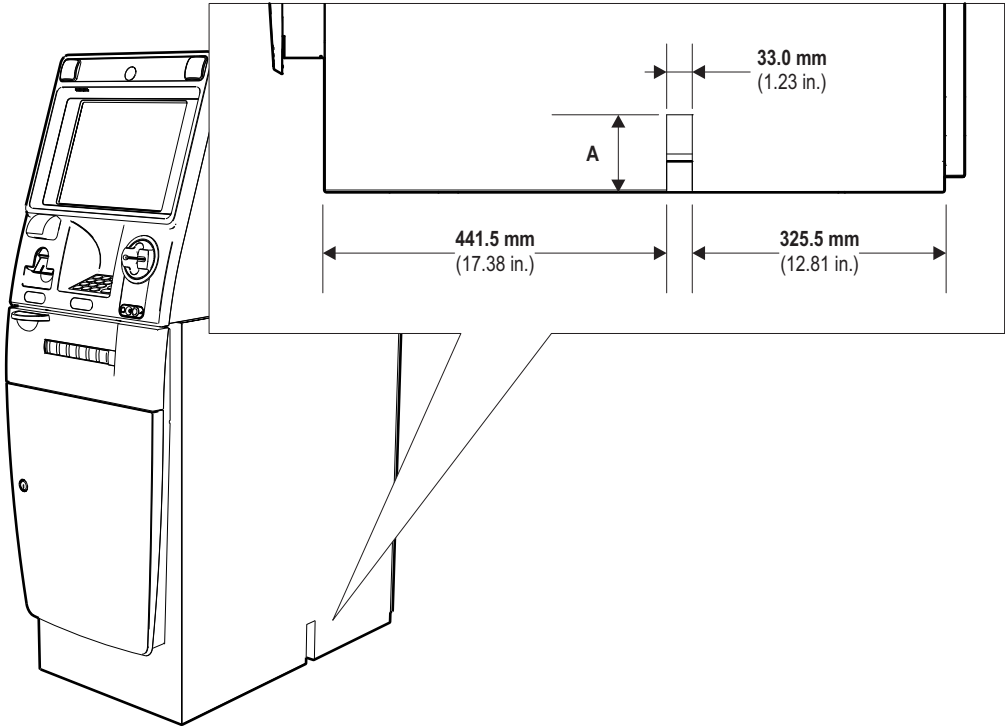
Front Access

The following illustration shows the location of the cable entry hole on front access ATMS.



Rear Access

The following illustration shows the location of the cable entry hole on rear access ATMS.

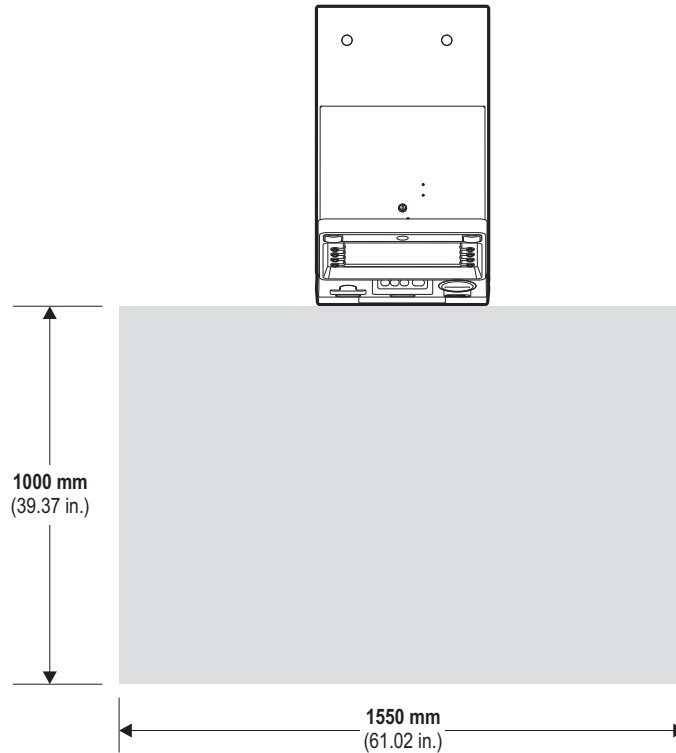


	CEN L	UL 291 24 Hours Level 1
A	100 mm (3.94 in.)	76 mm (2.99 in.)

VIDEO CAMERA

Ambient Lighting

If the ATM is fitted with a video camera, it is strongly recommended that there is a minimum of 50 lux lighting at floor level within the area illustrated below.



DECALS

This section provides specifications for the decals which you may wish to fit to the front of your ATM.

The SelfServ 22e decal recesses are positioned over the arrow shaped Media Entry and Exit Indicators (MEEI's) which illuminate to indicate the position of the receipt, cash and card slots. Decals should be made from a clear material, that allows the light from the MEEI's to shine through, with white text or icons that contrast against the dark background colour of the facia.

Decals can also, if required, be used as paint masks if the facia is to be Colour Customised - to avoid the MEEI's being painted over.

Decals should be a maximum of **0.5 mm** (0.02 in.) thick and it is recommended that they be made from transparent textured polycarbonate with 3M 467 High Performance MP adhesive.

Icons or text on the decals should provide good contrast of at least 70% between foreground (text/icon) and background.

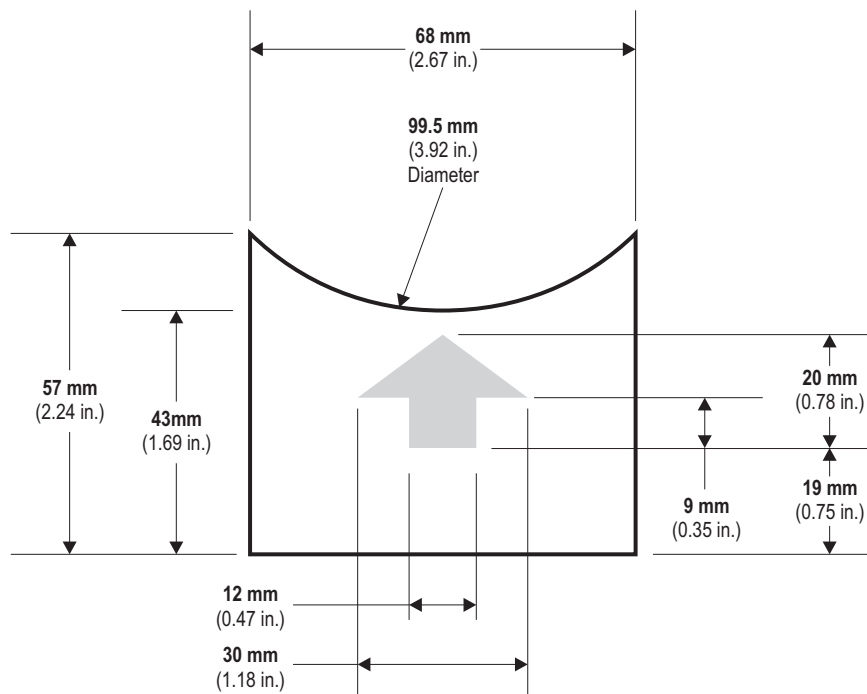
Where text is used a sans serif typeface, such as Tiresias, is recommended.

Card Reader

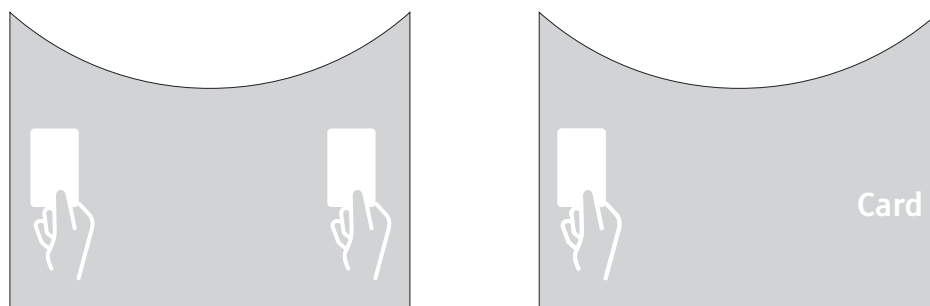
Decal Dimensions

The card reader decal should be of the following dimensions.

Note: The shaded grey must be left clear to avoid obscuring the MEEI.



Suggested Designs

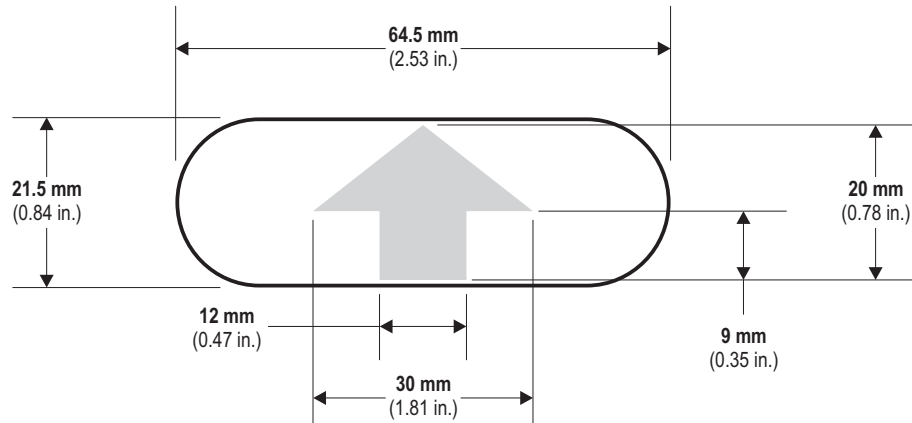


Receipt Exit

Decal Dimensions

The receipt exit decal should be of the following dimensions.

Note: The shaded grey must be left clear to avoid obscuring the MEEI.



Suggested Designs

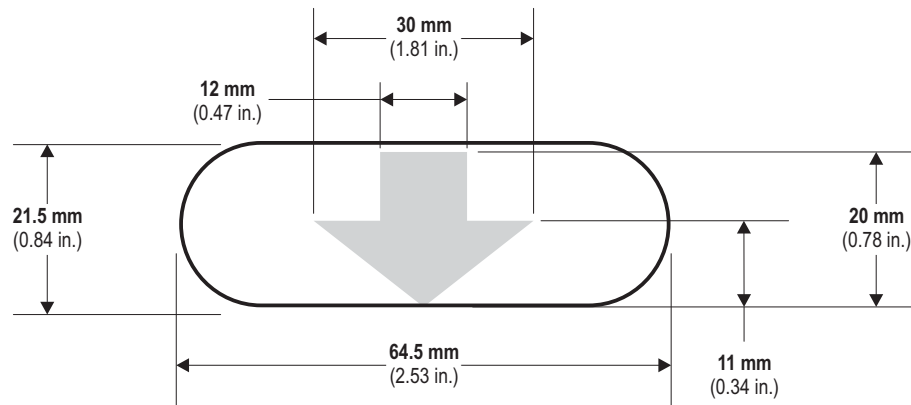


Cash Exit

Decal Dimensions

The cash exit decal should be of the following dimensions.

Note: The shaded grey must be left clear to avoid obscuring the MEEI.



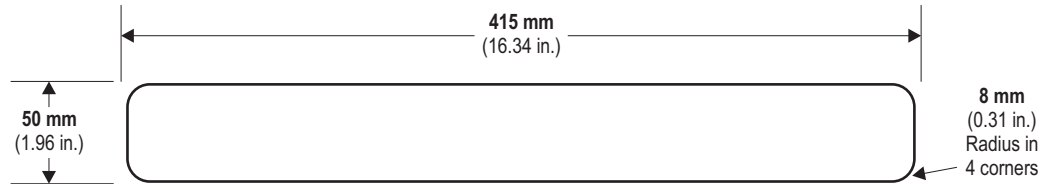
Suggested Designs



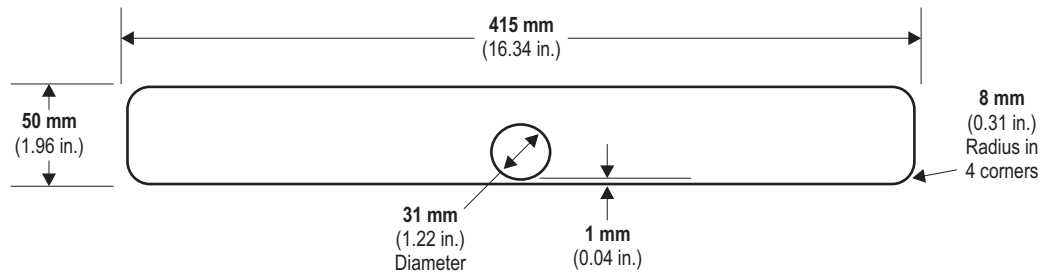
Advert

The following illustrations show dimensions for an advert decal that can be placed on the front of the product in the advert decal recess.

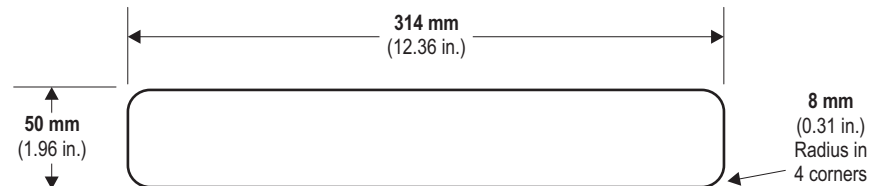
Without Camera Lens



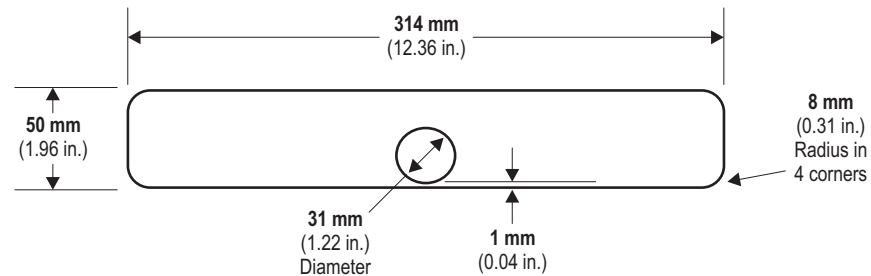
With Camera Lens



With Consumer Awareness Mirrors

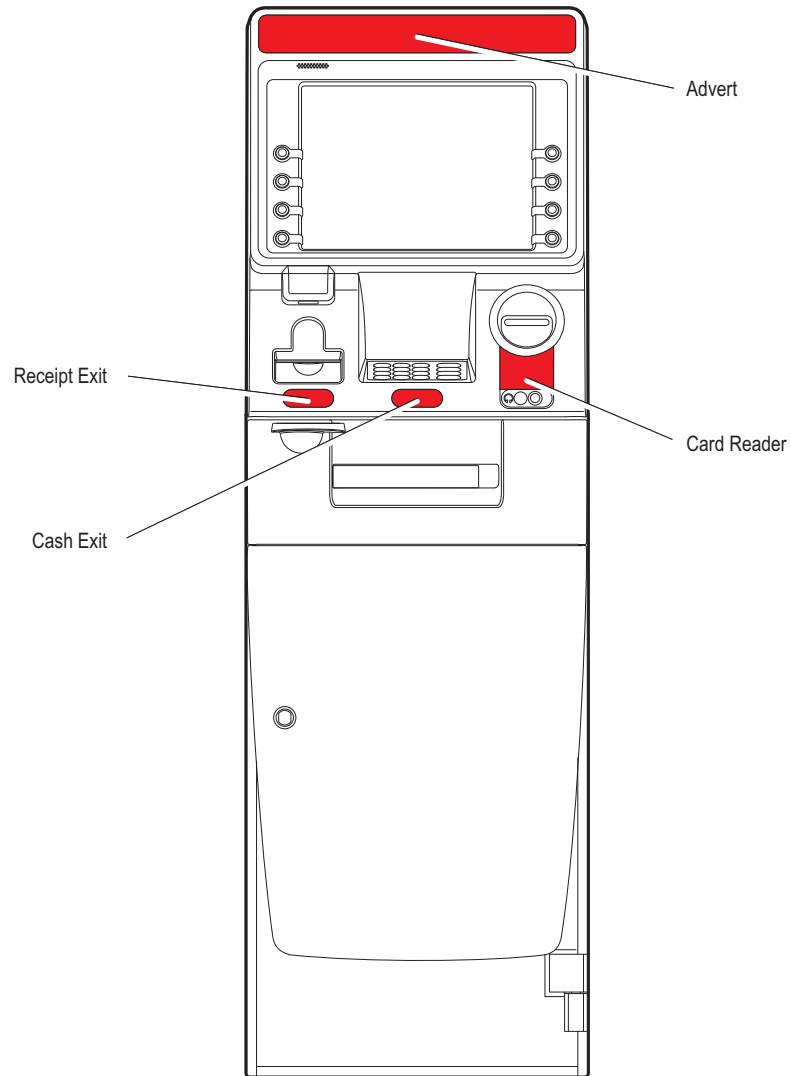


With Camera Lens and Consumer Awareness Mirrors



Decal Placement

The placement of the decals shown in the illustration below.



REVISION RECORD

[illegible]

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