Catalogue 2021

* 🖘 🔟 65% 🗎 15:1

Settings

Adjust limits

Nice Industrial Door and loading dock controllers I3.03 / Nice D-Pro-1.30 [BE] ready

> D-PRO connected.

Hold to

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para

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Nice

Industrial Door

Automation and management systems for industrial doors catalogue.





Nice opens up your business

Powerful and safe automation systems, easy to install and program.



The strength of the Nice solutions

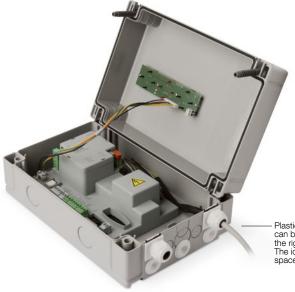
Reliable and versatile control units for industrial and commercial doors. Numerous functions at your fingertips.





Nice D-Pro Action

Easy to program and to use



Plastic box, more practical, can be opened on either the right or left side. The ideal solution in confined spaces. OPERA

Practical door operation with Up - Stop - Down buttons on the box cover Nice O Pro Action C Long-lasting and very resistant in wet and dusty environments

Control units for motors with mechanical limit stop or electronic limit switch, both automatic and deadman operation.

Suitable for all types of motor, single phase without integrated inverter and three-phase, with 2.2 kW maximum power.

Easy programming and 2 LEDs for diagnostics.

High performance, with possibility of adding a dedicated module for optional potential free outputs. Compatible with all types of sensitive edges, including wireless.

User-friendly: thanks to the O-View programmer with multifunction display for connection through the IBT4N interface (both optional).

Safe: protected by a plastic shell, to avoid any risk of electrical shock.

Radio receiver: dedicated slot to connect a Nice OXI plug-in receiver.

Smart, the maintenance service warning can be programmed according to the number of manoeuvres required.

ACCESSORIES FOR D-PRO ACTION CONTROL UNITS



NDA040 For optional potential free outputs.



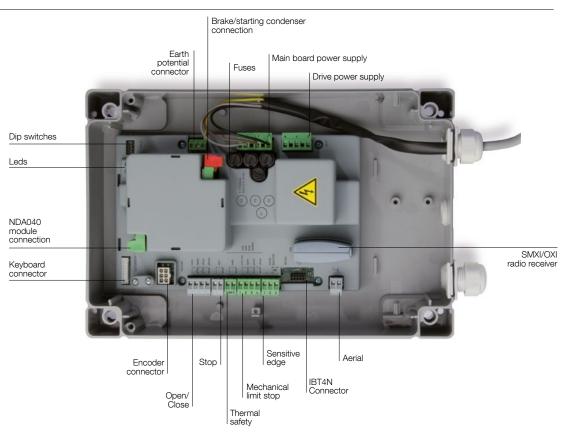




OVIEW Control unit programming and monitoring device.



IT4WIFI Smart Wi-Fi interface to control via smartphone Nice automations compatible with the BusT4 (Opera) protocol.



D-PRO ACTION CONTROL UNITS

Code	Description	Pcs./Pack	
NDCC2000	Control unit for one motor, 400 Vac three-phase, 2.2 Kw	1	
NDCC2100	Control unit for one motor, 400 Vac three-phase with integrated brake rectifier, 2.2 kw	1	
NDCC2200	Control unit for one motor, 230 Vac single-phase, with integrated condenser control, 2.2 kw	1	

ADDITIONAL MODULES

Code	Description	Pcs./Pack
NDA040	Additional module providing the control unit with two potential free programmable outputs	1
IBT4N	Additional interface enabling the control unit to communicate with O-View through the nice BusT4 technology	1
OVIEW	Unit for control, programming and diagnostics of the control unit	1
IT4WIFI	Smart Wi-Fi interface to control via smartphone Nice automations compatible with the BusT4 (Opera) protocol.	1

TECHNICAL SPECIFICATIONS

Code	NDCC2000/NDCC2100/NDCC2400	NDCC2200/ NDCC2500			
Power supply (Vac 50/60 Hz)	400	230			
Max motor power (kW)	2.2				
Power in standby (W)	< 5				
Pre limit input	programm	nable			
External inputs	Up, Down and Photo	(programmable)			
Stop input		Up, Down and Photo (programmable) For sensitive edges of a normally closed and normally open type, opticals, 8.2 KΩ resistive and 8.2 KΩ pneumatic			
Extra output	2 free programmable and potential free co	ntacts (by means of NDA040 module)			
Services Output	24 Vdc max	(0.1 A			
Operating temperature (°C)	-20 ÷ +	-50			
Protection class (IP)	55				
Dimensions (mm)	210x125x	310 h			
Weight (kg)	2.5				

Nice **D-Pro Automatic**

The most advanced and versatile



Easy programming, immediate reading of system status and diagnostics by means of the large 4-digit display integrated in the cover

Plastic box, more practical, can be opened on either the right or left side. The ideal solution in confined spaces.

Control units for motors with mechanical limit stop or electronic limit switch, both automatic and deadman operation. In compliance with all European norms and certified by TÜV NORD CERT GmbH.

Suitable for almost all industrial motors on the market. single phase with or without integrated inverter and three-phase, with 5.5 kW maximum power.

Easy programming and immediate diagnostics thanks to the 4-digit display integrated in the cover.

High performance, with possibility of adding dedicated modules for additional functions such as traffic lights and loop detectors and to connect external transmitters. Compatible with all types of sensitive edges, including wireless.

The ideal solution for interlocking doors: thanks to the dedicated function, the control unit can be used to operate a number of doors in succession, to restrict or control entry to and from areas that need to be secured against two or more doors being open simultaneously.

Safe: protected by a plastic shell, to avoid any risk of electrical shock.

Radio receiver: dedicated slot to connect a Nice OXI plug-in receiver.

Smart, the maintenance service warning can be programmed according to the number of manoeuvres required.

Customizable: further button configurations are available on request, such as emergency stop switch.

The TÜV NORD CERT GmbH certification and compliance with EN 12453:2014 mean safety in all situations.

ADDITIONAL MODULES FOR D-PRO AUTOMATIC CONTROL UNITS

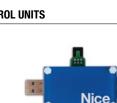


NDA030 NDA070 For a two-way traffic For vehicle detection by light and extra programinduction coils. mable inputs/outputs.



NICE

NDA004 Programming and installation module.

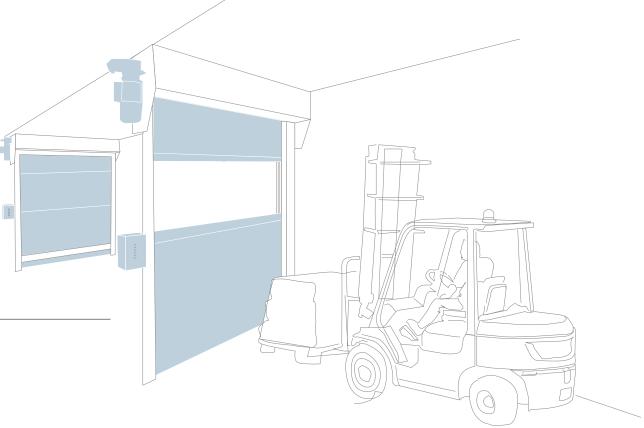




App Nice Industrial

For control unit programming by android smartphone or tablet through Bluetooth connection.





THE ADVANTAGES OF THE NICE AUTOMATION SYSTEM

The integrated interlocking function allows two or more doors to be operated in succession: the ideal solution for cold storage facilities

D-PRO AUTOMATIC CONTROL UNITS

Code	Description	Pcs./Pack
NDCC1003	Control unit for one motor, 400 Vac, three-phase, 5,5 kW	1
NDCC1000	Control unit for one motor, 400 Vac, three-phase, 2.2 Kw	1
NDCC1100	Control unit for one motor, 230 Vac with integrated inverter, 2.2 Kw	1
NDCC1200	Control unit for one motor, 230 Vac single-phase, 2.2 kW	1

TECHNICAL SPECIFICATIONS

Code	NDCC1003	NDCC1000	NDCC1100/NDCC1200				
Power supply (Vac 50/60 Hz)	400	400	230				
Max motor power (kw)	5.5		2.2				
Power in standby (W)		< 4					
Pre limit input		programmable					
External inputs	Up, Dov	wn, Stop, Step-by-step, all pro	ogrammable				
Outputs		3 free programmable outputs					
Stop input		of a normally closed and norr $2 \text{ K}\Omega$ resistive and 8.2 K Ω pne					
Services Output		24 Vdc 600 mA					
Operating temperature (°C)		-20 ÷ +50					
Protection class (IP)		55					
Dimensions (mm)		210x125x310 h					
Weight (kg)		3.5					

ADDITIONAL MODULES

Code	Description	Pcs./Pack
NDA030	Additional I/O expander for D-Pro Automatic control unit with two-way traffic lights function, six more general purpose inputs and four potential free outputs	1
NDA070	Additional 1 or 2 channels module for induction coils connection (12-24 Vdc) with numerous programmable functions	1

Additional tools for more functions



Nice **D-Pro Monitoring and interface modules**

For industrial doors control and management







NDA004 Programming and installation module.

NDA006 Communication module.

NDA008 Repeater module with integrated router.

NICE INDUSTRIAL CONFIGURATION TOOL



configuration by PC.

Modules for the continuous remote monitoring, control and management of industrial doors, including via internet, simply and quickly.

Nice Industrial Configuration Tools

Innovative system to simplify installation, control and monitoring of industrial automation systems. Configuration software tools and the App for the D-Pro Automatic control unit for the **complete** management of complex industrial doors systems by PC, smartphone or tablet.

By adding the NDA006 communication module to each D-Pro Automatic control unit. all the working parameters of the system can be transferred and reported to a NDA008 central control unit using a twowires CAN field bus. The interface allows connection to PCs or servers via intranet or internet connection and also access to D-Pro Automatic parameters, including remotely, to modify them or read the error code history and life cycle.

The ideal solution for large installations, such as logistic centres.

The NDA008 module with integrated router. LAN and USB connections, allows you to access the system remotely, checking it in real time thanks to the possibility of connecting a web cam. Via the management software, the information is accessible directly from a PC connected to an external server.

Better customer support, thanks to more information available.

Collected data may be stored in a central SQL database for further analysis and reporting and can be used for maintenance planning.

Firmware upgrade and bluetooth connection

The NDA004 module for bluetooth connection between D-Pro Automatic and portable devices. smartphones or tablets.

The module can be used to program the limit positions and store the D-Pro Automatic control

unit parameters by means of the new application. The NDA004 allows easy upgrade of the firmware version and transfer of the stored settings from one D-Pro Automatic to another, for quick programming of a group of control units.



Codice

App Nice Industrial

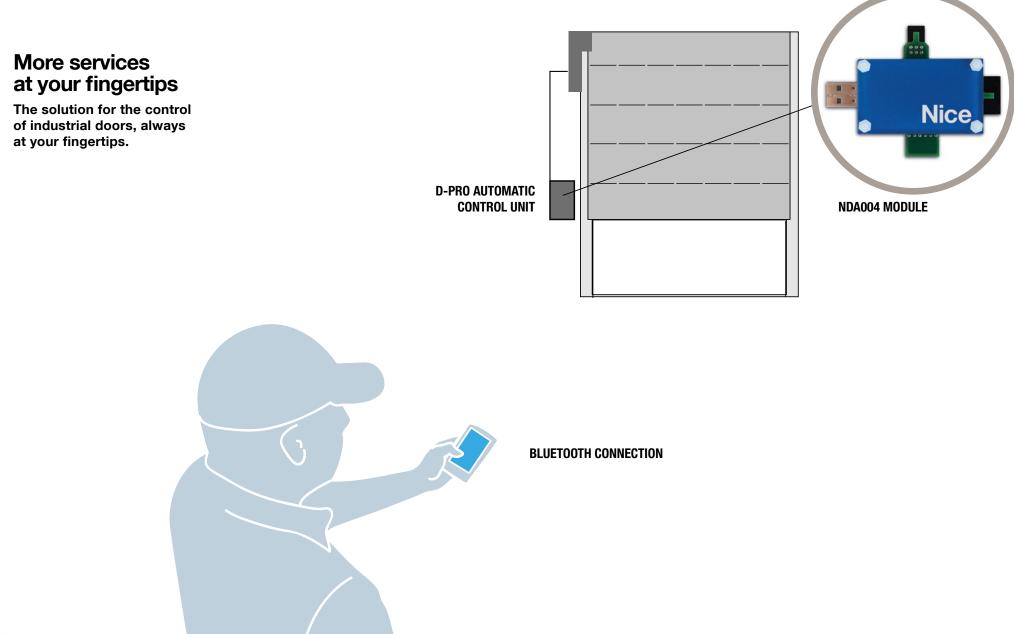
For control unit programming by android smartphone or tablet through Bluetooth connection.



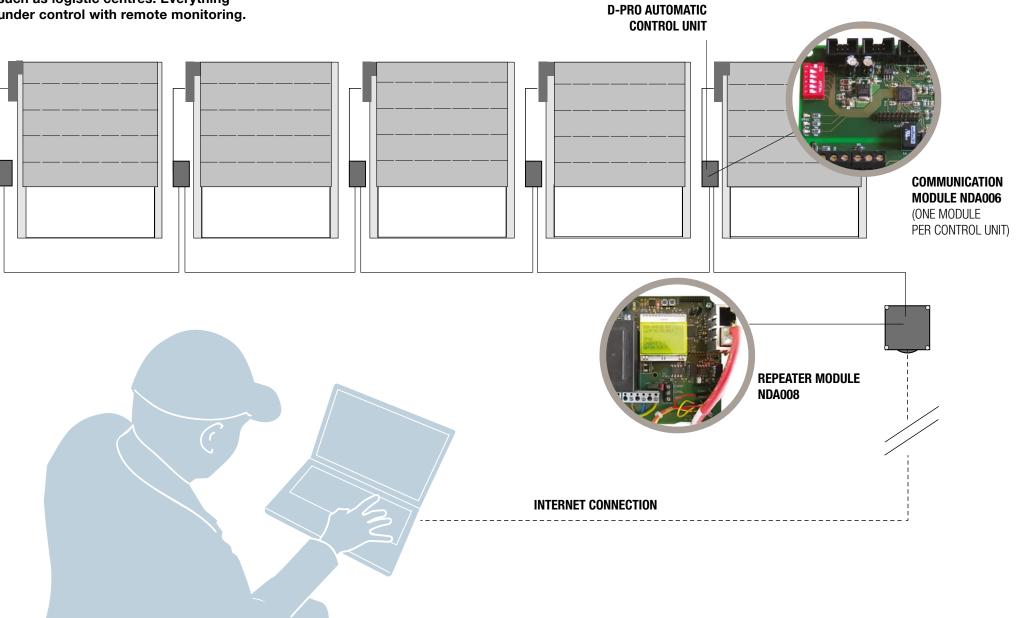
P7./CONF. Descrizione NDA004 Additional module for programming the control unit with the app Nice Industrial through 1 the Bluetooth connection and for quick firmware upgrades or parameters storage NDA006 1 Additional module for Internet and Intranet communication between D-Pro Automatic control units. To be used in combination with the repeater module NDA008 in order to create a network of remotely controllable ports

NDA008 Repeater module with graphic display, in plastic box, to control up to 30 1 communication modules

Take advantage of the Nice automation system



The ideal solution for large installations, such as logistic centres. Everything under control with remote monitoring.



Nice, made-to-measure solutions

Versatile automation systems, easy to install and program.

Take advantage of the Nice gearmotors for industrial automation

- Cutting-edge gearmotors with advanced technology
- Gearmotors for more reliable long-lasting operation
- High quality of detail
- Convenient and practical solutions
- Meets safety requirements

 Performance characteristics compliant with european directives and leading internationally recognized standards, including:
 Directive 2004/108/EC: Electromagnetic Compatibility
 Directive 2006/42/EC: Machinery Directive
 EN 60335-1:2013, EN60335-2-103:2016-05 Safety of electrical products
 TÜV NORD CERT GmbH



SW/SD For sectional doors



RDF For rolling shutters







Nice SW/SD For sectional doors





SERIES SD

Electromechanical gearmotor for sectional doors. Versions for 230 VAC single-phase and 230/400 VAC three-phase, with new mechanical limit stops or electronic limit switches.

Simple installation:

The gearmotor is installed directly on the shaft of the sectional door. Connection cables equipped with connectors simplify electrical installation.

Sturdy

Gearmotor with bronze gears and permanent lubrication.

Practical

- Release available in 3 versions:
- cable release;
- crank emergency;
- chain-operated emergency, the ideal solution for every type of application.

Compact and efficient:

torque up to 140 Nm, speed up to 24 rpm.

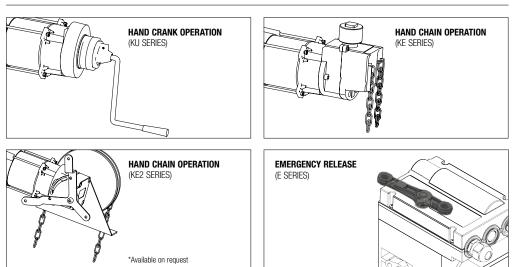
Safety:

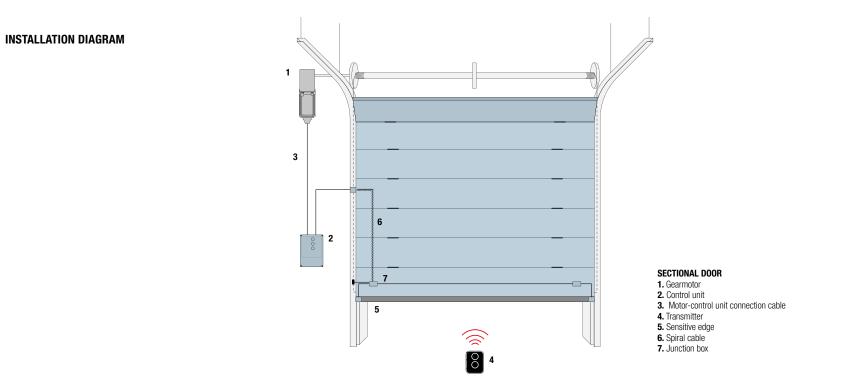
gearmotors compliant with the most recent European standards and directives in terms of safety and technology.

Total Speed Control via Inverter:

All three phase sectional gearmotors are compatible with 230V single phase inverter. Acceleration and deceleration phases can be controlled. Besides door opening and closing speed can be regulated. Nice inverter is easy to install thanks to plug&play connectors to connect it to the control unit.

EMERGENCY OPERATIONS





TECHNICAL SPECIFICATIONS

Туре	SWN-70-20	SWT-70-20**	SD-70-20	SD-80-30	SD-100-24**	SD-120-20	SD-140-20**		
Hollow shaft Ø (mm)			2	5.4			25.4/31.75		
Max. Torque (Nm)		70		80	100	120	140		
Rated torque (Nm)		6	0		80	100	120		
Static safety torque (Nm)			450			600			
Weight lifted* (kg)			3	00			550		
Output speed (rpm)		20		30	24		20		
Motor Power (kW)		0.37		0.55	0.3	0.55			
Limit switch		15 40 15					15/40		
Working voltage (V)	1~	230			3~230/3~400				
Working frequency (Hz)				50					
Rated current (A)	2.3	2.8	1.5	1.5	1.9	1.5	1.8		
Cycles/hour		5	6	6	7	5	6		
Connection cable (n° x mm ²)				4x1.5mm ² - 6x0.75mm ² - 2x0.75mi	m²				
Operating temperature (°C)				-5 ÷ +40					
Noise dB(A)				<70					
Protection rating (IP)				54					
Weight (kg)	13.2	11.5	11.1	12	11.1	11	12		

*For balanced door with 1-4 compensation springs with 160mm rope drum, observe the permitted cables forces and the general rules of safety. ** TÜV tested

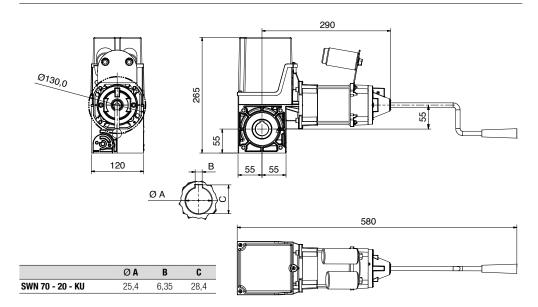
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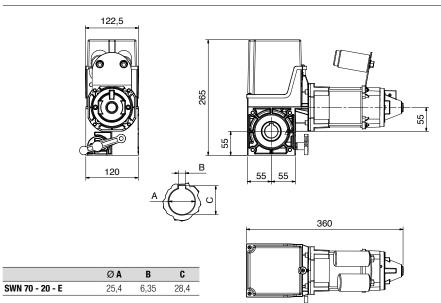
How to choose the ideal motor for sectional doors

SW/SD industrial drives

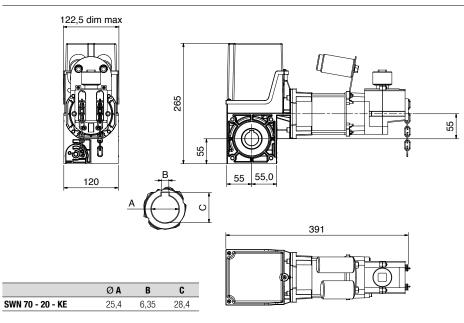
								Suitable Cable	•	Suitable	Control unit
								Code		С	ode
				0							C - C - Ken O
			Description	Hand crank (KU)	Hand chain (KE)	Manual release (E)	5 m cable	7 m cable	11 m cable	D-Pro Action	D-Pro Automatic
	Power supply	Limit switch type	Type - Nm - Rpm - Hollow shaft	Trade Code	Trade code	Trade code	o in cable	7 III Gubic	TT III Cable	D TTO Action	D TTO Automatio
			SD 70 Nm 24 rpm Ø 25.4 mm	SD 70.24 EL15 KU	SD 70.20 EL15 KE	SD 70.20 EL15 E					
	Encode		SD 100 Nm 24 rpm Ø 25.4 mm	SD 100.24 EL15 KU	SD 100.24 EL15 KE	SD 100.24 EL15 E					NDCC1000
		Encoder - 15 turns	SD 120 Nm 20 rpm Ø 25.4 mm	SD 120.20 EL15 KU	SD 120.20 EL15 KE	SD 120.20 EL15 E			0 CA0176A00		
			SD 140 Nm 20 rpm Ø 25.4 mm	SD 140.20 EL15 KU	SD 140.20 EL15 KE	SD 140.20 EL15 E	CA0174A00	CA0175A00		NDCC2000	
			SD 140 Nm 20 rpm Ø 31.75 mm	3D 140.20 EE13 KO	3D 140.20 EE13 KE	3D 140.20 EE13 E					
	3 x 400 Vac	Encoder - 40 turns	SD 80 Nm 30 rpm Ø25.4 mm	SD 80.30 EL40 KU	SD 80.30 EL40 KE	SD 80.30 EL40 E					
O	3 X 400 Vac		SD 140 Nm 20 rpm Ø25.4 mm	SD 140.20 EL40 KU	SD 140.20 EL40 KE	SD 140.20 EL40 E				ND662000	NDCCTUUU
Sectional drives			SD 70 Nm 20 rpm Ø25.4 mm	SD 70.20 ME15 KU	SD 70.20 ME15 KE	SD 70.20 ME15 E					
unves			SD 100 Nm 24 rpm Ø25.4 mm	SD 100.24 ME15 KU	SD 100.24 ME15 KE	SD 100.24 ME15 E					
		Mechanical - 15 turns	SD 120 Nm 20 rpm Ø25.4 mm	SD 120.20 ME15 KU	SD 120.20 ME15 KE	SD 120.20 ME15 E	CA0157A00	CA0158A00	CA0159A00		
			SD 140 Nm 20 rpm Ø25.4 mm	CD 140 00 ME15 KU		0D 1 40 00 ME1E F					
			SD 140 Nm 20 rpm Ø31.75 mm	SD 140.20 ME15 KU	.20 ME15 KU SD 140.20 ME15 KE S	SD 140.20 ME15 E					
		Freedow AF Law	SWT 70 Nm 20 rpm Ø25.4 mm	SWT 70.20 EL15 KU	SWT 70.20 EL15 KE	SWT 70.20 EL15 E	CA0174A00 CA0175A00	010175100	010170100		
	1 000 Mar	Encoder - 15 turns	SWN 70 Nm 20 rpm Ø25.4 mm	SWN 70.20 EL15 KU	SWN 70.20 EL15 KE	-		CA0176A00	ND00000	ND001000	
	1 x 230 Vac	Mashaniaal 15 turns	SWT 70 Nm 20 rpm Ø25.4 mm	SWT 70.20 ME15 KU	SWT 70.20 ME15 KE	SWT 70.20 ME15 E		CA0158A00	CA0159A00	NDCC2200	NDCC1200
		Mechanical - 15 turns	SWN 70 Nm 20 rpm Ø25.4 mm	SWN 70.20 ME15 KU	SWN 70.20 ME15 KE	-	CA0174B00	CA0175B00	CA0176B00		

SWN 70 - 20 - KU





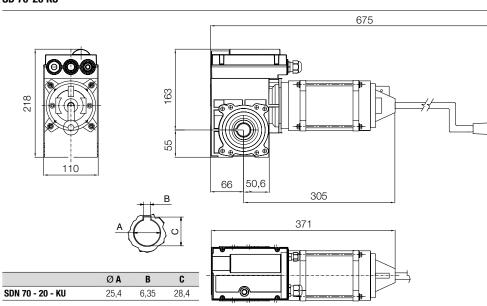
SWN 70-20 KE

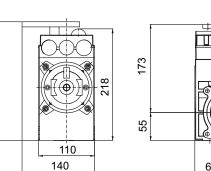


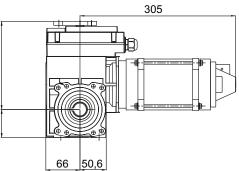
SD 70-20 KU

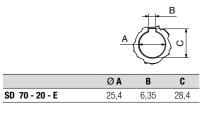
SD 70-20 E

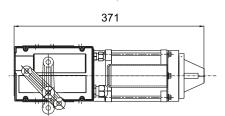
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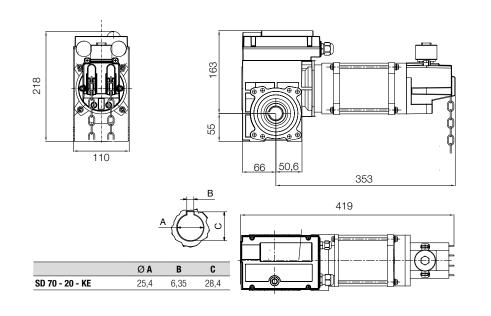




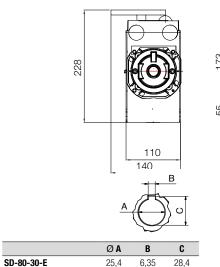




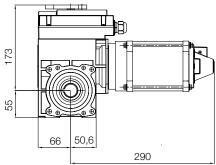
SD 70 - 20 - KE

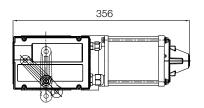


675 E Θ 163 218 55 110 66 50,6 305 В 581 ()ØA В C SD-80-30-KU 25,4 6,35 28,4

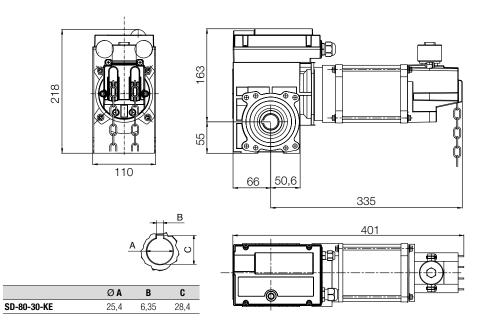


SD-80-30-E



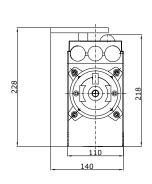


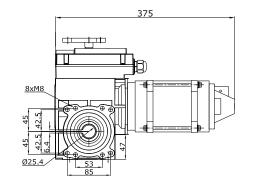
SD-80-30-KE

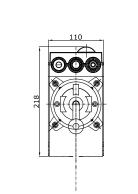


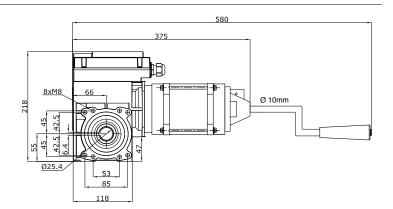
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SD-100-24-E, SD-120-20-E, SD-140-20-E



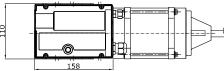




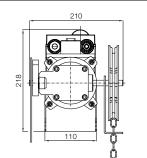


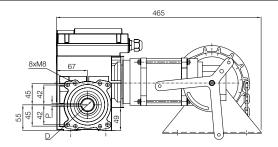


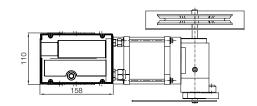
SD-100-24-KU, SD-120-20-KU, SD-140-20-KU

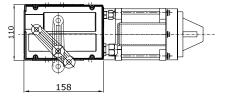


SD-100-24-KE2, SD-120-20-KE2, SD-140-20-KE2

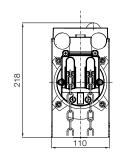


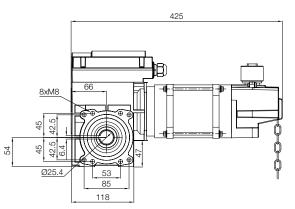


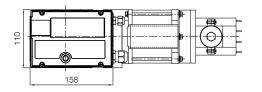




SD-100-24-KE, SD-120-20-KE, SD-140-20-KE









Nice **RDF / RDFI** For rolling shutters



REFISERES

Electromechanical gearmotor for rolling shutters with integrated brake and mechanical limit stops or electronic limit switches, chain-operated emergency (KE series) or crank emergency (KU series) with integrated anti-fallback device.

Simple installation:

the gearmotor is installed directly on the shaft of the rolling door (\emptyset 30 mm, \emptyset 40 mm, \emptyset 55 mm). Connection cables equipped with connectors simplify electrical installation.

Compact and efficient:

torque up to 1,400 Nm, speed up to 24 rpm.

High safety thanks to the anti-fallback safety system and possibility of connecting safety devices such as optical or resistive sensitive edges (8.2 k Ω). Gearmotors compliant with the most recent European standards and directives in terms of safety and technology.

Practical

- Release available in 2 versions:
- crank emergency;
- chain-operated emergency, the ideal solution for every type of application.

More force:

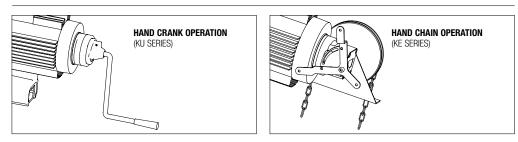
on the RDF series, torque can be increased by means of 1:2 and 1:3 chain reduction kits.

Available on request: special fastening accessories, shafts and discs for welding.

Total speed control via Inverter:

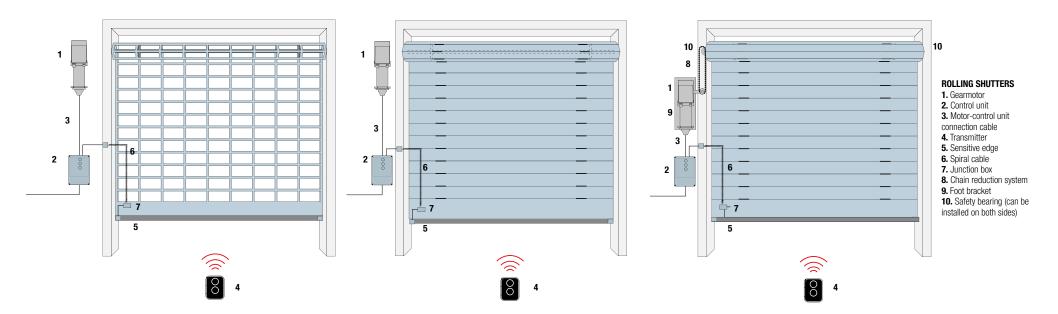
All three phase rolling shutter gearmotors are compatible with 230V single phase inverter. Acceleration and deceleration phases can be controlled. Besides door opening and closing speed can be regulated. Nice inverter is easy to install thanks to plug&play connectors to connect it to the control unit.

EMERGENCY OPERATIONS



INSTALLATION DIAGRAM RDF SERIES

INSTALLATION DIAGRAM CHAIN-DRIVEN RDF 24 RPM



Steel pipe EN 10220 (mm)

RDF series 101,6 x 3,6 108,0 x 3,6 133,0 x 4 159,0 x 4,5 177,8 x 5 193,7 x 5,4 219,1 x 5,9 244,5 x 6,3 273,0 x 6,3 298,5 x 7,1 323,9 x 7,1

RDF-140-20	125	122	115	106	99	94	85	77	69	64	59
RDF-220-15	208	204	192	177	166	157	142	128	115	106	98
RDF-290-15	260	255	240	221	207	197	177	160	144	133	123
RDF-380-15	375	368	335	319	299	284	255	231	208	192	177
RDF-450-15	416	408	383	354	332	315	284	256	231	213	197
RDF-550-12	468	460	431	399	373	355	319	289	260	240	222
RDF-250-24	239	237	225	211	201	190	176	160	144	133	123
RDF-350-24	335	332	315	296	281	266	247	224	202	186	172
RDF-500-24	479	475	451	423	402	381	352	321	289	266	247
RDF-750-24	677	664	623	576	539	513	461	417	376	346	321
RDF-950-24	885	868	815	753	705	671	603	545	492	453	419
RDF-750-9.5	781	715	671	620	581	552	497	449	405	373	345
RDF-1250-24	1145	1124	1055	975	913	869	781	706	637	586	543
RDF-1400-24	1354	1324	1247	1152	1079	1026	923	835	753	693	642
RDF-850-10	-	-	-	664	622	592	532	481	434	400	370
RDF-1100-10	-	-	-	842	788	750	675	610	550	506	469
RDF-1400-7	-	-	-	1063	1038	987	888	770	724	666	617
RDFI-250-24	191	189	180	168	160	152	140	128	115	106	98
RDFI-350-24	268	265	252	236	224	212	197	179	161	148	137
RDFI-500-24	383	380	360	338	321	304	281	256	231	212	197

The table applies to section bars with a single wall only (thickness 20 mm). The dimensions must be taken into account for winding if section bars with double wall or greater thickness or height are used.

In this case higher torque applies after 1-2 turns. A 20% friction loss is considered for the normal rolling shutters in the table.

t is generally advisable to check the door proportions when there are coverings, section bars with double wall or doors higher than normal, or in the case of particular entry situations that could require other force ratios or cause additional friction losses (e.g. doors that are wider than the height), for example.

TECHNICAL SPECIFICATIONS RDF SERIES

Туре	RDF-140-20	RDF-200-15	RDF-220-15	RDF-290-15	RDF-380-15	RDF-450-15	RDF-550-12	RDF-750-9,5	RDF-850-10	RDF-1100-10	RDF-1400-7
Hollow shaft Ø (mm)			30			40				55	
Max. torque (Nm)	140	200	220	290	380	450	550	750	850	1100	1400
Rated torque (Nm)	120	180	200	250	360	400	450	700	700	950	1250
Output speed (rpm)	20			15			12	9,5		10	7
Motor power (kW)	0,55	0,5	1	,1		1	,5		2,2		
Limit switch		15		20						10	
Brake included		No Yes									
Working voltage (V)						3~230/3~400 V					
Working frquency (Hz)						50					
Rated currrent (A)	2	2,4	3	,4	4,6 6,			6,9	-	7,5	7,9
Cycles/hour						S 3 - 60%					
Connection cable (n° x mm ²)						5 x 1,5					
Operating temperature (°C)						-20 ÷ +40					
Noise dB(A)						<70					
Protection rating (IP)						IP 54					
Weight (kg)	12,4	15,5	22	24	28,9	27,7	27,7	35	51,7	51,9	58

TECHNICAL SPECIFICATIONS RDF 24 RPM SERIES

Туре	RDF-250-24	RDF-350-24	RDF-500-24	RDF-750-24	RDF-950-24	RDF-1250-24	RDF-1400-24		
Hollow shaft Ø (mm)		40				55			
Max. torque (nm)	250	350	500	750	950	1250	1400		
Rated torque (Nm)	230	310	450	650	850	1100	1250		
Output speed (rpm)				24					
Motor Power (kW)	1,1	1,5	2	,2	3	4	5,5		
Limit switch		20-40				40			
Brake included				Yes					
Working voltage (V)				3~230/3~400V					
Working frquency (Hz)				50					
Rated currrent (A)	4,6	4,6	4,6	7,5	8,3	10,5	15,9		
Cycles/hour				S3-60%					
Connection cable (n° x mm ²)				5 x 1,5					
Operating temperature (°C)				-5 ÷ +40					
Noise dB(A)				<70					
Protection rating (IP)				54					
Weight (kg)	24,1	29,2	32,7	51,9	61	63	65		

How to choose the ideal motor for sectional doors

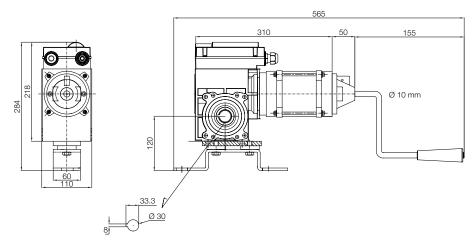
RDF industrial drives

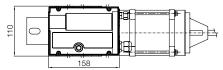
							Suitable Cable		Suitable Control unit	
							Code		Code	
					10.0					0. 0- No. 0 :
			Description	Hand crank (KU)	Hand chain (KE)					
	Power supply	Limit switch type	Type - Nm - Rpm - Hollow shaft	Trade code	Trade code	5 m cable	7 m cable	11 m cable	D-Pro Action	D-Pro Automa
		Freedon 15 huma	RDF 140 Nm 20 rpm Ø30 mm	RDF 140.20 EL15 KU	RDF 140.20 EL15 KE	040174400	040175400	040170400		
		Encoder - 15 turns	RDF 200 Nm 15 rpm Ø30 mm	RDF 200.15 EL15 KU	RDF 200.15 EL15 KE	CA0174A00	CA0175A00	CA0176A00		
			RDF 220 Nm 15 rpm Ø30 mm	RDF 220.15 EL20 KU	RDF 220.15 EL20 KE					
Enco		RDF 290 Nm 15 rpm Ø30 mm	RDF 290.15 EL20 KU	RDF 290.15 EL20 KE				NDCC2000		
		RDF 380 Nm 15 rpm Ø30 mm	RDF 380.15 EL20 KU	RDF 380.15 EL20 KE				NDGG2000		
	Encoder - 20 turns	RDF 380 Nm 15 rpm Ø40 mm	KUF 300.13 EL20 KU	RUF 300.10 EL20 KE						
		RDF 450 Nm 15 rpm Ø40 mm	RDF 450.15 EL20 KU	RDF 450.15 EL20 KE						
			RDF 550 Nm 12 rpm Ø40 mm	RDF 550.12 EL20 KU	RDF 550.12 EL20 KE	CA0177A00	CA0178A00	CA0179A00		
			RDF 750 Nm 9.5 rpm Ø40 mm with brake	RDF 750.9,5 EL20 KU	RDF 750.9,5 EL20 KE					
		Encoder - 40 turns	RDF 750 Nm 9.5 rpm Ø40 mm with brake	RDF 750.9,5 EL40 KU	RDF 750.9,5 EL40 KE				NDCC2100	
			RDF 850 Nm 10 rpm Ø55 mm with brake	RDF 850.10 EL10 KU	RDF 850.10 EL10 KE					
		Encoder - 10 turns	RDF 1100 Nm 10 rpm Ø55 mm with brake	RDF 1100.10 EL10 KU	RDF 1100.10 EL10 KE					
olling			RDF 1400 Nm 7 rpm Ø55 mm with brake	RDF 1400.7 EL10 KU	RDF 1400.7 EL10 KE					
utter drives	3 x 400 Vac	Mechanical - 15 turns	RDF 140 Nm 20 rpm Ø30 mm	RDF 140.20 ME15 KU	RDF 140.20 ME15 KE	CA0157A00	CA0158A00	CA0159A00		NDCC1000
		Mechanical - 10 turns	RDF 200 Nm 15 rpm Ø30 mm	RDF 200.15 ME15 KU	RDF 200.15 ME15 KE	GAU157AUU	GAUTSOAUU	GAUTJSAUU		
			RDF 220 Nm 15 rpm Ø30 mm	RDF 220.15 ME20 KU	RDF 220.15 ME20 KE					
			RDF 290 Nm 15 rpm Ø30 mm	RDF 290.15 ME20 KU	RDF 290.15 ME20 KE				NDCC2000	
			RDF 380 Nm 15 rpm Ø30 mm	DDE 200 15 ME20 KU	RDF 380.15 ME20 KE				ND662000	
		Mechanical - 20 turns	RDF 380 Nm 15 rpm Ø40 mm	NDF 300.13 MEZU KU	NDF 300.13 WEZU KE					
			RDF 450 Nm 15 rpm Ø40 mm	RDF 450.15 ME20 KU	RDF 450.15 ME20 KE					
			RDF 550 Nm 12 rpm Ø40 mm	RDF 550.12 ME20 KU	RDF 550.12 ME20 KE	CA0177B00	CA0178B00	CA0179B00		
			RDF 750 Nm 9.5 rpm Ø40 mm with brake	RDF 750.9,5 ME20 KU	RDF 750.9,5 ME20 KE	GAUTTOUU	GAUITODUU	GAU1/9DUU		
		Mechanical - 40 turns RDF 750 Nm 9.5 rpm Ø40 mm with brake RDF 750.9,5 ME40 I RDF 750.9,5 ME40 I	RDF 750.9,5 ME40 KE	1						
			RDF 1400 Nm 7 rpm Ø55 mm with brake	RDF 1400.7 ME40 KU	RDF 1400.7 ME40 KE				NDCC2100	
			RDF 850 Nm 10 rpm Ø55 mm with brake	RDF 850.10 ME10 KU	RDF 850.10 ME10 KE				NDGGZTUU	
		Mechanical - 10 turns	RDF 1100 Nm 10 rpm Ø55 mm with brake	RDF 1100.10 ME10 KU	RDF 1100.10 ME10 KE					
			RDF 1400 Nm 7 rpm Ø55 mm with brake	RDF 1400.7 ME10 KU	RDF 1400.7 ME10 KE					

RDF 24 RPM industrial drives (suitable for chain-driven system, please refer to the Mechanical Accessories section)

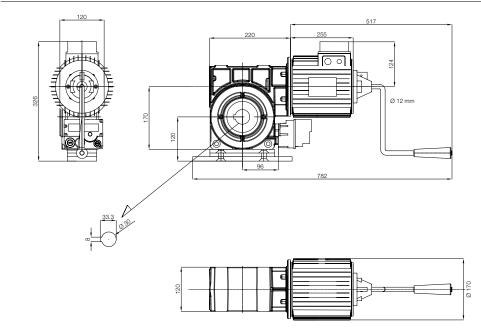
						Suitable Cable			Suitable Control unit	
						Code			Code	
					10.0					
			Description	Hand crank (KU)	Hand chain (KE)	E m achla	7 m eshle	dd m achla	D-Pro Action	D-Pro Automatic
	Power supply	Limit switch type	Type - Nm - Rpm - Hollow shaft	Trade Code	Trade code	5 m cable	7 m cable	11 m cable	D-PTO ACUON	D-Pro Automatic
Rolling shutter fast drives 24 rpm	3 x 400 Vac	Encoder - 20 turns	RDF 250 Nm 24 rpm Ø40 mm with brake	RDF 250.24 EL20 KU	RDF 250.24 EL20 KE	CA0177A00	CA0178A00	CA0179A00	NDCC2100	NDCC1000
			RDF 350 Nm 24 rpm Ø40 mm with brake	RDF 350.24 EL20 KU	RDF 350.24 EL20 KE					
			RDF 500 Nm 24 rpm Ø40 mm with brake	RDF 500.24 EL20 KU	RDF 500.24 EL20 KE					
		Encoder - 40 turns	RDF 250 Nm 24 rpm Ø 40 mm with brake	RDF 250.24 EL40 KU	RDF 250.24 EL40 KE					
			RDF 350 Nm 24 rpm Ø 40 mm with brake	RDF 350.24 EL40 KU	RDF 350.24 EL40 KE					
			RDF 500 Nm 24 rpm Ø 40 mm with brake	RDF 500.24 EL40 KU	RDF 500.24 EL40 KE					
			RDF 750 Nm 24 rpm Ø 55 mm with brake	RDF 750.24 EL40 KU	RDF 750.24 EL40 KE					
			RDF 950 Nm 24 rpm Ø 55 mm with brake	RDF 950.24 EL40 KU	RDF 950.24 EL40 KE					
			RDF 1250 Nm 24 rpm Ø 55 mm with brake	RDF 1250.24 EL40 KU	RDF 1250.24 EL40 KE					
			RDF 1400 Nm 24 rpm Ø 55 mm with brake	RDF 1400.24 EL40 KU	RDF 1400.24 EL40 KE					
		Mechanical - 20 turns	RDF 250 Nm 24 rpm Ø40 mm with brake	RDF 250.24 ME20 KU	RDF 250.24 ME20 KE	CA0177B00	CA0178B00	CA0179B00		
			RDF 350 Nm 24 rpm Ø40 mm with brake	RDF 350.24 ME20 KU	RDF 350.24 ME20 KE					
			RDF 500 Nm 24 rpm Ø40 mm with brake	RDF 500.24 ME20 KU	RDF 500.24 ME20 KE					
		Mechanical - 40 turns	RDF 250 Nm 24 rpm Ø 40 mm with brake	RDF 250.24 ME40 KU	RDF 250.24 ME40 KE					
			RDF 350 Nm 24 rpm Ø 40 mm with brake	RDF 350.24 ME40 KU	RDF 350.24 ME40 KE					
			RDF 500 Nm 24 rpm Ø 40 mm with brake	RDF 500.24 ME40 KU	RDF 500.24 ME40 KE					
			RDF 750 Nm 24 rpm Ø 55 mm with brake	RDF 750.24 ME40 KU	RDF 750.24 ME40 KE					
			RDF 950 Nm 24 rpm Ø 55 mm with brake	RDF 950.24 ME40 KU	RDF 950.24 ME40 KE					
			RDF 1250 Nm 24 rpm Ø 55 mm with brake	RDF 1250.24 ME40 KU	RDF 1250.24 ME40 KE					
			RDF 1400 Nm 24 rpm Ø 55 mm with brake	RDF 1400.24 ME40 KU	RDF 1400.24 ME40 KE					

RDF-140-20-KU

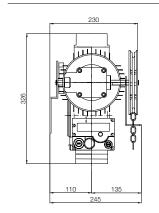


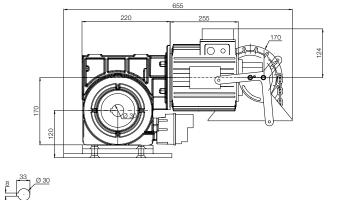


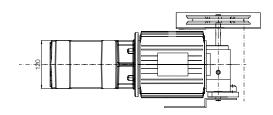
RDF-220/290-15-KU



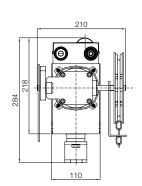
RDF-220/290-15-KE2

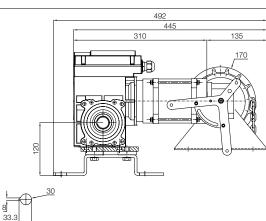


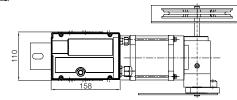




RDF-140-20-KE2

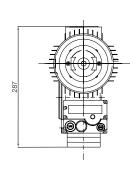


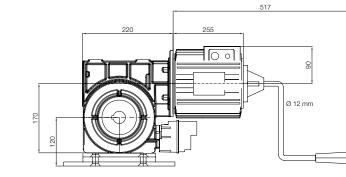


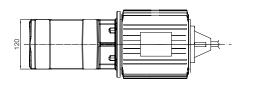


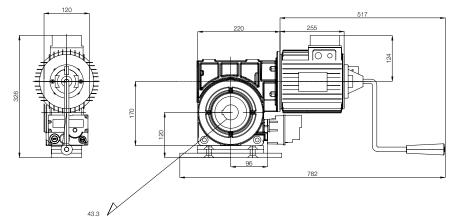
RDF-380/450-15-KU

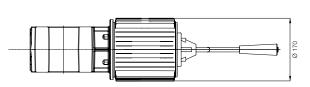
RDF-550-12-KU



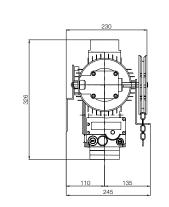


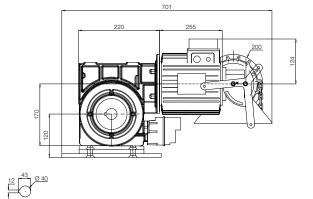


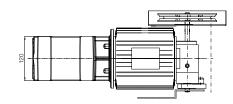




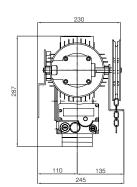
RDF-550-12-KE2

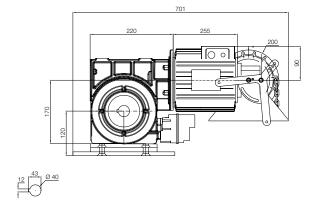


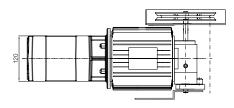




RDF-380/450-15-KE2

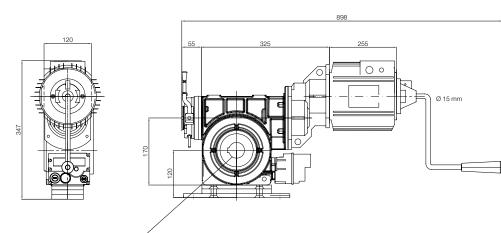


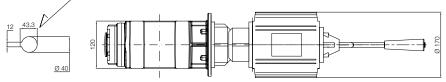




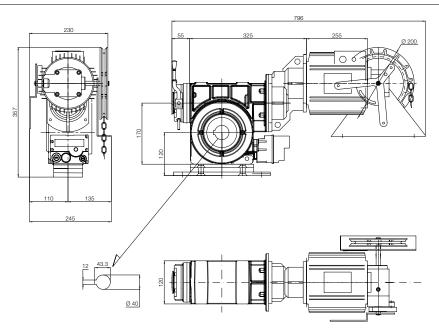
RDF-750-9,5-KU

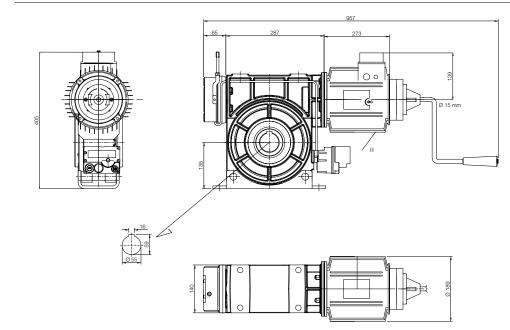
RDF-850/1100-10-KU



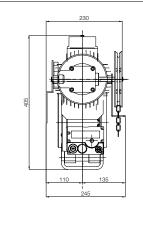


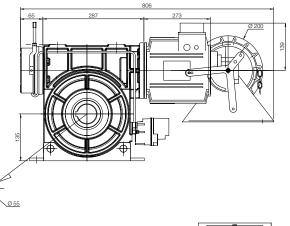
RDF-750-9,5-KE2

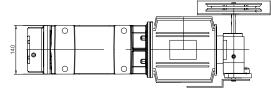




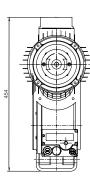
RDF-850/1100-10-KE2

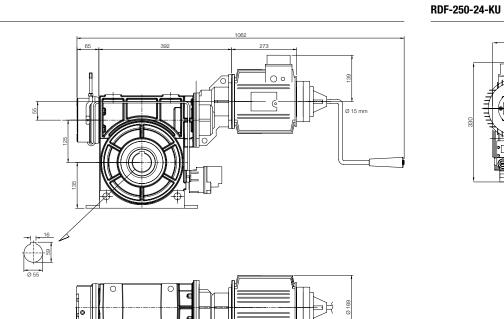


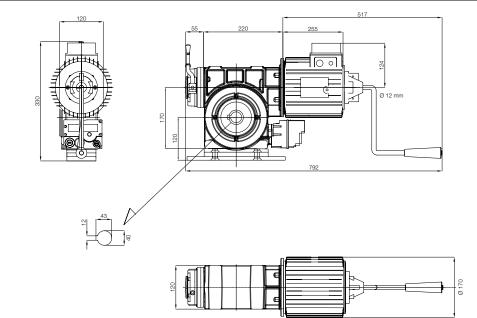




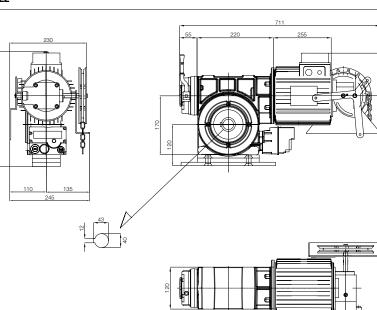
RDF-1400-7-KU



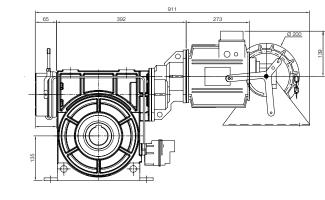


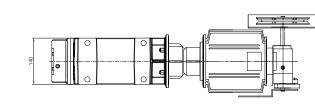


RDF-250-24-KE2



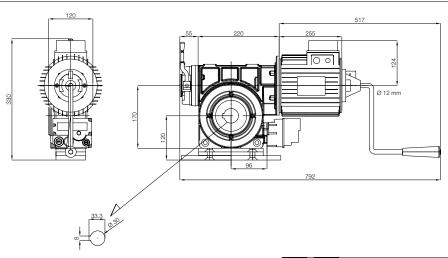
RDF-1400-7-KE2





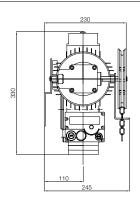
RDF-350-24-KU

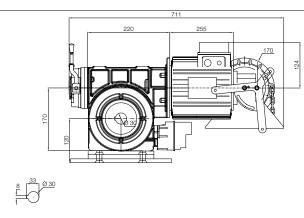
RDF-500-24-KU

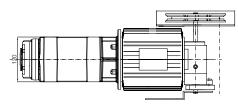


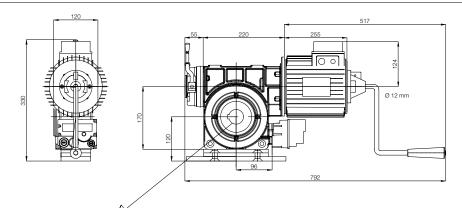


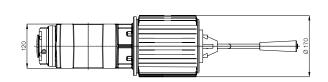
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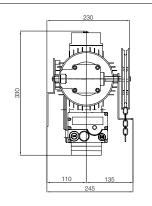




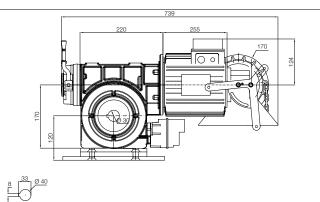


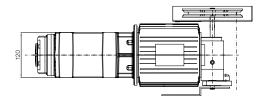


RDF-500-24-KE2



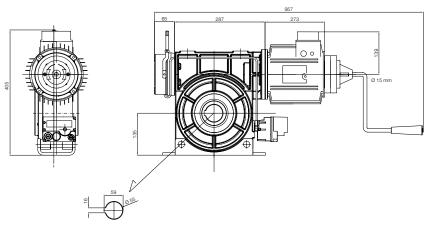
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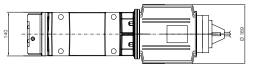




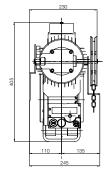
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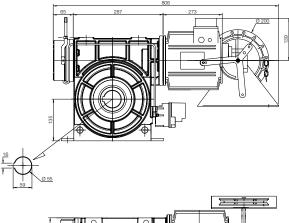
RDF-750-24-KU

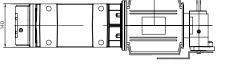




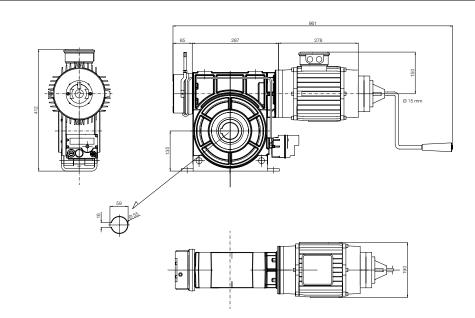
RDF-750-24-KE2



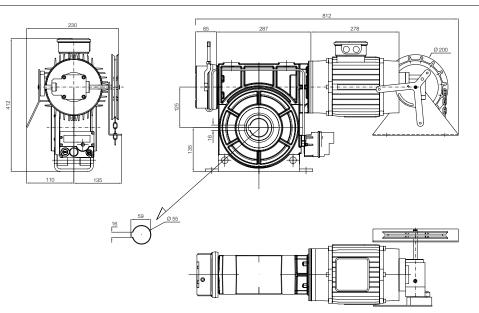




RDF-950-24-KU

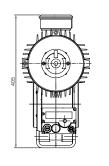


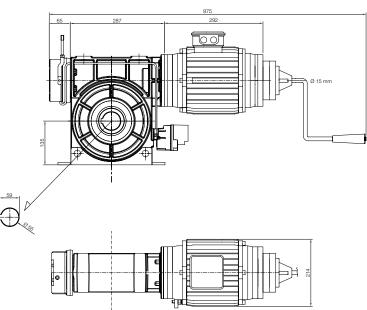
RDF-950-24-KE2

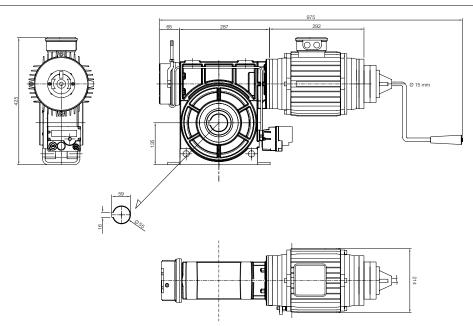


RDF-1250-24-KU

RDF-1400-24-KU

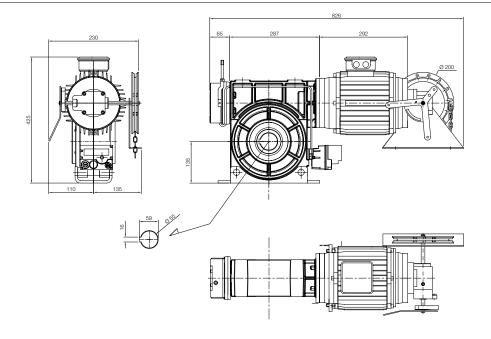


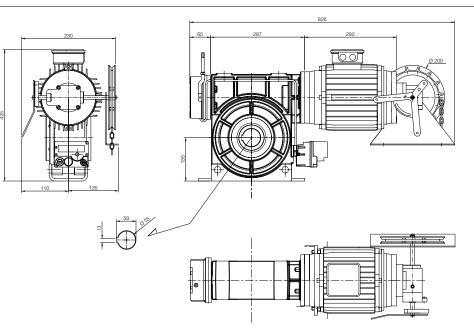


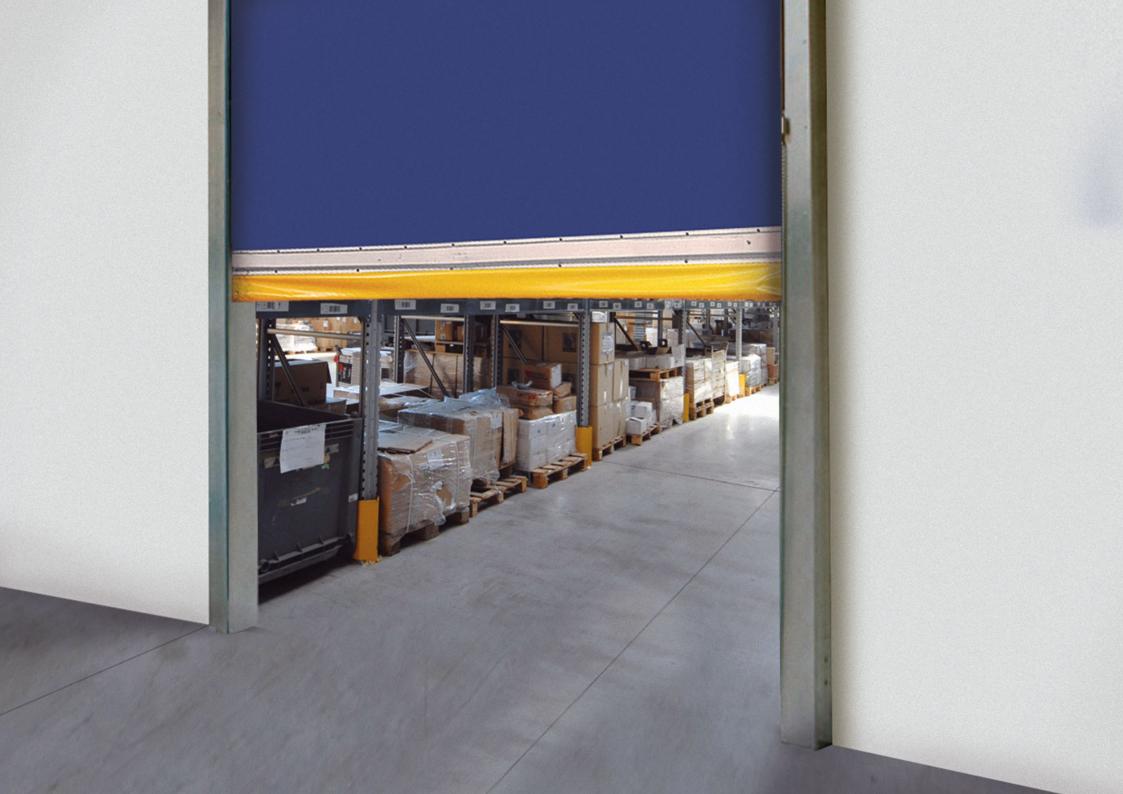


RDF-1250-24-KE2

RDF-1400-24-KE2







Nice HDFN / HDFNI

For high speed doors



Electromechanical gearmotor for high speed doors, with or without integrated inverter, electronic limit switches, crank emergency (KU series), integrated anti-fallback device, brake and fixing bracket.

Simple installation

The HDFN/HDFNI series is installed directly on the shaft of the door (\emptyset 25 mm, \emptyset 30 mm and \emptyset 40 mm). The HDFNI gearmotors are equipped with a pre-wired cable and Plug&Play connection with D-Pro family control units.

Compact and efficient:

torque up to 300 Nm, speed up to 140 rpm at 50 Hz.

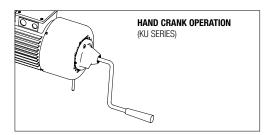
Practical: release available with crank emergency.

High safety thanks to the integrated anti-fallback safety system and possibility of connecting safety devices and optical or resistive 8.2 k Ω sensitive bars, the gearmotors are compliant with the most recent European standards and directives.

Total Speed Control via Inverter:

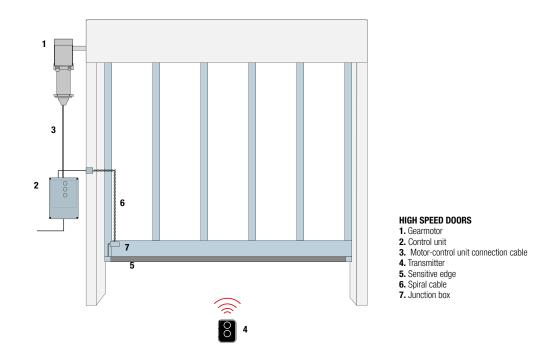
All three phase High Speed gearmotors are compatible with 230V single phase inverter. Acceleration and deceleration phases can be controlled. Besides door opening and closing speed can be regulated. Nice inverter is easy to install thanks to plug&play connectors to connect it to the control unit. Inverter can also be installed on the motor itself.







INSTALLATION DIAGRAM



TECHNICAL SPECIFICATIONS

Туре	HDFN-35-140	HDFN-45-95	HDFN-60-140	HDFN-80-90	HDFN-160-95	HDFNI-35-140	HDFNI-45-90	HDFNI-60-140	HDFNI-80-90	HDFNI-120-140	HDFNI-160-95	HDFNI-220-70	HDFNI-300-45
Hollow shaft Ø (mm)		25/25	5,4/30		30/40		25/2	5,4/30			30,	/40	
Max. torque (Nm)	35	45	60	80	160	35	45	60	80	120	160	220	300
Rated torque (Nm)	27	36	40	60	100	30	36	45	60	100	85	200	240
Output speed (rpm)	140	95	140	90	95	140	90	140	90	140	95	70	45
Motor Power (kW)	0,75	0,55	1,1	0,9	2,2	1,1	0,9	1,1	0,9		2	,2	
Limit switch		1	15		20			15			2	0	
Working voltage (V)			3~230/3~400						1 x	230			
Working frquency (Hz)			50						Ę	50			
Rated currrent (A)	1,9	1,8	2,6	9,7	4		-	4	8	15,8	15,6	12,7	15,5
Cycles/hour			S3-60%						S3	-60%			
Connection cable (n° x mm ²)			5x1,5						5x	:1,5			
Operating temperature (°C)			-5/+40°C						-5/-	-40°C			
Noise dB(A)		<70				<70							
Protection rating (IP)			54						Ę	54			
Weight (kg)	1	6	17	30	35	1	8	19	32		3	7	

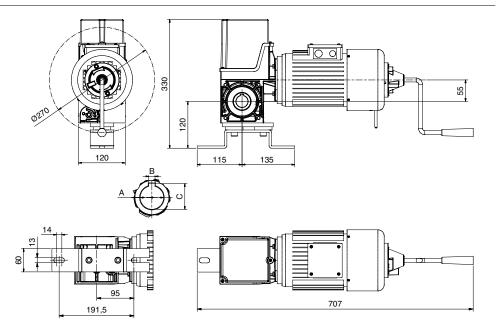
How to choose the ideal motor for high speed doors

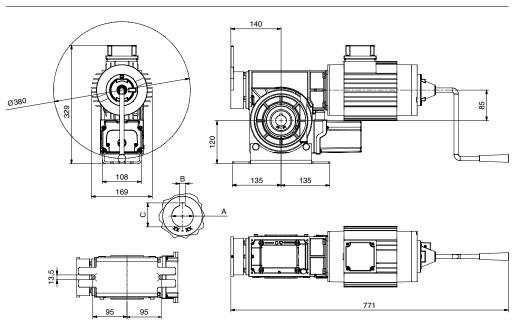
Gear Type HDFN/HDFNI

	For High Speed		e HDFN									
									Suitable Cable		Suitable C	ontrol unit
									Code		Co	de
						0					0 0 7	
			Description	Hand crank (KU)				5 m cable	7 m cable	11 m cable	D-Pro Action	D-Pro
	Power supply	Limit switch type	Type - Nm - Rpm - Hollow shaft	Trade Code	Article nun	nber		5 m cable	7 m cable	TT m cable	D-Pro Action	Automatic
		Hollow shaft dian	neter selection		Ø 25 mm	Ø 25,4 mm	Ø 30 mm					
			HDFN 35 Nm 140 rpm with brake	HDFN 35.140 EL15 KU	X	X	X					
igh		Encodor 15 turno	HDFN 45 Nm 95 rpm with brake	HDFN 45.95 EL15 KU	X	X	X	CA0174A00	CA0175A00	CA0176A00		
peed		Encoder - 15 turns	HDFN 60 Nm 140 rpm with brake	HDFN 60.140 EL15 KU	X	X	X	GAU174AUU	GAU175AUU	GAU I / DAUU		
rives			HDFN 80 Nm 90 rpm mm with brake	HDFN 80.90 EL15 KU	X	X	X					
		Hollow shaft dian	neter selection		Ø 30 mm	Ø 40 mm	1				1	
	0 400 \/	Encoder - 20 turns	HDFN 160 Nm 95 rpm with brake	HDFN 160.95 EL15 KU	X	X		CA0177A00	CA0178A00	CA0179A00	NDOOMO	ND001000
	3 x 400 Vac	Hollow shaft dian	neter selection		Ø 25 mm	Ø 25,4 mm	Ø 30 mm				NDCC2100	NDCC1000
		Mechanical - 15 turns	HDFN 35 Nm 140 rpm with brake	HDFN 35.140 ME15 KU	X	X	X	CA0174B00 CA01			A0176B00	
			HDFN 45 Nm 95 rpm with brake	HDFN 45.95 ME15 KU	X	X	X					
			HDFN 60 Nm 140 rpm with brake	HDFN 60.140 ME15 KU	X	X	X		CA0175B00	CA0176B00		
			HDFN 80 Nm 90 rpm with brake	HDFN 80.90 ME15 KU	X	X	X			l		
		Hollow shaft diam	neter selection		Ø 30 mm	Ø 40 mm	1		1			
		Mechanical - 20 turns	HDFN 160 Nm 95 rpm with brake	HDFN 160.95 ME15 KU	X	X		CA0177B00	CA0178B00	CA0179B00	1	
									0.10110200	040173000		
	For High Speed					I I			0.0000200	040173000		
		Doors - With Freq	uency Converter - Gear Type Hi	DFNI								
		I Doors - With Freq	uency Converter - Gear Type Hl	DFNI					le already conne		Suitable C	ontrol unit
		I Doors - With Freq	uency Converter - Gear Type HI	DFNI								ontrol unit de
		l Doors - With Freq	uency Converter - Gear Type H						le already conne			
-		l Doors - With Freq	uency Converter - Gear Type H	DFNI Hand crank (KU)		}		Cab	le already conne Code	cted	Co	
Speed	Power supply	Limit switch type	Description Type - Nm - Rpm - Hollow shaft		Article nun			Cab 5 m cable	le already conne Code 7 m cable	octed 11 m cable	Co	de
Speed Irives			Description Type - Nm - Rpm - Hollow shaft neter selection	Hand crank (KU) Trade Code	Ø 25 mm	Ø 25,4 mm	T	Cab 5 m cable Ø 25 mm	le already conne Code	cted	Co	de D-Pro
peed rives /ith	Power supply	Limit switch type	Description Type - Nm - Rpm - Hollow shaft neter selection HDFNI 35 Nm 140 rpm with brake	Hand crank (KU) Trade Code HDFNI 35.140 EL15 KU	Ø 25 mm X	Ø 25,4 mm X	X	Cab 5 m cable	le already conne Code 7 m cable Ø 25,4 mm	octed 11 m cable	Co	de D-Pro
Speed Irives vith requency	Power supply	Limit switch type Hollow shaft dian	Description Type - Nm - Rpm - Hollow shaft neter selection	Hand crank (KU) Trade Code	Ø 25 mm X X	Ø 25,4 mm X X	X X	Cab 5 m cable Ø 25 mm	le already conne Code 7 m cable Ø 25,4 mm	octed 11 m cable	Co	de D-Pro
peed rives vith requenc	Power supply	Limit switch type	Description Type - Nm - Rpm - Hollow shaft neter selection HDFNI 35 Nm 140 rpm with brake	Hand crank (KU) Trade Code HDFNI 35.140 EL15 KU	Ø 25 mm X	Ø 25,4 mm X	X	Cab 5 m cable Ø 25 mm	le already conne Code 7 m cable Ø 25,4 mm	octed 11 m cable	Co	de D-Pro
peed rives vith requenc	Power supply	Limit switch type Hollow shaft dian	Description Type - Nm - Rpm - Hollow shaft teter selection HDFNI 35 Nm 140 rpm with brake HDFNI 45 Nm 90 rpm with brake	Hand crank (KU) Trade Code HDFNI 35.140 EL15 KU HDFNI 45.90 EL15 KU	Ø 25 mm X X	Ø 25,4 mm X X	X X	Cab 5 m cable Ø 25 mm	le already conne Code 7 m cable Ø 25,4 mm	octed 11 m cable	Co D-Pro Action	de IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
peed rives rith equenc	Power supply	Limit switch type Hollow shaft dian	Description Type - Nm - Rpm - Hollow shaft teter selection HDFNI 35 Nm 140 rpm with brake HDFNI 45 Nm 90 rpm with brake HDFNI 60 Nm 140 rpm with brake HDFNI 80 Nm 90 rpm with brake	Hand crank (KU) Trade Code HDFNI 35.140 EL15 KU HDFNI 45.90 EL15 KU HDFNI 60.140 EL15 KU	Ø 25 mm X X X	Ø 25,4 mm X X X	X X X	Cab 5 m cable Ø 25 mm	le already conne Code 7 m cable Ø 25,4 mm X X	octed 11 m cable	Co	de D-Pro
peed rives vith requenc	Power supply	Limit switch type Hollow shaft dian Encoder - 15 turns	Description Type - Nm - Rpm - Hollow shaft teter selection HDFNI 35 Nm 140 rpm with brake HDFNI 45 Nm 90 rpm with brake HDFNI 60 Nm 140 rpm with brake HDFNI 80 Nm 90 rpm with brake	Hand crank (KU) Trade Code HDFNI 35.140 EL15 KU HDFNI 45.90 EL15 KU HDFNI 60.140 EL15 KU	Ø 25 mm X X X X	Ø 25,4 mm X X X X X	X X X	Cab 5 m cable Ø 25 mm X	le already conne Code 7 m cable Ø 25,4 mm X X X	octed 11 m cable	Co D-Pro Action	de IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
Speed Irives vith requency	Power supply	Limit switch type Hollow shaft dian Encoder - 15 turns Hollow shaft dian	Description Type - Nm - Rpm - Hollow shaft eter selection HDFNI 35 Nm 140 rpm with brake HDFNI 45 Nm 90 rpm with brake HDFNI 60 Nm 140 rpm with brake HDFNI 80 Nm 90 rpm with brake eter selection	Hand crank (KU) Trade Code HDFNI 35.140 EL15 KU HDFNI 45.90 EL15 KU HDFNI 60.140 EL15 KU HDFNI 80.90 EL15 KU	Ø 25 mm X X X X Ø 30 mm	Ø 25,4 mm X X X X Ø 40 mm	X X X	Cab 5 m cable Ø 25 mm X	le already conne Code 7 m cable Ø 25,4 mm X X X X Ø 40 mm	octed 11 m cable	Co D-Pro Action	de D-Pro Automatic
ligh Speed Irives vith requenc converte	Power supply	Limit switch type Hollow shaft dian Encoder - 15 turns	Description Type - Nm - Rpm - Hollow shaft eter selection HDFNI 35 Nm 140 rpm with brake HDFNI 45 Nm 90 rpm with brake HDFNI 60 Nm 140 rpm with brake HDFNI 80 Nm 90 rpm with brake eter selection HDFNI 120 Nm 140 rpm with brake	Hand crank (KU) Trade Code HDFNI 35.140 EL15 KU HDFNI 45.90 EL15 KU HDFNI 60.140 EL15 KU HDFNI 80.90 EL15 KU HDFNI 120.140 EL20 KU	Ø 25 mm X X X X Ø 30 mm X	Ø 25,4 mm X X X X Ø 40 mm X	X X X	Cab 5 m cable Ø 25 mm X	le already conne Code 7 m cable Ø 25,4 mm X X X X Ø 40 mm X	octed 11 m cable	Co D-Pro Action	de D-Pro Automatic

HDFN 35-140 KU, HDFN 45-90 KU, HDFN 60-140 KU, HDFN 80-90 KU

HDFN 160-95 KU

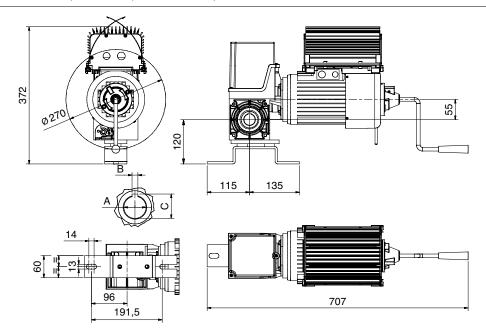




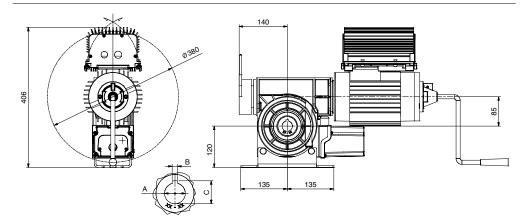
	ØA	В	C
HDFN 35-140 KU	25	8	28,3
HDFN 35-140 KU	25,4	6,35	28,4
HDFN 35-140 KU	30	8	33,3
HDFN 45-90 KU	25	8	28,3
HDFN 45-90 KU	25,4	6,35	28,4
HDFN 45-90 KU	30	8	33,3
HDFN 60-140 KU	25	8	28,3
HDFN 60-140 KU	25,4	6,35	28,4
HDFN 60-140 KU	30	8	33,3
HDFN 80-90 KU	25	8	28,3
HDFN 80-90 KU	25,4	6,35	28,4
HDFN 80-90 KU	30	8	33,3

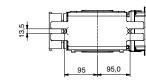
	ØA	В	C
HDFN 160-95 KU	40	12	43,3

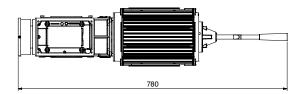
HDFNI 35-140 KU, HDFNI 45-90, HDFNI 60-140 KU, HDFNI 80-90 KU



HDFNI 120-140 KU, HDFNI 160-95 KU, HDFNI 220-70 KU, HDFNI 300-45 KU







	ØA	В	C
HDFNI 35-140	25	6	28,3
HDFNI 35-140	25,4	6,35	28,4
HDFNI 35-140 KU	30	8	33,3
HDFNI 45-90	25	6	28,3
HDFNI 45-90	25,4	6,35	28,4
HDFNI 45-90 KU	30	8	33,3
HDFNI 80-90 KU	25	6	28,3
HDFNI 80-90 KU	25,4	6,35	28,4
HDFNI 80-90 KU	30	8	33,3
HDFNI 60-140 KU	25	6	28,3
HDFNI 60-140 KU	25,4	6,35	28,4
HDFNI 60-140 KU	30	8	33,3

	ØA	В	C
HDFNI 120-140 KU	30	8	33,3
HDFNI 120-140 KU	40	12	43,3
HDFNI 160-95 KU	30	8	33,3
HDFNI 160-95 KU	40	12	43,3
HDFNI 220-70 KU	30	8	33,3
HDFNI 220-70 KU	40	12	43,3
HDFNI 300-45 KU	40	12	43,3

Nice Electrical Accessories

For D-Pro Automatic control units





NDA004 Bluetooth module for D-Pro Automatic control unit management via smartphone.

K60 module for D-Pro Automatic control unit, to communicate via CAN bus (combined with NDA008 module).

NDA006



NDA008 K65 module for D-Pro Automatic control unit, for remote control (combined with NDA0006 module).



K30 expansion module for

D-Pro Automatic to add further

inputs, outputs and to control

NDA030

traffic lights.

NDA070 K70 expansion module for D-Pro Automatic for 2 channels loop detector.

For D-Pro Action control units



IBT4N Interface module for O-View programmer connection.



IT4WIFI Smart Wi-Fi interface to control via smartphone Nice automations compatible with the BusT4 (Opera) protocol.

Other accessories

For optional potential free

NDA040

outputs.



720000001100 CEE threephase power supply plug, 1m long.



CA8.5320 Schuko singlephase, 90°, 2 m long.



730000001023 Main switch for control units.



730000001030 Emergency switch, Normally Closed.



920512000730 Wall mounted external push button, open-stop-close buttons, 7 m long cable.

Security devices





920132111001 Optosensors with Diagnosis function (10.5 m long cable).

 920081155516
 92

 Spiralcable 5 x 0,5 qmm, 0,8 m
 Spiralcable 5 x 0,5 qmm, 0,8 m

 spiraled / 1,6 m stretched.
 Spiralcable 5 x 0,5 qmm, 0,8 m

92008115530 ,8 m Spiralcable 5 x 0,5 qmm, 0,8 m spiraled / 3 m stretched.

920081155550

Spiralcable 5 x 0,5 qmm,

0,8 m spiraled / 5m stretched.



O

920821000010 Safety switch against possible cable breaks or slackering.

Slack Rope Cylindrical Switch

Rope Brake against cable

920811000010

breaks.



NDA010 Junction Box with integrated pneumatic switch for pneumatic safety edge.



NDA011 Junction Box black, with board, plugable with hole Ø 16m.

NDA012 Junction Box black, with board, plugable with hole Ø 16 m incl. SBA-Sensor for autom. Floor Level Regulation.

920141000010

920320228100



NDA013 Junction Box black, with board, plugable without hole.

Rubber Profile 1m

C-rail. Aluminium 28 mm x 10 mm, in 2 m-pcs.



Code	Description
TCLS	Light Curtain 2.500 mm
TCLS1	Light Curtain 2.030 mm
TCLSC	Connecting Cable for Light Curtain 10 m
TCLSC3	Connecting Cable for Light Curtain 3 m
TCLSFSS230	FSS controler for Light Curtain 230 Vac
TCLSFSS24	FSS controler for Light Curtain 24 Vdc
Code	Description
920091100085	Connecting Cable for 2 junction boxes, lenght 8.5 m
920540100041	Roller Lever Switch
920670000020	Wicked Door Contact

Nice Electrical Accessories

Photocells

EPS



Pair of outdoor photocells slim.



EPM

Pair of outdoor photocells.



EPMO

positionable.



EPMA Pair of outdoor photocells, burglar-resistant metal body.



EPMAO Pair of outdoor photocells, 30° positionable, burglar-resistant metal body.



EPL Pair of surface-mounted photocells large.



Pair of outdoor photocells slim,

burglar-resistant metal body.

EPSA

EPLO Pair of surface-mounted photocells large, 30° positionable.



EPLIO Pair of photocells large for recessed mounting, 30° positionable.



Pair of outdoor photocells, 30°

EKA03 Bowl for recessed mounting (depth 66 mm) for installation of EKSI, EKSIEU. Also compatible with EPLIO, EPLIOB, EDSI, EDSIB.



F210 Pair of optical devices for sensitive edges fastened on moving door, can be swivelled through 210° with relay output. Battery kit (fta1/fta2) compulsory.



FA1 Vandal-proof metal shell.



EPMOR Surface-mounted reflective photocell + reflective mirror.

Selectors, proximity reader and flashing light















EDSWG Radio digital selector compatible with the receivers of the flor series.

EKSEU Key selector Era series, european cylinder, for outdoor installation.

EKSIEU Key selector era series, european cylinder, for recessed mounting.

EKS* Key selector era series, for outdoor installation.

EKSI Key selector era series, for recessed mounting.



Proximity reader for transponder cards MOCARD and MOCARDP to be combined with the MORX decoder.



NiceCard

MORX Decoder for 1 etp or up to 4 EDS/EDSI connected in parallel, with 1 BM1000 memory for 255 combinations.





MOCARDPHSB1Transponder cardTranspprogrammable via OBox, withprograsequential coding for multiplesequerentry.entry.



HSB1ELACTransponder badge newly
programmable via OBox, with
sequential coding for multipleSignal LED flashing light,
90-240 Vac, for preset control
units.

* EKS Codes

Code	Description
EKS1001	Key selector Era series, for outdoor installation, Cod. 1001
EKS1002	Key selector Era series, for outdoor installation, Cod. 1002
EKS1003	Key selector Era series, for outdoor installation, Cod. 1003
EKS1004	Key selector Era series, for outdoor installation, Cod. 1004
EKS1005	Key selector Era series, for outdoor installation, Cod. 1005
EKS1006	Key selector Era series, for outdoor installation, Cod. 1006
EKS1007	Key selector Era series, for outdoor installation, Cod. 1007
EKS1008	Key selector Era series, for outdoor installation, Cod. 1008
EKS1009	Key selector Era series, for outdoor installation, Cod. 1009
EKS1010	Key selector Era series, for outdoor installation, Cod. 1010

Other accessories

Code	Description
CHS	Neutral key for EKS, EKSI
CHEU	Neutral key for EKSEU, EKSIEU
EKA02	Finishing kit for EDSI, EDSIB, EKSI, EKSIEU installation
EKA03	Bowl for recessed mounting (depth 66 mm) for installation of EKSI, EKSIEU. Also compatible with EPLIO, EPLIOB, EDSI, EDSIB.

Nice Mechanical accessories

Accessories for sectional doors

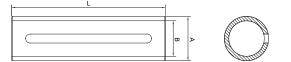


ADAPTERS				
Code	Description	А	В	L
NDA500	Adapter from 31,75 to 25,4 mm shaft	31,7	25,4	110
NDA501	Adapter from 40 to 25,4 mm shaft	40	25,4	120
NDA502	Adapter from 40 to 30 mm shaft	40	30	120
NDA503	Adapter from 40 to 31,75 mm shaft	40	31,75	120
NDA504	Adapter from 55 to 40 mm shaft	55	40	140
NDA505	Adapter from 30 to 25.4 mm shaft	30	25,4	120
NDA506	Adapter from 30 to 25 mm shaft	30	25	110
NDA507	Adapter from 40 to 25 mm shaft	40	25	120
CRA9	Adapter for diameter 31.75 (1,1/4"), 35 and 40 mm shafts	31,75	35/40	195



CHAIN RELEASE SYSTEM (spare parts)	
Code	Description
NDSP0009	Emergency handchain system for SW-SD (5 mt)
NDSP0005	Emergency handchain system for SW-SD (10 mt)

*Additional sizes on demand





	EXTRA CHAIN	
	Code	Description
	900029000050	Additional chain, 5 m length
s a	100031010000	Additional chain, in rolls of 100 m, per meter
30.0	100031010001	Link for additional chain



HEATING DEVICES	
Code	Description
PW1	Heating element for the automation system
TW1	Regulation thermostat

Accessories for rolling shutters



	ADAPTERS	3			
	Code	Description	А	ØВ	С
-	NDA540	Kit with shafts \varnothing 30 mm (motor side with key + opposite side)	395	30	495
Ð	NDA541	Kit with shafts Ø 40 mm (motor side with key + opposite side)	395	40	495
в	NDA542	Kit with shafts Ø 55 mm (motor side with key + opposite side)	495	55	495

SHAFT BEARING (both for Rolling shutters and High Speed doors)								
Code	Description	А	ØВ	С				
910510000300	Shaft bearing Ø 30 mm	165	30	84				
910510000400	Shaft bearing Ø 40 mm	184	40	100				
910510000550	Shaft bearing Ø 55 mm	206	55	114				
910410000300	Shaft bearing, wall mounted Ø 30 mm	108	30	108				
910410000400	Shaft bearing, wall mounted Ø 40 mm	130	40	130				

TRIANGULAR BRACKET

Code	Description	А	В	С
910310003000	Triangular bracket for horizontal mounting, up to 300 kg	445	460	63
910310005300	Triangular bracket for horizontal mounting, up to 530 kg	520	550	70
910310013000	Triangular bracket for horizontal mounting, up to 1300 kg	445	462	63
910310025000	Triangular bracket for horizontal mounting, up to 2500 kg	714	650	154

CHAIN RELEASE SYSTEM (spare parts)

Code	Description	А	В	С
NDSP0004	Emergency handchain system for RDF140 (5 mt)	445	460	63
NDSP0006	Emergency handchain system for RDF-220/350 (5 mt)	520	550	70
NDSP0002	Emergency handchain system for RDF-380/750-9,5 (5 mt)	445	462	63
NDSP0007	Emergency handchain system for RDF750-24/850Nm and above (5 mt)	714	650	154

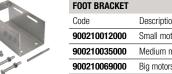


0	Deve dathe	~ ^	~ D
Code	Description	ØA	ØB
141103201	Disk for Shaft Ø 30, to suit tube Ø 133 x 4 mm	30	133
131176101	Disk for Shaft Ø 30, to suit tube Ø 133 x 2 mm	30	133
131176201	Disk for Shaft Ø 30, to suit tube Ø 159 x 4,5 mm	30	159
141105401	Disk for Shaft Ø 30, to suit tube Ø 168,3 x 4,5 mm	30	168,3
141109501	Disk for Shaft Ø 30, to suit tube Ø 193,7 x 5,4 mm	30	193,7
131046101	Disk for Shaft Ø 40, to suit tube Ø 133 x 4 mm	40	133
131025701	Disk for Shaft Ø 40, to suit tube Ø 159 x 4,5 mm	40	159
131026201	Disk for Shaft Ø 40, to suit tube Ø 168,3 x 4,5 mm	40	168,3
141026201	Disk for Shaft Ø 40, to suit tube Ø 193,7 x 5,4 mm	40	193,7
141106101	Disk for Shaft Ø 40, to suit tube Ø 219,1 x 5,9 mm	40	219,1
141106201	Disk for Shaft Ø 40. to suit tube Ø 244.5 x 6.3 mm	40	244,5

Accessories for chain-driven rolling shutters

-

	CHAIN R	EDUCTION KIT					
	Code	Description	Drive tooth wheel	Shaft tooth wheel	Chain length	Reduction rate	Shaft compatibility
	NDA520	Chain Reduction Kit 3/4",2:1,Shaft Ø30mm, Pignion 12 + 24 Tooth, 2m Roller Chain	12 teeth	24 teeth	2 m	2:1	Ø30mm
0	NDA521	Chain Reduction Kit 1",2:1,Shaft Ø40mm, Pignion 12 + 24 Tooth, 2m Roller Chain	12 teeth	24 teeth	2 m	2:1	Ø40mm
	NDA522	Chain Reduction Kit 1"1/4, 2:1,Shaft Ø55mm, Pignion 12 + 24 Tooth, 2m Roller Chain	12 teeth	24 teeth	2 m	2:1	Ø55mm
	NDA523	Chain Reduction Kit 3/4",3:1,Shaft Ø30mm, Pignion 12 + 36 Tooth, 2.5m Roller Chain	12 teeth	36 teeth	2,5 m	3:1	Ø30mm
	NDA524	Chain Reduction Kit 1",3:1,Shaft Ø40mm, Pignion 12 + 36 Tooth, 2.5m Roller Chain	12 teeth	36 teeth	2,5 m	3:1	Ø40mm
	NDA525	Chain Reduction Kit 1"1/4, 3:1,Shaft Ø55mm, Pignion 12 + 36 Tooth, 2.5m Roller Chain	12 teeth	36 teeth	2,5 m	3:1	Ø55mm
	NDA527	Chain Reduction Kit 1:1 for SD, Shaft Ø25,4mm, Pignion 17 + 17 Tooth, 1,5m Roller Chain	17 teeth	17 teeth	1,5 m	1:1	Ø25,4mm



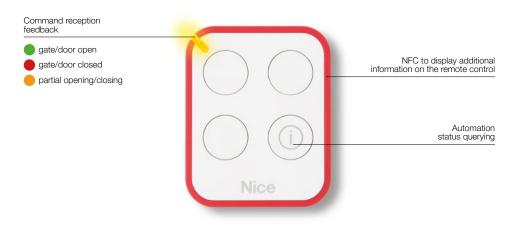
SAFETY BEARIN	G			
Code	Description	А	ØВ	С
511121020300	Safety Bearing TA 1/2 RD Ø 30mm Max Torque 332 Nm	185	30	210
511122020400	Safety Bearing TA 2/3 RD Ø 40mm Max. Torque 552 Nm	225	40	260
511123020400	Safety Bearing TA 3 RD Ø 40mm Max. Torque 599 Nm	255	40	280
511123020500	Safety Bearing TA 3 RD Ø 50mm Max. Torque 599 Nm	255	50	280
511124020500	Safety Bearing TA 4 RD Ø 50mm Max. Torque 1063 Nm	320	50	340
511125020600	Safety Baering TA 5 RD Ø 60mm con Max. Torque 1943 Nm	380	60	390
511125020650	Safety Baering TA 5 RD Ø 65mm con Max. Torque 1943 Nm	380	65	390
511126020800	Safety Baering TA 6 RD Ø 80mm con Max. Torque 3484 Nm	470	80	470



Nice

Era One LR & OXI LR

Bidirectional transmitters and receivers with LoRa® long range technology



TECHNICAL SPECIFICATIONS

Code	Description			Pc/Pack			
ON3ELR	3 channels, 43	3.92 MHz, bidirecti		10			
ONECLIPKIT	White plastic c	lip support with adh		10			
ONELRKIT	KIT with LoRa® Contains: 2 x C	⁾ technology)N3ELR, 1 x OXILR,	1				
	Carrier frequency	Estimated range	Encoding	Power supply	Battery life	Ingress protection class	Dimensions Weight
ON3ELR	433.92 MHz	1 Km; 100 m (if inside buildings)*	LR	3 Vdc; lithium battery type CR2032	2 years (with 10 transmissions per day)	IP40 (use in protected environments)	45x56x11 h mm 18 g

* Transmitter range and receiver reception capacity may be affected by any devices operating on the same frequency in the area and by the position of the system's radio antenna.



logy for installation in third party

hardware interface.



ONELRKIT Kit with LoRa® techno-1. Code exchange between a memorized transmitter and a new one, to be automations, thanks to the OX2UBP memorized



2. The NFC technology and a dedicated web page enable further information to be provided on the transmitter and battery status.

4 key transmitter: 3 radio channels and 1 key to request automation status.

433.92 MHz radio frequency with rolling code encoding, identity code management and self-learning.

Long range commands: LoRa® technology sends commands over a distance about 10 times greater than previous radio protocols. Automation control has never been so efficient!

Even at a distance from the system, you can enable a new transmitter by using another Era One LR transmitter already enabled in the receiver, thanks to exchange of the identity code between them.

Elegant and convenient: the Era One LR transmitter can be used as a stylish, high-tech keyring or fixed to the wall or your car's dashboard with the handy support (ONECLIPKIT).

Era One LR bidirectional, ideal for use in cities or places where many devices are present. The bidirectional radio protocol uses LoRa® modulation to improve immunity from interference.

NEW

BiDi

Radio receiver with connector, bidirectional. with LoRa® technology.

The OXILR is compatible with all Nice control units with SM connector and so can also make existing Nice automations long range and bidirectional.

Ergonomic design: antenna connectors, programming LED and key in convenient, handy positions.

Maximum flexibility: they can memorise up to 1,024 bidirectional transmitters with LoRa® technology.



RECEIVER TECHNICAL SPECIFICATIONS

Code	Description								Pack	
OXILR	Radio receiver with connector, 433.92 MHz, bidirectional, with LoRa $^{\otimes}$ technology								1	
	Reception frequency	Transmission frequency	Input impedance	Sensitivity	Encoding	Number of channels	Power supply	Absorption	Ingress protection class	Dimensions Weight
OXILR	433.92 MHz	433.92 MHz	50 Ohm	-118 dBm	LR	4 (on "SM" plug-in connector)	5 Vdc	50 mA (max)	IP 30	49.5x18x41.9 h mm 22 g

Nice Era One Transmitters and receivers



1, 2, 4, 9 channel transmitters and prewired receivers with connector, with and without built-in transmitter.

Nice

433.92 MHz rolling code, with management of Identity Codes and Certificates, self-learning and built-in proximity receiver; with 72 bit O-Code encoding, also compatible with receivers with Nice FloR encoding.

Available in versions with multiple input sequential encoding (Era OneC).

Advanced: uses data processing and recognition systems that increase its degree of security and deliver a threefold reduction in automation response times.

Easy memorisation, even at a distance: thanks to Opera receivers.

Safe: if a transmitter is stolen or lost, with the O-Box the user can **replace it**, maintaining the same functions as in the previous one, **disable**the old transmitter by increasing the priority level on the new Era One.

There are two options for enabling a new Inti transmitter, even at a distance from the system:

- using a transmitter already programmed in the receiver, thanks to the enabling Code exchange between the two;
- using the Nice O-Box connection interface; the receiver's **Certificate** is entered by just placing the new Inti next to the O-Box and following the guided procedure on a PC or PDA.

Extremely practical: using the O-Box software, the Era OneC version allows whole packs of 10 devices to be programmed in a single procedure, without even opening them!

Elegant and convenient: the Era One transmitter can be used as a stylish, high-tech keyring or fixed to the wall or your car's dashboard with the handy support (**ONECLIPKIT**).

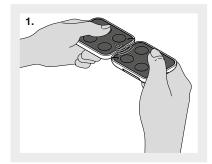
Era OneFM, ideal for use in cities or places where many devices are present.

868.46 MHz Rolling Code transmitter line, using frequency modulation (FM), less sensitive to interference than amplitude modulation AM.

TRANSMITTER TECHNICAL SPECIFICATIONS

Code	Description Pc/Pack									
ON1E	1 channel, 433.9	2 MHz		10						
ON2E	2 channels, 433.	92 MHz				10				
ON4E	4 channels, 433.	92 MHz				10				
ON9E	9 channels, 433.92 MHz 10									
ON1CE	1 channel, 433.9	2 MHz, with multip	le input sequential	encoding		10				
ON2CE	2 channels, 433.	92 MHz, with multi	ple input sequentia	l encoding		10				
ON4CE	4 channels, 433.	92 MHz, with multi	ple input sequentia	l encoding		10				
ON1EFM	1 channel, 868.4	6 MHz				10				
ON2EFM	2 channels, 868.	46 MHz				10				
ON4EFM	4 channels, 868.	46 MHz				10				
ON9EFM	9 channels, 868.	46 MHz				10				
ONECLIPKIT	White plastic clip	support with adhes	sive for wall mount	ing		10				
	Carrier frequency	Estimated range	Encoding	Power supply	Battery life	Ingress protection class	Dimensions Weight			
ON_E, ON_CE	433.92 MHz	200 m (outdoor); 35 m (if inside	0-Code 72 bit;	3 Vdc; type CR2032	2 years (with 10 transmissions	IP40 (use in protected	45x56x11 h mm			
ON_EFM	868.46 MHz	buildings)*	rolling code	lithium battery	per day)	environments)	18 g			

* Transmitter range and receiver reception capacity may be affected by any devices operating on the same frequency in the area.





Code exchange between a memorized transmitter and a new one, to be memorized.

Possible memorisation using Nice O-Box and the "Certificate".

Nice **Era Flor** Transmitters and receivers

TRANSMITTER TECHNICAL SPECIFICATIONS

Code	Description			Pc/Pack			
FL01RE	1 channel Era FloR tra	nsmitter			10		
FL02RE	2 channel Era FloR tra	nsmitter			10		
FL04RE	4 channel Era FloR tra	nsmitter		10			
FL01RCE	1 channel Era FloR tra	nsmitter with multiple	ding	10			
FL02RCE	2 channel Era FloR tra	nsmitter with multiple	ding	10			
FL04RCE	4 channel Era FloR tra	nsmitter with multiple	input sequential enco	ding	10		
FLORCLIPKIT	Black plastic clip supp	ort with adhesive for v	vall mounting		10		
Carrier frequency	Estimated range	Encoding	Power supply	Battery life	Ingress protection class	Dimensions Weight	
433.92 MHz	150/200 with tuned antenna in open spaces*	52 bit digital (4.5 million billion combinations)	3 Vdc; lithium battery type CR2032	3 years (with 10 transmissions per day)	IP40 (use in protected environments)	45x56x11 h mm 18 g	

* Transmitter range and receiver reception capacity may be affected by any devices operating on the same frequency in the area.



Nice

FLO1RE





FLO2RE

FLO4RE

1, 2, 4 channel transmitters with a new stylish design.

433.92 MHz rolling code system with self-learning function.

Also available in versions with multiple input sequential encoding (Era FlorCE).

Absolute security: rolling code transmission makes the transmitter impossible to clone.

Ideal solution for the management of multi-user apartment block systems thanks to the unique, personal code.

Easy duplication of new transmitter close to the system by using an authorised transmitter or directly using a key on the receiver, while a LED displays the various functions.

Extremely practical: using the O-Box programming unit, the Era Flor-CE version allows whole packs of 100 devices to be programmed in a single procedure, without even opening them. **The O-Box** and dedicated software applications for PC and PDA allow:

- quick, user-friendly programming of receivers and transmitters;
- management and printout of code list;
- creation of individual **installation databases** (useful in multi-user systems).
- Optimal autonomy and low consumption.

Elegant and convenient: the Era FloR transmitter can be used as a stylish, high-tech keyring or fixed to the wall or your car's dashboard with the handy support (**FLORCLIPKIT**).

Total compatibility: with previous Flor series receivers (universal, universal modular and with Nice or SM connector) and with the One receivers (OXI/OXIT, OX2/ OX2T and OX4T).

Nice O-View Multipurpose control unit



OVBTGSM

NiceOpera

SOFTWARE SUITE

OPERA

OVBT

Unit for control, programming and diagnostics for devices equipped with BUS T4 connection, on site or remotely via GPRS thanks to the connection with your PDA, Smartphone or PC.

Advanced management: O-View connects to the compatible control unit by IBT4N interface and BUS T4 cable (supplied), providing access to all control unit parameters to adapt the system to every need.

By connecting O-View permanently to a control unit or group of control units via BUS T4, a network can be created for local or remote centralised management.

Programmable: thanks to the built-in clock, it is also possible (with integrated backup battery) to program delivery of commands at a set time, for example to automate opening and closing of complex industrial and commercial systems or for the creation of "scenarios".

A practical wall-mounted support supplied.

Simple programming mode: with intuitive menus valid for each product, with no need to consult the specific instructions.

O-View powers up and automatically recognises all devices on the network as soon as it is connected, displaying only the specific parameters of the device on which to intervene.

In the case of several devices on the network the BUS T4 address is identifiable by means of a text label personalised as required, enabling rapid recognition of the associated device.

Safe: two password- protected levels (for the user and the installer).

Practical: O-View is your portable office, and can be connected just when programming or for maintenance, or can be installed permanently on site to exploit all the benefits of local or remote centralised management.

TECHNICAL SPECIFICATIONS

Code	Description	Pc/Pack
OVIEW	Unit for control, programming and diagnostics of devices equipped with BUS T4 connection	1
OVBT	Bluetooth module for O-View and "O-View Software Suite" application for PC, PDA or Smartpho- ne	1
OVBTGSM	GSM module for O-View and "O-View Software Suite" application for PC, PDA or Smartphone	1

Graphic interface	LCD display 128x64 dots (46x29 mm); 2.2"			
Operator input device	Joypad with 5 + 2 keys			
Display/key lighting	White light			
Time and date display	With backup battery (min. lifetime 10 years)			
Maximum number of commands per hour	64			
Event log	Storage capacity 400 events			
Connection cable length (m)	2 (cable supplied); 700 (other cable)			
Power supply	Supplied by devices on BUS T4 network			
Absorbed current (mA)	Max. 20 (without accessories)			
Insulation	Class III			
Housing protection rating (IP)	20			
Working temp. (°C Min/Max)	From -20° to +55°			
Dimensions (mm)	107x61x20 h (with wall-mounted support: 125x70x32 h)			
Weight (g)	75 (without cable)			





OVBT

Bluetooth connection module for O-View interface.

"O-View Software Suite" enables connection via PC or PDA to O-View in the vicinity of the system, to intervene on the control units on the BUS T4 network.

Maximum connection distance 15 m.

O-VIEW SOFTWARE SUITE

This application, supplied with OVBT and OVBTGSM, as well as expanding the functions of O-View enables the creation of a database of installations with personal data of clients and configurations of each system, even on more complex versions.

By connecting to the site www.niceforyou.com users can download the constantly updated firmware and software versions.

The interface of "O-View Software Suite" has been specially designed to enable rapid access to all parameters of the connected devices without the need for physical access, as well as quick diagnostics of malfunctions by consulting the event log, all the most practical and intuitive way possible.

The O-View control function has been expanded: in just one PC screen, all applications connected via BUS T4 can be controlled.

Minimum requirements

O-View Desktop version for PC:

- Processor: type AMD[®]/Intel[®] (500 MHz) Recommended by Nice: type AMD[®]/Intel[®] (1 GHz)
- RAM: 128 MB Recommended by Nice: 256 MB
- Free space on disk: 280 MB Recommended by Nice: 512 MB
- Operating system: Operating system: Windows[®] 98 SE or later - Recommended by Nice: Windows[®] 2000 or later up to Win 7
- Connection: Bluetooth®
- Graphics resolution: 800 x 600, 256 colours
- Disk drive: CD-Rom (required for installation).

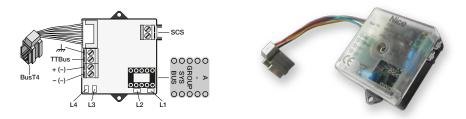
NOTE Software installation includes installation of the Microsoft[®].NET Framework Redistributable 2.0 programme.

OVBTGSM

In addition to the benefits of the OVBT module, the automation or network of automations can now be **controlled via GSM** by connecting O-View to the system via BUS T4.

A GPRS connection also enables connection via the Internet to O-View to obtain all management functions offered by the software from any location with no need for presence on site. The user can remotely control the automation via GSM, from any of the enabled numbers, and check status, such as opening a gate by means of a phone call or by sending 4 different controls via SMS text message, with the security offered by entry of a unique password.

INB, the Nice control interface that enables communication between the systems Nice Bus (TTBus and BusT4) and MyHome of BTicino (SCS).



TECHNICAL SPECIFICATIONS

Code	Description				Pc/Pack	
INB	Communication inte	erface between Btici	ce Bus (TTBus and Bi	usT4) 1		
	Power supply	Consumption	Insulation	Protection level (IP)	Working temp. (°C Min. Max)	Dimensions (mm)
INB	to BusT4, or 24 Vac/ dc (limits 20 ÷ 35 Vdc, 22 ÷ 35 Vac)	approx. 18 mA	class III	20	-20÷50 °C	41x52x18h

Nice Receivers Era Inti, One, Flor, NiceWay

The complete line of receivers with Opera system functions, suitable for all installation requirements:

- with connector, compatible with Nice control units with SM type connector and third-party control units thanks to the OX2UBP hardware interface.
- universal prewired, for use with all types of control unit, for the control of any automation, lighting or irrigation system or other electric circuits.

Maximum flexibility: up to 1024 transmitters can be memorised.

Convenient and practical: the inclusion of a transmitter in the OXITFM, OX2T/OX2TFM and OX4T receivers allows radio codes to be accessed by means of the O-Box multifunction interface even when in inaccessible positions.

OXITFM, OX2T/OX2TFM and OX4T receivers can be used as signal repeaters to increase the operating distance between transmitters and other One series receivers.

Secure use, thanks to the 3 password-protected levels.

 $\ensuremath{\text{The O-Box}}$ and dedicated software applications for PC and PDA allow:

- quick, user-friendly programming of receivers and transmitters;
- management and printout of code list;
- creation of individual **installation databases** (useful in multi-user systems).

Management of multi-user system: through the unique, personal code: the recognition receivers can receive and memorise up to 255 codes.

Memorisation: a particular receiver output can be associated to each transmitter key (e.g. key 3 TX= output 1 RX).

433.92 MHz RECEIVERS, WITH OPERA SYSTEM FUNCTIONS

Code	Description	Pc/Pack
WITH CONN	ECTOR	
OXIBD	Radio receiver with connector, bidirectional, 433.92 MHz	1
UNIVERSAL	PREWIRED	
0X2	2 channels, without built-in transmitter	1
OX2T	2 channels, with built-in transmitter	1
OX4T	4 channels, with built-in transmitter	1
HARDWARE	INTERFACE	

1

OX2UBP Universal hardware interface for OXI series plug-in receivers



868.46 MHz RECEIVERS, WITH OPERA SYSTEM FUNCTIONS

Code	Description	Pc/Pack
WITH CONNE	CTOR	
OXIFM	4 channels, without built-in transmitter	1
OXITFM	4 channels, with built-in transmitter	1
UNIVERSAL F	PREWIRED	
OX2FM	2 channels, without built-in transmitter	1
OX2TFM	2 channels, with built-in transmitter	1



OXIFM, OXITFM OX2FM, OX2TFM

PROFESSIONAL, TUNED DIRECTIONAL AERIAL

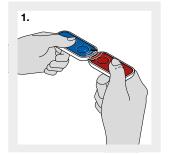
ABF	Bracket mounted	1	

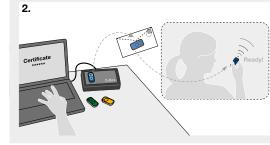
MULTI-FUNCTION INTERFACE

Code	Description	Pc/Pack	_
OBOX2	Dual Band Interface, for 433.92/868.46 MHz devices, complete with software, supplied with USB connection cable	1	-
OBOX2B	Dual Band Interface, for 433.92/868.46 MHz devices, complete with software, with USB connection cable and built-in Bluetooth module	1	



O-BOX



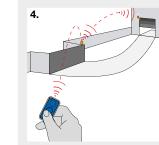


Code exchange between a memorized transmitter and a new one, to be memorized.

Possible memorisation using Nice $\ensuremath{\text{O-Box}}$ and the "Certificate".



The presence of a "transmitter" in the OXIT, OX2T and OX4T receivers allows radio codes to be accessed by means of the O-Box multifunction interface.



OXIT, OX2T and OX4T receivers can be used as signal repeaters.

RECEIVER WITH OPERA SYSTEM - TECHNICAL SPECIFICATIONS

Code	Reception frequency (MHz)	Transmission frequency (MHz)	Input impedance (Ohm)	Sensitivity	Encoding	Number of channels	Relay contact	Power supply	Absorption	Ingress protection class	Dimensions (mm)	Weight (g)
OXIBD		433.92 MHz (BD only)	50	-108 dBm	BD, O-Code, FloR, TTS, Flo, Smilo	4 (on "SM" plug-in connector)	-	5 Vdc	50 mA (max)	IP 30	49.5x18x41.9 h	22
0X2	433,92	-	-			2	max 0.5 A 50	from 12 to 28	80 mA (max) with	1 50	58x86x22 h	55
0X2T	433,92	>0.5 µ V for		V (NA) \	Vdc/Vac	relays active						
0X4T		433,92		successful signal	O-Code, FloR, Flo	4 relays with NO and NC contacts, voltage-free	5 A - 250 V	110 ÷ 240 Vac 50/60 Hz	80 mA	IP 44 (with container intact)	128x112x43 h	260
OXIFM												
OXITFM		868,46		>0.8 µ V for signals with successful	O-Code -	4 (15 on BUS T4)	-	5 Vdc	30 mA (max)	IP 30	50x19x45 h	20
0X2FM		-		outcomes		0	max 0.5 A 50	from 12 to 28	100 mA (max) with	IF 30	50.00.001	
0X2TFM		868,46				2	V (NA)	Vdc/Vac	relays active	58x86x22	58x86x22 h	55

ACCESSORIES - TECHNICAL SPECIFICATIONS

Code	Reception frequency (MHz)	Impedance (Ohm)	Bracket	Cablec
ABF	433,92	50	stainless steel	RG 58

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