

TYPES OF LEAVES

	ACTIVA+ II (2 motors)		ACTIVA+ I (1 motor)	
	Bi-part	Single slide	Bi-part	Single slide
All glass (T20 and R20)	✓	✓	✓	✓
All glass with top and bottom rails (D20 and F20)	✓	✓	✓	✓
20 mm framed (E20)	✓	✓	✓	✓
30 mm interlocking (I30)	-	-	-	-
44 mm framed (C44)	-	-	-	-

TECHNICAL FEATURES (*)

	ACTIVA+ II (2 motors)		ACTIVA+ I (1 motor)	
	Bi-part	Single slide	Bi-part	Single slide
Operator height	100 mm	100 mm	100 mm	100 mm
Maximum clear opening	2000 mm	1400 mm	2000 mm	1000 mm
Maximum weight per leaf	2x90 Kg	1x120 Kg	2x60 Kg	1x90 Kg
Relative opening speed (bi-part), adjustable	100 - 140 cm/s	-	100 - 140 cm/s	-
Opening speed per leaf, adjustable	50 - 70 cm/s	50 - 70 cm/s	50 - 70 cm/s	50 - 70 cm/s
Closing speed per leaf, adjustable	15 - 40 cm/s	15 - 40 cm/s	15 - 40 cm/s	15 - 40 cm/s
Closing force, adjustable	40 - 150 N	40 - 150 N	40 - 150 N	40 - 150 N
Acceleration	1.2 m/s2	1.2 m/s2	1.0 m/s2	1.0 m/s2
Independent adjustment of speed and force	YES	YES	YES	YES

COMMON FEATURES

Power supply	230 V - 50/60 Hz (115 V - 50/60 Hz under request)
Motor	1 or 2 brushless three-phase AC motors, without reduction gear
Inverter technology (exclusive of Manusa)	Independent adjustment of Voltage and Frequency (VVVF)
Environment temperature range	-20° to +65°C
Rechargeable fail-safe batteries	1 x 24 DC 400 mA
Safety stop/reverse	YES
Infrared barriers	1 or 2
Fuse protection	2 Amp
Motion transmission	Crossed dragging arms

APPLICABLE EUROPEAN STANDARD
EN16005

Low voltage	2006/95/CE
Electromagnetic compatibility	2004/108/CE
Construction products	305/2011/CE
Safety of machinery	2006/42/CE UNE-EN ISO 121

Accessories

(*) See technical features in the individual brochures of each product



Rotative key selector



Optima selector



Remote control



Automatic lock



Infrared sensor



Touch-less IR switch



IR photocell beams



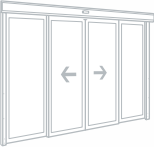
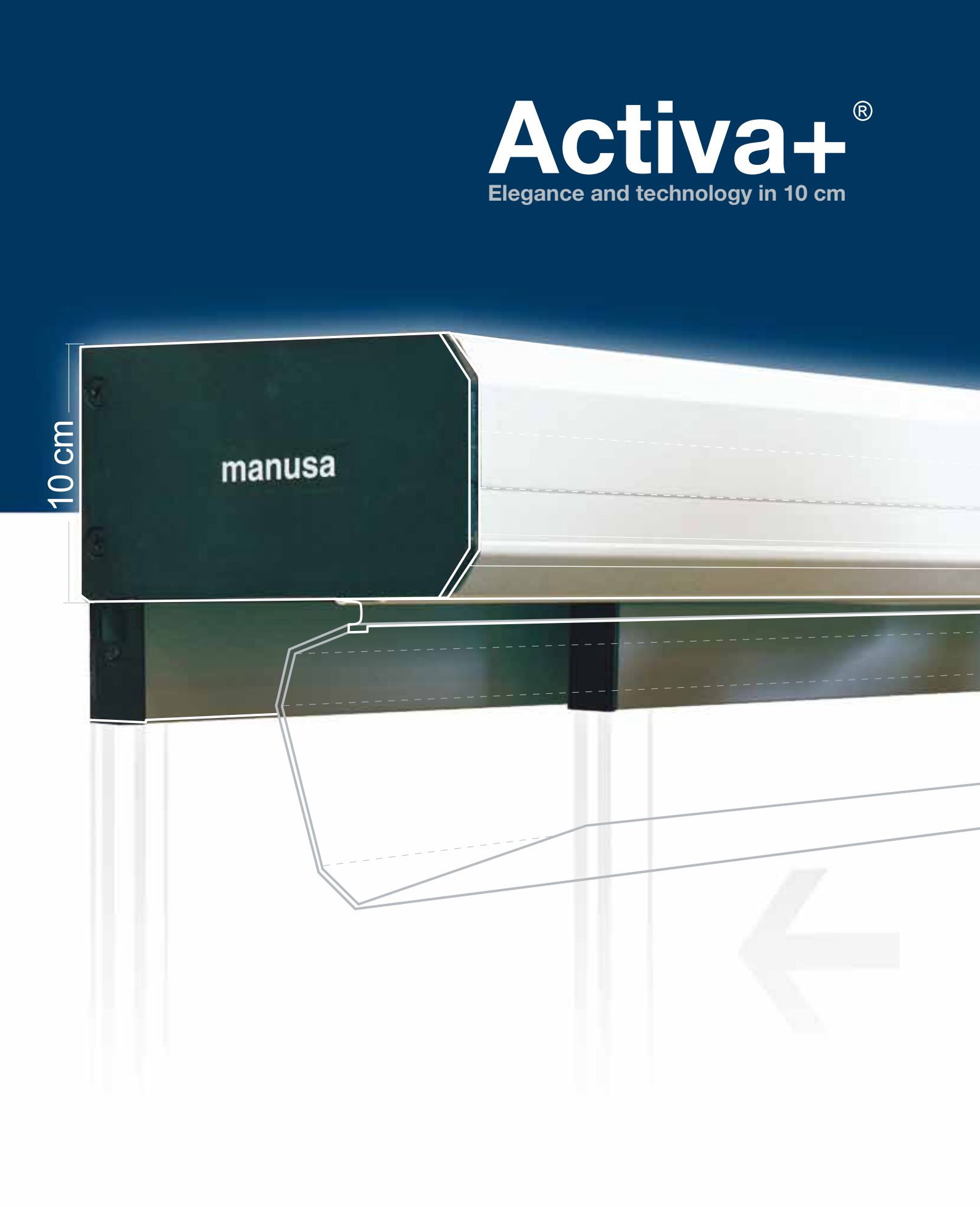
Basic and air-lock
Interface (I/O module)



ManuLink software

Other accessories available

- Outside key switch
- Manual floor lock
- Emergency push button
- Microwave radar
- Numeric key-pad
- Buzzer
- Opening push button
- Manutel: remote maintenance via modem



Activa+[®]



Robust profiles
Up to 5 mm thick



Hinged cover
Front cover with rubber hinge with quick access to the drive unit, making maintenance easier



Independent track rail
Insulated and easy to replace, provides smooth and silent operation



Robust three phase AC motors
without reduction gear.



Revolutionary electronic board
32-bit microprocessor and exclusive inverter technology with independent adjustment of voltage and frequency (VVVF)

MANUSA TECHNOLOGY

- ✓ Design and elegance in a 10 cm header frame
- ✓ Fast and easy installation
- ✓ Universal motor group
- ✓ A unique inverter technology exclusive of Manusa provides independent adjustment of force and speed (VVVF)
- ✓ Three phase AC motors without reduction gear, to guarantee a silent operation
- ✓ Electronic board with 32-bit microprocessor
- ✓ Two trolleys per leaf with large diameter wheels
- ✓ Crossed dragging arms for quick installation
- ✓ Magnetic encoder to determine the position, direction and speed of the door leaves
- ✓ ManuLink: centralisation and management of up to 256 Manusa doors from a remote PC
- ✓ ManuTel: maintenance from a remote PC via landline or GSM modem

MAXIMUM SAFETY

- ✓ Connection for 2 photocell barriers
- ✓ Emergency fail-safe batteries to open the door in the event of power failure. Parameters resume when power is restored
- ✓ Safety stop/reverse
- ✓ Automatic compensation of friction
- ✓ Independent adjustment of parameters: opening speed, closing speed, closing force, hold-open time, closing delay time and reduced opening
- ✓ Continuous self-monitoring with immediate alert of malfunctions via digital display (optional)
- ✓ Active IR sensor with motion and presence detection
- ✓ Emergency push button (optional)
- ✓ Bi-stable automatic lock (optional)
- ✓ Automatic self-adjustment on turning power on

