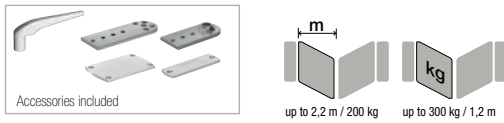
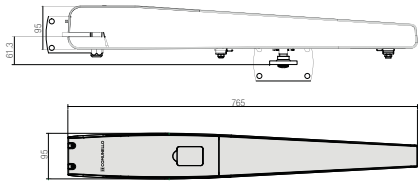
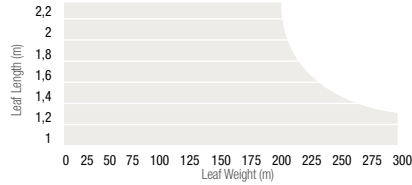


# ABACUS 220

For leaves up to 2,20 m (Max leaf weight: 200 kg). For leaves up to 300 kg, max leaf length is 1,2 m



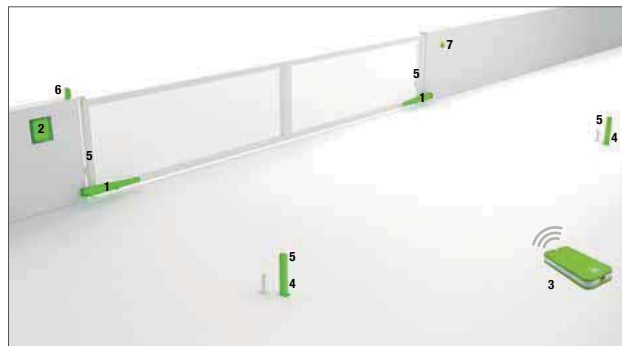
### OPERATING LIMITS



		AS220													
		80		100		120		140		160		180		200	
Y	K	Z	α <sub>max</sub>	Z	α <sub>max</sub>	Z	α <sub>max</sub>	Z	α <sub>max</sub>	Z	α <sub>max</sub>	Z	α <sub>max</sub>	Z	α <sub>max</sub>
		100	568	55	548	60	528	65	508	75	488	85	468	95	448
120	567	60	549	65	529	75	509	85	489	90	469	105	449	120	410
140	566	65	546	70	526	80	506	90	486	100	466	110	446	125	405
160	564	70	546	75	527	85	508	95	489	105	469	115	449	125	405
180	564	75	544	85	526	95	506	105	486	115	466	125	446	135	405

AC 80  
AC 85

ARTICLE	CODE	DESCRIPTION	PACKAGE	WEIGHT	PALETTE
ABACUS 220 24V FM	GAS220MOL0B00	24V with mechanical stops	1 pcs.	8 kg	64
ABACUS 220 24V FE	GAS220EOL0B00	24V with electronic limit switches	1 pcs.	8 kg	64
ABACUS 220 24V FE E	GAS220EEL0B00	24V with encoder and electronic limit switches	1 pcs.	8 kg	64
ABACUS 220 230V FM	GAS220MOH0B00	230V with mechanical stops	1 pcs.	8,6 kg	64
ABACUS 220 230V FM E	GAS220MEH0B00	230V with mechanical stops and encoder	1 pcs.	8,6 kg	64



### INSTALLATION CHART

- 2 ABACUS 220 24V FE E - GAS220EEL0B00  
24V with encoder and electronic limit switches
- 1 QUAD 24V HP - GQJADHP2LOG00  
Control unit for 1/2 motor 24V HP
- 1 KEEP 2 RC - GKEEP2STNOB00  
2 Channels rolling code Remote control
- 2 MAST 50 - GMA50G5NOB00  
Extruded aluminum column h. 50 cm
- 2 DART - GDARTSTNOB00  
Photocells
- 1 SWIFT - GSWIFTSTLYB00  
Flashing signal light
- 1 INDEX - GINDEXSTNOB00  
Key operated switch
- 1 AC-50 - GBATTERYLOG00  
Battery kit

### TECHNICAL CHARACTERISTICS

Electrical information	AS220 24V FM	AS220 24V FE	AS220 24V FE E	AS220 230V FM	AS220 230V FM E
Power supply	24 VDC	24 VDC	24 VDC	230 VAC	230 VAC
Power consumption	70 W	70 W	70 W	180 W	180 W
Current input	3 A	3 A	3 A	0,8 A	0,8 A
Maximum thrust	1500 N	1500 N	1400 N	1400 N	1400 N
Nominal thrust	500 N	500 N	400 N	400 N	400 N
Duty cycle	intensive use	intensive use	intensive use	50%	50%
Protection rating (IP)	IP44	IP44	IP44	IP44	IP44
Insulation class	2	2	2	1 (earthing)	1 (earthing)
Working temperature	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C	-20°C / +50°C
No-load speed	18 mm/s	18 mm/s	18 mm/s	16 mm/s	16 mm/s
Weight	8 kg	8 kg	8 kg	8,6 kg	8,6 kg

### ABACUS 220

#### ACCESSORIES from page 186 a 187



#### CONTROL ACCESSORIES from page 208 a 243



#### SAFETY ACCESSORIES from page 244 a 251

