Nice

Industrial Door

Automation systems for industrial doors.

2023 Catalogue

Nice Industrial Door

2023 Catalogue

Contents:

Why Nice

We’re born with the simple gesture of welcoming: opening the gates means inviting everyone to discover simple-to-use, easy-to-install projects designed to improve well-being.

We create smart building management systems, we think innovative in substance and design-conscious in form.

Why Nice?
Because every day, Nice designs not only automations, but modular, customisable systems to make life safer, easier and more pleasant.

An international network.

We speak more than 20 languages, are present in 100 countries worldwide and have more than 30 nationalities.
We operate worldwide through direct subsidiaries, with 15 research centres able to transform the consumer's needs into efficient building management systems.
Our ever-growing, future-tuned spirit vibrates in our hub, TheNicePlace, dedicated to interaction and participation.

The design thinking, simple.

We are creative in imagining needs, pragmatic in finding solutions.
Making products has never been enough for us: we design solutions and methods to get the most out of life.
We are attentive to the inspiration that comes to us from the world to guide us in the design of connected, integrated networks, realising or anticipating needs.

The technology, smart.

Our approach to technology is people-centred: we design modular customisable systems for them, aware that everyone has different lifestyles and habits.
We like technology to be simple, to solve problems, to also meet the needs of a fragile public, to be nothing but the pleasure and security of a building that dialogues with its occupants.

Nice

Nice, we design a sustainable future.

In line with the goals of the UN 2030 Agenda, we are committed to designing systems that encourage reduced environmental impact, combat energy waste and are produced with particular focus on the planet's ecological balance.

Our planet is the Earth, our home is the future.

We design for a clean, sustainable, safe future.

Life oriented

Our focus on sustainability is part of our active commitment to make the lives of those who choose Nice safer and more aware.
We develop projects that optimise management of natural light and heat; we implement systems to control energy consumption; we ensure safety and well-being by measuring air quality and the presence of harmful gases, offering integrated systems providing comprehensive management of buildings and improving their occupants quality of life.

Planet oriented

Our love for the Earth drives us to create systems to help control the energy consumption of buildings.
Our building management solutions are designed with sustainability in mind, to reduce environmental impact and boost energy efficiency.
We develop control and management solutions for heating, cooling, and lighting and for monitoring electrical loads.
We work alongside users to offer new ways to be mindfulness.

Future oriented

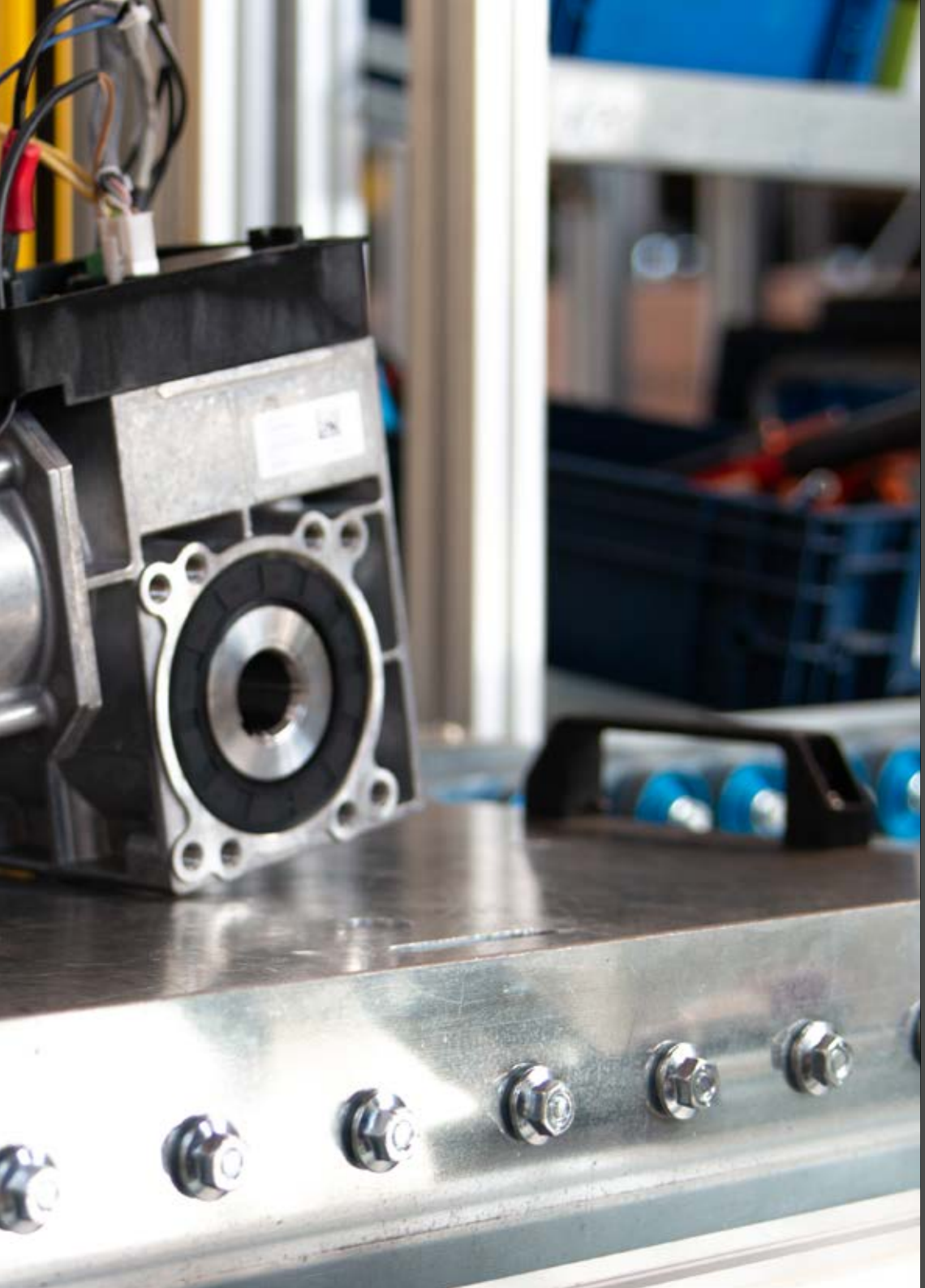
We make products aimed at reducing our footprint on the world and improving the quality of life.
We pay attention to environmental sustainability, so much so that we were the first to define guidelines for the life cycle of electric motors with the Life Cycle Assessment, obtaining international EPD (Environmental Product Declaration) certification.
We design safe, energy-efficient home automations using recycled materials.
Our packaging is sustainable, made of 100% recyclable natural cardboard, with no plastic parts; our instructions are available in digital format.

Nice

Nice for Industrial Doors Automation Sistems.

Nice products stand out for their advanced electronics, high aesthetic quality and attention to details.
Nice has made significant investments to guarantee maximum quality standards, always focus on continuous product improvement through high-tech procedures and experimentation.

Quality and safety, along with a focus on product design, are the focus of our commitment to constant improvement of our products and processes sustainability.



For the 100% produced gearmotors and control units there is an end of line functional test with a dedicated testing bench.

The testing procedure is divided in three steps:
1) Routine safety test as required by IEC FDIS 60335-1
2) Functional test that simulates the working sequence of motors checking all inputs and outputs.
3) Visual check of correct assembly and packaging.

We have adopted a certified quality management system in conformity with the ISO 9001:2015 standard, and in the new product development phase we take all necessary precautions to ensure that all applicable regulatory requirements are analysed and complied with from the design phase.

Product certifications meet the essential requirements set by two directives of the European Parliament and of the Council of 26 February 2014: Directive 2014/35/EU, also known as the Low Voltage Directive (LVD), on electrical equipment designed for use within certain voltage limits, and Directive 2014/30/EU on electromagnetic compatibility (EMC), which harmonises the laws of the Member States relating to electromagnetic compatibility of devices to be placed on the market.

Nice

The right solutions for all door automations in trade and industry.

Nice is the right partner for all your automation systems providing a wide experience and a full range of products to be integrated to your doors. Together with our partners we can manage complete automation projects with the highest flexibility and reliability.

Aviation

Cold Storage

Food Industry

Pharmaceutical

Manufacturers

Retails

Nice

Automation systems for counterbalanced sectional doors

Instruction manuals

SCAN ME

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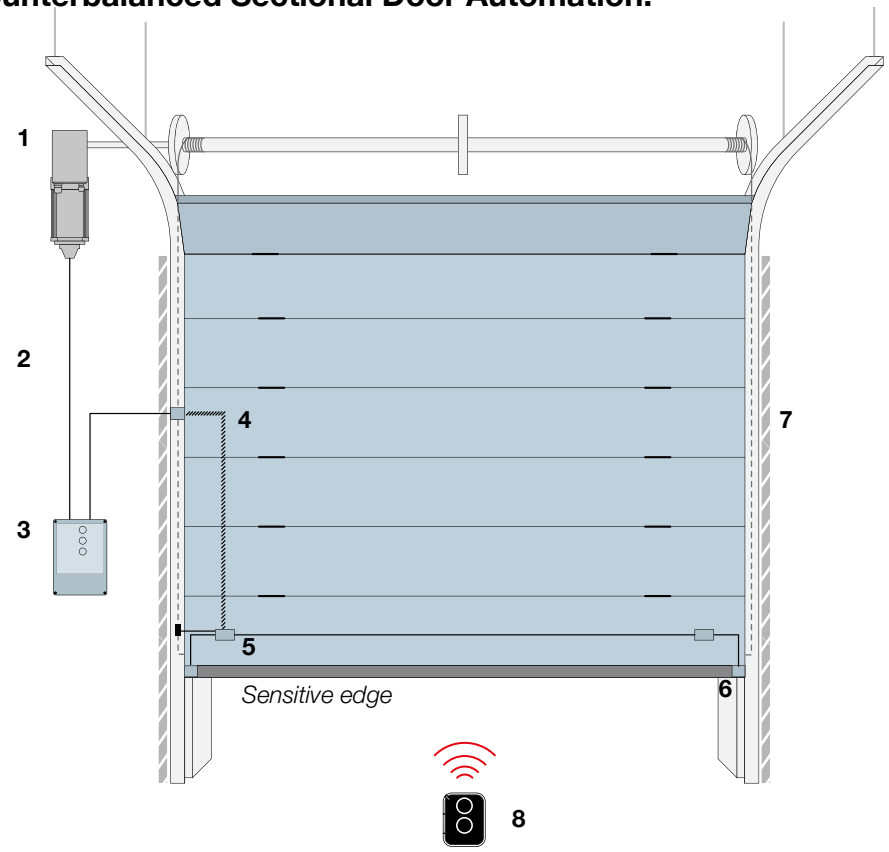
Design Guidelines

Typical Counterbalanced Sectional Door Automation.



LEGENDA

1. Motor **2.** Motor - Control Unit Cable **3.** Control Unit
4. Spiral Cable **5.** Junction Box **6.** Optosensors
7. Light Barriers **8.** Transmitter

See Page 56
for Accessories (4, 5, 6, 7) →

See Page 46
for Control Unit (3) →

See Page 54
for Motor Control Unit Cables (2) →

Nice helps you in designing the best package for your door automation.

On Site Data	01	Knowing the door mechanical features and sizes is the starting point to properly identify the required motor model. Resulting automation performances are therefore optimized and the after sales risk is minimized.
Motor Choice	02	
Control Unit Choice	03	The control unit is the intelligent core of the system so granting the correct automation working and safety. Nice accessories may complete the system in a very professional way.
Motor Control Unit Cable Choice	04	
Accessories Choice	05	

Nice can support all partners not only sharing the technical information but also with proper training both on pre-sales and after sales activities.

Nice

SD Standard Gearmotor Models (EL Version)

Model	Item	Item Description	Max Door Surface *	Max Door Weight *	Max Torque	Rated Torque	Ouput Speed	Max. Hold. Torque	Max. Cycles-Hour *	Operating Voltage	Ø Diam.	Limit Switches	Motor Power	Rated Current	Emerg. Oper.	Inverter	Brake	Anti-fallback System	Weight	IP Protec. Rate	Aver. El. Consumpt.
			sqm	kg	Nm	Nm	rpm	Nm		V	mm		kW	A					kg		Wh
SD-70-20	**NDCM1124**	SD-70-20 3_400 D25.4 EL15 0.37KW E IP54	23	300	70	56	20	600	6/15	3_400	25,40	EL15	0,37	1,6	E	-	-	-	10	IP54	5.5
	NDCMT002	SD-70-20 1N_230 D25.4 EL15 0.37KW E IP54	19	250	60	48	20	600	5/13	1N_230	25,40	EL15	0,37	2,6	E	-	-	-	10	IP54	5.5
	NDCM1122	SD-70-20 3_400 D25.4 EL15 0.37KW KE-5 IP54	23	300	70	56	20	600	6/15	3_400	25,40	EL15	0,37	1,6	KE-5	-	-	-	10	IP54	5.5
	NDCMT001	SD-70-20 1N_230 D25.4 EL15 0.37KW KE-5 IP54	19	250	60	48	20	600	5/13	1N_230	25,40	EL15	0,37	2,6	KE-5	-	-	-	10	IP54	5.5
	NDCM1123	SD-70-20 3_400 D25.4 EL15 0.37KW KU IP54	23	300	70	56	20	600	6/15	3_400	25,40	EL15	0,37	1,6	KU	-	-	-	10	IP54	5.5
	NDCMT003	SD-70-20 1N_230 D25.4 EL15 0.37KW KU IP54	19	250	60	48	20	600	5/13	1N_230	25,40	EL15	0,37	2,6	KU	-	-	-	10	IP54	5.5
SD-80-30	**NDCM1166**	SD-80-30 3_400 D25.4 EL15 0.55KW E IP54	29	380	80	64	30	600	6/15	3_400	25,40	EL15	0,55	2,4	E	-	-	-	10	IP54	5.5
	NDCM1153	SD-80-30 3_400 D25.4 EL15 0.55KW KE-5 IP54	29	380	80	64	30	600	6/15	3_400	25,40	EL15	0,55	2,4	KE-5	-	-	-	10	IP54	5.5
	NDCM1167	SD-80-30 3_400 D25.4 EL15 0.55KW KU IP54	29	380	80	64	30	600	6/15	3_400	25,40	EL15	0,55	2,4	KU	-	-	-	10	IP54	5.5
SD-100-24	**NDCM0074**	SD-100-24 3_400 D25.4 EL15 0.37KW E IP54	35	450	100	80	24	600	7/18	3_400	25,40	EL15	0,37	1,6	E	-	-	-	11	IP54	5.5
	NDCM0199	SD-100-24 3_400 D25.4 EL15 0.37KW KE-5 IP54	35	450	100	80	24	600	7/18	3_400	25,40	EL15	0,37	1,6	KE-5	-	-	-	11	IP54	5.5
	NDCM0006	SD-100-24 3_400 D25.4 EL15 0.37KW KU IP54	35	450	100	80	24	600	7/18	3_400	25,40	EL15	0,37	1,6	KU	-	-	-	11	IP54	5.5
SD-120-20	**NDCM0046**	SD-120-20 3_400 D25.4 EL15 0.37KW E IP54	41	530	120	96	20	600	5/13	3_400	25,40	EL15	0,37	1,6	E	-	-	-	11	IP54	5.5
	NDCM0214	SD-120-20 3_400 D25.4 EL15 0.37KW KE-5 IP54	41	530	120	96	20	600	5/13	3_400	25,40	EL15	0,37	1,6	KE-5	-	-	-	11	IP54	5.5
	NDCM0111	SD-120-20 3_400 D25.4 EL15 0.37KW KU IP54	41	530	120	96	20	600	5/13	3_400	25,40	EL15	0,37	1,6	KU	-	-	-	11	IP54	5.5
SD-140-20	**NDCM0081**	SD-140-20 3_400 D31.75 EL15 0.55KW E IP54	46	600	140	112	20	600	6/15	3_400	31,75	EL15	0,55	2,4	E	-	-	-	12	IP54	8.1
	NDCM0158	SD-140-20 3_400 D25.4 EL15 0.55KW E IP54	46	600	140	112	20	600	6/15	3_400	25,40	EL15	0,55	2,4	E	-	-	-	12	IP54	8.1
	NDCM0051	SD-140-20 3_400 D31.75 EL15 0.55KW KE-5 IP54	46	600	140	112	20	600	6/15	3_400	31,75	EL15	0,55	2,4	KE-5	-	-	-	12	IP54	8.1
	NDCM0102	SD-140-20 3_400 D25.4 EL15 0.55KW KE-5 IP54	46	600	140	112	20	600	6/15	3_400	25,40	EL15	0,55	2,4	KE-5	-	-	-	12	IP54	8.1
	NDCM0007	SD-140-20 3_400 D31.75 EL15 0.55KW KU IP54	46	600	140	112	20	600	6/15	3_400	31,75	EL15	0,55	2,4	KU	-	-	-	12	IP54	8.1
	NDCM0211	SD-140-20 3_400 D25.4 EL15 0.55KW KU IP54	46	600	140	112	20	600	6/15	3_400	25,40	EL15	0,55	2,4	KU	-	-	-	12	IP54	8.1

***** Estimated values in case of 13 Kg / sqm door and 120 mm door drum diameter.

Notes for specific technical issues,
See Page 52 →

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SD Product Key Information

How to read the product name.

Item NDCM0199

Item Description

SD-100-24 3_400 D25.4 EL15 0.37KW KE-5 IP54

Serie	Max Torque	Ouput Speed	Operating Voltage	Ø Diameter	Limit Switch	Motor Power	Emergency Operation	IP Protection Rate
	Nm	rpm	V	mm		kW		
SD	70	20	3_400	25,40	EL 15	0,37	E	IP 54
	80	24	1N_230	31,75	ME 15	0,55	KE-5	
	100	30					KU	
	120							
	140							

SD Emergency Operation Options

KU
Hand Crank

KE-5
Chain
Release

E
Declutch

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SD Standard Gearmotor Models (ME Version)

Model	Item	Item Description	Max Door Surface *	Max Door Weight *	Max Torque	Rated Torque	Ouput Speed	Max. Hold. Torque	Max. Cycles/Hour *	Operating Voltage	⌀ Diam.	Limit Switches *	Motor Power	Rated Current	Emerg. Oper.	Inverter	Brake	Anti-fallback System	Weight	IP Protec. Rate	Aver. El. Consumpt.	Equiv. EL-Motor
			sqm	kg	Nm	Nm	rpm	Nm		V	mm		kW	A					kg		Wh	
SD-70-20	**NDCM0010**	SD-70-20 1N_230 D25.4 ME15 0.37KW E IP54	19	250	60	48	20	600	5/13	1N_230	25.40	ME15	0.37	2.6	E	-	-	-	12	IP54	5.5	NDCMT002
	NDCM1157	SD-70-20 3_400 D25.4 ME15 0.37KW E IP54	23	300	70	56	20	600	6/15	3_400	25.40	ME15	0.37	1.6	E	-	-	-	12	IP54	5.5	NDCM1124
	NDCM0126	SD-70-20 1N_230 D25.4 ME15 0.37KW KE-5 IP54	19	250	60	48	20	600	5/13	1N_230	25.40	ME15	0.37	2.6	KE-5	-	-	-	12	IP54	5.5	NDCMT001
	NDCM1130	SD-70-20 3_400 D25.4 ME15 0.37KW KE-5 IP54	23	300	70	56	20	600	6/15	3_400	25.40	ME15	0.37	1.6	KE-5	-	-	-	12	IP54	5.5	NDCM1122
	NDCM0151	SD-70-20 1N_230 D25.4 ME15 0.37KW KU IP54	19	250	60	48	20	600	5/13	1N_230	25.40	ME15	0.37	2.6	KU	-	-	-	12	IP54	5.5	NDCMT003
	NDCM1156	SD-70-20 3_400 D25.4 ME15 0.37KW KU IP54	23	300	70	56	20	600	6/15	3_400	25.40	ME15	0.37	1.6	KU	-	-	-	12	IP54	5.5	NDCM1123
SD-100-24	**NDCM0040**	SD-100-24 3_400 D25.4 ME15 0.37KW E IP54	35	450	100	80	24	600	7/18	3_400	25.40	ME15	0.37	1.6	E	-	-	-	11	IP54	5.5	NDCM0074
	NDCM0022	SD-100-24 3_400 D25.4 ME15 0.37KW KE-5 IP54	35	450	100	80	24	600	7/18	3_400	25,40	ME15	0,37	1,6	KE-5	-	-	-	11	IP54	5.5	NDCM0199
	NDCM0073	SD-100-24 3_400 D25.4 ME15 0.37KW KU IP54	35	450	100	80	24	600	7/18	3_400	25,40	ME15	0,37	1,6	KU	-	-	-	11	IP54	5.5	NDCM0006
SD-120-20	**NDCM0082**	SD-120-20 3_400 D25.4 ME15 0.37KW E IP54	41	530	120	96	20	600	5/13	3_400	25,40	ME15	0,37	1,6	E	-	-	-	11	IP54	5.5	NDCM0046
	NDCM0301	SD-120-20 3_400 D25.4 ME15 0.37KW KE-5 IP54	41	530	120	96	20	600	5/13	3_400	25,40	ME15	0,37	1,6	KE-5	-	-	-	11	IP54	5.5	NDCM0214
	NDCM0147	SD-120-20 3_400 D25.4 ME15 0.37KW KU IP54	41	530	120	96	20	600	5/13	3_400	25,40	ME15	0,37	1,6	KU	-	-	-	11	IP54	5.5	NDCM0111
SD-140-20	**NDCM1090**	SD-140-20 3_400 D25.4 ME15 0.55KW E IP54	46	600	140	112	20	600	6/15	3_400	25,40	ME15	0,55	2,4	E	-	-	-	12	IP54	8.1	NDCM0158
	NDCM0408	SD-140-20 3_400 D31.75 ME15 0.55KW E IP54	46	600	140	112	20	600	6/15	3_400	31,75	ME15	0,55	2,4	E	-	-	-	12	IP54	8.1	NDCM0081
	NDCM0120	SD-140-20 3_400 D31.75 ME15 0.55KW KE-5 IP54	46	600	140	112	20	600	6/15	3_400	31,75	ME15	0,55	2,4	KE-5	-	-	-	12	IP54	8.1	NDCM0051
	NDCM0296	SD-140-20 3_400 D25.4 ME15 0.55KW KE-5 IP54	46	600	140	112	20	600	6/15	3_400	25,40	ME15	0,55	2,4	KE-5	-	-	-	12	IP54	8.1	NDCM0102
	NDCM0128	SD-140-20 3_400 D31.75 ME15 0.55KW KU IP54	46	600	140	112	20	600	6/15	3_400	31,75	ME15	0,55	2,4	KU	-	-	-	12	IP54	8.1	NDCM0007
	NDCM0266	SD-140-20 3_400 D25.4 ME15 0.55KW KU IP54	46	600	140	112	20	600	6/15	3_400	25,40	ME15	0,55	2,4	KU	-	-	-	12	IP54	8.1	NDCM0211

***** Estimated values in case of 13 Kg / sqm door and 120 mm door drum diameter.

Notes for specific technical issues,
See Page 52 →

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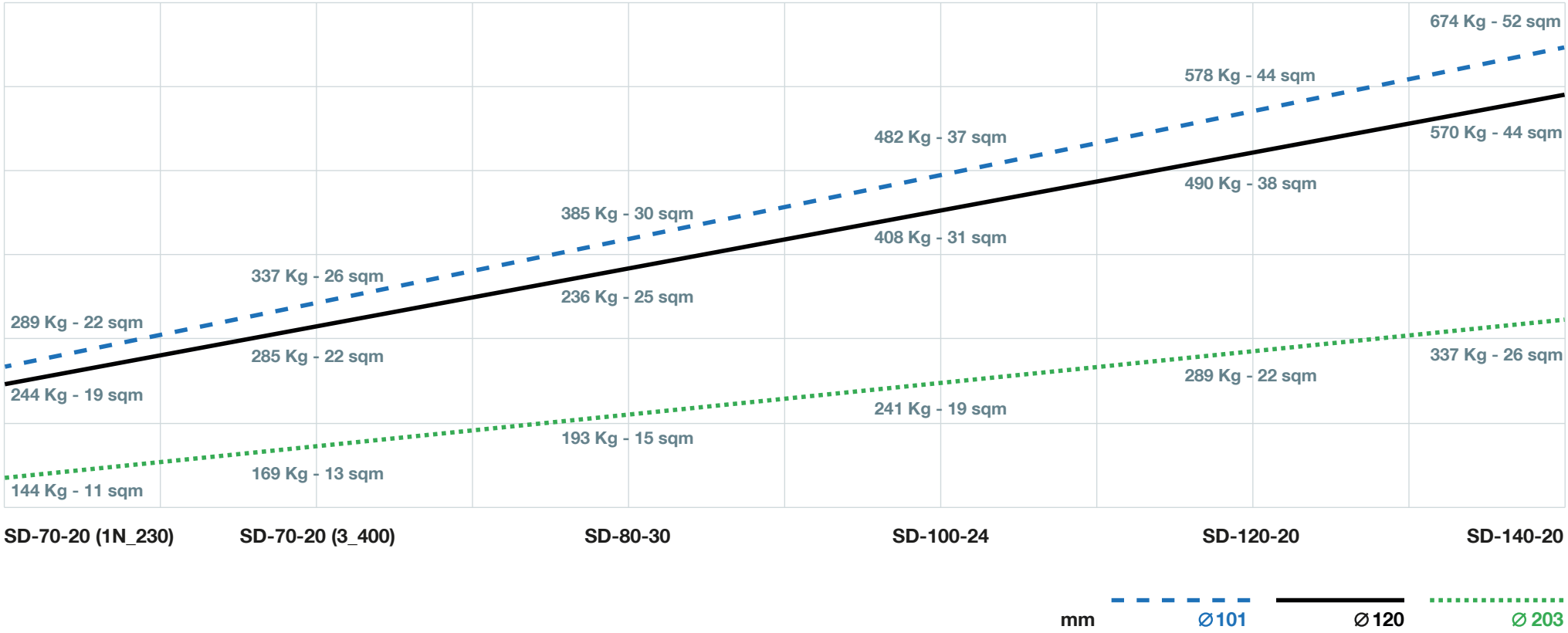
SD Standard Gearmotors and Door Drum Typical Diameters

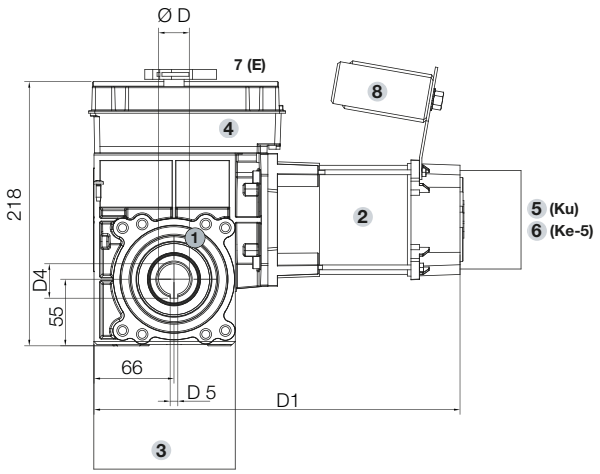


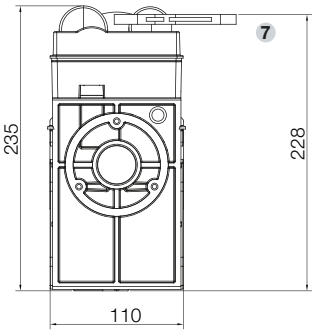
Drum	SD-70-20 (1N_230)		SD-70-20 (3_400)		SD-80-30		SD-100-24		SD-120-20		SD-140-20	
mm	Kg *	sqm *	Kg *	sqm *	Kg *	sqm *	Kg *	sqm *	Kg *	sqm *	Kg *	sqm *
101	289	22	337	26	385	30	482	37	578	44	674	52
120	244	19	285	22	236	25	408	31	490	38	570	44
203	144	11	169	13	193	15	241	19	289	22	337	26

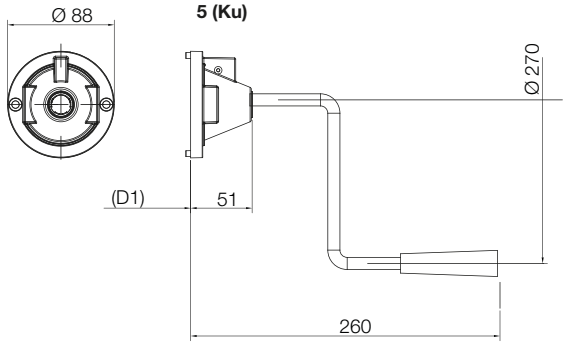
* Estimated values in case of 13 kg / sqm doors and 20% weight tolerance.

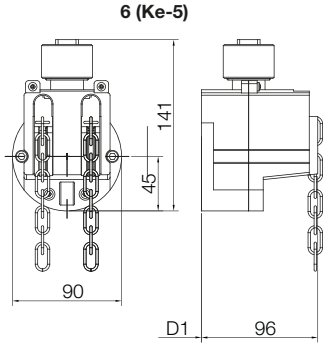
Nice

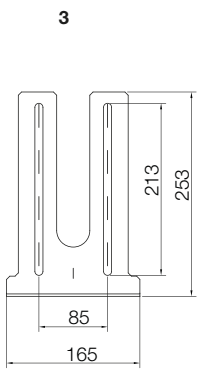
SD Standard Gearmotor Sizes











Gearmotors Parts and Dimensions

Item ME	Parts	D	D1	D4	D5	Equiv. EL Motor
NDCM0010	1-2-3*-4-7-8	25,40	322	28,40	6,35	**NDCMT002**
NDCM1157	1-2-3*-4-7	25,40	322	28,40	6,35	**NDCM1124**
NDCM0126	1-2-3*-4-6-8	25,40	322	28,40	6,35	**NDCMT001**
NDCM1130	1-2-3*-4-6	25,40	322	28,40	6,35	**NDCM1122**
NDCM0151	1-2-3*-4-5-8	25,40	322	28,40	6,35	**NDCMT003**
NDCM1156	1-2-3*-4-5	25,40	322	28,40	6,35	**NDCM1123**
NDCM0040	1-2-3*-4-7	25,40	307	28,40	6,35	**NDCM0074**
NDCM0022	1-2-3*-4-6	25,40	307	28,40	6,35	**NDCM0199**
NDCM0073	1-2-3*-4-5	25,40	307	28,40	6,35	**NDCM0006**
NDCM0082	1-2-3*-4-7	25,40	307	28,40	6,35	**NDCM0046**
NDCM0301	1-2-3*-4-6	25,40	322	28,40	6,35	**NDCM0214**
NDCM0147	1-2-3*-4-5	25,40	322	28,40	6,35	**NDCM0111**
NDCM0408	1-2-3*-4-7	31,75	307	37,70	6,35	**NDCM0081**
NDCM1090	1-2-3*-4-7	25,40	307	28,40	6,35	**NDCM0158**
NDCM0120	1-2-3*-4-6	31,75	307	37,70	6,35	**NDCM0051**
NDCM0296	1-2-3*-4-6	25,40	307	28,40	6,35	**NDCM0102**
NDCM0128	1-2-3*-4-5	31,75	307	37,70	6,35	**NDCM0007**
NDCM0266	1-2-3*-4-5	25,40	307	28,40	6,35	**NDCM0211**

** Separate delivery in the same packing.

LEGENDA

1. Gearbox **2.** Motor **3.** Bracket **4.** Limit Switch Housing (Electronic or Mechanical) **5.** Crank Release **6.** Chain Release
7. Manual Release **8.** Capacitors.

Nice

Automation systems for high speed doors

Instruction manuals

SCAN ME

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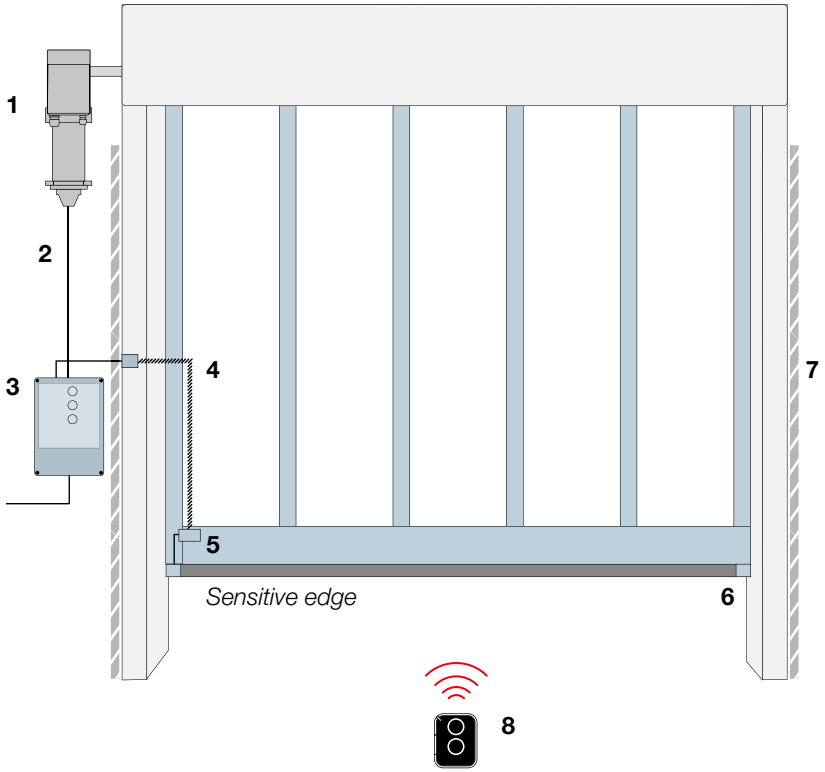
Design Guidelines

Typical High Speed Door Automation.



LEGENDA

1. Motor **2.** Motor - Control Unit Cable **3.** Control Unit
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See Page 56
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See Page 46
for Control Unit (3) →

See Page 54
for Motor Control Unit Cables (2) →

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Motor Control Unit Cable Choice	04	
Accessories Choice	05	

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Nice

HDFI Standard Gearmotor Models

Model	Item	Item Description	Max Door Surface *	Max Door Weight *	Max Torque	Rated Torque	Ouput Speed **	Max. Cycles/Hour	Operating Voltage ***	⌀ Diam.	Limit Switches	Motor Power	Rated Current	Emerg. Oper.	Inverter	Brake	Anti-fallback System	Weight	IP Protec. Rate	Aver. El. Consumpt.
			sqm	kg	Nm	Nm	rpm		V	mm		kW	A					kg		Wh
HDFI-45-95	**NDCM0259**	HDFI-45-95 1N_230 D30 EL15 0.9KW KU BR INV IP54	5	42	45	36	95	100/209	1N_230	30,00	EL15	0,9	4,5	KU	●	●	●	16	IP54	2.2
	NDCM1164	HDFI-45-95 1N_230 D25 EL15 0.9KW KU BR INV IP54	5	42	45	36	95	100/209	1N_230	25,00	EL15	0,9	4,5	KU	●	●	●	16	IP54	2.2
HDFI-60-130	**NDCM1162**	HDFI-60-130 1N_230 D30 EL15 1.1KW KU BR INV IP54	7	55	60	48	130	130/271	1N_230	30,00	EL15	1,1	4,8	KU	●	●	●	16	IP54	2.7
	NDCM1163	HDFI-60-130 1N_230 D25 EL15 1.1KW KU BR INV IP54	7	55	60	48	130	130/271	1N_230	25,00	EL15	1,1	4,8	KU	●	●	●	16	IP54	2.7
HDFI-80-90	**NDCM1160**	HDFI-80-90 1N_230 D30 EL15 0.9KW KU BR INV IP54	9	75	80	64	90	76/159	1N_230	30,00	EL15	0,9	4,8	KU	●	●	●	16	IP54	2.2
	NDCM1161	HDFI-80-90 1N_230 D25 EL15 0.9KW KU BR INV IP54	9	75	80	64	90	76/159	1N_230	25,00	EL15	0,9	4,8	KU	●	●	●	16	IP54	2.2
HDFI-100-120	**NDCM1159**	HDFI-100-120 1N_230 D40 EL20 2.2KW KU BR INV IP54	12	93	100	80	120	85/237	1N_230	40,00	EL20	2,2	15,8	KU	●	●	●	37	IP54	5.4
HDFI-220-60	**NDCM1165**	HDFI-220-60 1N_230 D40 EL20 2.2KW KU BR INV IP54	26	205	220	176	60	40/111	1N_230	40,00	EL20	2,2	12,7	KU	●	●	●	37	IP54	5.4
HDFI-280-40	**NDCM1158**	HDFI-280-40 1N_230 D40 EL20 2.2KW KU BR INV IP54	33	260	280	224	40	26/72	1N_230	40,00	EL20	2,2	15,5	KU	●	●	●	37	IP54	5.4

***** Estimated Values in case of 8 Kg / sqm door and 133 mm winding pipe diameter. ****** Estimated values with 50 Hz settings. ******* 3_230 Volt Motors driven by Inverter (1N_230 power supply).

Notes for specific technical issues,
See Page 52 →

Nice

HDFI Product Key Information

How to read the product name.

Item NDCM1159

Item Description

HDFI-100-120 1N_230 D40 EL20 2.2KW KU BR INV IP54

Serie	Max Torque	Ouput Speed	Operating Voltage	∅ Diameter	Limit Switch	Motor Power	Emergency Operation	Brake	Inverter	IP Protection Rate
	Nm	rpm	V	mm		kW				
HDFI	45	40	1N_230	25,00	EL 15	0,90	KU	BR	INV	IP54
	60	60		25,40	EL 20	1,10				
	80	90		30,00		2,20				
	100	95		40,00						
	220	120								
	280	130								

HDFI Emergency Operation Option

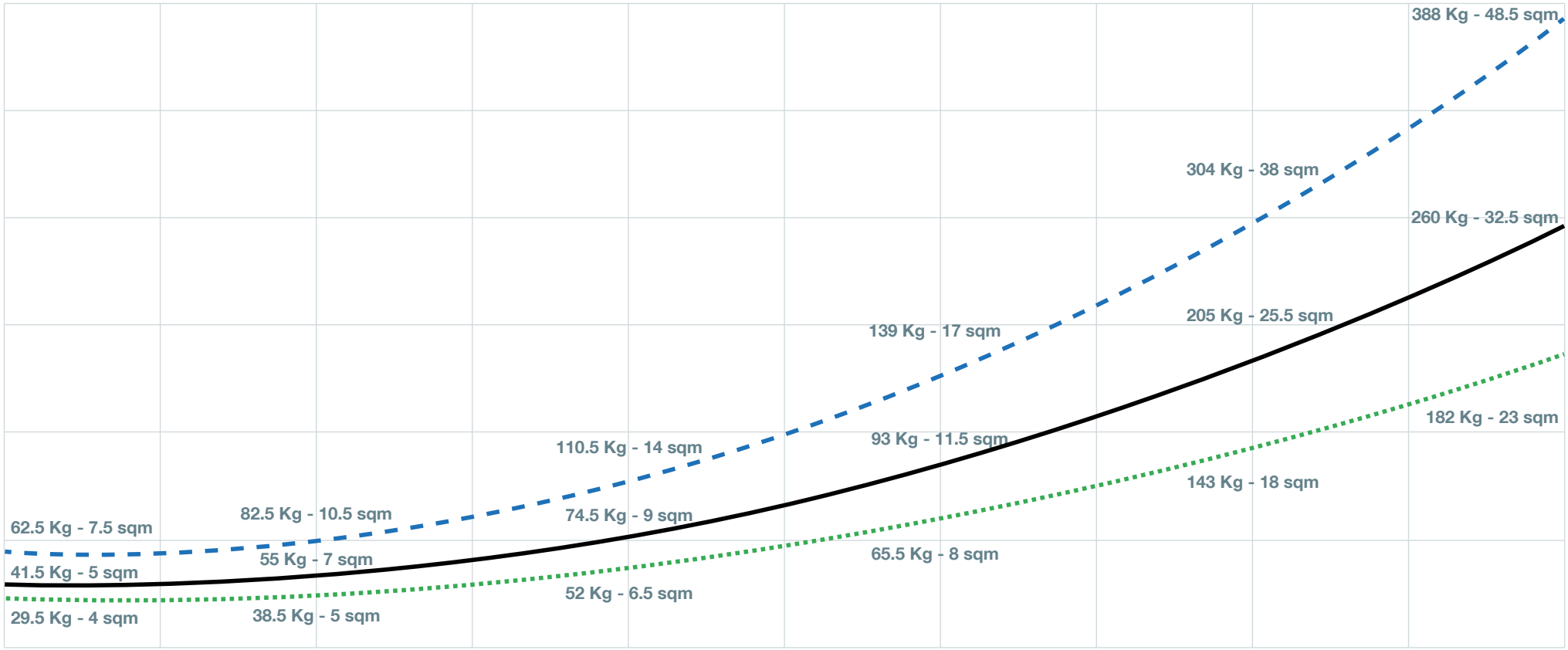
KU
Hand Crank

Speed regulation.

HDFI gearmotors are equipped with frequency inverter for a smooth management of speed and acceleration both on upwards and downwards door movements. The stress reduction on the mechanical parts can therefore grant a longer automation lifetime and less after sales risks.

Nice

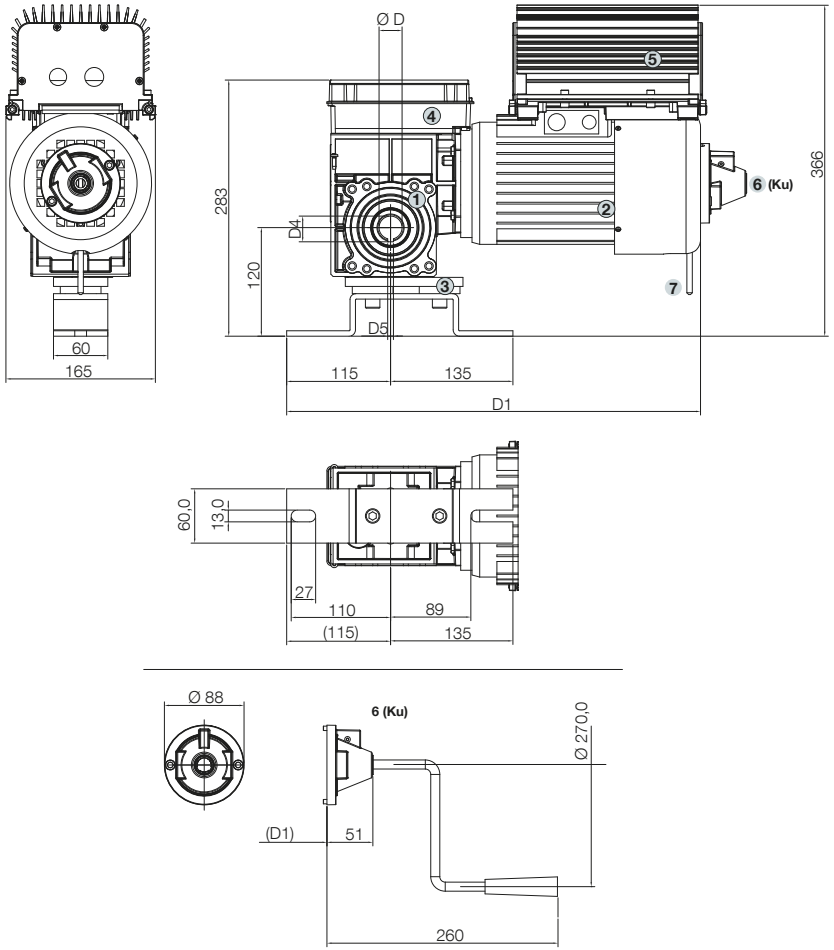
HDFI Standard Gearmotors and Typical Winding Diameters



Winding Diameter	HDFI 45-95		HDFI 60-130		HDFI 80-90		HDFI 100-120		HDFI 220-60		HDFI 280-40	
mm	Kg*	sqm*	Kg*	sqm*	Kg*	sqm*	Kg*	sqm*	Kg*	sqm*	Kg*	sqm*
88	62	7	82	10	110	14	139	17	304	38	388	48
101	55	7	73	9	98	12	123	15	270	34	344	43
114	49	6	65	8	87	11	109	13	239	30	304	38
133	**41**	**5**	**55**	**7**	**74**	**9**	**93**	**11**	**205**	**25**	**260**	**32**
159	37	4	49	6	65	8	80	10	179	22	226	28
193	29	4	38	5	52	6	65	8	143	18	182	23

* Estimated values in case of 6 mm PVC foil (8 kg / sqm) and 20% weight tolerance.

HDFI Standard Gearmotor Sizes (small)



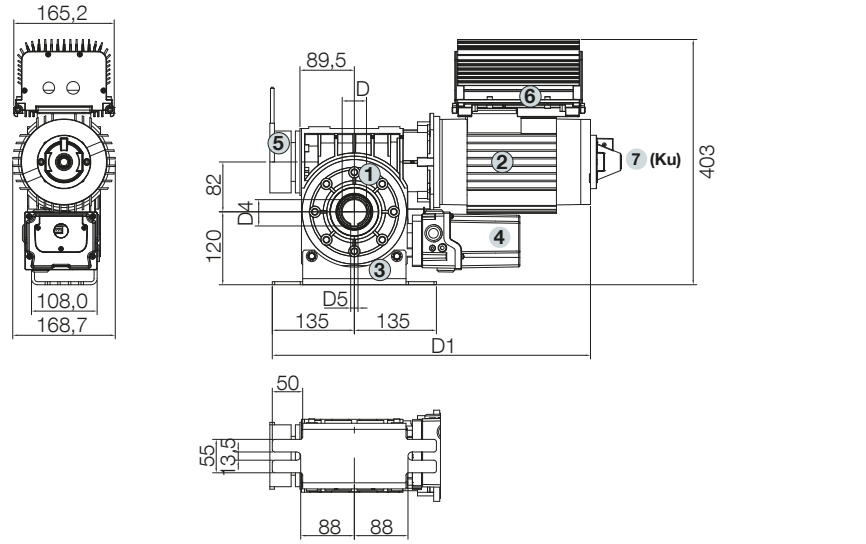
Gearmotors Parts and Dimensions

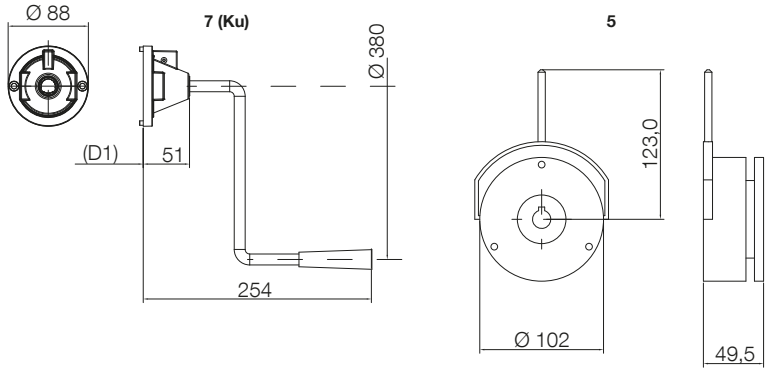
Item EL	Parts	D	D1	D4	D5
NDCM0259	1-2-3-4-5-6-7	30,00	458	33,30	8
NDCM1164	1-2-3-4-5-6-7	25,00	458	28,30	6
NDCM1162	1-2-3-4-5-6-7	30,00	458	33,30	8
NDCM1163	1-2-3-4-5-6-7	25,00	458	28,30	6
NDCM1160	1-2-3-4-5-6-7	30,00	458	33,30	8
NDCM1161	1-2-3-4-5-6-7	25,00	458	28,30	6

LEGENDA

1. Gearbox **2.** Motor **3.** Bracket **4.** Limit Switch Housing (Electronic) **5.** Inverter **6.** Crank Release **7.** Brake**.**

HDFI Standard Gearmotor Sizes (medium)





Gearmotors Parts and Dimensions

Item EL	Parts	D	D1	D4	D5
NDCM1159	1-2-3-4-5-6-7	40,00	525	43,30	12
NDCM1165	1-2-3-4-5-6-7	40,00	525	43,30	12
NDCM1158	1-2-3-4-5-6-7	40,00	525	43,30	12

LEGENDA

1. Gearbox **2.** Motor **3.** Bracket **4.** Limit Switch (Electronic) **5.** Brake **6.** Inverter **7.** Crank Release.

Nice

Automation systems for 24rpm rolling shutters

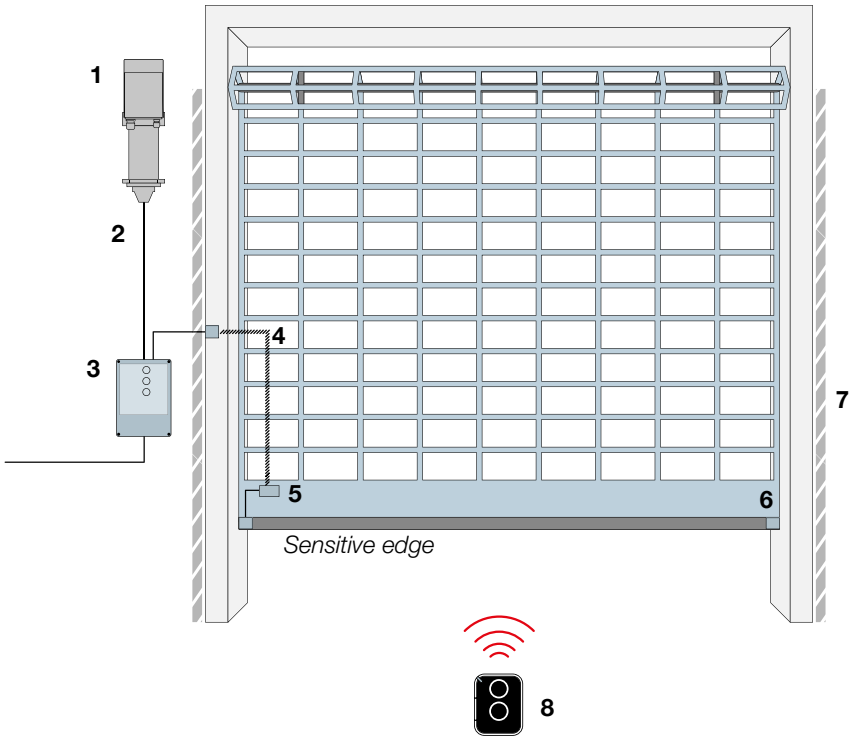
Instruction manuals

SCAN ME

Nice

Design Guidelines

Typical RDF - 24 Rolling Shutter Door Automation.



LEGENDA

1. Motor **2.** Motor - Control Unit Cable **3.** Control Unit
4. Spiral Cable **5.** Junction Box **6.** Optosensors
7. Light Barriers **8.** Transmitter

See Page 56
for Accessories (4, 5, 6, 7) →

See Page 46
for Control Unit (3) →

See Page 54
for Motor Control Unit Cables (2) →

Nice helps you in designing the best package for your door automation.

On Site Data 01

Motor Choice 02

Control Unit Choice 03

Motor Control Unit Cable Choice 04

Accessories Choice 05

Knowing the door mechanical features and sizes is the starting point to properly identify the required motor model. Resulting automation performances are therefore optimized and the after sales risk is minimized.

The control unit is the intelligent core of the system so granting the correct automation working and safety. Nice accessories may complete the system in a very professional way.

Nice can support all partners not only sharing the technical information but also with proper training both on pre-sales and after sales activities.

Nice

RDF - 24 Standard Gearmotor Models

Model	Item	Item Description	Max Door Surface *	Max Door Weight *	Max Torque	Rated Torque	Ouput Speed	Max. Cycles/Hour *	Operating Voltage	⌀ Diam.	Limit Switches	Motor Power	Rated Current	Emerg. Oper.	Brake	Anti-fallback System	Weight	IP Protec. Rate	Aver. El. Consumpt.
			sqm	kg	Nm	Nm	rpm		V	mm		kW	A				kg		Wh
RDF-250-24	NDCM0491	RDF-250-24 3_400 D40 EL20 1.1 KW KE2-5 BR IP54	16	206	250	200	24	7/23	3_400	40,00	EL20	1,1	4,6	KE2-5	●	●	24	IP54	16.2
	NDCM0492	RDF-250-24 3_400 D40 EL20 1.1 KW KU BR IP54	16	206	250	200	24	7/23	3_400	40,00	EL20	1,1	4,6	KU	●	●	24	IP54	16.2
RDF-350-24	NDCM0495	RDF-350-24 3_400 D40 EL20 1.5 KW KE2-5 BR IP54	22	289	350	280	24	7/23	3_400	40,00	EL20	1,5	4,6	KE2-5	●	●	29	IP54	22
	NDCM0496	RDF-350-24 3_400 D40 EL20 1.5 KW KU BR IP54	22	289	350	280	24	7/23	3_400	40,00	EL20	1,5	4,6	KU	●	●	29	IP54	22
RDF-500-24	NDCM0499	RDF-500-24 3_400 D40 EL20 2.2 KW KE2-5 BR IP54	32	413	500	400	24	7/23	3_400	40,00	EL20	2,2	4,6	KE2-5	●	●	32	IP54	32.3
	NDCM0500	RDF-500-24 3_400 D40 EL20 2.2 KW KU BR IP54	32	413	500	400	24	7/23	3_400	40,00	EL20	2,2	4,6	KU	●	●	32	IP54	32.3
RDF-750-24	NDCM1039	RDF-750-24 3_400 D55 EL40 2.2 KW KE2-5 BR IP54	47	612	750	600	24	6/40	3_400	55,00	EL40	2,2	7,5	KE2-5	●	●	51	IP54	32.3
	NDCM1070	RDF-750-24 3_400 D55 EL40 2.2 KW KU BR IP54	47	612	750	600	24	6/40	3_400	55,00	EL40	2,2	7,5	KU	●	●	51	IP54	32.3

***** Estimated values in case of 13 Kg / sqm door and 133 mm winding pipe diameter.

Notes for specific technical issues,
See Page 52 →

Nice

RDF - 24 Product Key Information

How to read the product name.

Item NDCM0496

Item Description

RDF-350-24 3_400 D40 EL20 1.5 KW KU BR IP54

Serie	Max Torque	Ouput Speed	Operating Voltage	∅ Diameter	Limit Switch	Motor Power	Emergency Operation	Brake	IP Protection Rate
	Nm	rpm	V	mm		kW			
RDF	250	24	3_400	40.00	EL 20	1.10	KE2-5	BR	IP 54
	350			55.00	EL 40	1.50	KU		
	500					2.20			
	750								

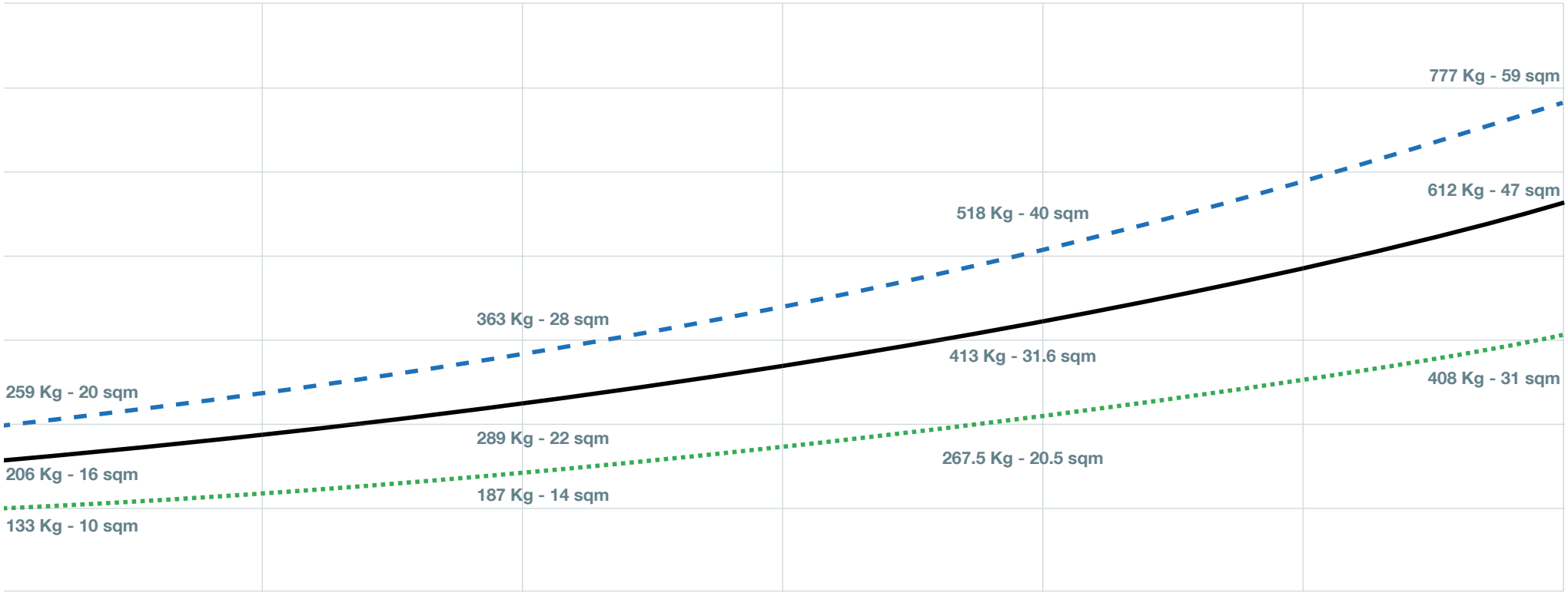
RDF - 24 Emergency Operation Options

KU
Hand Crank

KE2-5
Chain Release

Nice

RDF - 24 Standard Gearmotors and Typical Winding Diameters

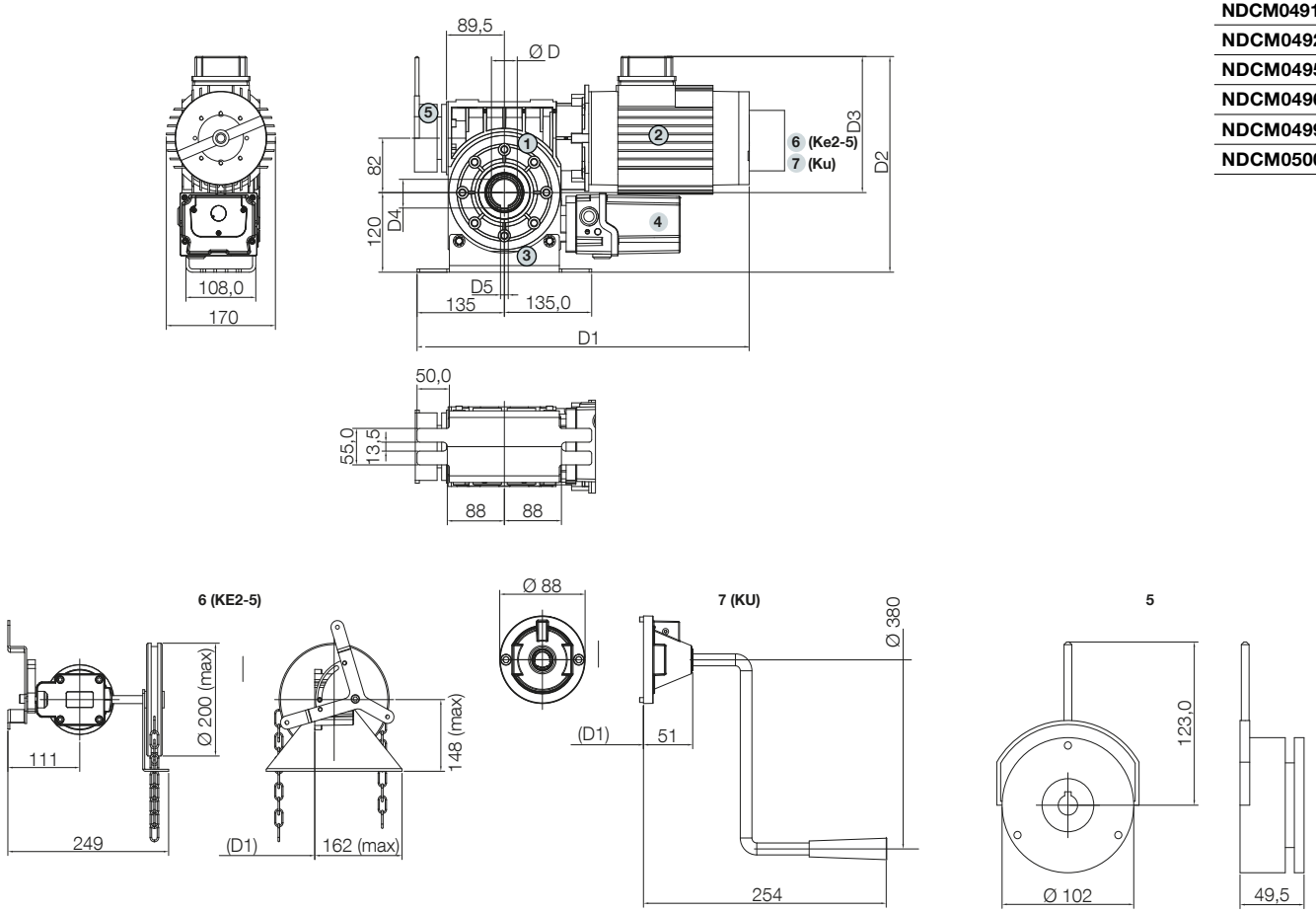


Winding Diam	RDF 250-24		RDF 350-24		RDF 500-24		RDF 750-24	
mm	Kg*	sqm*	Kg*	sqm*	Kg*	sqm*	Kg*	sqm*
101.6	259	20	363	28	518	40	777	59
114.3	236	18	331	25	473	36	700	54
133	**206**	**16**	**289**	**22**	**413**	**32**	**612**	**47**
159	177	14	248	19	354	27	544	41
193.7	149	12	210	16	299	23	445	34
219.1	133	10	187	14	268	21	408	31

* Estimated values in case of 13 kg / sqm & 25 mm thickness door, winding diameter 133 mm and 20% weight tolerance.

Nice

RDF - 24 Standard Gearmotor Sizes (medium)



Gearmotors Parts and Dimensions

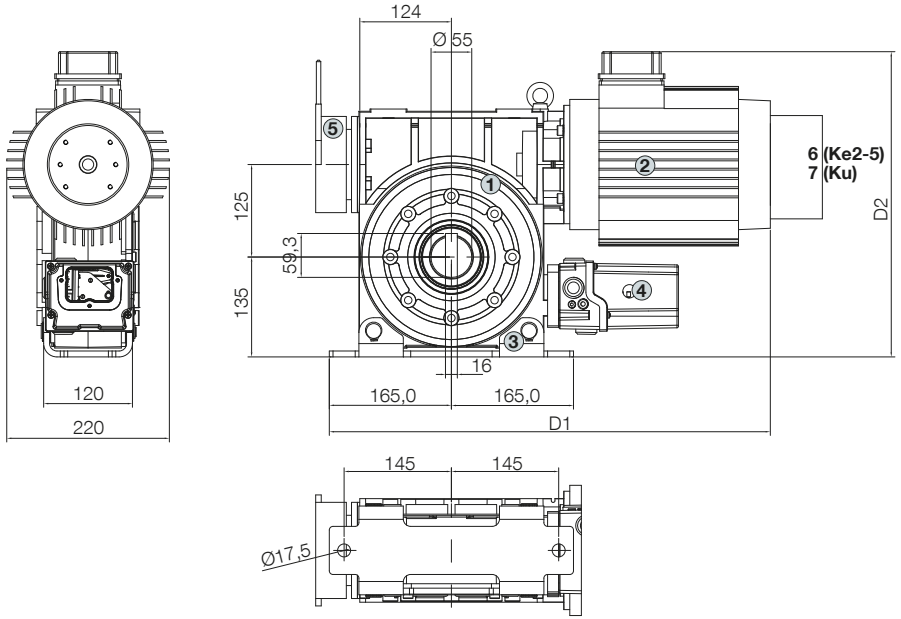
Item EL	Parts	D	D1	D2	D4	D5
NDCM0491	1-2-3-4-5-6	40,00	524	327	43,30	12
NDCM0492	1-2-3-4-5-7	40,00	524	327	43,30	12
NDCM0495	1-2-3-4-5-6	40,00	524	327	43,30	12
NDCM0496	1-2-3-4-5-7	40,00	524	327	43,30	12
NDCM0499	1-2-3-4-5-6	40,00	524	327	43,30	12
NDCM0500	1-2-3-4-5-7	40,00	524	327	43,30	12

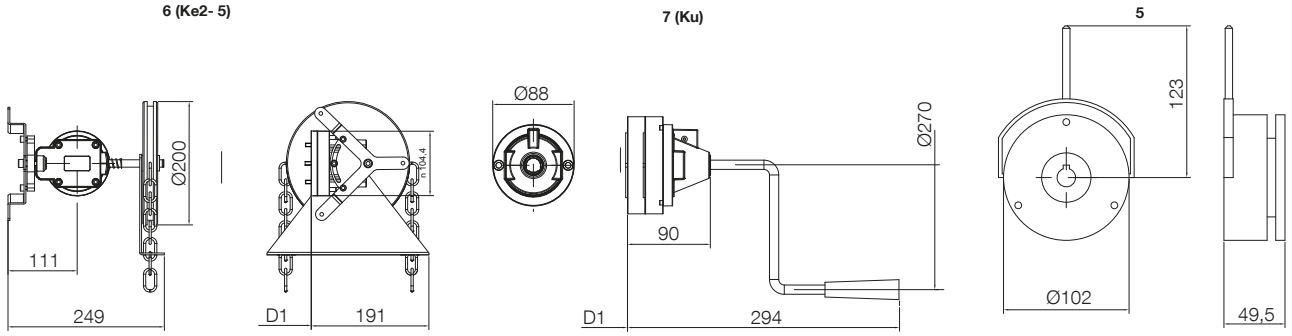
LEGENDA

1. Gearbox **2.** Motor **3.** Bracket **4.** Limit Switch Housing (electronic) **5.** Brake **6.** Chain Release **7.** Crank Release.

Nice

RDF - 24 Standard Gearmotor Sizes (large)





Gearmotors Parts and Dimensions

Item EL	Parts	D	D1	D2
NDCM1039	1-2-3-4-5-6	55,00	596	400
NDCM1070	1-2-3-4-5-7	55,00	596	400

LEGENDA

1. Gearbox **2.** Motor **3.** Bracket **4.** Limit Switch Housing (electronic) **5.** Brake **6.** Chain Release **7.** Crank Release.

Nice

Automation systems for rolling shutters

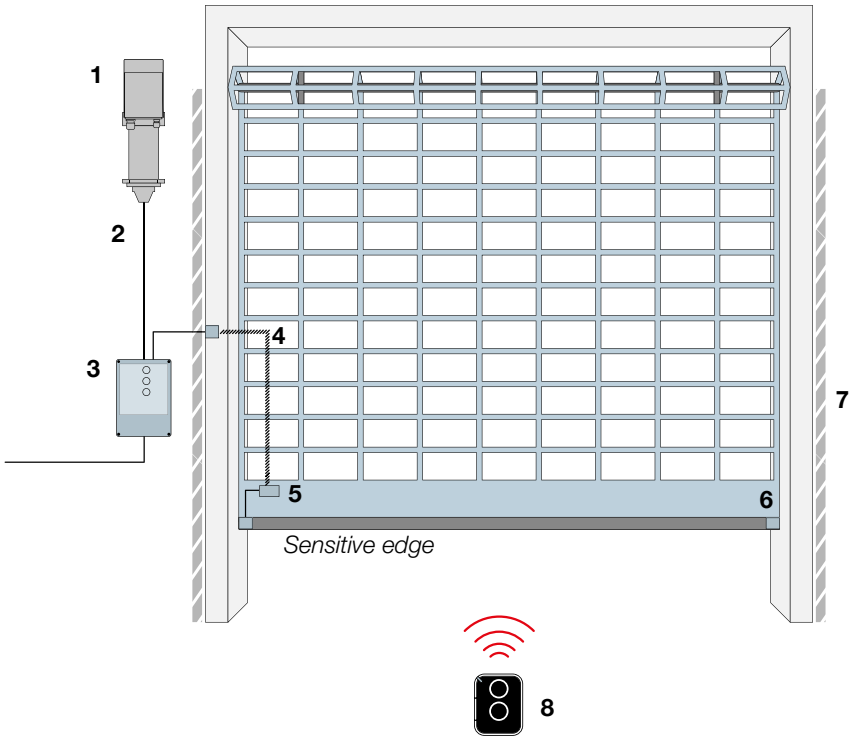
Instruction manuals

SCAN ME

Nice

Design Guidelines

Typical RDF Rolling Shutter Door Automation.



LEGENDA

1. Motor **2.** Motor - Control Unit Cable **3.** Control Unit
4. Spiral Cable **5.** Junction Box **6.** Optosensors
7. Light Barriers **8.** Transmitter

See Page 56
for Accessories (4, 5, 6, 7) →

See Page 46
for Control Unit (3) →

See Page 54
for Motor Control Unit Cables (2) →

Nice helps you in designing the best package for your door automation.

On Site Data	01	Knowing the door mechanical features and sizes is the starting point to properly identify the required motor model. Resulting automation performances are therefore optimized and the after sales risk is minimized.
Motor Choice	02	
Control Unit Choice	03	The control unit is the intelligent core of the system so granting the correct automation working and safety. Nice accessories may complete the system in a very professional way.
Motor Control Unit Cable Choice	04	
Accessories Choice	05	

Nice can support all partners not only sharing the technical information but also with proper training both on pre-sales and after sales activities.

Nice

RDF Standard Gearmotor Models (EL Version)

Model	Item	Item Description	Max Door Surface *	Max Door Weight *	Max Torque	Rated Torque	Ouput Speed	Max. Cycles/Hour *	Operating Voltage	⌀ Diam.	Limit Switches	Motor Power	Rated Current	Emerg. Oper.	Brake	Anti-fallback System	Weight	IP Protec. Rate	Aver. El. Consumpt.
			sqm	kg	Nm	Nm	rpm		V	mm		kW	A				kg		Wh
RDF-140-20	**NDCM0206**	RDF-140-20 3_400 D30 EL15 0.55KW KE2-5 IP54	9	115	140	112	20	4/10	3_400	30	EL15	0,55	2,0	KE2-5	-	●	12	IP 54	8.1
	NDCM1074	RDF-140-20 3_400 D30 EL15 0.55KW KU IP54	9	115	140	112	20	4/10	3_400	30	EL15	0,55	2,0	KU	-	●	12	IP 54	8.1
RDF-220-15	**NDCM0205**	RDF-220-15 3_400 D30 EL20 1.1KW KE2-5 IP54	14	182	220	176	15	5/17	3_400	30	EL20	1,10	3,4	KE2-5	-	●	22	IP 54	16.2
	NDCM1076	RDF-220-15 3_400 D30 EL20 1.1KW KU IP54	14	182	220	176	15	5/17	3_400	30	EL20	1,10	3,4	KU	-	●	22	IP 54	16.2
RDF-290-15	**NDCM1069**	RDF-290-15 3_400 D30 EL20 1.1KW KE2-5 IP54	18	238	290	232	15	7/23	3_400	30	EL20	1,10	3,4	KE2-5	-	●	24	IP 54	16.2
	NDCM1071	RDF-290-15 3_400 D30 EL20 1.1KW KU IP54	18	238	290	232	15	7/23	3_400	30	EL20	1,10	3,4	KU	-	●	24	IP 54	16.2
RDF-380-15	**NDCM1077**	RDF-380-15 3_400 D40 EL20 1.5KW KE2-5 IP54	24	313	380	304	15	3/10	3_400	40	EL20	1,50	4,6	KE2-5	-	●	27	IP 54	22
	NDCM1072	RDF-380-15 3_400 D40 EL20 1.5KW KU IP54	24	313	380	304	15	3/10	3_400	40	EL20	1,50	4,6	KU	-	●	27	IP 54	22
RDF-450-15	**NDCM1068**	RDF-450-15 3_400 D40 EL20 1.5KW KE2-5 IP54	28	371	450	360	15	3/10	3_400	40	EL20	1,50	4,6	KE2-5	-	●	28	IP 54	22
	NDCM1073	RDF-450-15 3_400 D40 EL20 1.5KW KU IP54	28	371	450	360	15	3/10	3_400	40	EL20	1,50	4,6	KU	-	●	28	IP 54	22
RDF-550-12	**NDCM0208**	RDF-550-12 3_400 D40 EL20 1.5KW KE2-5 IP54	35	454	550	450	12	7/23	3_400	40	EL20	1,50	4,6	KE2-5	-	●	28	IP 54	22
	NDCM1075	RDF-550-12 3_400 D40 EL20 1.5KW KU IP54	35	454	550	450	12	7/23	3_400	40	EL20	1,50	4,6	KU	-	●	28	IP 54	22
RDF-850-10	**NDCM0200**	RDF-850-10 3_400 D55 EL10 2.2KW KE2-5 IP54	54	702	850	680	10	8/13	3_400	55	EL10	2,20	7,5	KE2-5	●	●	29	IP 54	32.3
	NDCM1045	RDF-850-10 3_400 D55 EL10 2.2KW KU IP54	54	702	850	680	10	8/13	3_400	55	EL10	2,20	7,5	KU	●	●	29	IP 54	32.3

***** Estimated values in case of 13 kg / sqm & 25 mm thickness door, winding diameter 133 mm and 20% weight tolerance.

Notes for specific technical issues,
See Page 52 →

Nice

RDF Product Key Information

How to read the product name.

Item NDCM1072

Item Description

RDF-380-15 3_400 D40 EL20 1.5KW KU BR IP54

Serie	Max Torque	Ouput Speed	Operating Voltage	∅ Diameter	Limit Switch	Motor Power	Emergency Operation	Brake	IP Protection Rate
	Nm	rpm	V	mm		kW			
RDF	140	10	3_400	30.00	EL 10	0.55	KE2-5	BR	IP 54
	220	12		40.00	EL 15	1.10	KU		
	290	15		55.00	EL 20	1.50			
	380	20			ME 10	2.20			
	450				ME 15				
	550				ME 20				
	850								

RDF Emergency Operation Options

KU
Hand Crank

KE2-5
Chain Release

Nice

RDF Standard Gearmotor Models (ME Version)

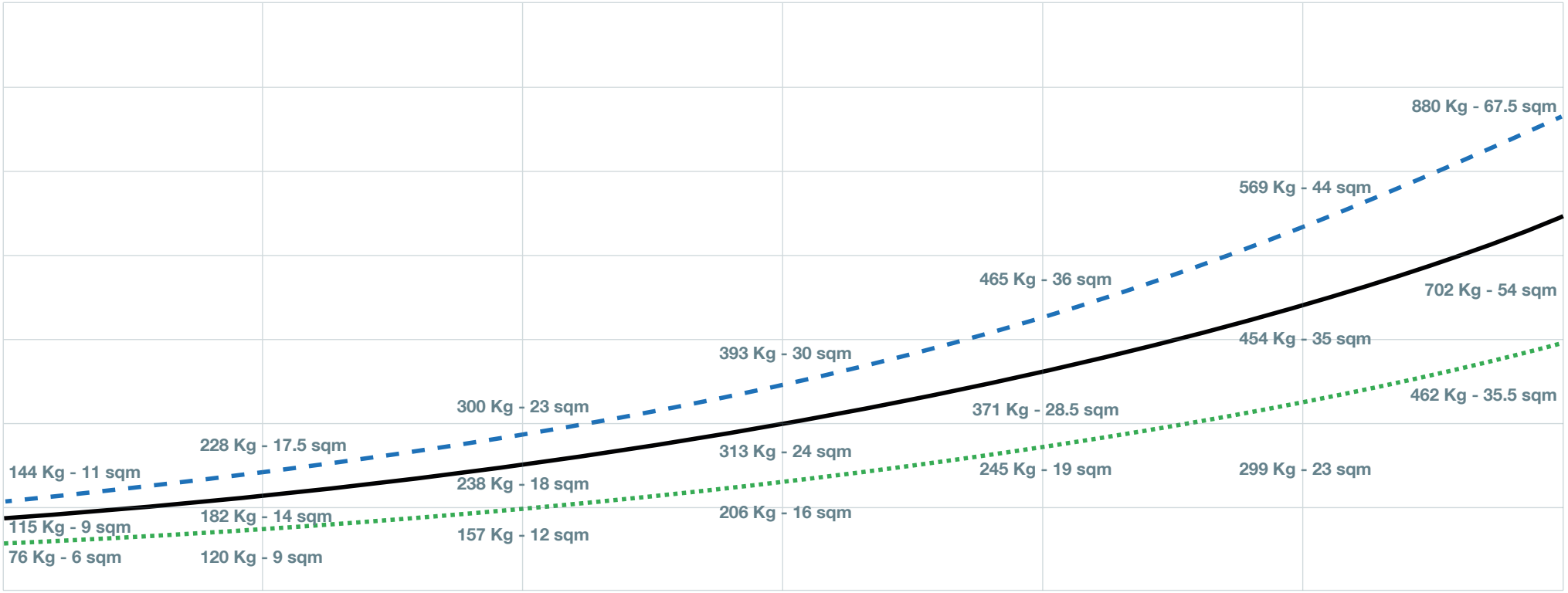
Model	Item	Item Description	Max Door Surface *	Max Door Weight *	Max Torque	Rated Torque	Ouput Speed	Max. Cycles/Hour *	Operating Voltage	Ø Diam.	Limit Switches	Motor Power	Rated Current	Emerg. Oper.	Brake	Anti-fallback System	Weight	IP Protec. Rate	Aver. El. Consumpt.	Equiv. EL-Motor
			sqm	kg	Nm	Nm	rpm		V	mm		kW	A				kg		Wh	
RDF-140-20	NDCM1078	RDF-140-20 3_400 D30 ME15 0.55KW KE2-5 IP54	9	115	140	112	20	4/10	3_400	30	ME15	0,55	2,0	KE2-5	-	●	12	IP 54	8.1	NDCM0206
	NDCM0078	RDF-140-20 3_400 D30 ME15 0.55KW KU IP54	9	115	140	112	20	4/10	3_400	30	ME15	0,55	2,0	KU	-	●	12	IP 54	8.1	NDCM1074
RDF-220-15	NDCM0306	RDF-220-15 3_400 D30 ME20 1.1KW KE2-5 IP54	14	182	220	176	15	5/17	3_400	30	ME20	1,1	3,4	KE2-5	-	●	22	IP 54	16.2	NDCM0205
	NDCM0335	RDF-220-15 3_400 D30 ME20 1.1KW KU IP54	14	182	220	176	15	5/17	3_400	30	ME20	1,1	3,4	KU	-	●	22	IP 54	16.2	NDCM1076
RDF-290-15	NDCM1054	RDF-290-15 3_400 D30 ME20 1.1KW KE2-5 IP54	18	238	290	232	15	7/23	3_400	30	ME20	1,10	3,4	KE2-5	-	●	24	IP 54	16.2	NDCM1069
	NDCM1086	RDF-290-15 3_400 D30 ME20 1.1KW KU IP54	18	238	290	232	15	7/23	3_400	30	ME20	1,10	3,4	KU	-	●	24	IP 54	16.2	NDCM1071
RDF-380-15	NDCM0107	RDF-380-15 3_400 D40 ME20 1.5KW KE2-5 IP54	24	313	380	304	15	3/10	3_400	40	ME20	1,5	4,6	KE2-5	-	●	27	IP 54	22	NDCM1077
	NDCM0129	RDF-380-15 3_400 D40 ME20 1.5KW KU IP54	24	313	380	304	15	3/10	3_400	40	ME20	1,5	4,6	KU	-	●	27	IP 54	22	NDCM1072
RDF-450-15	NDCM1053	RDF-450-15 3_400 D40 ME20 1.5KW KE2-5 IP54	28	371	450	360	15	3/10	3_400	40	ME20	1,50	4,6	KE2-5	-	●	28	IP 54	22	NDCM1068
	NDCM1087	RDF-450-15 3_400 D40 ME20 1.5KW KU IP54	28	371	450	360	15	3/10	3_400	40	ME20	1,50	4,6	KU	-	●	28	IP 54	22	NDCM1073
RDF-550-12	NDCM0039	RDF-550-12 3_400 D40 ME20 1.5KW KE2-5 IP54	35	454	550	440	12	7/23	3_400	40	ME20	1,50	4,6	KE2-5	-	●	28	IP 54	22	NDCM0208
	NDCM0005	RDF-550-12 3_400 D40 ME20 1.5KW KU IP54	35	454	550	440	12	7/23	3_400	40	ME20	1,50	4,6	KU	-	●	28	IP 54	22	NDCM1075
RDF-850-10	NDCM1048	RDF-850-10 3_400 D55 ME10 2.2KW KE2-5 BR IP54	54	702	850	680	10	8/13	3_400	55	ME10	2,2	7,5	KE2-5	●	●	29	IP 54	32.3	NDCM0200
	NDCM1049	RDF-850-10 3_400 D55 ME10 2.2KW KU BR IP54	54	702	850	680	10	8/13	3_400	55	ME10	2,2	7,5	KU	●	●	29	IP 54	32.3	NDCM1045

***** Estimated values in case of 13 kg / sqm & 25 mm thickness door, winding diameter 133 mm and 20% weight tolerance.

Notes for specific technical issues,
See Page 52 →

Nice

RDF Standard Gearmotor Models and Typical Door Winding Diameters

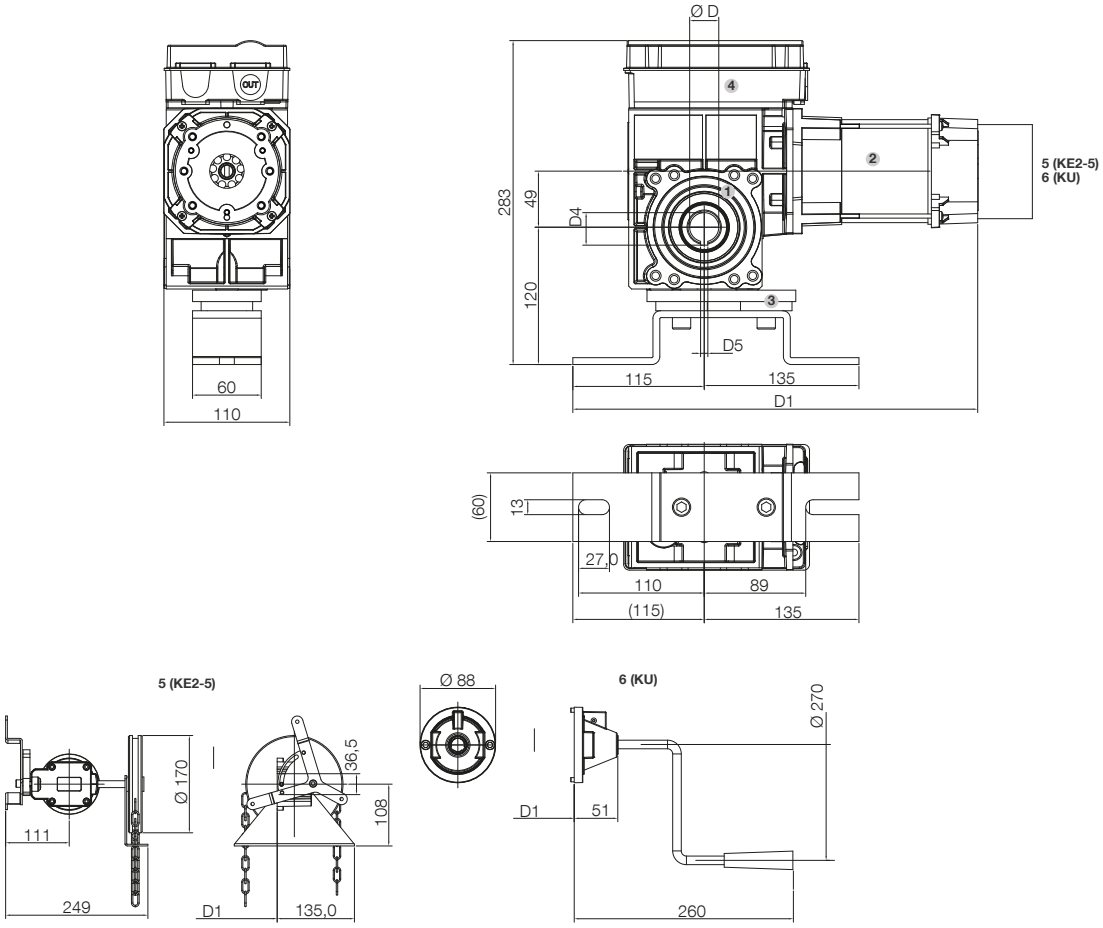


Winding Diam	RDF 140-20		RDF 220-15		RDF 290-15		RDF 380-15		RDF 450-15		RDF 550-12		RDF 850-10	
mm	Kg*	sqm*	Kg*	sqm*	Kg*	sqm*	Kg*	sqm*	Kg*	sqm*	Kg*	sqm*	Kg*	sqm*
101.6	**144**	**11**	**228**	**18**	**300**	**23**	**393**	**30**	**465**	**36**	**569**	**44**	**880**	**68**
114.3	131	10	208	16	274	21	360	28	426	33	520	40	804	62
133	**115**	**9**	**182**	**14**	**238**	**18**	**313**	**24**	**371**	**29**	**454**	**35**	**702**	**54**
159	99	8	156	12	206	16	270	21	320	25	390	30	603	47
193.7	90	7	143	11	189	15	248	19	293	23	359	28	555	43
219.10	**76**	**6**	**120**	**9**	**157**	**12**	**206**	**16**	**245**	**19**	**299**	**23**	**462**	**36**

* Estimated values in case of 13 kg / sqm & 25 mm thickness door, winding diameter 133 mm and 20% weight tolerance.

Nice

RDF Standard Gearmotor Sizes (small)



Gearmotors Parts and Dimensions

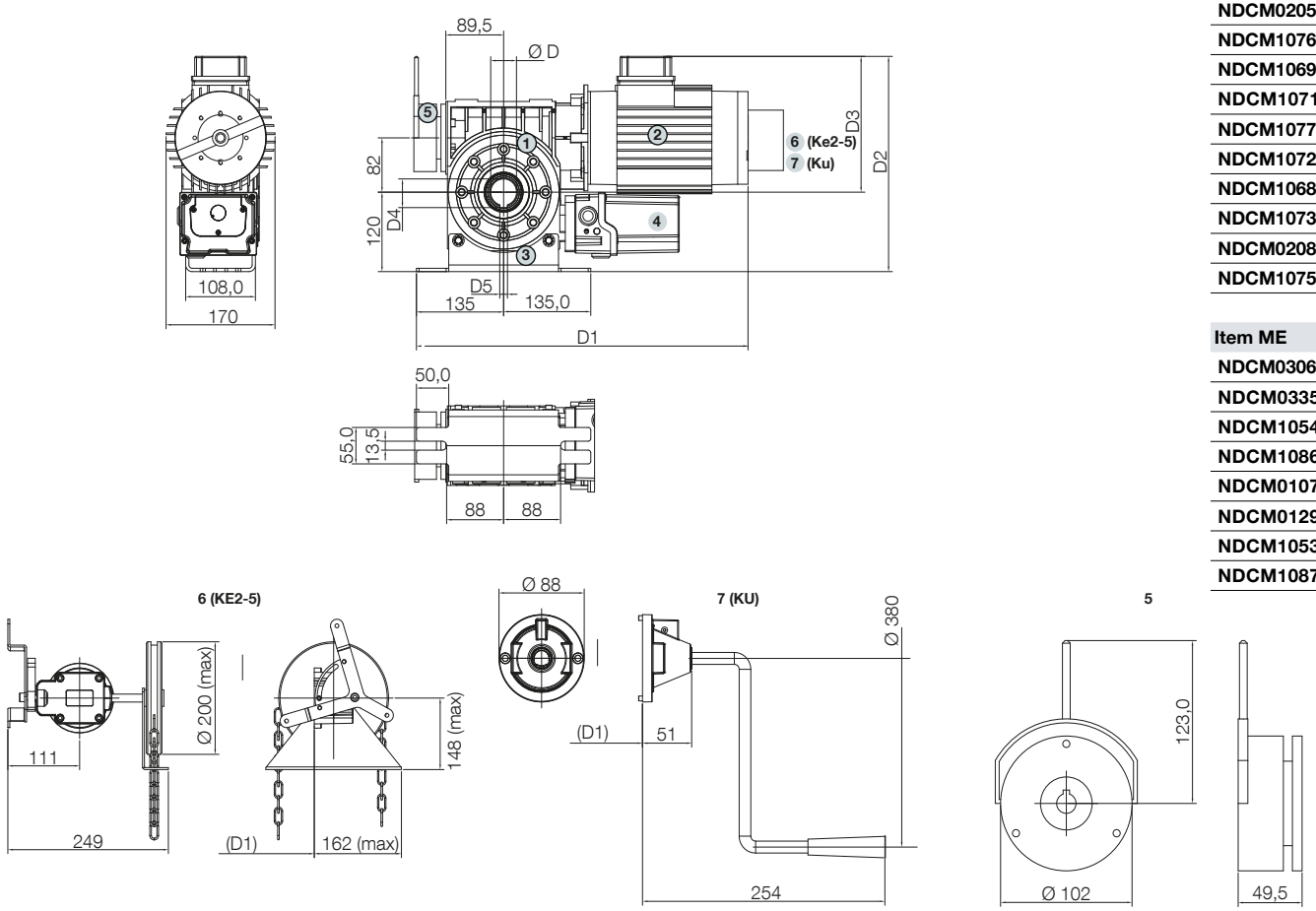
Item EL	Parts	D	D1	D4	D5
NDCM0206	1-2-3-4-5	30	356	33.3	8
NDCM1074	1-2-3-4-6	30	356	33.3	8
NDCM0078	1-2-3-4-6	30	356	33.3	8
NDCM1078	1-2-3-4-5	30	356	33.3	8

LEGENDA

1. Gearbox **2.** Motor **3.** Bracket **4.** Limit Switch Housing (electronic or mechanical) **5.** Crank Release **6.** Chain Release.

Nice

RDF Standard Gearmotor Sizes (medium)



Gearmotors Parts and Dimensions

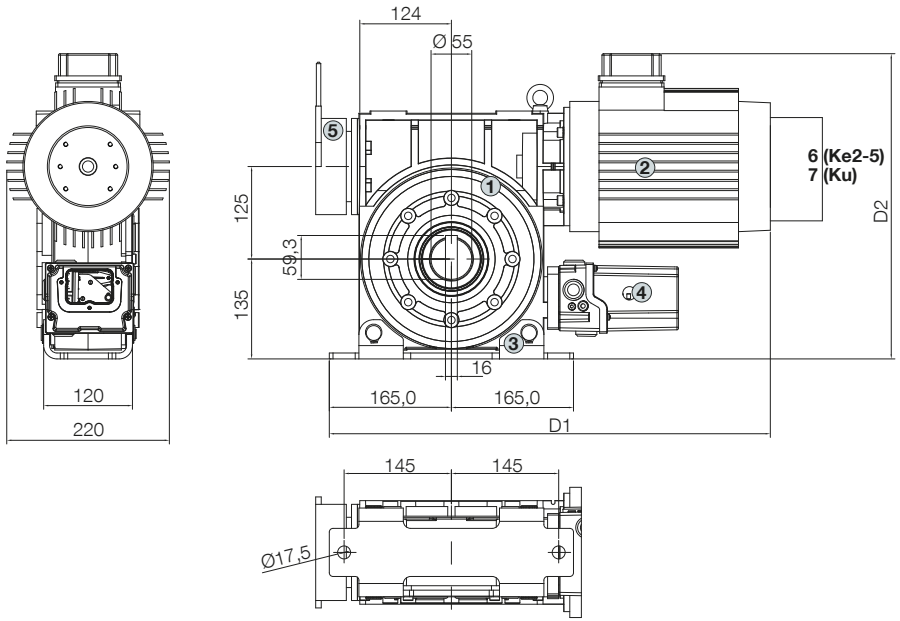
Item EL	Parts	D	D1	D2	D4	D5
NDCM0205	1-2-3-4-6	30,00	524	327	33,30	8
NDCM1076	1-2-3-4-7	30,00	524	327	33,30	8
NDCM1069	1-2-3-4-7	30,00	524	327	33,30	8
NDCM1071	1-2-3-4-7	30,00	524	327	33,30	8
NDCM1077	1-2-3-4-6	40,00	524	327	43,30	12
NDCM1072	1-2-3-4-7	40,00	524	327	43,30	12
NDCM1068	1-2-3-4-6	40,00	524	327	43,30	12
NDCM1073	1-2-3-4-7	40,00	524	327	43,30	12
NDCM0208	1-2-3-4-6	40,00	524	327	43,30	12
NDCM1075	1-2-3-4-7	40,00	524	327	43,30	12

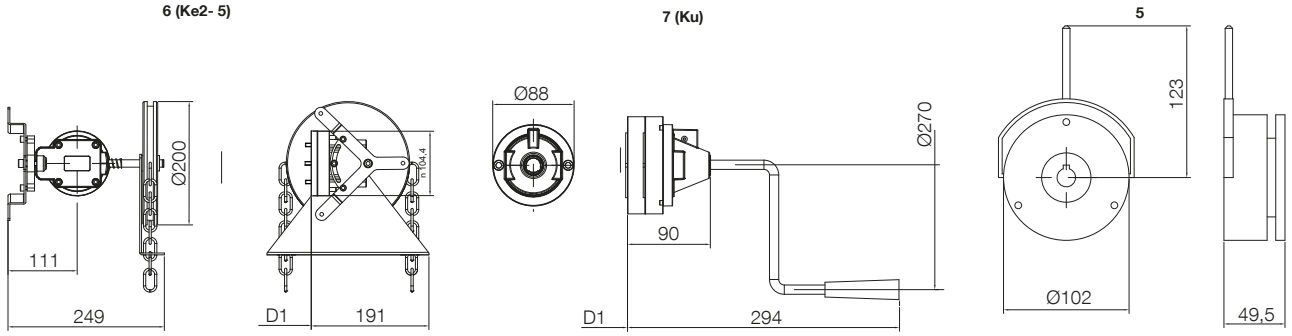
Item ME	Parts	D	D1	D2	D4	D5	Equiv. EL Motor
NDCM0306	1-2-3-4-6	30,00	524	327	33,30	8	**NDCM0205**
NDCM0335	1-2-3-4-7	30,00	524	327	33,30	8	**NDCM1076**
NDCM1054	1-2-3-4-6	30,00	524	327	33,30	8	**NDCM1069**
NDCM1086	1-2-3-4-7	30,00	524	327	33,30	8	**NDCM1071**
NDCM0107	1-2-3-4-6	40,00	524	327	43,30	12	**NDCM1077**
NDCM0129	1-2-3-4-7	40,00	524	327	43,30	12	**NDCM1072**
NDCM1053	1-2-3-4-6	40,00	524	327	43,30	12	**NDCM1068**
NDCM1087	1-2-3-4-7	40,00	524	327	43,30	12	**NDCM1073**

LEGENDA

1. Gearbox **2.** Motor **3.** Bracket **4.** Limit Switch Housing (electronic or mechanical) **5.** Brake **6.** Chain Release **7.** Crank Release.

RDF Standard Gearmotor Sizes (large)





Gearmotors Parts and Dimensions

Item EL	Parts	D	D1	D2
NDCM0200	1-2-3-4-5-6	55,00	596	400
NDCM1045	1-2-3-4-5-7	55,00	596	400

Item ME	Parts	D	D1	D2	Equiv. EL Motor
NDCM1048	1-2-3-4-5-6	55,00	596	400	**NDCM0200**
NDCM1049	1-2-3-4-5-7	55,00	596	400	**NDCM1045**

LEGENDA

1. Gearbox **2.** Motor **3.** Bracket **4.** Limit Switch Housing (electronic or mechanical) **5.** Brake **6.** Chain Release **7.** Crank Release.

Nice

Control Units for Industrial Door Automation Systems

Standard Control Units Main Features

Model	Item	Item Description	Operating Voltage	Inverter	Brake	Power	Avail. Buttons	Main Switch	Emerg. Button	Conn. Cable	IP Protec. Rate
			Volts			kW					
D-PRO Action	**NDCC2000**	D-PRO ACT 3_400 2.2 KW 3DT CEE IP65	3_400	-	-	2,2	3DT	-	-	CEE	65
	NDCC2001	D-PRO ACT 3_400 2.2 KW 3DT EMERG CEE IP65	3_400	-	-	2,2	3DT	-	●	CEE	65
	NDCC2002	D-PRO ACT 3_400 2.2 KW 3DT SWT CEE IP65	3_400	-	-	2,2	3DT	●	-	CEE	65
	NDCC2100	D-PRO ACT 3_400 BR 2.2 KW 3DT CEE IP65	3_400	-	●	2,2	3DT	-	-	CEE	65
	NDCC2200	D-PRO ACT 1N_230 BR 2.2 KW 3DT SCH IP65	1N_230	-	●	2,2	3DT	-	-	Schuko	65
	NDCC2202	D-PRO ACT 1N_230 BR 2.2 KW 3DT SWT SCH IP65	1N_230	-	●	2,2	3DT	●	-	Schuko	65
DPRO Automatic	**NDCC1000**	D-PRO AUT 3_400 BR 2.2 KW 3DT CEE IP65	3_400	-	●	2,2	3DT	-	-	CEE	65
	NDCC1001	D-PRO AUT 3_400 BR 2.2 KW 3DT EMERG CEE IP65	3_400	-	●	2,2	3DT	-	●	CEE	65
	NDCC1002	D-PRO AUT 3_400 BR 2.2 KW 3DT SWT CEE IP65	3_400	-	●	2,2	3DT	●	-	CEE	65
	NDCC1100	D-PRO AUT 1N_230 INV BR 2.2 KW 3DT SCH IP65	1N_230	●	●	2,2	3DT	-	-	Schuko	65
	NDCC1101	D-PRO AUT 1N_230 INV BR 2.2 KW 3DT EMERG SCH IP65	1N_230	●	●	2,2	3DT	-	●	Schuko	65
	NDCC1200	D-PRO AUT 1N_230 BR 2.2 KW 3DT SCH IP65	1N_230	-	●	2,2	3DT	-	-	Schuko	65
	NDCC1201	D-PRO AUT 1N_230 BR 2.2 KW 3DT EMERG SCH IP65	1N_230	-	●	2,2	3DT	-	●	Schuko	65
	NDCC1202	D-PRO AUT 1N_230 BR 2.2 KW 3DT SWT SCH IP65	1N_230	-	●	2,2	3DT	●	-	Schuko	65
UDL1 Dock Leveller Control	**NICC3A215B**	UDL1 3_400 1DT SWT IP65	3_400	-	-	2,2	1DT	●	-	CEE	65
Combi-Control	**NICC5A995B**	CMB_AUT 3_400 BR 3DT 1DT SWT IP65	3_400	-	●	2,2	4DT	●	-	CEE	65

Nice

D-Pro Action

Control units for motors with mechanical or electronic limit switch.

Practical door operation with Up - Stop - Down buttons on the box cover

Main features:

- Automatic mode or deadman operation.
- Can be used with all Nice gearmotors single phase without inverter and three phase with a max. motor power: 2,2kW.
- Simple programming with 2 diagnosis leds.
- Compatible with all kinds of safety bars, even remote systems without cable.
- Possibillity to connect a light curtain.
- IP65 housing.
- Integrated Socket for the Nice plug-in receiver OXIBD.
- Cycle counter.
- Available with brake circuit control.
- Available with boost capacitor circuit control.

Possible customizations:

- Personalized front label.
- HQ main switch.
- Emergency stop mushroom.
- Key switch selector.

ADDITIONAL MODULE

NDA040

For optional potential free outputs.

RECEIVER AND TRANSMITTER

OXIBD

ERA ONE

TECHNICAL SPECIFICATIONS

Technical data	
Suitable for EL and ME Limit Switches	•
Operating Voltage (V AC)	3_400
Operating Frequency (Hz)	50
Operating Control Voltage (V DC)	24
Output Supply	24 Vdc max 0.1A
Output Valves	-
Operating Temperature (°C)	-20 / +50
Max Motor Power / Door (kW)	2,2
Weight (kg)	2,5
Stand by Power	< 5W
Housing	
4 Digits Display	-
Dimensions (H x W x D - mm)	310 x 210 x 125
IP Protection Rate	IP65
Diagnostics Led	•
Left or Right lid opening	•
Buttons Available	3DT
Integrated Socket for OXIBD	•
Power Supply Cable (CA00247A00)	•
Main Functions (D)	
Automatic or deadman operation	•
Programmable pre-limit input	•
Compatible with safety devices	•
Fire Protection Function	-
Programming protection via PIN	-
Working Hours counter	-
Partial Door Opening / Closing	-
Adjustable Service Intervals (on display)	-
Cycle Counter	•
Main Functions (R)	
Sensor Connection for Dock Lev. Lock.	-
Stop Input	•
Additional Functions	
I / O Optional Expansion	NDA040

Instruction manuals

SCAN ME

Nice

D-Pro Automatic

Advanced control units for motors with mechanical or electronic limit switch.

Practical door operation with Up - Stop - Down buttons on the box cover

Main features:

- Suitable for almost all industrial motors with 2.2 kW max power (single phase and three-phase).
- Compatible with integrated or external frequency converter for accurate acceleration and speed control.
- Easy programming and diagnostic systems.
- Compatible with all kinds of control and safety systems.
- Compatible with OXIBD Nice remote control.
- IP65 Housing.

Possible customizations:

- Personalized front label.
- HQ main switch.
- Emergency stop mushroom.
- Key switch selector.

ADDITIONAL MODULE

NDA030

For a two-way traffic light and extra programmable inputs/outputs

RECEIVER AND TRANSMITTER

OXIBD

ERA ONE

TECHNICAL SPECIFICATIONS

Technical data	
Suitable for EL and ME Limit Switches	•
Operating Voltage (V AC)	3_400
Operating Frequency (Hz)	50
Operating Control Voltage (V DC)	24
Output Supply	24 Vdc max 0.6A
Output Valves	-
Operating Temperature (°C)	-20 / +50
Max Motor Power / Door (kW)	2,2
Weight (kg)	3,5
Stand by Power	< 4W
Housing	
4 Digits Display	•
Dimensions (H x W x D - mm)	310 x 210 x 125
IP Protection Rate	IP65
Diagnostics Led	•
Left or Right lid opening	•
Buttons Available	3DT
Integrated Socket for OXIBD	-
Power Supply Cable (CA00247A00)	•
Main Functions (D)	
Automatic or deadman operation	•
Programmable pre-limit input	•
Compatible with safety devices	•
Fire Protection Function	•
Programming protection via PIN	•
Working Hours counter	•
Partial Door Opening / Closing	•
Adjustable Service Intervals (on display)	•
Cycle Counter	•
Main Functions (R)	
Sensor Connection for Dock Lev. Lock.	-
Stop Input	•
Additional Functions	
I / O Optional Expansion	NDA030

Instruction manuals

SCAN ME

Nice

UDL1

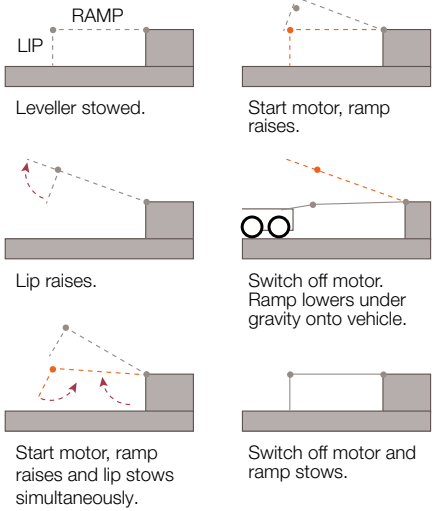
Control units for single valve hinged lip loading ramps.

Main features:

- High quality main power switch.
- Integrated phase control.
- Connection for ramp locking sensor.
- Cee Standard Plug.
- IP65 housing.

Possible customizations:

- Personalized front labels.
- Emergency stop mushroom.
- Connection for ramp locking sensor.
- Key switch selector.



TECHNICAL SPECIFICATIONS

Code	NICC3A215B
Technical data	
Suitable for EL and ME Limit Switches	-
Operating Voltage (V AC)	3_400
Operating Frequency (Hz)	50
Operating Control Voltage (V DC)	24
Output Supply	-
Output Valves	1 x 24Vdc max 1A
Operating Temperature (°C)	-20 / +50
Max Motor Power / Door (kW)	2
Weight (kg)	2,35
Stand by Power	< 5W
Housing	
4 Digits Display	-
Dimensions (H x W x D - mm)	310 x 210 x 125
IP Protection Rate	IP65
Diagnostics Led	•
Left or Right lid opening	•
Buttons Available	1DT
Integrated Socket for OXIBD	-
Power Supply Cable (CA00247A00)	•
Main Functions (D)	
Automatic or deadman operation	-
Programmable pre-limit input	-
Compatible with safety devices	-
Fire Protection Function	-
Programming protection via PIN	-
Working Hours counter	-
Partial Door Opening / Closing	-
Adjustable Service Intervals (on display)	-
Cycle Counter	-
Main Functions (R)	
Sensor Connection for Dock Lev. Lock.	•
Stop Input	-

Instruction manuals

SCAN ME

Nice

Combi Control

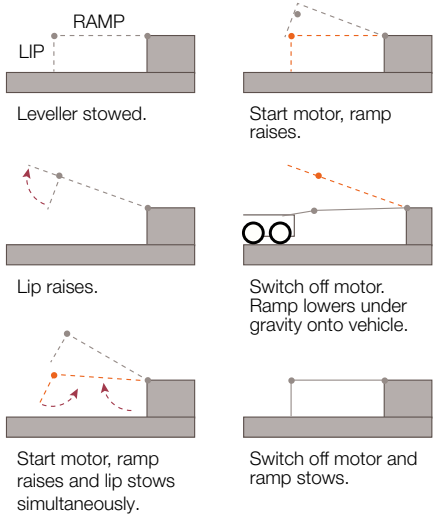
Double control for doors and loading ramps.

Main features:

- High quality main power switch.
- Door and Ramp Control with integrated bidirectional interlock.
- DPRO parameters and functions easily programmable.
- Compatible with all safety edges.
- Connection for ramp locking sensor.
- Cee Standard Plug.
- IP65 housing.

Possible customizations:

- Personalized front labels
- Emergency stop mushroom
- Key switch selector.



ADDITIONAL MODULE

NDA030

For a two-way traffic light and extra programmable inputs/outputs

RECEIVER AND TRANSMITTER

OXIBD

ERA ONE

TECHNICAL SPECIFICATIONS

	Combi Control	
	Door	Ramp
Code	**NICC5A995B**	
Technical data		
Suitable for EL and ME Limit Switches	•	-
Operating Voltage (V AC)	3_400	3_400
Operating Frequency (Hz)	50	50
Operating Control Voltage (V DC)	24	24
Output Supply	24 Vdc max 0.6A	-
Output Valves	-	1 x 24Vdc 1 A max
Operating Temperature (°C)	-20 / +50	-20 / +50
Max Motor Power / Door (kW)	2,2	2
Weight (kg)	3,5	2,35
Stand by Power	< 4W	< 5W
Housing		
4 Digits Display	•	-
Dimensions (H x W x D - mm)	310 x 210 x 125	310 x 210 x 125
IP Protection Rate	IP65	IP65
Diagnostics Led	-	•
Left or Right lid opening	•	•
Buttons Available	3DT	1DT
Integrated Socket for OXIBD	-	-
Power Supply Cable (CA00247A00)	•	•
Main Functions (D)		
Automatic or deadman operation	•	-
Programmable pre-limit input	•	-
Compatible with safety devices	•	-
Fire Protection Function	•	-
Programming protection via PIN	•	-
Working Hours counter	•	-
Partial Door Opening / Closing	•	-
Adjustable Service Intervals (on display)	•	-
Cycle Counter	•	-
Main Functions (R)		
Sensor Connection for Dock Lev. Lock.	-	•
Stop Input	•	-
Additional Functions		
I / O Optional Expansion	NDA030	-

Instruction manuals

SCAN ME

Nice

Additional Technical Information

The maximum number of cycles per hour is referred to the maximum run according to the limit switches settings. When using smaller run, this number can increase accordingly. According to the safety rules this value cannot be exceed.

The second value is the one according to EN 60335-2-103.

"N_max" value is referred to the peak value and cannot be used in the standard working cycle.When working in very cold conditions (under 0 C) the max torque value may reduce accordingly.

Depending on the application, **absorbed current** can increase (even to 4 times the Rated Current value) in the startup sequence. Please make sure the line can supply required power.

Gearmotor breaking performances do depend also from the working temperature. Higher working temperature may reduce the breaking results.

"N_m"N_max" value is referred to the standard frequence settings (50 Hz). When increasing such working frequence, the maximum torque N will be reduced accordingly.

IP protection rate is granted only if the application and the installation are properly done.

Emergency opening sequence can be activated directly from the gearmotor. In such case the gearmotor is no longer connected to the door that therefore may be free to fall down.

Any service and / or modification on the products can be done only by authorised and expert personnel.

Gearmotors equipped with safety brake (parachute) do follow the DIN EN 12604 / 12605 norms. When using gearmotors not equipped with parachute, the application must follow all safety rules.

All information does refer to the **standalone gearmotor** whose real performances will depend from the complete application. Technical data and limitations must not be exceed for any reason.

Standard working temperature for all gearmotors is -5 / +40 C.

Nice

Kits, Cables and Accessories

Nice

Typical Basic Kits

MOTOR		>	CONTROL UNIT		>	CABLE	
Item	**Item Description**		**Item**	**Item Description**		**Item**	**Item Description**
NDCM0199	SD-100-24 3_400 D25.4 EL15 0.37KW KE-5 IP54		**NDCC1000**	D-PRO AUT 3_400 BR 2.2 KW 3DT CEE IP65		**CA0175A00**	MOT_CTRL_CABLE_7_EL_S_UNSH
NDCMT003	SD-70-20 1N_230 D25.4 EL15 0.37KW KU IP54		**NDCC2200**	D-PRO ACT 1N_230 BR 2.2 KW 3DT SCH IP65		**CA0174A00**	MOT_CTRL_CABLE_5_EL_S_UNSH
NDCM0051	SD-140-20 3_400 D31.75 EL15 0.55KW KE-5 IP54		**NDCC1000**	D-PRO AUT 3_400 BR 2.2 KW 3DT CEE IP65		**CA0176A00**	MOT_CTRL_CABLE_11_EL_S_UNSH
NDCM1162	HDFI-60-130 1N_230 D30 EL15 1.1KW KU BR INV IP54		**NDCC1100**	D-PRO AUT 1N_230 INV BR 2.2 KW 3DT SCH IP65		(included)	INV_CTRL_CABLE_7_EL_SML_UNSH
NDCM1164	HDFI-45-95 1N_230 D25 EL15 0.9KW KU BR INV IP54		**NDCC1100**	D-PRO AUT 1N_230 INV BR 2.2 KW 3DT SCH IP65		(included)	INV_CTRL_CABLE_7_EL_SML_UNSH
NDCM1165	HDFI-220-60 1N_230 D40 EL20 2.2KW KU BR INV IP54		**NDCC1100**	D-PRO AUT 1N_230 INV BR 2.2 KW 3DT SCH IP65		(included)	INV_CTRL_CABLE_7_EL_SML_UNSH
NDCM0499	RDF-500-24 3_400 D40 EL20 2.2 KW KE2-5 BR IP54		**NDCC1000**	D-PRO AUT 3_400 BR 2.2 KW 3DT CEE IP65		**CA0178A00**	MOT_CTRL_CABLE_7_EL_ML_UNSH
NDCM1071	RDF-290-15 3_400 D30 EL20 1.1KW KU IP54		**NDCC1000**	D-PRO AUT 3_400 BR 2.2 KW 3DT CEE IP65		**CA0177A00**	MOT_CTRL_CABLE_5_EL_ML_UNSH
NDCM0200	RDF-850-10 3_400 D55 EL10 2.2KW KE2-5 BR IP54		**NDCC1000**	D-PRO AUT 3_400 BR 2.2 KW 3DT CEE IP65		**CA0179A00**	MOT_CTRL_CABLE_11_EL_ML_UNSH

Standard Motor - Control Unit Cables

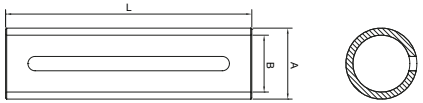
Cables for Electronic and Mechanical Limit Switch Motors

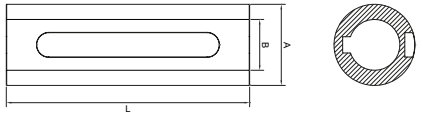
		Limit Switches	Gearmotor Size			Cable Length		
Item	**Item Description**	**Switches**	**Small**	**Medium**	**Large**	**5m**	**7m**	**11m**
CA0174A00	MOT_CTRL_CABLE_5_EL_S_UNSH	EL	•			•		
CA0174B00	MOT_CTRL_CABLE_5_EL_S_UNSH	EL	•			•		
CA0175A00	MOT_CTRL_CABLE_7_EL_S_UNSH	EL	•				•	
CA0176A00	MOT_CTRL_CABLE_11_EL_S_UNSH	EL	•					•
CA0177A00	MOT_CTRL_CABLE_5_EL_ML_UNSH	EL		•	•	•		
CA0157A00	MOT_CTRL_CABLE_5_ME_SML_UNSH	ME	•	•	•	•		
CA0158A00	MOT_CTRL_CABLE_7_ME_SML_UNSH	ME	•	•	•		•	
CA0159A00	MOT_CTRL_CABLE_11_ME_SML_UNSH	ME	•	•	•			•
CA0175B00	MOT_CTRL_CABLE_7_ME_S_UNSH	ME	•				•	
CA0176B00	MOT_CTRL_CABLE_11_ME_S_UNSH	ME	•					•
CA0177B00	MOT_CTRL_CABLE_5_ME_ML_UNSH	ME		•	•	•		
CA0178A00	MOT_CTRL_CABLE_7_EL_ML_UNSH	ME		•	•		•	
CA0178B00	MOT_CTRL_CABLE_7_ME_ML_UNSH	ME		•	•		•	
CA0179A00	MOT_CTRL_CABLE_11_EL_ML_UNSH	ME		•	•			•
CA0179B00	MOT_CTRL_CABLE_11_ME_ML_UNSH	ME		•	•			•

Mechanical Accessories

Shaft Adapters

Item	Item Description	Gearmotor Size (mm)	Shaft Size (mm)	A	B	L
NDA500	SHAFT_ADAPT_MOT_31.75_SH_25.40	31,75	25,40	31,70	25,40	110,00
NDA501	SHAFT_ADAPT_MOT_40.00_SH_25.40	40,00	25,40	40,00	25,40	120,00
NDA502	SHAFT_ADAPT_MOT_40.00_SH_30.00	40,00	30,00	40,00	30,00	120,00
NDA503	SHAFT_ADAPT_MOT_40.00_SH_31.75	40,00	31,75	40,00	31,75	120,00
NDA504	SHAFT_ADAPT_MOT_55.00_SH_40.00	55,00	40,00	55,00	40,00	140,00
NDA505	SHAFT_ADAPT_MOT_30.00_SH_25.40	30,00	25,40	30,00	25,40	120,00
NDA506	SHAFT_ADAPT_MOT_30.00_SH_25.00	30,00	25,00	30,00	25,00	110,00
NDA507	SHAFT_ADAPT_MOT_40.00_SH_25.00	40,00	25,00	40,00	25,00	120,00





(NDA501 and NDA507 only)

Chain Extension

Item	Description
900029000050	Additional chain, 5 m length
100031010001	Link for additional chain

NB: other mechanical accessories on demand

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Safety and Control Accessories

Door Safety

920811000010
Slack Rope Cylindrical Switch Rope Brake against cable breaks.

Pneumatic Sensor

NDA010
Junction box with pneumatic switch.

Opto-Sensors

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

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

Spiral Cable

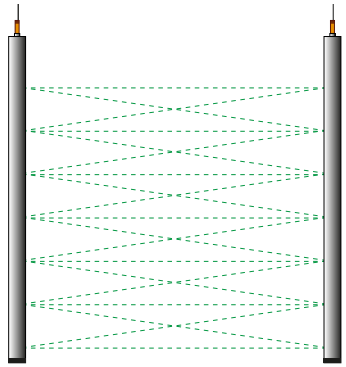
CA0454A00
Spiralcable 5 x 0,5 qmm, 0,8 m spiraled / 1,6 m stretched.

CA0455A00
Spiralcable 5 x 0,5 qmm, 0,8 m spiraled / 3 m stretched.

CA0456A00
Spiralcable 5 x 0,5 qmm, 0,8 m spiraled / 5m stretched.

Light Barriers

Code	Description
TCLS	Light Barrier (2500 mm)
TCLS1	Light Barrier (2000 mm)
TCLSFSS230	FSS controler for Light Curtain 230 Vac
TCLSFSS24	FSS controler for Light Curtain 24 Vdc

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