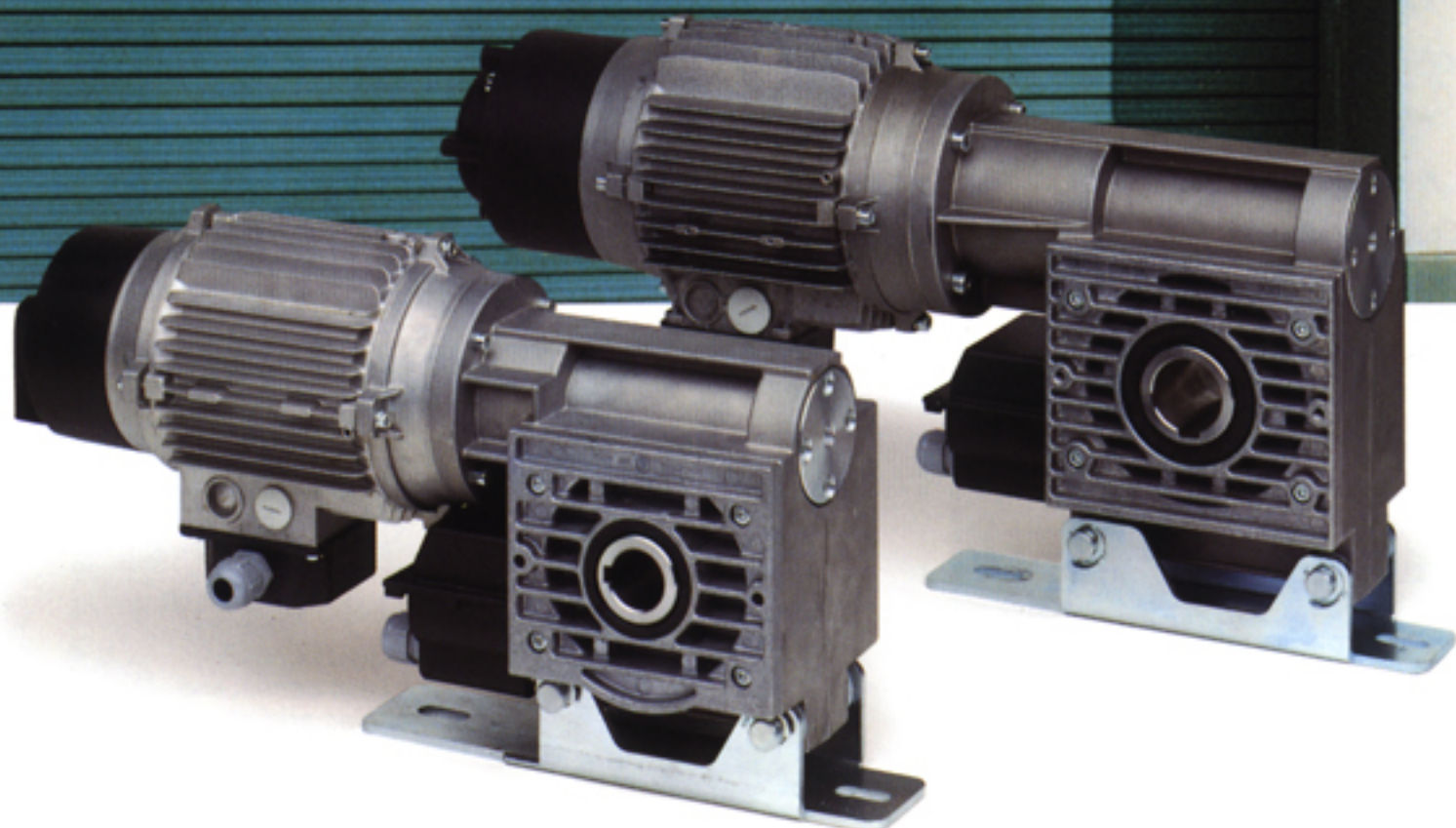
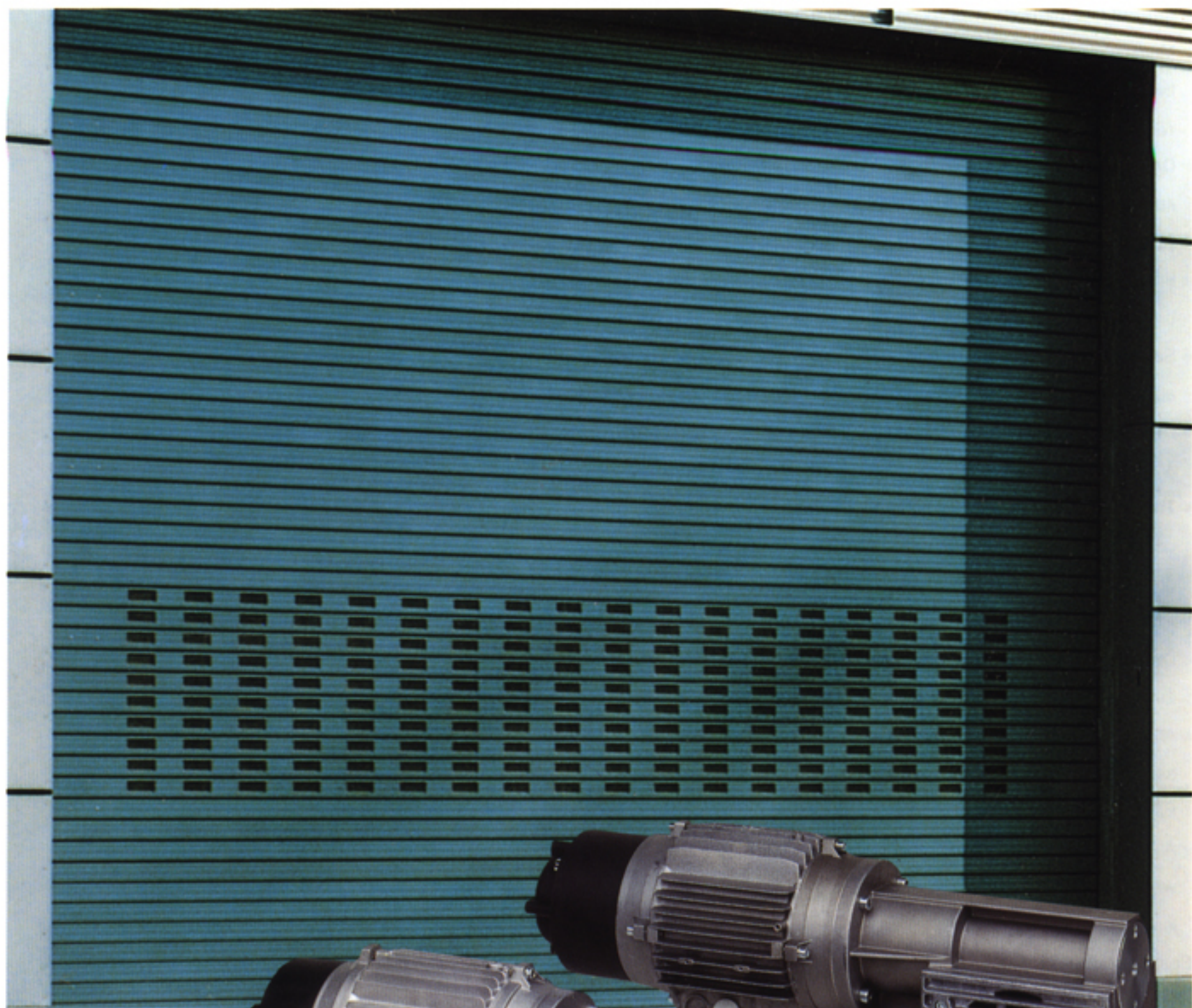


elero rolling door drives



Exploring New Horizons



A flexible drive,
perfectly controlled



Features and benefits

- Maintenance free, low noise, three phase, plug in drive requiring reduced sideroom.
- Designed to suit a range of applications with output torques of 170, 250, 350, 500 and 750 Nm.
- Integral, maintenance free safety brake.
- Safety brake is TÜV-tested and approved by trade associations.
- Drive protection IP 54, control protection IP 65.
- The drive with electronic limit cut-out combined with electronic control provides the greatest advantages.

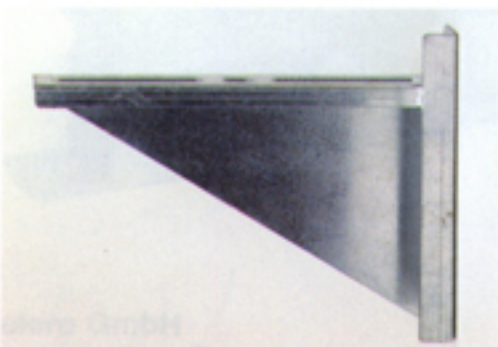
Variety of applications

- Drive can be fitted on either side of the door.
- All drives can also be supplied as chain wheel drives with a transmission ratio of 1 : 1.
- All types of drive can be supplied with either mechanical or electronic limit cut-out.

Easy installation

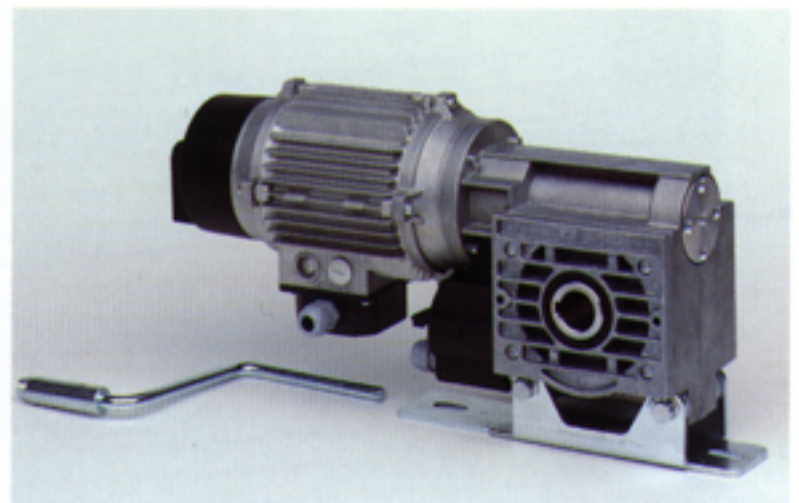
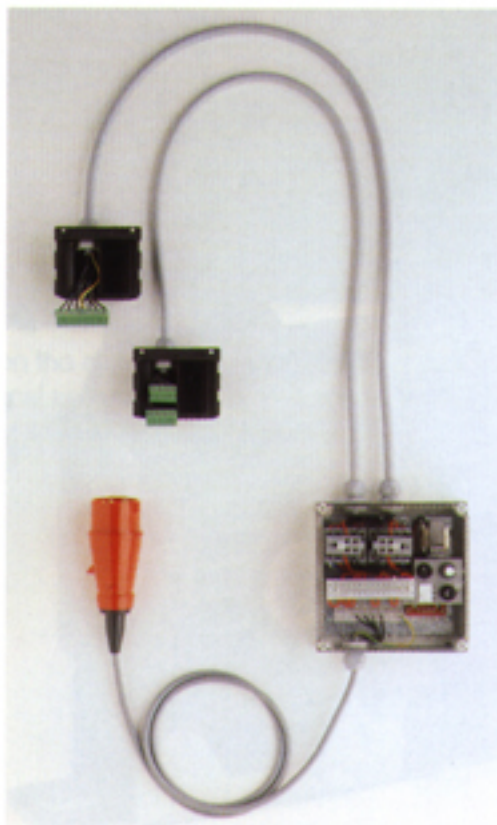
- Plug in cable connections for ease of installation.

 Wall bracket Type DF 170-350.

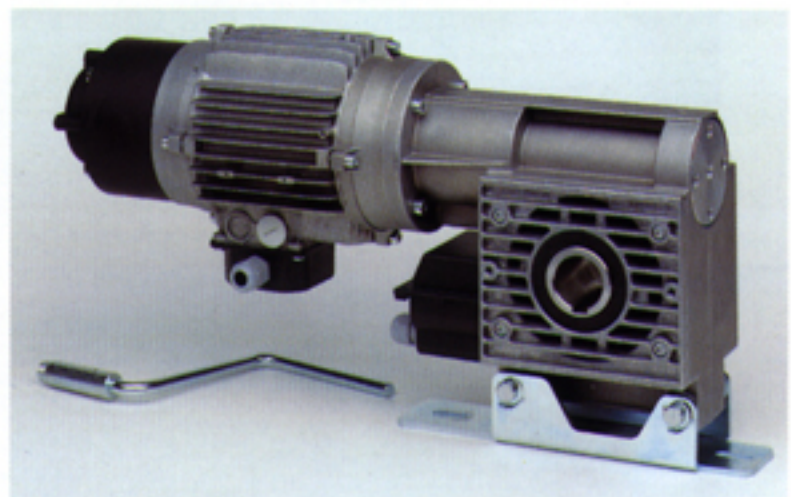


The advantages of electronics

- All electronic functions can be adjusted at floor level at the control unit.
- Control voltage 24 V_{DC}.
- An EMERGENCY stop button and UP/STOP/DOWN keys are fitted as standard to the electronic control unit cover.
- Microprocessor control with EEPROM, i.e. no loss of data in the event of a power failure.
- Dipswitches make it easy to set modes (e.g. dead-man mode, self-locking etc.)
- Mains rotating field monitoring
- Winter setting (intermediate stop) option.
- Speed monitoring.
- LED diagnostic display.




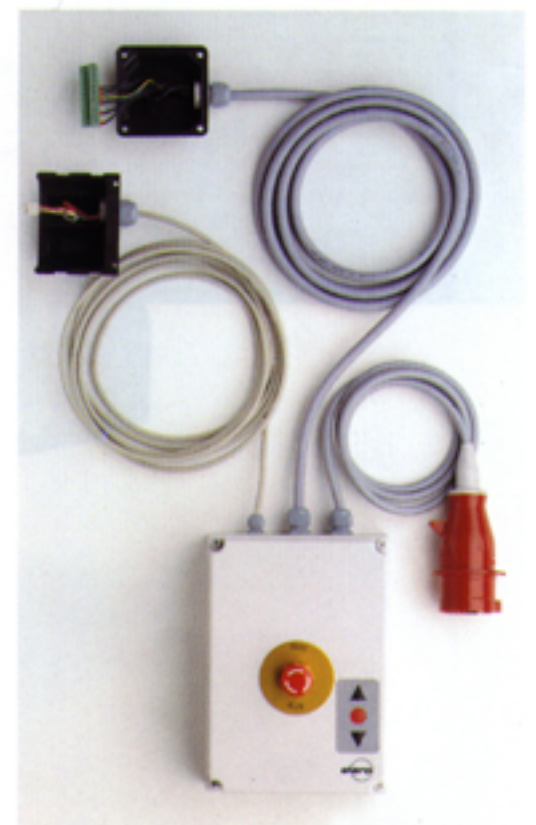
Type DF 170/250/350 with hand crank facility.




Type DF 500/750 with hand crank facility.

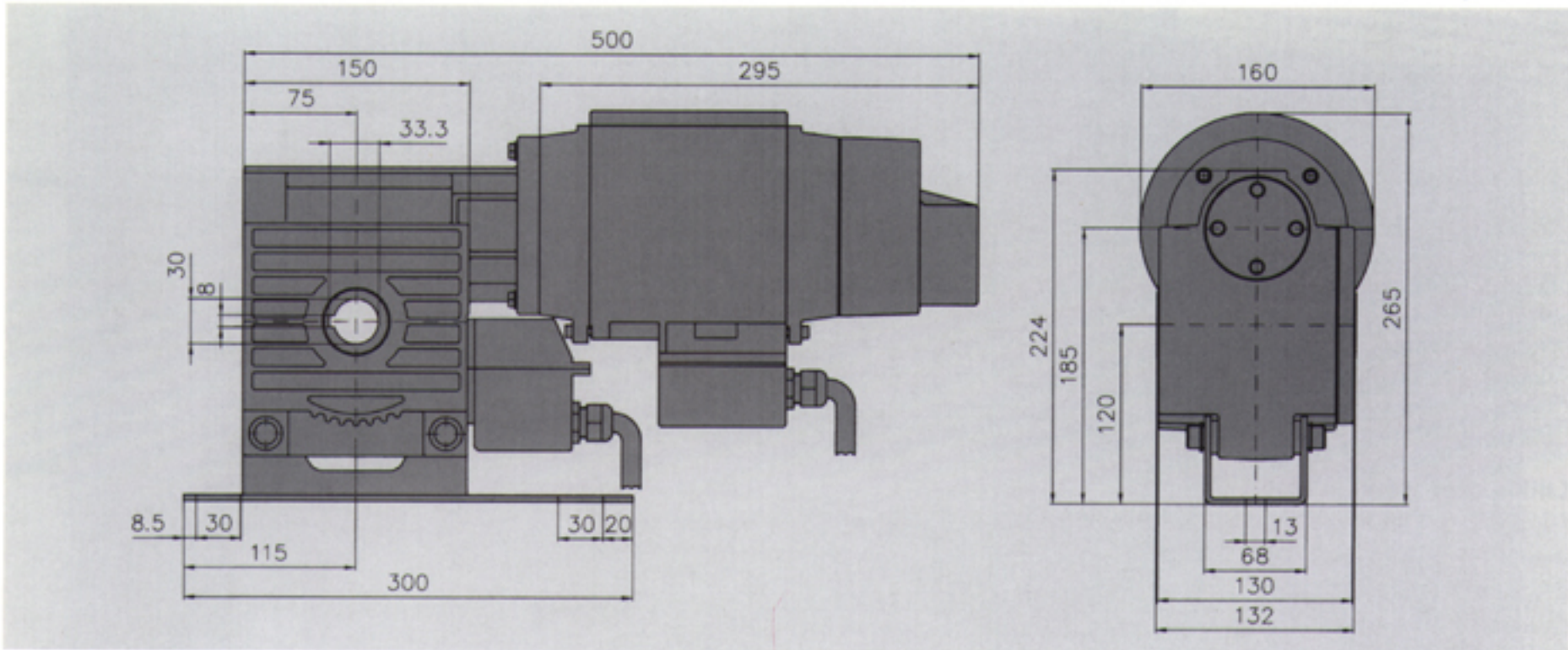


 Reversing relay with 1 m connecting cables and plugs, and CEE plug with 1.5 m of cable.

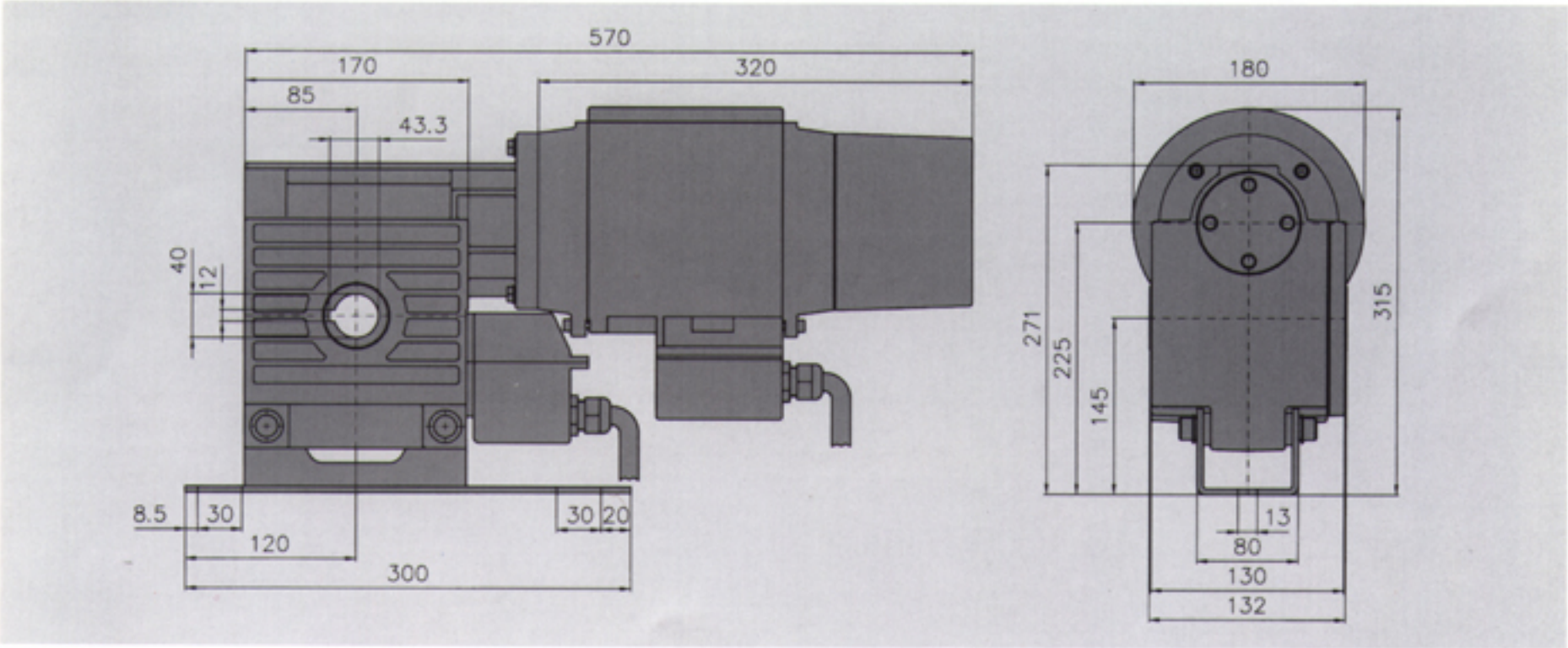


 Electronic control unit with 4 m connecting cables and plugs, and CEE plug with 1.5 m of cable.

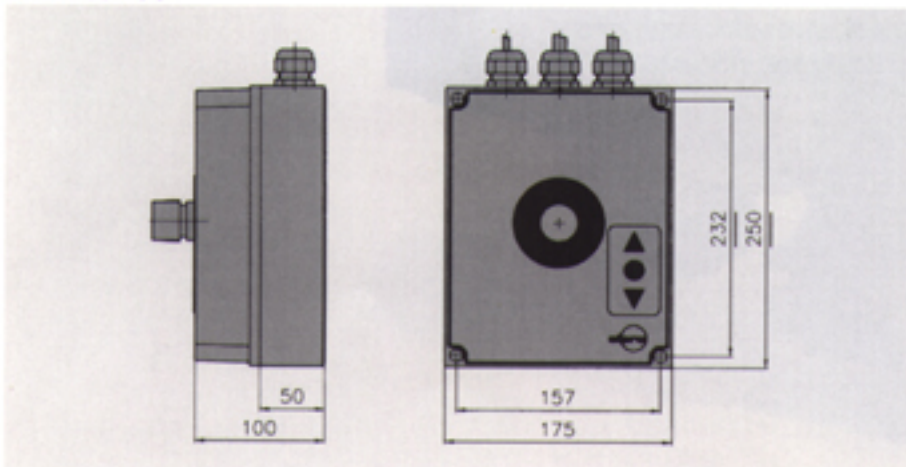
Compact design



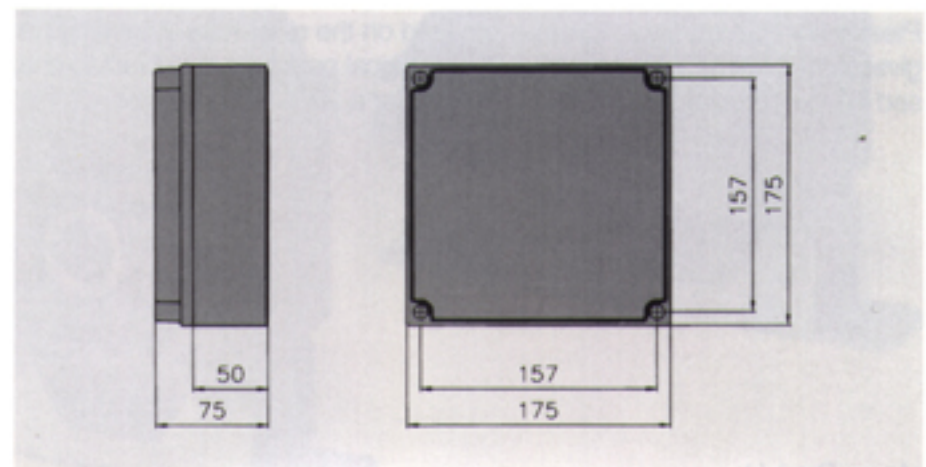
DF 170/250/350



DF 500/750



Electronic control



Reversing relay

Technical specifications

Technical data

Type		DF	DF	DF	DF	DF
		170/12,5 NHK	250/12,5 NHK	350/13,5 NHK	500/11 NHK	750/11 NHK
Operating voltage	V	3 - 230/400	3 - 230/400	3 - 230/400	3 - 230/400	3 - 230/400
Frequency	Hz	50	50	50	50	50
Motor nominal current	A	3,2	5,2	5,2	5,7	6,9
cos φ		0,7	0,76	0,79	0,72	0,75
Insulating class		F	F	F	F	F
Power	kW	0,55	1,00	1,00	1,30	1,70
Torque	Nm	170	250	350	500	750
Protection class	IP	54	54	54	54	54
Motor rating S3	%	60	60	60	60	60
Speed n1	rpm	950	950	950	950	950
Speed n2	rpm	12,5	12,5	13,5	11	11
Limit switch range (set to central position 10 turns)	turns	20	20	20	20	20
TUV Bavaria Saxonia		approved	approved	approved	approved	approved
Test reference	A.BE	96086	96086	96086	96087	96087

Lifting capacities (in kg)

Type	Torque Nm	Tube mm	profile thickness up to 20 mm single skin door height up to			profile thickness up to 30 mm double skin door height up to		
			3 m	5 m	7 m	3 m	5 m	7 m
			DF 170/12,5	170	100	199	172	154
	170	133	179	161	146	151	132	119
	170	159	165	152	140	141	127	117
	170	168	158	148	137	139	126	115
	170	193	141	137	130	130	119	110
DF 250/12,5	250	100	293	253	226	237	204	181
	250	133	263	236	215	222	194	175
	250	159	243	223	206	208	187	172
	250	168	232	218	202	204	185	169
	250	193	207	201	191	191	176	162
DF 350/13,5	350	100	410	354	316	332	285	254
	350	133	368	331	301	311	272	245
	350	159	340	313	289	291	262	240
	350	168	325	305	283	285	259	236
	350	193	290	282	267	267	246	227
DF 500/11	500	133	526	473	430	444	388	350
	500	159	485	446	413	416	374	343
	500	168	464	436	404	411	370	337
	500	193	414	403	382	382	351	324
	500	244	340	340	335	318	314	298
DF 750/11	750	133	789	709	645	666	582	525
	750	159	728	670	619	623	561	515
	750	168	697	653	606	616	555	506
	750	193	622	604	573	573	527	486
	750	244	510	510	502	477	471	447

Please observe admissible maximum load on the roller tube. These figures are indicative values only and given without liability. Dimensions and technical parameters subject to change. The figures indicated are based on the complete door weight allowing for a 20% friction factor.