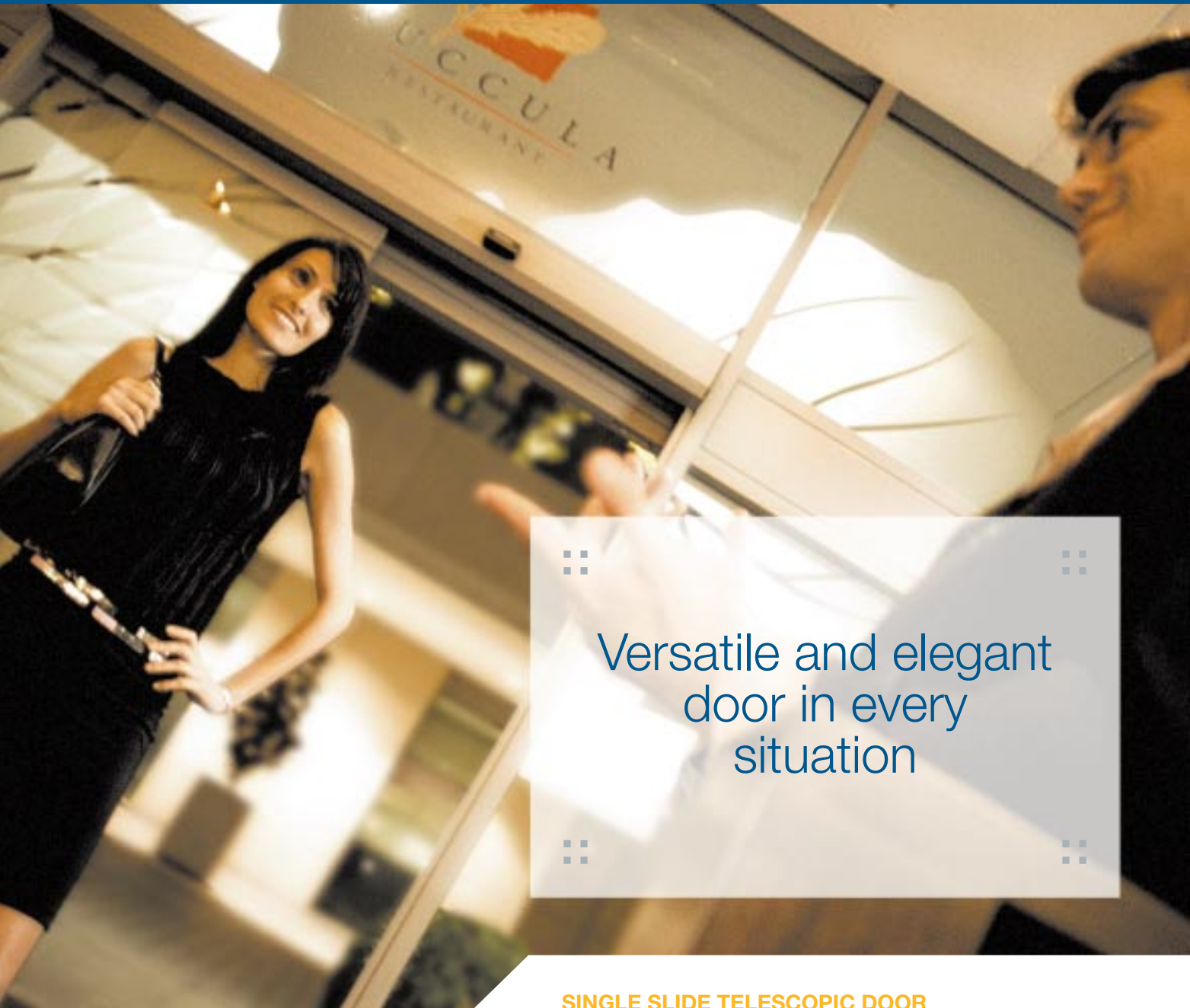
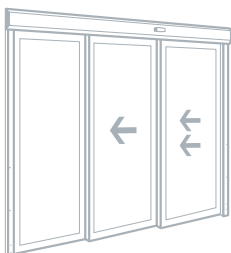


2-leaf telescopic sliding door



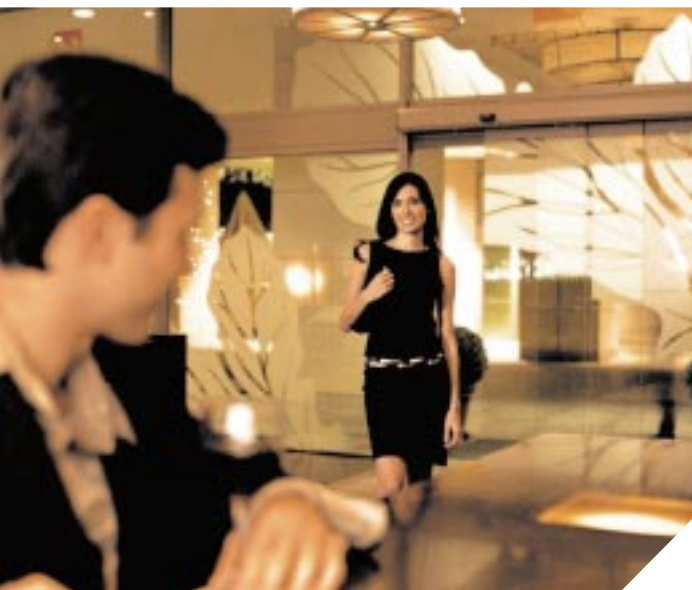
Versatile and elegant
door in every
situation



SINGLE SLIDE TELESCOPIC DOOR Functionality and large opening all-in-one

This type of door is highly recommended in those entrances with restricted side room or when a wide clear opening is needed taking profit of the maximum space available. Provides maximum functionality for reduced spaces. Use it in job sites where people must walk through one side of the opening, even in high traffic applications like corridors, entrance to conference rooms, office partitions, hospitals, airports, hotels, retail shops, etc.

2-leaf telescopic sliding door



- ✓ **Excellent relation between overall width and clear opening**
- ✓ **Ideal for corridors and office partitions**
- ✓ **Accurate synchronization between both sliding leaves**
- ✓ **Silent, robust and smooth operation**
- ✓ **Normal or security floor guides**
- ✓ **Large number of accessories available**
- ✓ **Can be interfaced with any BMS or alarm system**
- ✓ **Possibility to control from a remote PC via ManuLink/ManuTel**

Automatic door consisting of 2 sliding leaves fully synchronized opening in the same direction. The quick leaf opens to the right or left followed by the slower leaf, leaving the maximum clear opening on one side of the door for easy access.

The Bravo operator used to activate the door will provide an excellent opening speed, sliding the fast leaf followed by the slower leaf, thanks to the synchronization belts that move both leaves in perfect harmony during the opening and closing cycles. The extraordinary flexibility of this type of door and the revolutionary concept of a universal motor group will let our service technicians adapt the automatic door to any dimension or requirements in any public building.

An elegant and stylish header frame hides inside a powerful and reliable drive unit, as well as other elements such as large diameter wheels, robust trolleys, a twin track rail and an efficient synchronization device between fast and slow leaves, necessary to guarantee an excellent performance free of malfunctions for many years.

This 2-leaf telescopic door may optionally include a fixed panel on one side, no matter if the door opens to the right or to the left. The wide range of door leaves available (D20, E20 and I30) will help you find the appropriate solution for every project.

Additionally, you will have the possibility to personalize your door using any accessory from our wide range of sensors, control and activation devices. Or connect all Manusa doors in your building to a laptop or PC for control and remote operation purposes.

Choose Manusa as your automatic door and you will benefit of the experience and knowledge of an organization with more than 35 years producing, selling and commissioning automatic doors. Our national and international distribution network, present in more than 40 countries, will help you find the best solution for your needs and will provide a quick and cost efficient after sales service.

Types of leaves



All glass leaf with bottom rail (D20)



20 mm framed leaf (E20)



■ Standard elements

□ Optional

PROGRAM SWITCHES

- Rotative key selector (4 operating modes)
- Optima selector (6 modes + parameters + malfunctions)
- Remote control (IR with rolling-code)
- Interface (I/O module)
- Interface for interlocking gates
- "ManuLink" software: remote control via PC

ACCESSORIES

- Failsafe batteries (open/close)
- Mechanical fail-safe device
- Infrared photocell barriers
- Automatic lock
- Manual floor lock
- Emergency push button
- Key switch
- Buzzer

DETECTION DEVICES

- Microwave PWM radar
- Infrared sensors
- Touch-less IR switch
- Numeric access keypad
- Magnetic card reader
- "Pharmacy" opening
- Opening push button

ADJUSTABLE PARAMETERS

- Self-adjustment
- Opening speed
- Closing speed
- Closing force
- Hold open time
- Automatic lock activation delay
- PWM radar sensitivity
- Malfunction alerts via display

STRUCTURAL

- Goal posts
- Aluminium suspension beam
- Aluminium cover for standard beam
- Security floor rail

WARRANTY

- 1 year warranty
- 5 years warranty on motors
- "ManuTel": Remote maintenance via GSM or landline modem

Finish options

- I. Powder coated. Any colour from the RAL colour chart.
- II. 21µ anodized, as per EURAS classification.

- III. AISI 314 and AISI 316 stainless steel cladding. Consult factory.

- IV. Other finish options are also available upon request



30 mm framed interlocking leaf (I30)

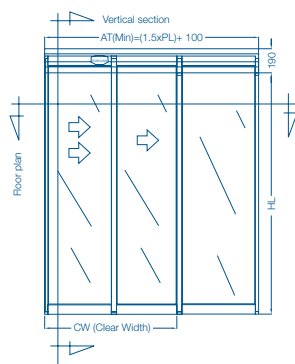
Certifications:



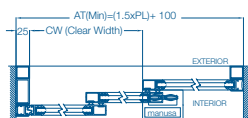
2-leaf telescopic sliding door

Dimensions

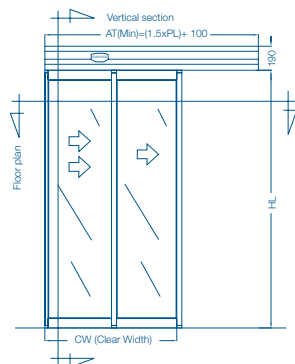
Elevation - Right side opening



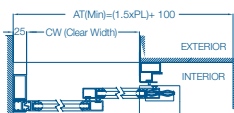
Floor plan



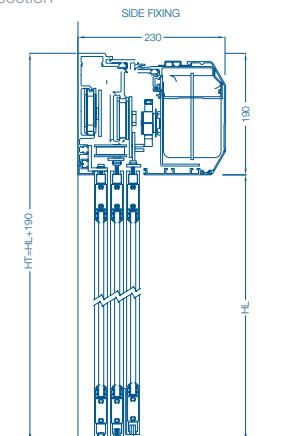
Elevation - Right side opening



Floor plan



Vertical section



Technical specifications

MECHANICAL FEATURES (2-L TEL)	BRAVO OPERATOR	PALMA OPERATOR
Operator standard dimensions	231x190 mm	231x190 mm
Operator dimensions with suspension beam	275x190 mm	275x190 mm
Maximum operator length	4100 mm	4100 mm
Self-supported up to	2500 mm	2500 mm
With suspension beam, self-supported up to	4100 mm	4100 mm
Maximum clear width	2000 mm	1400 mm
Minimum clear width	900 mm	900 mm
Maximum recommended clear height	2700 mm	2700 mm
Maximum leaf weight (2-L TEL)	2x75 Kg	2x60 Kg
PERFORMANCE	BRAVO OPERATOR	PALMA OPERATOR
Opening speed per leaf. Adjustable	50 - 100 cm/s	50 - 80 cm/s
Relative opening speed (bi-part). Adjustable	- -	- -
Closing speed per leaf. Adjustable	15 - 40 cm/s	15 - 40 cm/s
Closing force. Adjustable	40 N - 150 N	40 N - 150 N
Acceleration	2.0 m/s ²	1,6 m/s ²
Independent adjustment of speed and force	YES	YES
ELECTRICAL FEATURES	BRAVO OPERATOR	PALMA OPERATOR
Standard power supply	230v 50-60Hz±15%	230v 50-60Hz±15%
Optional power supply	110v 50-60Hz±20%	110v 50-60Hz±20%
No. and type of motors	2xAC Three-phase	1xAC Three-phase
Inverter technology (exclusive of manusa)	VV-VF	VV-VF
Direct drive transmission	Without reduction gear	Without reduction gear
Power consumption during operation	265 W	210W
Fuse protection	4A	4A
Environment temperature during operation	-20°C - 65°C	-20°C - 65°C
Rechargeable fail-safe batteries	1x24v DC 700mA	1x24v DC 700mA
SAFETY	BRAVO OPERATOR	PALMA OPERATOR
Safety stop/reverse	YES - Adjustable	YES - Adjustable
Infrared barriers	1 or 2	1 or 2
APPLICABLE EUROPEAN STANDARD prEN 12650		
Low voltage	73/23/CEE	
Electromagnetic Compatibility (EMC)	89/336/CEE (AS 4251.1)	
Construction products	89/106/CEE	
Safety of machinery	89/392/CEE - 91/368/CEE - 93/44/CEE	

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■ ■ Distributor: ■ ■

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