

UniLift System

The new generation of sectional door automation systems

UNIVERSAL · MODULAR · STRONG

BROCHURE · ENGLISH · WITHOUT PRICES

UNILIFT SYSTEM

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UNILIFT SYSTEM

INTRODUCTION

New patented lifting system for industrial sectional doors without counterbalance springs

UniLift represents the **new generation** of sectional door automation systems.

This **universal, modular** solution uses **high-speed brushless tubular motors**, eliminating traditional external gearboxes, springs and pulleys. Its **simple yet robust design** significantly reduces the footprint, mechanical complexity and operating costs.

By removing counterbalance springs and lifting cables, it **greatly lowers** the Total Cost of Ownership (**TCO**) by reducing the need for regular servicing and annual maintenance.

UniLift stands out for its **exceptional compactness** and **optimized performance**, adopting an approach that is **fully aligned** with industrial standards.

This technology is protected by two patents and a utility model.

Main advantages

TECHNOLOGY & CIRCULAR DESIGN

■ ESG compliance & eco-design

Universal system: transmission shaft based solely on door weight, width adjustment up to 50 cm → simplified design without specific calculations.

Modularity: standardized construction with shaft profile ready for accessories → direct installation without mechanical processing.

OPERATIONAL ADVANTAGES

■ “Plug-and-play” installation = optimized time-to-value

Simplified installation: lateral footprint reduced to 150 mm (guides included) and spring elimination → accelerated assembly and space optimization.

Configurable pre-wiring: control unit and motor delivered pre-wired with adaptable lengths → immediate commissioning.

■ Reduced maintenance costs (optimized TCO)

Minimal maintenance: elimination of compensation springs and lifting cables → reduced periodic interventions and enhanced reliability.

■ Integrated safety

Emergency control: mechanical chain system ensuring operation even during power outages.

LOGISTICS ADVANTAGES

■ Inventory optimization (reduced TCO)

Simplified range: 4 kits cover the entire door range → streamlined logistics and optimized cash flow.

Standardized components: universal supports for all configurations → minimal database references.

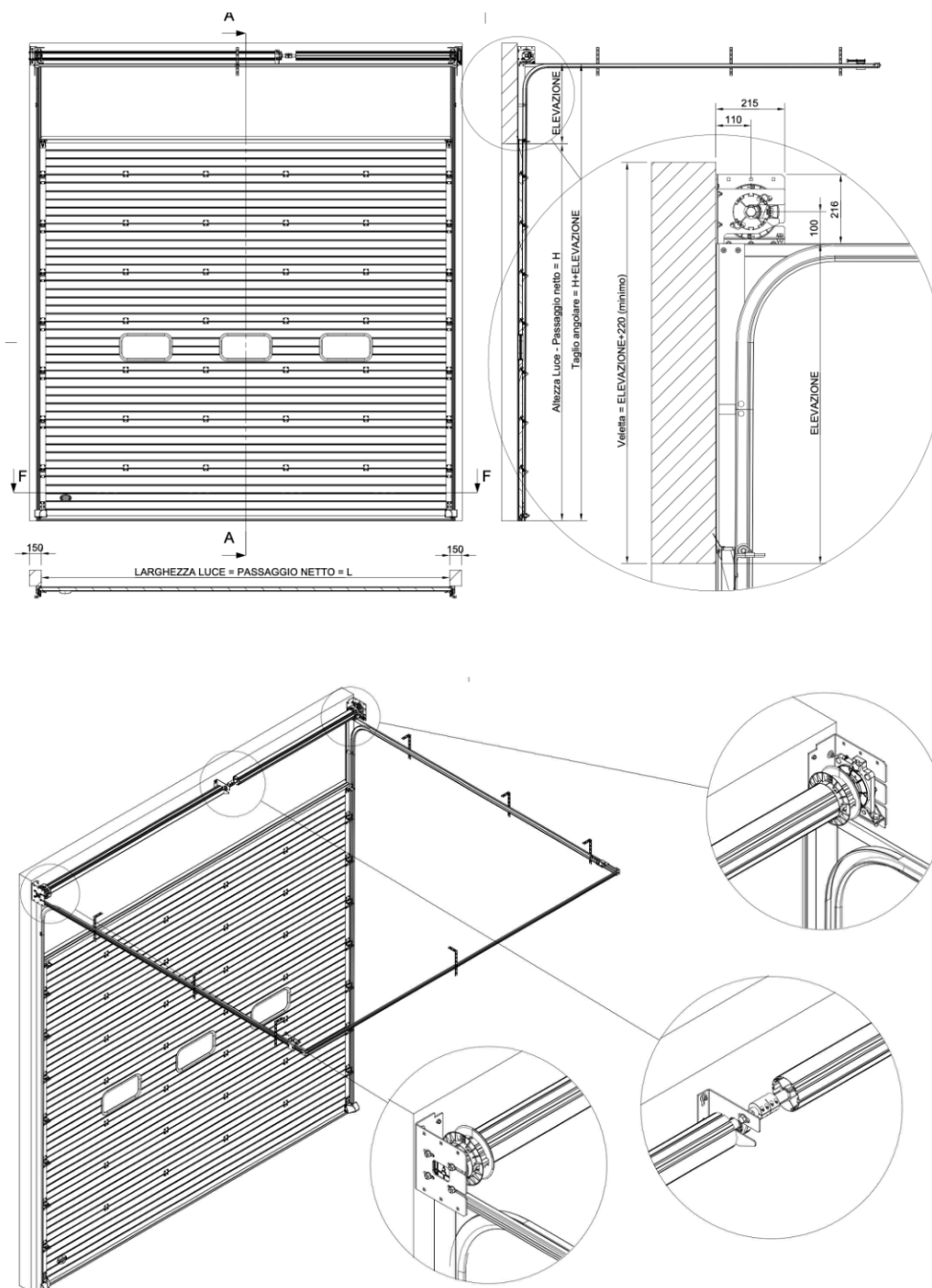
■ Export-friendly

Optimized dimensions: products designed up to 3 meters for international shipping.

Reduced carbon footprint: transportation optimization.

MODELS

Model MTB

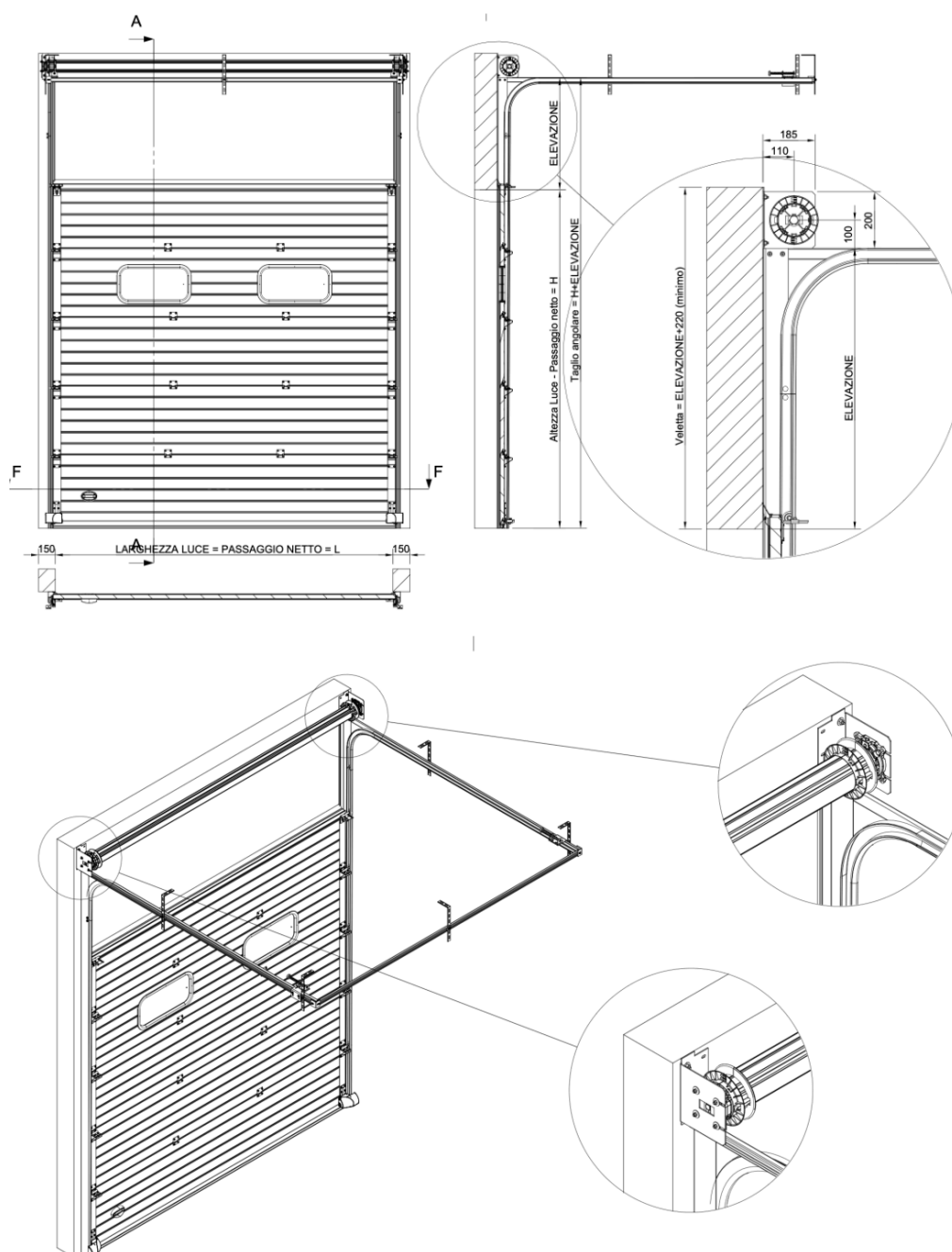


Kit 1 · Kit 2 · Kit 3

Door up to 6x5 m

MODELS

Model MTB-LB



Kit 4

Door up to 3.5×3.5 m

PRODUCT CATALOGUE

Kit 1

Article 00001

Max 267 kg (door up to 5×5 m)



Brushless motor 160 Nm 23 rpm (with adapter 97)
Automatic control unit
3-meter connection cable
Remote control

× 1



Safety brake - 30/365 Nm
Article 00014

× 1



30 mm shaft for 30/365 Nm
safety brake
Article 00026

× 1



Intermediate shaft 30 mm
Article 00023

× 2



Reversible bracket for MTB
system
Article 00015

× 2



Intermediate bracket for MTB
system
Article 00016

× 1



Reversible bracket for MTB-LB
system with motor 59
Article 00017

× 1



UCF 30
Article 00019

× 1



30 mm coupling
Article 00020

× 1



Angle bracket for 30 mm safety
brake
Article 00018

× 1



Nylon alignment flange for
belt
Article 00021

× 4



Belt fixing plate
Article 00022

× 2



Lifting belt with length L 10,000
(Longer belts available upon
request)
Article 00024

× 2



Shackle

× 2



Screw kit bag + flat key
Article 00039

× 1



Tube core profile L 250 mm
Article 00011

× 3

PRODUCT CATALOGUE

Kit 2

Article 00002

Max 334 kg (door up to 6×5 m)



Brushless motor 200 Nm 18 rpm (with adapter 97)
Automatic control unit
3-meter connection cable
Remote control

× 1



Safety brake - 30/365 Nm
Article 00014

× 1



30 mm shaft for 30/365 Nm
safety brake
Article 00026

× 1



Intermediate shaft 30 mm
Article 00023

× 2



Reversible bracket for MTB
system
Article 00015

× 2



Intermediate bracket for MTB
system
Article 00016

× 1



Reversible bracket for MTB-LB
system with motor 59
Article 00017

× 1



UCF 30
Article 00019

× 1



30 mm coupling
Article 00020

× 1



Angle bracket for 30 mm safety
brake
Article 00018

× 1



Nylon alignment flange for
belt
Article 00021

× 4



Belt fixing plate
Article 00022

× 2



Lifting belt with length L 10,000
(Longer belts available upon
request)
Article 00024

× 2



Shackle

× 2



Screw kit bag + flat key
Article 00040

× 1



Tube core profile L 250 mm
Article 00011

× 3

PRODUCT CATALOGUE

Kit 3

Article 00003

Max 267 kg (configuration without intermediate shaft – door up to 5×5 m)

	Brushless motor 160 Nm 23 rpm (with adapter 97) Automatic control unit 3-meter connection cable Remote control	× 1
	Safety brake - 30/365 Nm Article 00014	× 1
	30 mm shaft for 30/365 Nm safety brake Article 00026	× 1
	Reversible bracket for MTB system Article 00015	× 2
	Nylon alignment flange for belt Article 00021	× 4
	Belt fixing plate Article 00022	× 2
	Lifting belt with length L 10,000 (Longer belts available upon request) Article 00024	× 2
	Shackle	× 2
	Screw kit bag + flat key Article 00039	× 1
	Tube core profile L 250 mm Article 00011	× 1

PRODUCT CATALOGUE

Kit 4

Article 00004

Max 146 kg (door up to 3.5×3.5 m)

	Brushless motor 100 Nm 20 rpm (with adapter 97) Automatic control unit 3-meter connection cable Remote control	× 1
	Safety brake - 18/137 Nm Article 00013	× 1
	30 mm shaft with reduction to 18 for 18/137 Nm safety brake Article 00025	× 1
	Reversible bracket for MTB-LB system with motor 59 Article 00017	× 2
	Nylon alignment flange for belt Article 00021	× 4
	Belt fixing plate Article 00022	× 2
	Lifting belt with length L 10,000 (Longer belts available upon request) Article 00024	× 2
	Shackle	× 2
	Screw kit bag + flat key Article 00041	× 1
	Tube core profile L 250 mm Article 00011	× 1

PRODUCT CATALOGUE

Motorisation & control



ARTICLE 00005

Brushless motor 160 Nm 23 rpm (with adapter 97)

Automatic control unit

3-meter connection cable

Remote control



ARTICLE 00006

Brushless motor 200 Nm 18 rpm (with adapter 97)

Automatic control unit

3-meter connection cable

Remote control



ARTICLE 00007

Brushless motor 100 Nm 20 rpm (with adapter 97)

Automatic control unit

3-meter connection cable

Remote control



ARTICLE 00029

Brushless motor 300 Nm 12 rpm (with adapter 97)

Automatic control unit

3-meter connection cable

Remote control



Automatic control unit for brushless motor 160 Nm

Article 00038



Automatic control unit for brushless motor 100 Nm

Article 00044



Custom front panel for the control unit (cosmetic)

Article 00046



Safety box ISO 13849-2/1

Article 00043



Automatic control unit remote

Article 00037

PRODUCT CATALOGUE

Shafts, tubes & safety



4-inch aluminum shaft, length 2000 mm
Article 00008



4-inch aluminum shaft, length 3000 mm
Article 00009



4-inch aluminum shaft, length 7000 mm
Article 00010



Tube core profile L 250 mm
Article 00011 · minimum purchase of 5 pieces



Tube core profile L 3000 mm
Article 00012



Safety brake - 18/137 Nm
Article 00013



Safety brake - 30/365 Nm
Article 00014



Internal and external emergency operation for 59 motor
Article 00027



7-meter connection cable
Article 00028

PRODUCT CATALOGUE

Brackets, shafts & lifting



Reversible bracket for MTB system
Article 00015



Intermediate bracket for MTB system
Article 00016



Reversible bracket for MTB-LB system
with motor 59
Article 00017



Angle bracket for 30 mm safety brake
Article 00018



UCF 30
Article 00019



30 mm coupling
Article 00020



Nylon alignment flange for belt
Article 00021



Belt fixing plate
Article 00022



Intermediate shaft 30 mm
Article 00023



Lifting belt with length L 10,000 (Longer
belts available upon request)
Article 00024



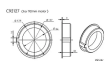
30 mm shaft with reduction to 18 for
18/137 Nm safety brake
Article 00025



30 mm shaft for 30/365 Nm safety
brake
Article 00026

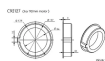
PRODUCT CATALOGUE

Adapters & ironmongery



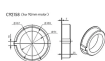
Adapter for 92 motor, tube diameter 97 mm, complete with limit switch adapter

Article 00034



Adapter for 92 motor, tube diameter 127 mm, complete with limit switch adapter

Article 00035



Adapter for 92 motor, tube diameter 158 mm, complete with limit switch adapter

Article 00036



Screw kit bag B for KIT 1 and 3 + shackle + flat key

Article 00039



Screw kit bag B-2 for KIT 2 + shackle + flat key

Article 00040



Screw kit bag A for KIT 4 + shackle + flat key

Article 00041



Cables - 5 mm (x2)

Article 00042



Chain (price per metre)

Article 00047 · per metre



Chain connecting link

Article 00048



Contact

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