



ELITE

FULL PACKAGE ELEVATORS
CATALOGUE
2023



Introduction

ELITE, a prominent subsidiary of the venerable United Elevators Company, brings two decades of expertise to the forefront of Cairo's elevator industry.

Our specialization is in providing a comprehensive package of services, expertly being the sole vendor of esteemed elevator components brands including machines and automatic doors. We bring elevators full package service to the market with multiple models suitable to all types of building requirements.

With a commitment to excellence and a comprehensive range of offerings, we pride ourselves on being a pivotal resource for our clients, affirming ELITE's position as a leading company in the elevator sector.

TABLE OF CONTENT

Your Full Package Elevators Provider	04
How we are Different	06
Certificates	08
Timeline	09
Elite Elevator Services Overview	12
Elite Range of Elevators	13
Our International Providers	16
MODEL 4 MRL-ELITE	18
MRL-Elite Products Range	20
Semi-Automatic Landing Doors	21
Car Door Automatic	22
Cabin Buttons COP & LOP	23
Guide Rails	25
Traction Machine	30
Cabin	38
Speed Governor	40
Wire Ropes	40
Control System	41



WELCOME TO ELITE

Your Full Package Elevators Provider

With long years of unwavering commitment, we have pioneered the introduction of full-package elevator services in Egypt, a model that has catalyzed our growth and rooted us more in the market. Our approach combines the convenience of comprehensive, internationally-compliant elevator systems with the flexibility of local assembly, offering five different models that suits every type of building requirements.





Established Presence

With long years of market experience, ELITE proudly stands as a foremost company headquartered in Cairo, Egypt.

Service Excellence

We specialize in elevator manufacturing and with being the sole vendor of multiple brands, we bring a diverse range of elevators, ensuring a smooth and reliable experience for all users.



Product Diversity

Engaging in the trade of an extensive variety of products and components, ELITE offers Full Package Elevators and Lift Components.



HOW WE ARE DIFFERENT (EXPERIENCE DIVERSITY)



**Eng.
Adel AbdelRazeq**
Owner



**Eng.
Shadia Yassin**
CFO



**Eng.
Amr Adel**

CEO



**Eng.
Mostafa Adel**

CTO



**Eng.
Mahmoud Adel**

Supply Chain Director



**Eng.
Sameh Hamdy**

COO



+1000

Cabins

+2000

Doors

1000

Car Frames

TIMELINE

2018

February
5th Settlement
Factory

August
Badr City,
Old Factory

May
Badr City,
Current Factory

Fermator
Co-Production

2019

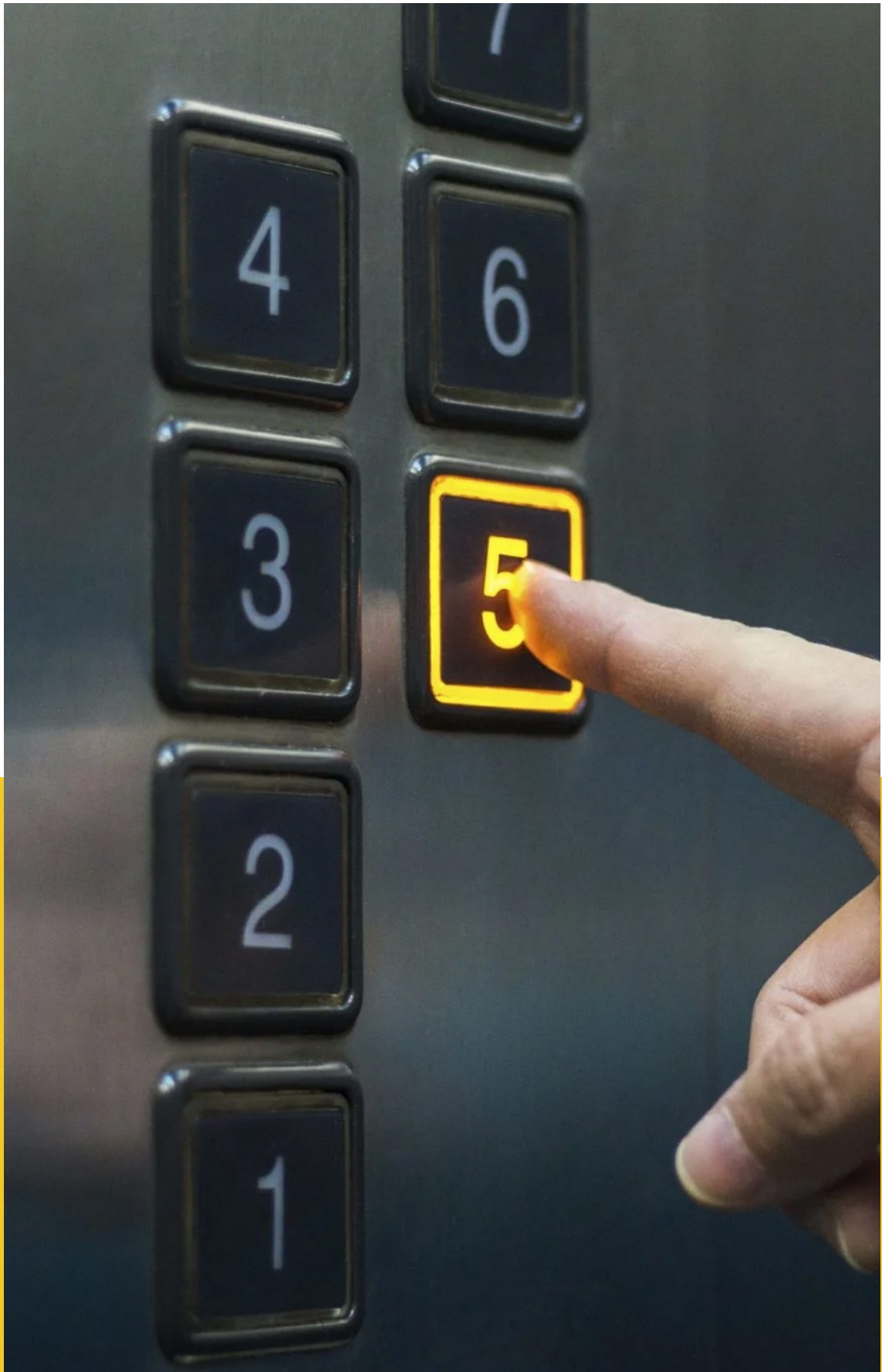
2023

Sicor official
reseller

March
SO-9001,
ISO14001,
ISO45001 certified

August
Introducing Full
Package Elevators
to the local
market







ELITE ELEVATOR SERVICES OVERVIEW



Technical Support:

Over two decades of industry experience.
Solutions and support for all elevator designs.
Available for client support anytime, anywhere.



Components Supplier:

Authorized distributor for renowned global brands.
Comprehensive range of components and spare parts.
Timely fulfillment of clients' diverse needs.



Manufacturing Excellence:

Latest designs of frames, cabins, and machine beds.
Innovative, elegant, and compliant with Egyptian elevator codes.
Options satisfying multiple building requirements.

ELITE RANGE OF ELEVATORS

Discover our diverse elevator solutions tailored to meet the unique needs of various building types

Existing Building

Elevators designed to integrate seamlessly into older structures, preserving architectural integrity



Industrial

Heavy-duty elevators for industrial and warehouse facilities

Office Buildings

Efficient elevators for speedy vertical movement in professional settings





Hotels

Stylish and functional elevators for guest convenience

Shopping Centers

Elevators enhancing shopping convenience and accessibility



Residential

Elevators providing accessibility and comfort in multi-story homes

Hospitals

Precise and reliable elevators for safe patient and equipment transport in healthcare



STEERING ELEVATIONS WITH PURPOSE

Vision



At ELITE Elevators, we envision becoming the benchmark of elevator excellence, not just in Egypt and Middle East but globally. We are driven by our track record of installing over 500 elevators annually and by the trust placed in us by our 1000+ satisfied clients. We aim to rival multinational giants and set a new gold standard in the elevator industry.

Mission



Our main mission can be represented in supplying, and manufacturing high quality elevators to fill the market gap using a reliable supply chain, qualified technicians, and modern ways in project management.



OUR **INTERNATIONAL** PROVIDERS



Fermator



GUSTAV WOLF

EMF Motor®



WISEROL



FULL PACKAGE ELEVATORS

Explore the comprehensive capabilities of our Full Package Elevators.

ELITE offers the first Full Package Elevators in Egypt.
Offering our clients a one-stop-shop for elevator needs.

1. A One-Stop Shop:

ELITE Elevators Full Package Service is your one-stop shop, where you can conveniently access top-notch elevator parts from various trusted brands, all from a single source.

2. Comprehensive Excellence:

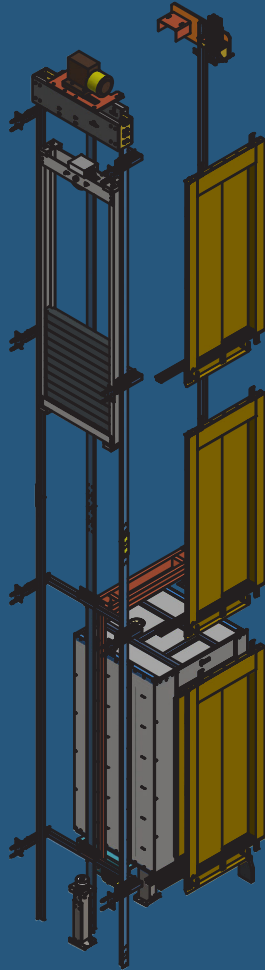
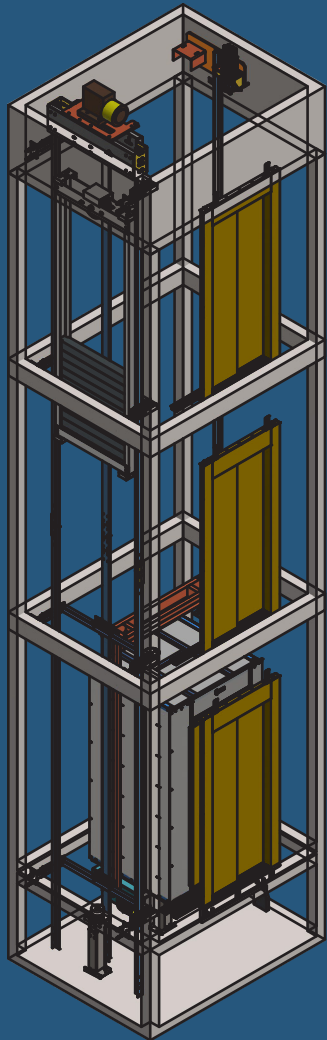
We curate a comprehensive range of high-quality parts, from renowned international brands ensuring that you receive the best quality for your elevator project.

3. Multiple Solutions:

Our service allows you the convenience of one-stop shop. You can choose from 5 different models designed to cover all building needs and requirements.

4. Efficiency and Savings:

By offering a one-stop solution, ELITE Elevators enhances efficiency and reduces costs, making your elevator project management straightforward and cost-effective.



MODEL MRL-ELITE

MRL_Elite : MRL= Machine Roomless

Our Elite solution for Romless shafts that sustain low energy consumption through gearless technology. Robust, high reliability and high durability

Elevator Use Normal Traffic

Range of Buildings



Hotels



Public
Buildings



Residential
Buildings



Administrative
Buildings

Load and Capacity



4 – 10 Persons



320 - 800 KG



MRL-ELITE PRODUCTS RANGE

Automatic Landing Doors

Provider
Fermator
AUTOMATIC DOORS FOR LIFTS



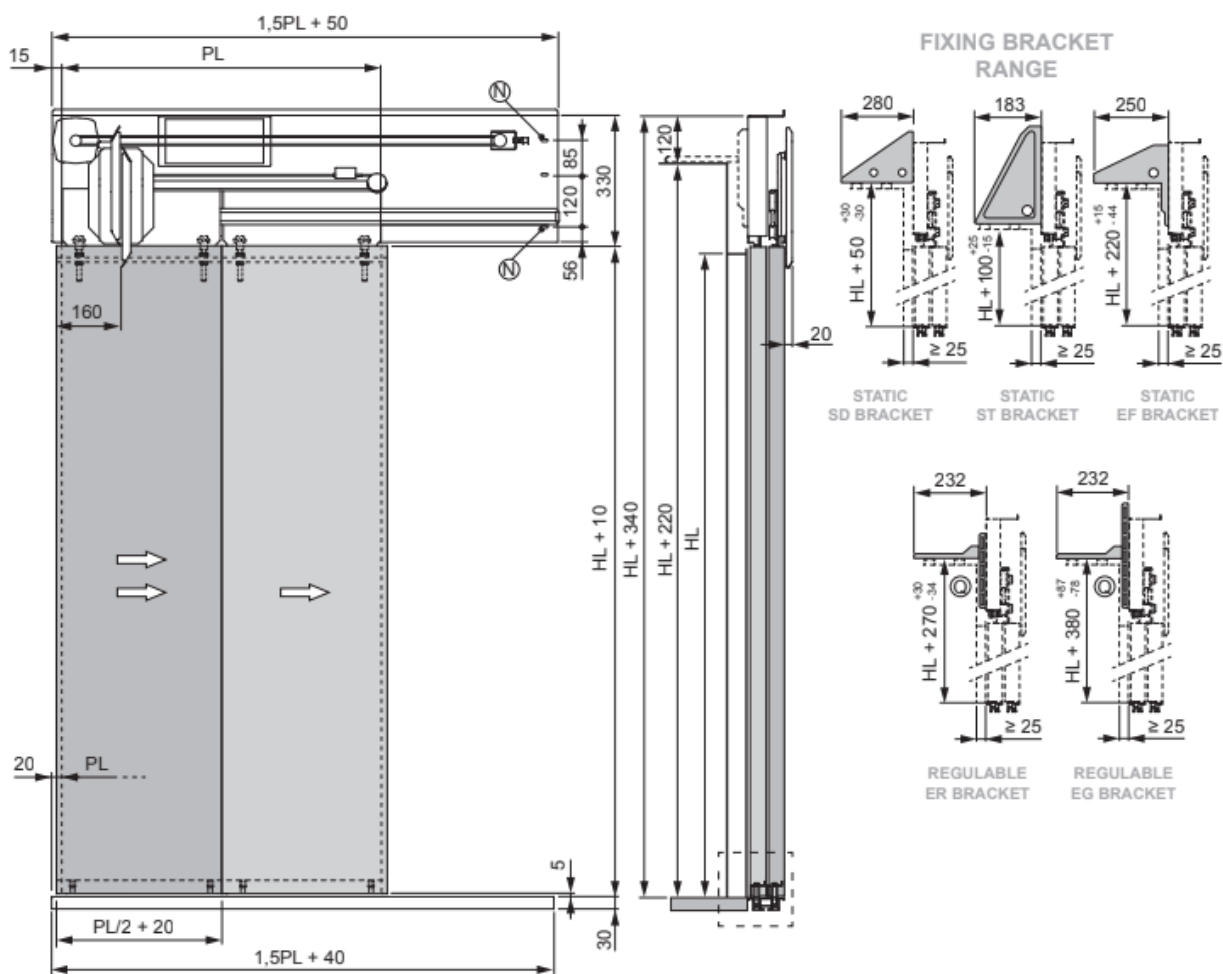
Semi Automatic Landing Door	Dimensions	Finish
Clear Opening 70 CM	70 CM * 200 CM	Stainless Steel OR Beige (RAL7032)
Clear Opening 80 CM	80 CM * 200 CM	Stainless Steel OR Beige (RAL7032)



Car Door Automatic

Provider

Fermator
AUTOMATIC DOORS FOR LIFTS



Fermator Car Door	Dimensions	Finish
Clear Opening 70 CM	70 CM * 200 CM	RAL7032 (Beige) Or Stainless-Steel Brushed
Clear Opening 80 CM	80 CM * 200 CM	RAL7032 (Beige) Or Stainless-Steel Brushed

Cabin Buttons COP& LOP

Provider
WISEROL



LSPN 1000 SM
1000 X 200 X 24 MM



SGN 1000 SM
1000 X 200 X 24 MM



SGGN 1000 SM
1000 X 200 X 24 MM



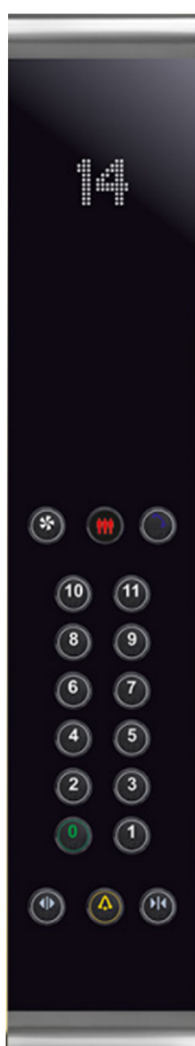
SGPN 1000 SM
1000 X 200 X 24 MM



Cabin Buttons COP& LOP

Provider

WISEROL



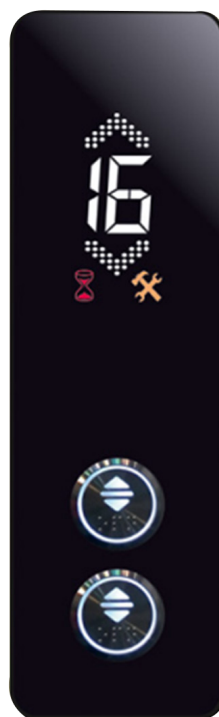
PGN1000 SM DM



PSXT251



SGT302



SGTP302



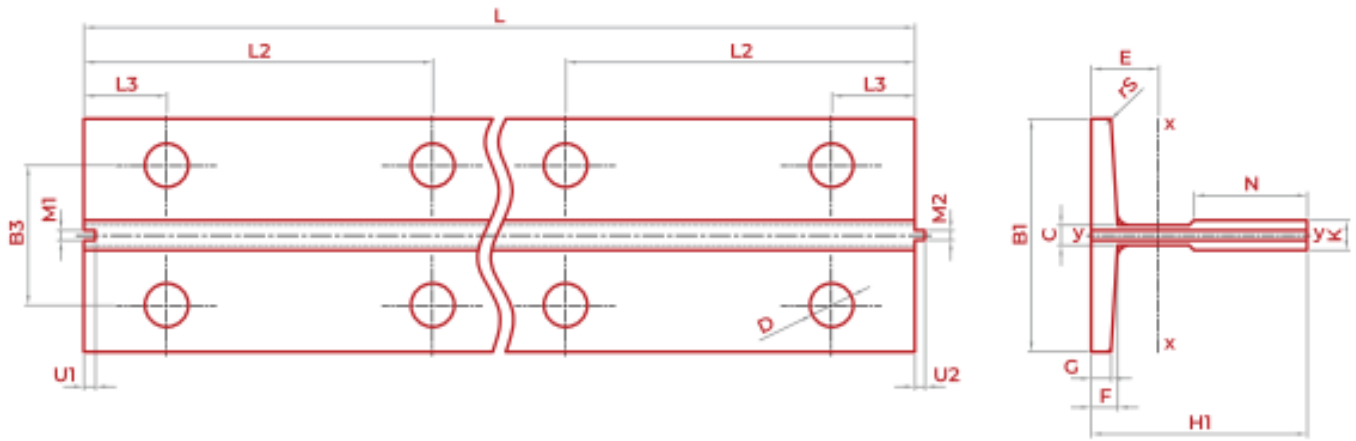
PGT 281

GUIDE RAILS

Provider



T70/A / T70/B-70x65x9mm

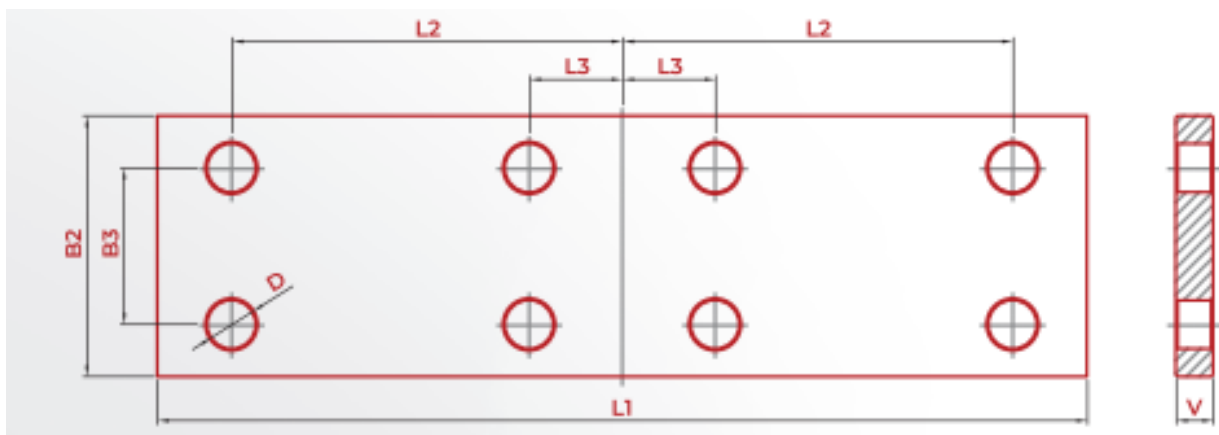
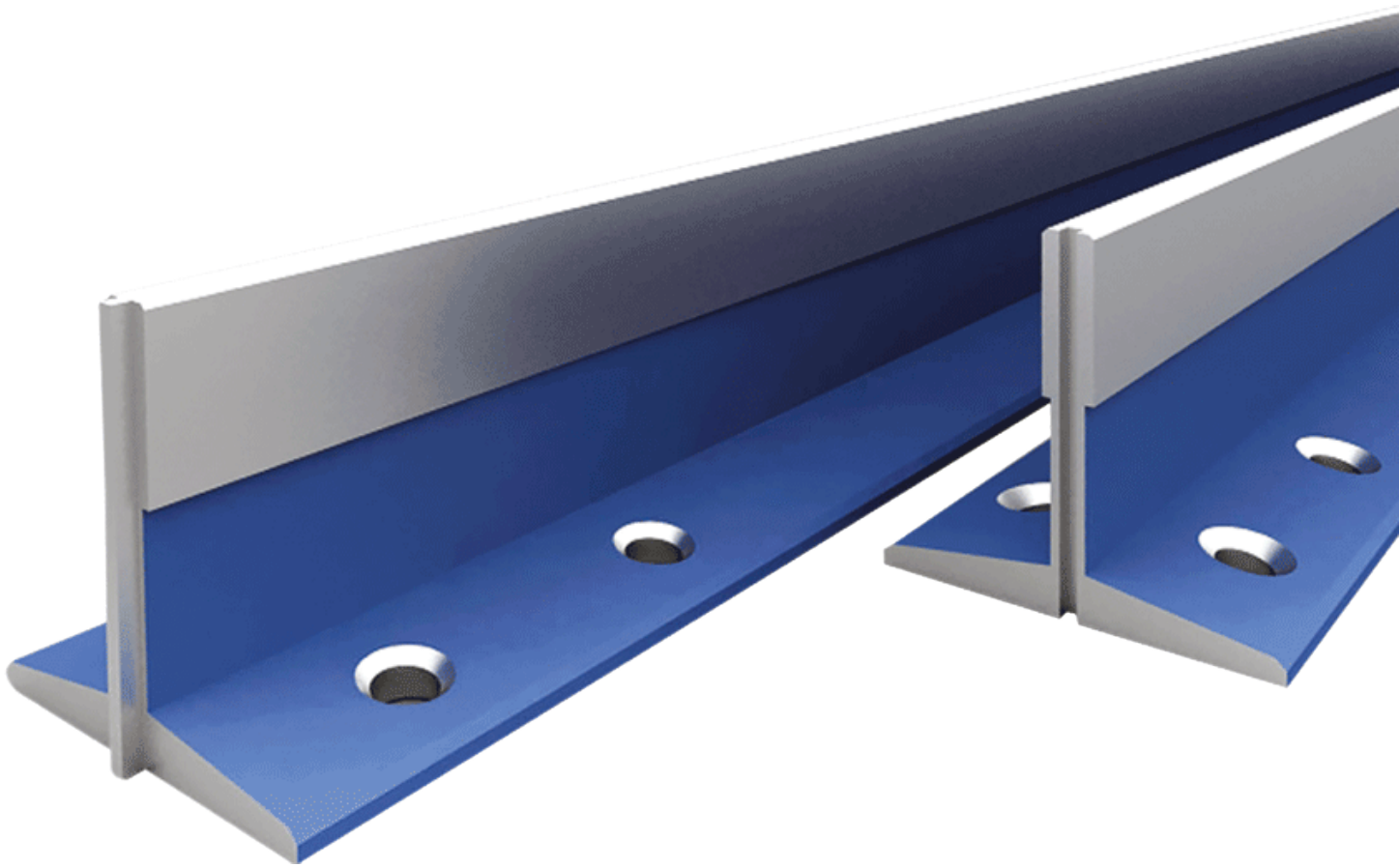


ELEVATOR GUIDE RAIL

DIMENSIONS																					
KOD/ NO	EBAT / SIZE	L	B1	H1	K	N	C	G	F	rS	M1	M2	U1	U2	B3	L3	L2	D	D1	I	H
		TOLERANSLAR / TOLERANCES																			
T70/A	70x65x9 mm.	±2	±1,5	±0,10	±0,10	+3		±0,75	+0,06		±0,06	-0,06	±0,10	±0,10	±0,20	±0,20	±0,20			+3	±0,10
		5000	70	65	9	34	6	6	8	1,5	3	2,97	3,5	3	42	25	105	13			
T70/B	70x65x9 mm.	5000	70	65	9	34	6	6	8	1,5	3	2,97	3,5	3	42	25	105	13		140	64

TECHNICAL CHARACTERISTICS

KOD/ NO	EBAT / SIZE	S	Q	E	LXX	WXX	IXX	LYY	WYY	IYY
T70/A	70x65x9 mm.	cm ²	Kg/m	cm	cm ⁴	cm ³	cm	cm ⁴	cm ³	cm
		9,40	7,38	2,03	40,95	9,17	2,09	18,86	5,39	1,42
T70/B	70x65x9 mm.	9,40	7,37	2,03	40,95	9,16	2,08	18,86	5,38	1,41

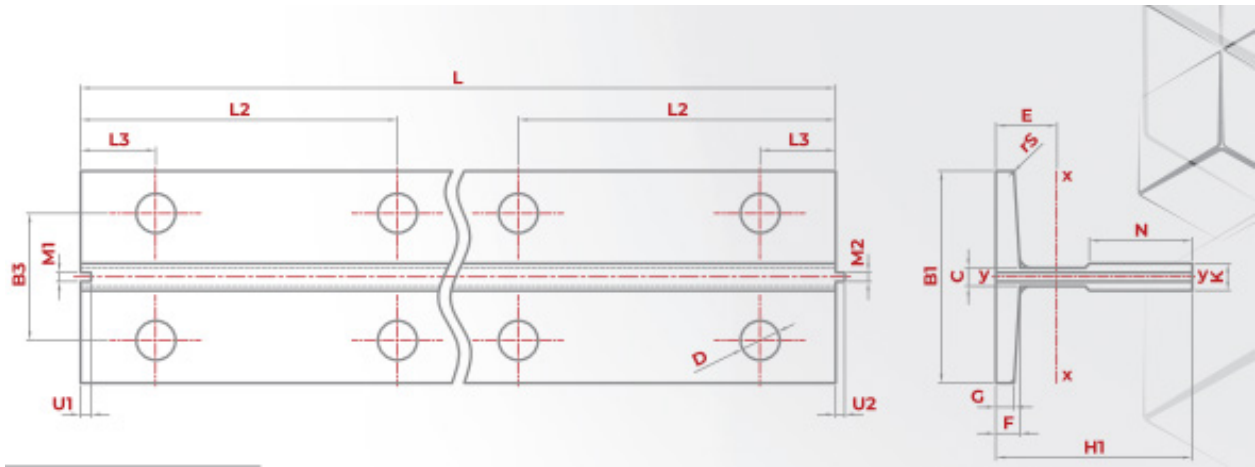


GUIDE RAILS

Provider



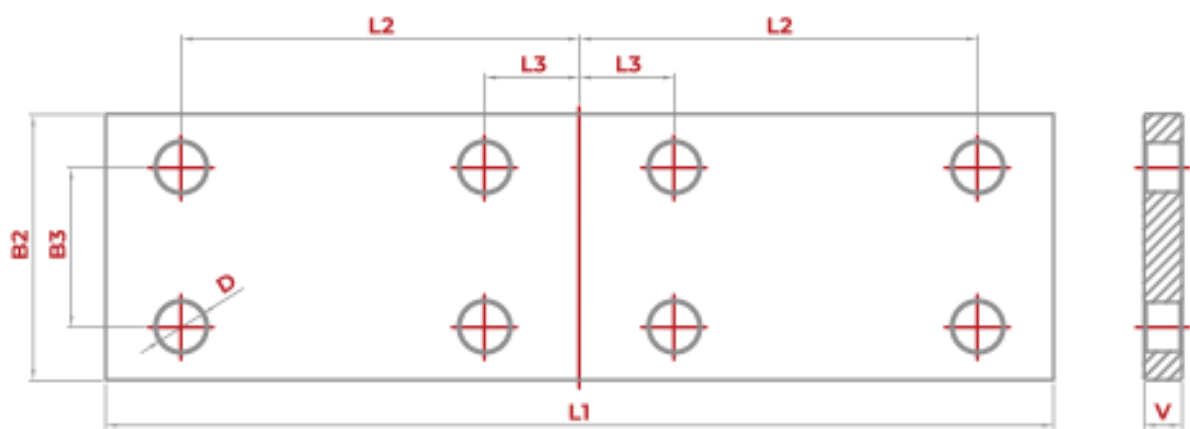
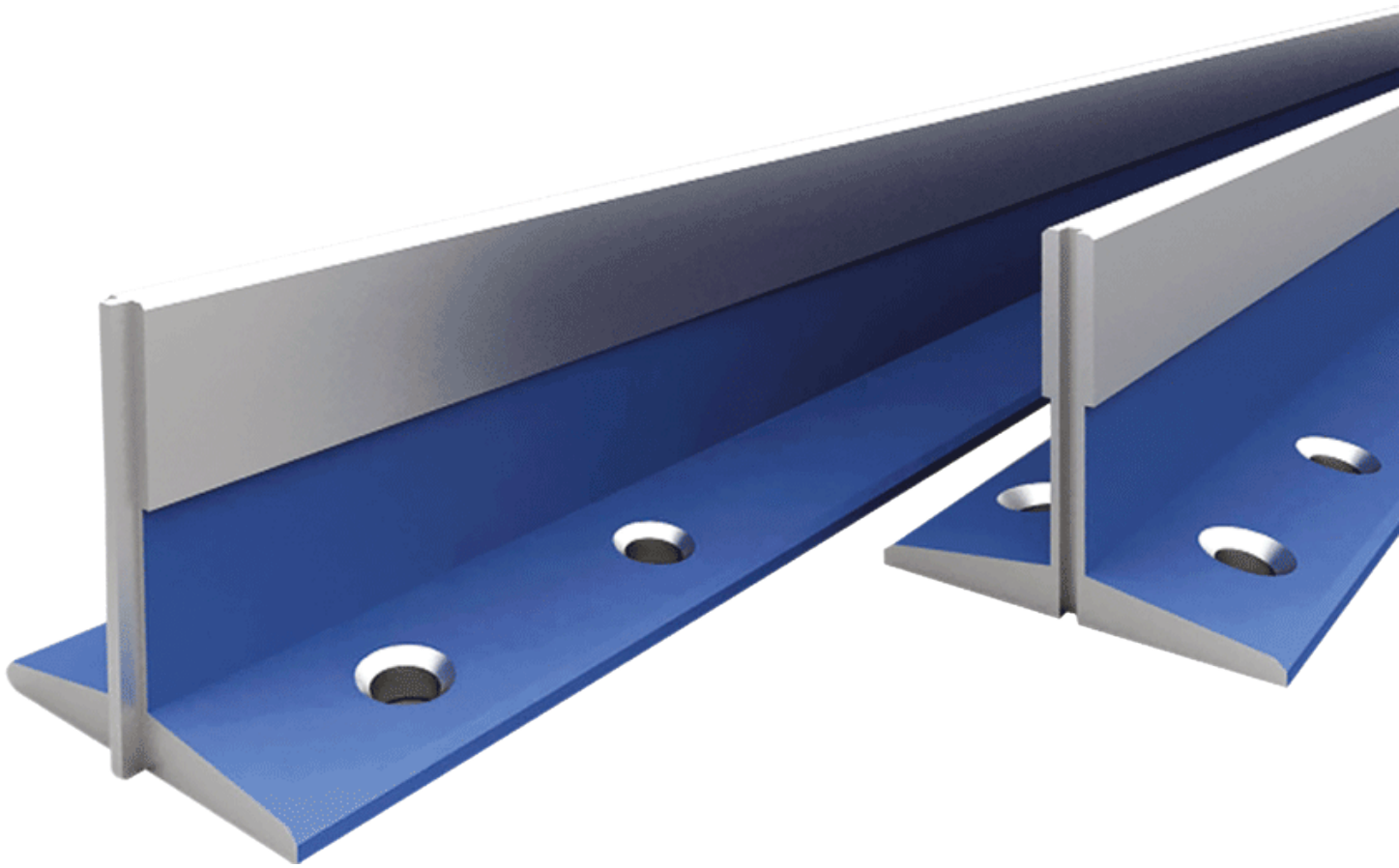
T50/A-50x50x5mm



ELEVATOR GUIDE RAIL

DIMENSIONS																		
KOD/ NO	EBAT / SIZE	L	B1	H1	K	N	C	G	F	rS	M1	M2	U1	U2	B3	L3	L2	D
		TOLERANSLAR / TOLERANCES																
T50/A	50X50X5 MM	±2	±1	±0,15							+0,06	-0,06	±0,10	±0,20	±0,20	±0,20	±0,20	
		5000	50	50	5	27	4	4,5	5,5	1	2	1,95	2,5	2	30	25	75	9

TECHNICAL CHARACTERISTICS										
KOD/ NO	EBAT / SIZE	S	Q	E	LXX	WXX	IXX	LYY	WYY	IYY
T50/A	50X50X5 MM	cm ²	Kg/m	cm	cm ⁴	cm ³	cm	cm ⁴	cm ³	cm
		4,75	3,73	1,43	11,24	3,15	1,54	5,25	2,1	1,05

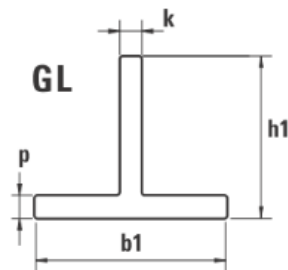


GUIDE RAILS

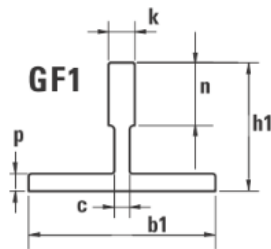
Provider



Cold Drawn Machined Guide Rails



GL	ISO 7465 ed.09/97	b1	h1	h	k	n	c	g	f	m1	m2	t1	t2	d	d1	l	b3	l2	l3
		+/-0,5	+/-0,2		+/-0,15				+/-0,5	+0,06/0	0/-0,06	+/-0,10	+/-0,10				+/-0,3	+/-0,2	+/-0,2
GL505	T 50/A	50	50	-	5	-	-	-	5	2	1,95	2,5	2	9	-	-	30	75	25

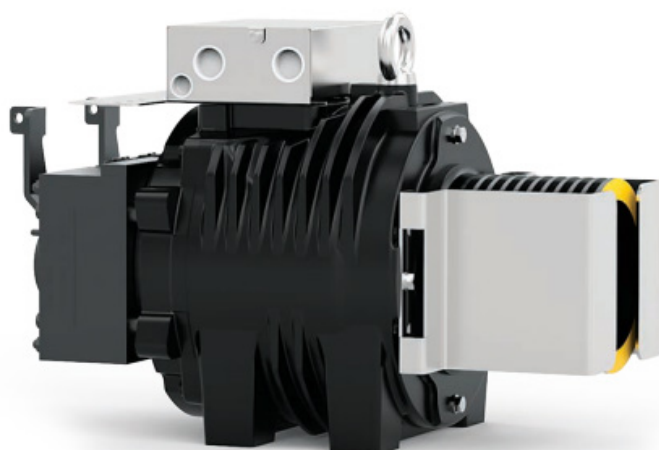


GF1	ISO 7465 ed.09/97	b1	h1	h	k	n	c	g	f	m1	m2	t1	t2	d	d1	l	b3	l2	l3
		+/-1,5	+/-0,1		+0,1/0	+3/0			+/-0,75	+0,06/0	0/-0,06	+/-0,10	+/-0,10			+3/0	+/-0,2	+/-0,2	+/-0,2
GF765	T 70-1/A	70	65		9	34	6	-	7	3	2,95	3,5	3	13	-	128	42	105	25



Traction Machine : Gearless

Sicor Gearless SG10



Provider



Sicor Gearless SG10

3.4KW , 360V

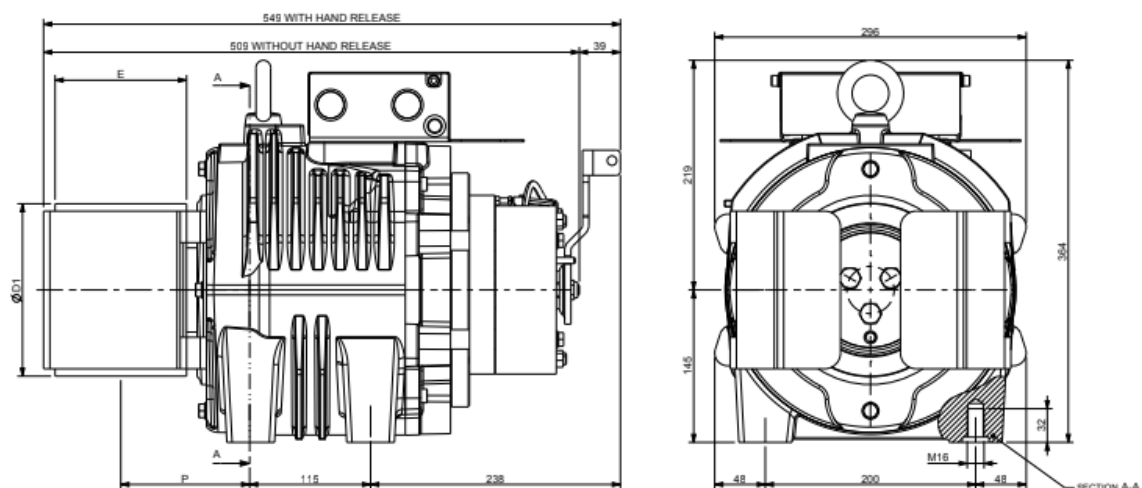
450 KG

Pulley 210 x 9 x 6.5mm

220V Brakes , Speed 1m/s

Suspension 2:1

Model	Ø Traction sheave	Car speed	Q Rated load	P Car weight	rpm	P ***	I ***	Installation Frequency	Ropes Nr x diameter Ø
	[mm]	[m/s]	[kg]	[kg]	[min-1]	[kW]	[A]	[Hz]	[mm]
SG10145B	120	0,63	800	950	199	3.13	8,1	33,3	4 x Ø 6,5 (*)
SG10145B	160	0,63	675	930	199	2.65	9,2	24,9	4 x Ø 6,5 (*)
SG10145B	160	1,00	630	900	254	3.96	10,1	39,6	4 x Ø 6,5 (*)
SG10145B	200	0,63	480	700	120	2.22	6,3	20	6 x Ø 6,5
SG10145B	200	1,00	400	550	199	3.05	8,3	31,7	6 x Ø 6,5
SG10145B	210	0,63	450	680	120	2.11	6,3	19,1	6 x Ø 6,5
SG10145B	210	1,00	400	600	199	3.17	9,1	30,2	7 x Ø 6,5
SG10145B	210	1,60	320	500	291	4.16	10,5	48,5	6 x Ø 6,5
SG10145B	240	0,63	400	600	120	1.84	6,3	16,6	5 x Ø 6,5
SG10145B	240	1,00	320	500	199	2.36	7,7	26,6	4 x Ø 6,5
SG10145B	240	1,60	320	500	254	3.96	9,5	42,4	5 x Ø 6,5



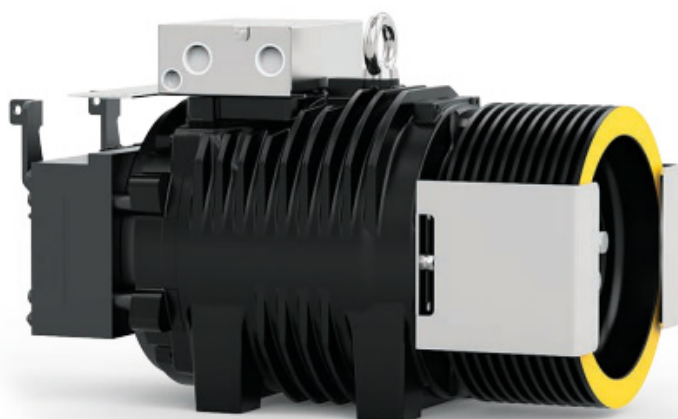
General data	
Harmonized standards of reference	EN 81-20 e EN 81-50
Roping	2:1 - Conventional Single Wrap
Machine position	Top
Compartment efficiency	0,9
Nr of deflection pulleys on ball bearings	2 for rated load ≤ 1000 kg 3 for rated load > 1000 kg
Counterweight balancing	50%
Travel height	30 m
Duty cycle	S3 40%
Starts/hour	180
Wrap angle	180°
Acceleration	0,3÷0,5m/s ² for car speed ≤ 1 m/s 0,5÷0,7m/s ² for car speed > 1 m/s

Ø D1	E	P	Max Weight	Inertia	Roping System	Torque S3 40%	Max Static Load	Max Power **
[mm]	[mm]	[mm]	[kg]	[kgm ²]		[Nm]	[kN - kg]	[kW]
120	125	123	142	0,09	CSW *	165	22,6 - 2300	5
160				0,13				
200				0,21				
210				0,24				
240				0,36				
270				0,47				
320		118		0,54				



Traction Machine : Gearless Sicor Gearless SG22

Provider



Sicor Gearless SG22

6KW , 360V

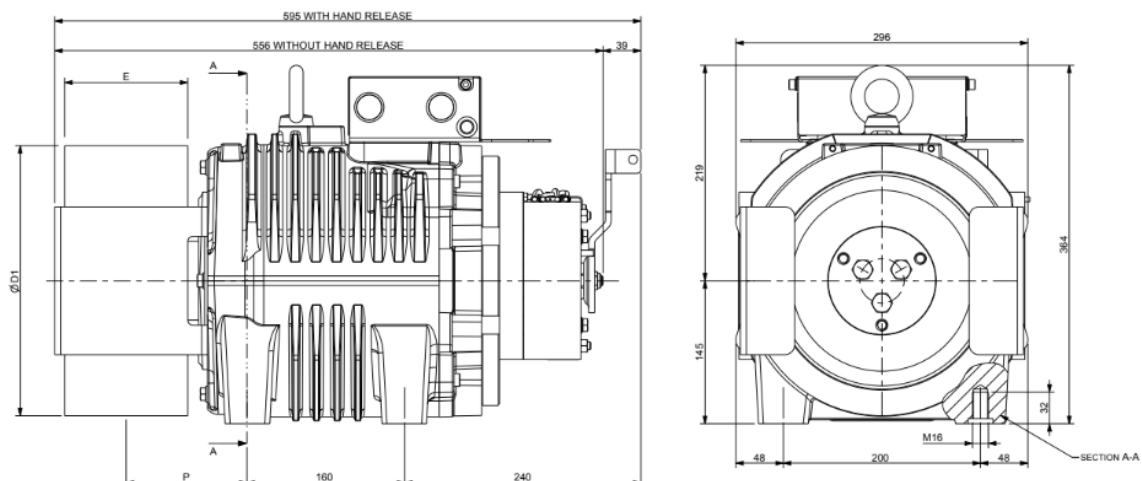
800 KG

Pulley 210 x 10 x 6.5mm

220V Brakes , Speed 1m/s

Suspension 2:1

Model	Ø Traction sheave	Car speed	Q Rated load	P Car weight	rpm	P ***	I ***	Installation Frequency	Ropes Nr x diameter Ø
	[mm]	[m/s]	[kg]	[kg]	[min-1]	[kW]	[A]	[Hz]	[mm]
SG22145B	120	0,63	1600	1600	199	6,25	15,39	33,3	7 x Ø 6,5 (*)
SG22145B	160	0,63	1000	1200	199	3,90	12,9	25	5 x Ø 6,5 (*)
SG22145B	160	1,00	1000	1200	254	6,22	15,1	39,6	5 x Ø 6,5 (*)
SG22145BF	200	0,63	800	950	120	3,61	9,7	20	9 x Ø 6,5
SG22145BF	200	1,00	800	950	199	5,85	15,3	31,7	10 x Ø 6,5
SG22145B	210	0,63	800	950	120	3,55	9,91	19	8 x Ø 6,5
SG22145BF	210	1,00	675	930	199	5,01	13,7	30,2	9 x Ø 6,5
SG22145BF	210	1,60	630	930	291	7,83	18,7	48,5	10 x Ø 6,5
SG22145BF	240	0,63	675	930	120	2,99	9,6	16,6	7 x Ø 6,5
SG22145BF	240	1,00	675	930	199	4,88	15,3	26,4	8 x Ø 6,5
SG22145B	240	1,60	480	700	254	5,83	13,4	42,4	7 x Ø 6,5
SG22145BF	320	0,63	480	700	120	2,17	9,3	12,5	4 x Ø 8
SG22145BF	320	1,00	480	700	120	3,60	9,7	19,8	5 x Ø 8
SG22145BF	320	1,60	400	680	199	5,27	13,64	31,8	4 x Ø 8
SG22145BF	320	2,00	400	600	254	6,29	15,4	39,7	5 x Ø 8



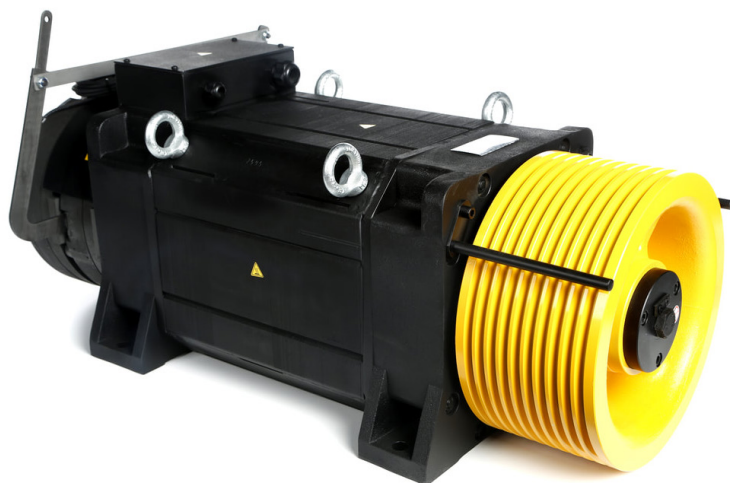
General data	
Harmonized standards of reference	EN 81-20 e EN 81-50
Roping	2:1 - Conventional Single Wrap
Machine position	Top
Compartment efficiency	0,9
Nr of deflection pulleys on ball bearings	2 for rated load $\leq$ 1000 kg 3 for rated load $>$ 1000 kg
Counterweight balancing	50%
Travel height	30 m
Duty cycle	S3 40%
Starts/hour	180
Wrap angle	180°
Accelleration	0,3÷0,5m/s ² for car speed $\leq$ 1 m/s 0,5÷0,7m/s ² for car speed $>$ 1 m/s

Ø D1	E	P	Max Weight	Inertia	Roping System	Torque S3 40%	Max Static Load	Max Power **
[mm]	[mm]	[mm]	[kg]	[kgm ²]		[Nm]	[kN - kg]	[kW]
120	125	122	160	0,11	CSW *	250	27,5 - 2800	7,6
160				0,16				
200				0,24				
210				0,27				
240				0,38				
270				0,49				
320		117		0,57				



TRACTION MACHINE GEARLESS

EMF SQML 100 (k)



Provider

EMF Motor®

EMF SQML 100 (k)

4KW

630 KG

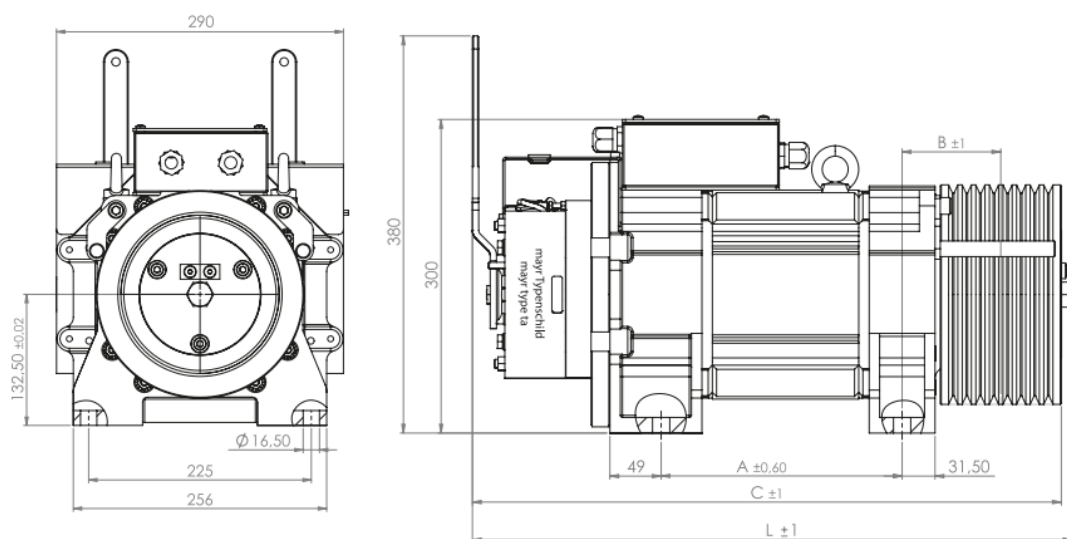
Pulley 240 x 6 x 6.5 mm

207V Brakes , Speed 1m/s

Suspension 2:1

- Certificated rope must be used with 210 mm and lesser traction sheaves.
- All calculations have been made due to Drako 250T rope type.
- Feedback device is a Heidenhain ECN1313 EnDat encoder and the brakes are Mayr branded.
- Shaft efficiency is considered as 80% in all calculations.
- Maximum Static loads are given for 1:1 suspension. They need to be multiply by 2 for 2:1 suspension.
- Compensation rope must be used over 24m travel distance.
- Travel distance is considered 35-45m for 2m/s and higher cabin speeds.
- Please contact us for other load capacities.
- Sheave angles for 210 mm and 240 mm are 50°, for 320 mm and 400 mm they are 45°.
- The hardness rate of our sheaves is 50 HRC.
- Brake supply voltage is 207VDC.

EMF Motor reserves the right to amend dimensions, technical data and design specification without prior notification.



Suspension	Motor NR.	Motor Code	Load Capacity kg	Traveling speed m/s	Traction Sheave mm	Rope Number x Ø mm	Rated Torque Nm	Rated Speed min ⁻¹	Rated Current A	Rated Power KW	Static Load kg
2:1	K	100 - 160	630	1,0	Ø 240	6 x 6,5	250	159	17	4,2	1700

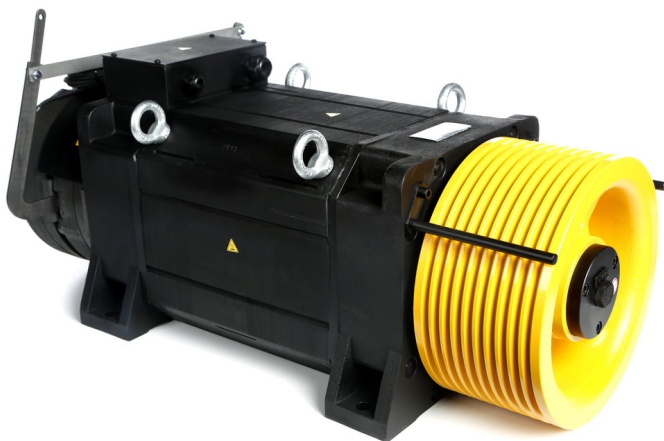
Motor NR.	A MM	B MM	L MM	Weight KG
K	250,5	82	594	132



EMF SQML 132 (j)

Provider

EMF Motor®



EMF SQML 132 (j)

5.4KW

800 KG

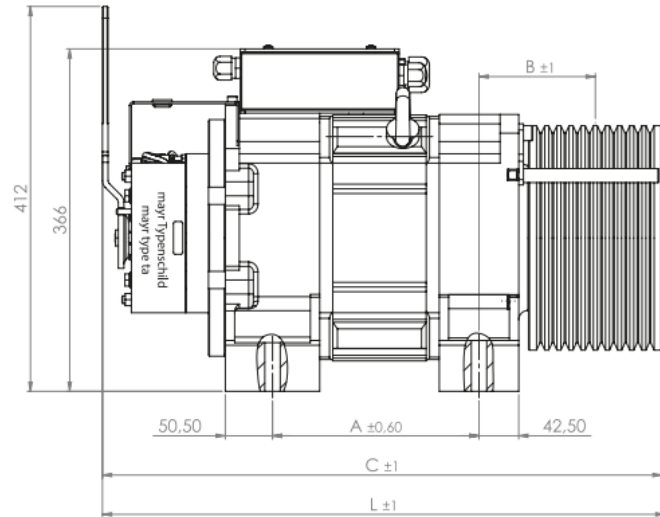
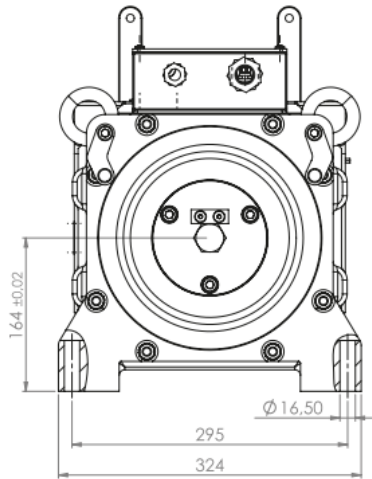
Pulley 240 x 7 x 6.5 mm

207V Brakes , Speed 1m/s

Suspension 2:1

- Certificated rope must be used with 210 mm and lesser traction sheaves.
- All calculations have been made due to Drako 250T rope type.
- Feedback device is a Heidenhain ECN1313 EnDat encoder and the brakes are Mayr branded.
- Shaft efficiency is considered as 80% in all calculations.
- Maximum Static loads are given for 1:1 suspension. They need to be multiply by 2 for 2:1 suspension.
- Compensation rope must be used over 24m travel distance.
- Travel distance is considered 35-45m for 2m/s and higher cabin speeds.
- Please contact us for other load capacities.
- Sheave angles for 210 mm and 240 mm are 50°, for 320 mm and 400 mm they are 45°.
- The hardness rate of our sheaves is 50 HRC.
- Brake supply voltage is 207VDC.

EMF Motor reserves the right to amend dimensions, technical data and design specification without prior notification.



Suspension	Motor NR.	Motor Code	Load Capacity kg	Traveling speed m/s	Traction Sheave mm	Rope Number x Ø mm	Rated Torque Nm	Rated Speed min ⁻¹	Rated Current A	Rated Power KW	Static Load kg
2:1	J	132 - 140	800	1,0	Ø 240	7 x 6,5	325	159	16,7	5,4	2200

Motor NR.	A MM	B MM	L MM	Weight KG
J	261	105	672	198



Cabin

Provider



ELITE



- **Galvanized 1mm , Used for Car Outside Panels**
- **Stainless Steel 0.7mm , Brushed Hairline & Mirror Finish**
- **Carbon Steel 1.5mm Car Ceiling , Anti-Rust and Corrosion Painting**
- **Carbon Steel 3mm Car Base , Anti-Rust and Corrosion Painting**
- **Stainless Steel Handrail Rear Or Side Mount**
- **Half Hight - Full Width Mirror Rear Mount**
- **COP Engraved Buttons , Surface Mount**
- **Flooring Local Supplied Granite of Your Choice**

Cabin

Provider



- **Galvanized 1mm , Used for Car Outside Panels**
- **Stainless Steel 0.7mm , Brushed Hairline & Decorative Finish of Your Choice**
- **Carbon Steel 1.5mm Car Ceiling , Anti-Rust and Corrosion Painting**
- **Carbon Steel 3mm Car Base , Anti-Rust and Corrosion Painting**
- **Stainless Steel Handrail Rear Or Side Mount**
- **Full Hight - 1/3 Width Mirror Rear Mount**
- **COP Engraved Buttons , Surface Mount**
- **Flooring Local Supplied Granite of Your Choice**



Speed Governor

Provider

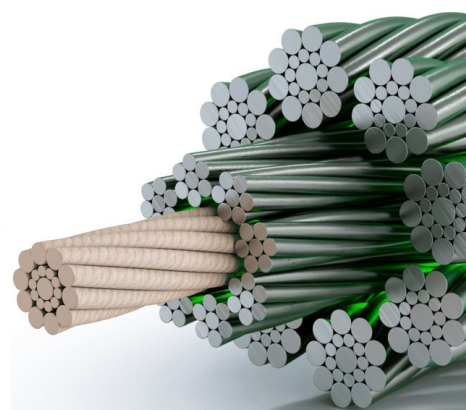
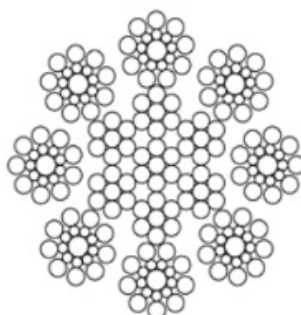


- Easy and Uncomplicated Assembly.
- Bidirectional Operate
- With 21 cm and 30 cm pulley diameter options
- 0.40 to 1.60 M / S Working Range Possibilities
- Applicable for revise installations and modernizations
- CE certificated switch



Wire Ropes

- Gustav Wolf Germany
- Metal Press



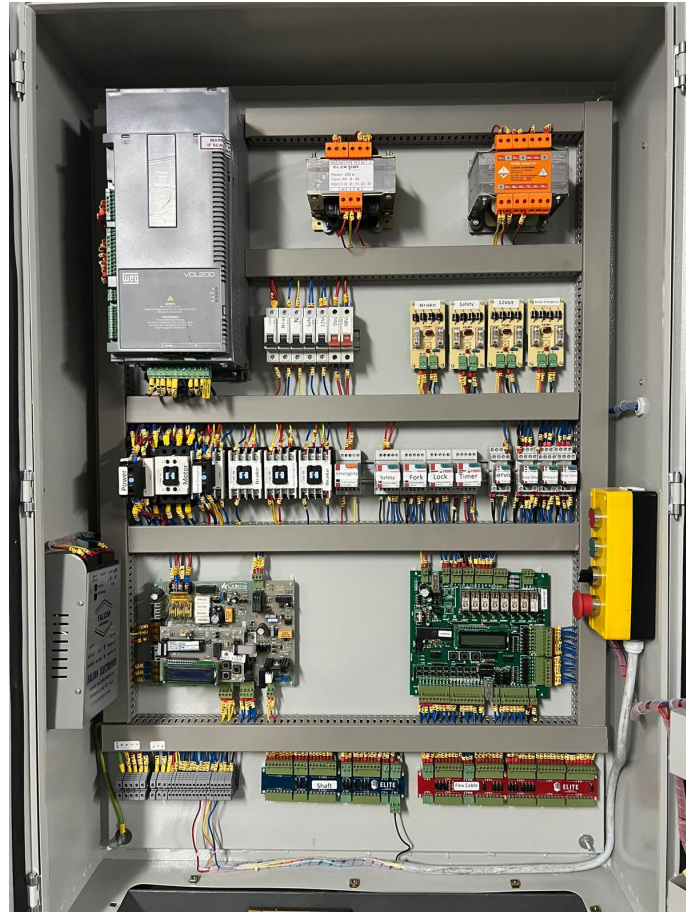
Diameter	Core Type	Strands
10mm	Fiber Core	8*19

Control System

Provider



ELITE



Main Control panel specs.:

- Up to 8 Stops down collective.
- Main & Emergency board made in Egypt and Italy.
- Inverter Italian or Japanese made.
- Panel IP54 Epoxy painted made by Elite Factory.
- Contactors Korean or Japanese made.
- Over & Under voltage protection.
- Phase correction & Phase failure.



Address 2/7 Near Badr City, Badr, Cairo Governorate
Phone 01111562045
Email sales@elite-lifts.com
Website www.elite-lifts.com