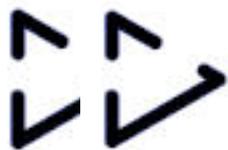




FUJI Elevators



**ENVIRO
EVOLUTION**

*A new MRL lift solution
manufactured by GLE*

An Evolution in so many ways

↳ The revolution for Fuji has begun not only with the launch of this new lift EVOLUTION® on a commercial level, but from its very essence, its own structure. It is an honour for us to present this product that has been created and is an inherent part of Fuji and our philosophy. It has helped us to grow at an industrial level and become a productive centre, since it will be in our facilities where this lift is manufactured from start to finish.

↳ Our EVOLUTION® lifts have been awarded the maximum possible energy-efficiency ratings according to the **VDI 4707** and **ISO 25745-2** standards.

- The incorporation of **Varispeed** and **Direct Approach System**.
- The **gearless drive** unit significantly lowers energy consumption and does not require lubricants.
- **Stand-by mode** is activated whenever the lift is not in use.
- Energy-efficient lighting with **LED spotlights**.
- Designed and built in compliance with **ISO 14001**, the international standard which sets the basis for an effective environmental management system.

↳ **SIRES (Shaft Intelligent Revolutionary Elevator System)**

A concept based on **PESSRAL devices** with an electronically activated overspeed governor, electromechanical safety gear and absolute positioning that:

- Guarantees maximum safety of passengers.
- Allows automatic shaft learning, drastically reducing commissioning costs.

↳ We have achieved, with all these characteristics and through our advanced industrial production methodology, the launch of **a very competitive product**. This product not only will satisfy the highest technological requests, but it is also adapted to the strictest economical requirements that the market demands for this type of product.

What makes the difference

SIRES

SIRES introduces a new concept in elevation intelligence.

For the first time, Evolution® includes as standard SIRES (Shaft Intelligent Revolutionary Elevator System). The concept is based around a PESSRAL* device providing absolute positioning in the lift shaft using the latest magnetic tape technology.

SIRES provides continuous real-time information on the lift car's location in the shaft, precise to within less than 1mm. SIRES allows us to optimise electromagnetic devices and delivers many other benefits (see adjacent box).

ALEC (Automatic Learning Elevator Control)

- Through artificial intelligence the operating algorithm of the lift is constantly improving.
- Improves the detection of faults thanks to its artificial intelligence.
- SIL 3 safety rating.

* The PESSRAL system is designed for control, protection or monitoring based on one or more programmable electronic devices, including all elements of the system such as power supplies, sensors and other input devices, data highways and other communication paths, actuators and other output devices, used in safety related applications.

What does SIRES provide?

- ✓ Automatic shaft learning, drastically reducing installation costs.
- ✓ Installation & maintenance: faster, easier and more adaptable.
- ✓ Lift car location: always available in real time.
- ✓ Fault detection: made simpler by its advanced diagnostic capacities and the removal of outdated components.
- ✓ Covers various safety functions of the EN81-20 / 50 standard such as bottom limits, uncontrolled movement, overspeed control and triggering.
- ✓ It also covers other safety functions such as door area positioning for the emergency rescue control system.
- ✓ The PESSRAL device is silent and resistant to dust, smoke and humidity.

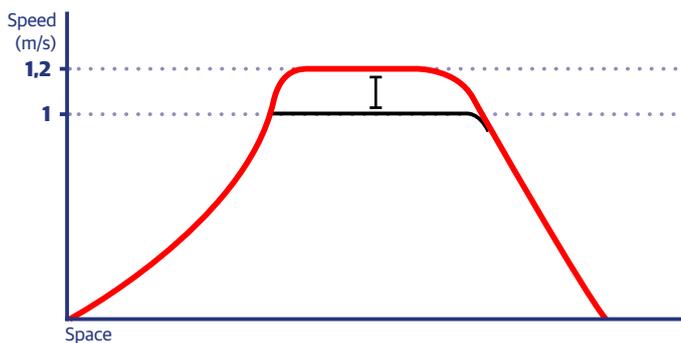
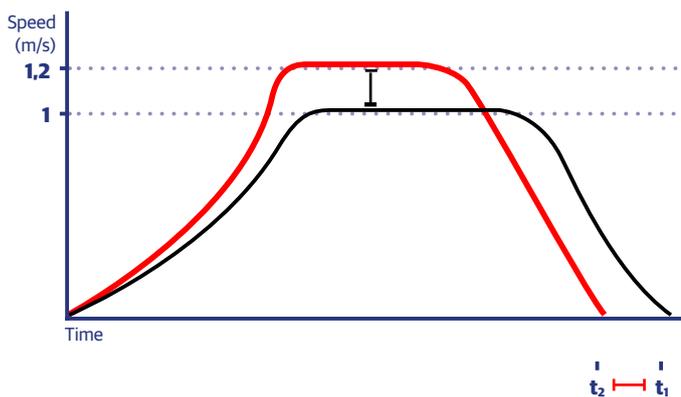


What makes the difference

Varispeed

Faster travel for optimum traffic management

For the first time as a standard feature, the **Evolution**® incorporates innovative **Varispeed** technology that allows the lift to travel faster, cut passengers' travel and waiting times and increase the building's lift traffic capacity.



Varispeed allows lifts to travel faster than their rated speed.*

When the weight of the lift car and counterweight are well balanced, depending on the number of passengers inside the lift car, the gearless machine may not require all of its power to move the lift at nominal speed. This unused power allows the lift to travel faster.**

* Certified for an exception to standards.

** Data always obtained with car load under 80% of its capacity.

Travel up to **20% faster**

Reduced energy consumption**

Reduction of waiting times*

Reduced travel time to destination*

* Based on traffic analysis during the late evening in a residential building with 24m travel, 9 floors and an occupation of 10 people per floor.

** Based on data collected of random traffic in a residential building over 6 floors with 15.5m travel.

What makes the difference

Energetic efficiency

Thanks to:

- GEARLESS (doesn't require lubricants)
- LED LIGHTING
- VARISPEED
- ALEC LEARNING
- STANDBY: is activated whenever the lift is not in use, and thanks to ALEC the reactivation only takes a couple of milliseconds, imperceptible for the user.
- DIRECT APPROACH SYSTEM.
- Designed and built in accordance with **ISO14001** that complies with an effective environmental management system.



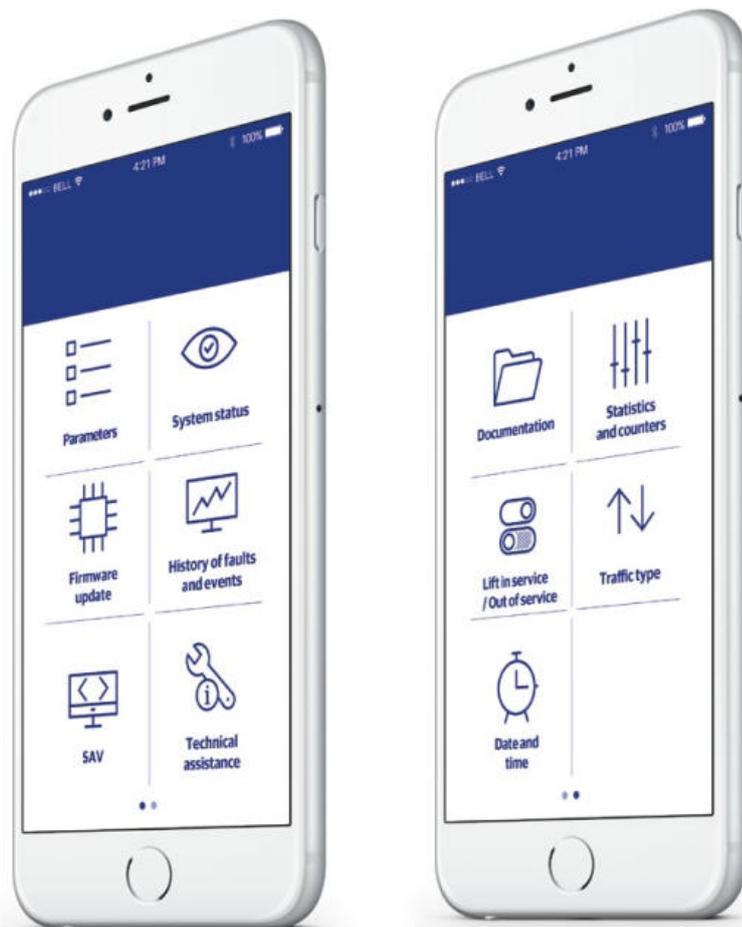


What makes the difference

App

New App designed by lift engineers for lift engineers to facilitate maintenance and technical support tasks.

- Online technical support.
- Automatic software updates.
- Free download.
- Possible to get connected on the spot with a special Wi-Fi device included as standard.



Available for



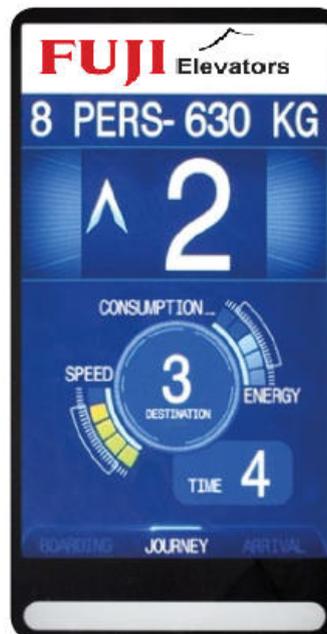
What makes the difference

Smartech

We have introduced as standard a new 7" car display, and also the option for landing doors indicators (7" display) with comprehensive information about the lift situation, trip, consumption, timings, arrival times, all up-to-date to ensure the best comfort for your trip.

Lift car Smartech display

- Lift availability before travel
- Smartech AutoTest Function
- Position & direction
- Destination floor & time remaining before arrival
- Speed
- Energy consumption
- Emergency light
- Date & time
- Load & passenger capacity



Landing Smartech HR display*

- Position & direction
- Welcome messages*
- Flashing LED display by the lift entrance
- Situation reports
- Lift arrival countdown
- Energy consumption
- Voice messages

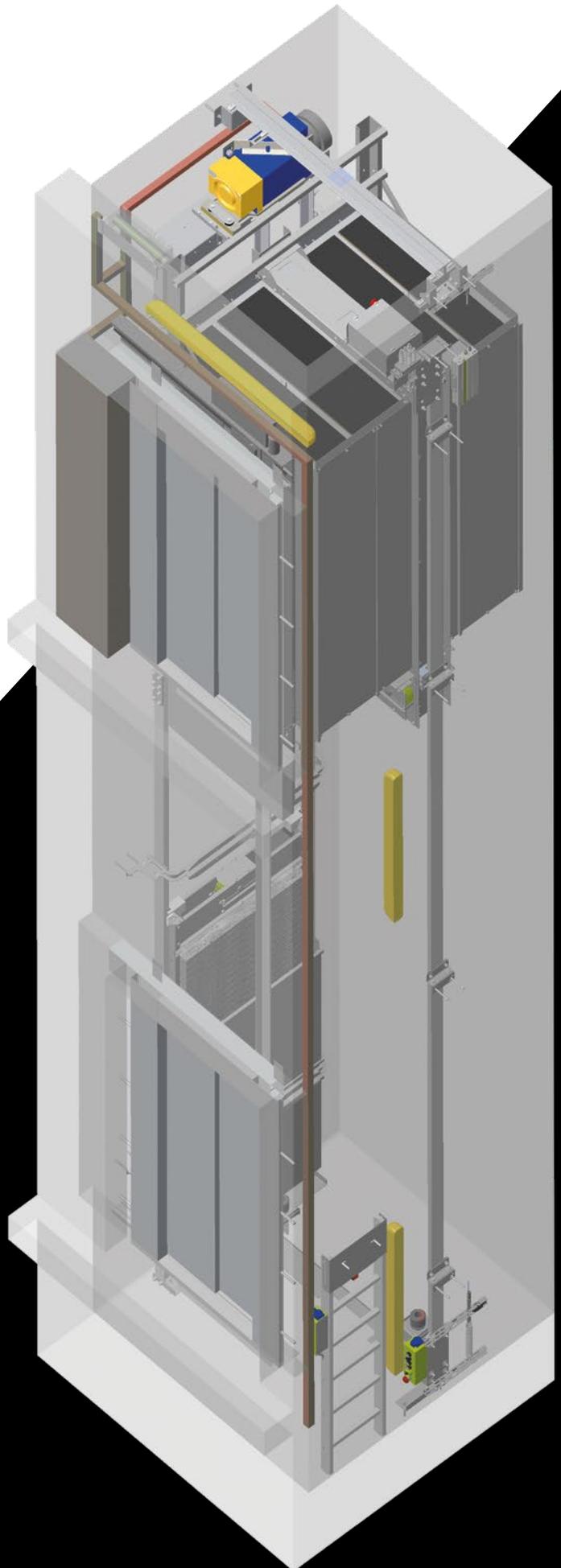


Optional:
VOICE SYNTHESISER

All the visual and acoustic messaging has been designed in full accordance with EN 81-70:2018 (Safety rules for the construction and installation of lifts. Particular applications for passenger and goods passenger lifts. Part 70: Accessibility to lifts for persons including persons with disability).

The Lift

This is a gearless, efficient, compact, easy to install, low weighted lift. The robust conventional underslung sling arrangement allows for excellent ride quality, together with the hard-wearing car, platform, flooring and ceilings. The traditional linkage bar mechanism has been replaced by a modern electrically triggered safety gear that provides a lower tripping speed. State-of-the-art electronic overspeed governor.



RATED LOAD · 450kg / 6 people

MAXIMUM SPEED · 1.2 m/s

MIN. HEADROOM · CH 2175mm · 3400

ROPING · 2:1

PIT · 1050

Entrances Angle	Car		Shaft		Door type (C/O)	
	Width (A)	Depth (B)	Width (C)	Depth (D)		
1/0°	950	1300	1450	1550	Side opening 2P 800 (AUGUSTA EVO)	
2/180°	950	1300	1450	1670		
1/0°	1000	1200	1500	1450		
2/180°	1000	1200	1500	1570		
1/0°	1000	1250	1500	1500		
2/180°	1000	1250	1500	1620		
1/0°	1000	1300	1500	1550		
2/180°	1000	1300	1500	1670		
1/0°	1050	1200	1550	1450		
2/180°	1050	1200	1550	1570		
1/0°	950	1300	1750	1520		Central 2P 800 (AUGUSTA EVO)
2/180°	950	1300	1750	1590		
1/0°	1000	1200	1750	1420		
2/180°	1000	1200	1750	1490		
1/0°	1000	1250	1750	1470		
2/180°	1000	1250	1750	1540		
1/0°	1000	1300	1750	1520		
2/180°	1000	1300	1750	1590		
1/0°	1050	1200	1750	1420		
2/180°	1050	1200	1750	1490		

RATED LOAD · 630kg / 8 people

MAXIMUM SPEED · 1.2 m/s

MIN. HEADROOM · CH 2175mm · 3400

ROPING · 2:1

PIT · 1050

Entrances Angle	Car		Shaft		Door type (C/O)	
	Width (A)	Depth (B)	Width (C)	Depth (D)		
1/0°	1050	1450	1550	1700	Side opening 2P 800 (AUGUSTA EVO)	
2/180°	1050	1450	1550	1820		
1/0°	1100	1400	1600	1650		
2/180°	1100	1400	1600	1770		
1/0°	1150	1350	1650	1600		
2/180°	1150	1350	1650	1720		
1/0°	1100	1400	1600	1650		
2/180°	1100	1400	1600	1845		
1/0°	1150	1350	1650	1600		Side opening 2H 900 (AUGUSTA EVO)
2/180°	1150	1350	1650	1720		
1/0°	1050	1450	1750	1670	Central 2P 800 (AUGUSTA EVO)	
2/180°	1050	1450	1750	1740		
1/0°	1100	1400	1750	1620		
2/180°	1100	1400	1750	1690		
1/0°	1150	1350	1750	1570		Central 2P 900 (AUGUSTA EVO)
2/180°	1150	1350	1750	1640		
1/0°	1100	1400	1925	1620		
2/180°	1100	1400	1925	1690		
1/0°	1150	1350	1925	1570	Central 2P 900 (AUGUSTA EVO)	
2/180°	1150	1350	1925	1640		

Operational ranges

Maximum travel

Up to 60 m (Maximum 15 floors)

Pit

Minimum: 1050 mm · Maximum: 1550 mm

Headroom

Minimum: 3400mm (CH 2175mm) and 3500 mm (CH 2275mm)

Shaft

Minimum width

Car width + 500 mm

Maximum width

Car width + 1100mm

With side opening doors and door sill completely in the shaft, add 75mm per opening side.

With central opening doors and door sill completely in the shaft, add 40mm per opening side.

Option for doors completely in the shaft.

Minimum depth

1200 mm

Maximum depth

1450 mm

Lift car

Minimum width

950 mm

Maximum width

1150 mm

Standard height

2175mm with 2000mm high doors (option for 2275mm with 2100mm high doors)

RATED LOAD · 750kg / 10 people

MAXIMUM SPEED · 1.2 m/s

RATED LOAD · 1000kg / 14 people

MAXIMUM SPEED · 1.2 m/s

MIN. HEADROOM · CH 2175mm · 3400

ROPING · 2:1

PIT · 1050

MIN. HEADROOM · CH 2175mm · 3400

ROPING · 2:1

Rated Load (kg)	Nº of people	Speed (m/s)	Entrances Nº/Angle	Car Size		Shaft Size		Pit	Headroom	Doors**	Machine Power/Current
				Width	Depth	Width	Depth*				
750	10		1/0°	1100	1600	1600	1875	1050	3400	2PSO 900	MINI 3-10-800 5,5kW / In= 13,2A
			2/180°			1600	2000			2PCO 900	
			1/0°			1950	1850			2PSO 900	
			2/180°			1950	1975			2PCO 900	
			1/0°	1300	1400	1800	1675			2PSO 900	
			2/180°			1800	1800			2PCO 900	
			1/0°			1950	1675			2PSO 900	
			2/180°			1950	1775			2PCO 900	
1000	13	1	1/0°	1100	2100	1600	2375	1050	3400	2PSO 900	MINI 4-10-1000 6,8kW / In= 16,8A
			2/180°			1600	2500			2PCO 900	
			1/0°			1950	2375			2PSO 1100	
			2/180°			1950	2475			2PCO 900	
			1/0°	1600	1400	2100	1675			2PSO 1100	
			2/180°			2100	1800			2PCO 900	
			1/0°			2100	1700			2PSO 900	
			2/180°			2125	1775			2PCO 900	
			1/0°	1400	1600	1900	1875			2PSO 900	
			2/180°			1900	1990			2PCO 900	
			1/0°			2000	1900			2PSO 900	
			2/180°			2125	1990			2PCO 900	

*Shaft depth dimensions consider landing doors 25mm inside the shaft

**Calculations made for SELCOM WITTUR HYDRA doors.

Counterweight safety gear not available for this model.

Door sill widths: Hydra 2PSO, 90 mm; Hydra 2PCO, 75mm.

Unless stated otherwise, all dimensions are expressed in millimetres.

Operational ranges

Shaft	Pit:	Standard minimum: 1050 mm Reduced minimum: 900mm (EN81-21)
	Headroom:	Standard minimum (2200 mm high car): 3400 mm Reduced minimum (2050 mm high car): 3250 mm
	Minimum width:	Car width + 500 mm
Car	Minimum width:	1000 mm
	Maximum width:	1650 mm
	Minimum depth:	1400 mm
	Maximum depth:	2100 mm
	Standard Height:	2200 mm



Click here for more information about this product
www.fujielevators.com.au

Standard Functions

- ✓ **Direct approach**
The lift approaches the floor with no intermediate speeds to stop gently at the floor level. The position of the car is calculated at all times without the need for magnets.
- ✓ **Maximum nº of calls**
Limited number of car calls registered.
Anti-vandal mode.
- ✓ **Multiple**
A group of up to 4 lifts can be controlled.
- ✓ **Limited out of service**
Allows a group of lifts to self-manage a singular lift with continuous faults and leave it out of service whilst other lifts handle calls.
- ✓ **Safety edge**
Safety edge according to EN81-20.
- ✓ **Self-diagnosing safety edge**
Autodiagnosis of the safety edge in which the door sensors are automatically checked.
- ✓ **Overload function**
The display gives a visual and audible indication to the users of overloading inside the car.
- ✓ **Emergency rescue**
Manual handwinding through the controlled opening of the brakes with an incorporated UPS.
- ✓ **Emergency ceiling light in car**
In the event of a power cut, an emergency light in the car operating panel illuminates in accordance with EN81-20.
- ✓ **Door closing push button**
This allows the time between stops to be shortened by means of a push button in the car that can be activated if there are car calls registered.
- ✓ **Nudge**
The doors close slowly in the event of a prolonged interruption of the safety edge, notifying the persons in the car visibly and/or acoustically.
- ✓ **Homing mode**
The lift car returns to the specified homing floor.
- ✓ **Fire control**
In the event of a fire, a control is activated that sends the lift to the fire emergency floor. If the lift is going away from the fire emergency floor, it will stop at the first possible stop and without opening the doors, it will return to the fire emergency floor. If the lift is going in the direction of the fire emergency floor, it will not stop until it arrives at that floor. This complies with EN81-73. When this is completed, it can return to normal operation.
- ✓ **Car light timer**
This allows you to set the time when the car light is turned off.
- ✓ **Car fan**
There is a timer to activate/deactivate the fan.
- ✓ **Service control keyswitch**
Only calls made from the car operating panel are registered.
- ✓ **Departure gong, ascending and descending tones - EN81-70 -**
Activates a sound with an ascending scale for ascent and a descending scale for descent.
- ✓ **Voice synthesiser**
This is a voice synthesiser that emits informative messages concerning the operation of the lift.

.....
For further options please contact our sales team.
.....

Design Options



Layer - Standard Inclusions

Evolution[®] Series

Layer evolution[®] Series lift cars are built with galvanised steel sheeting and clad with plastic laminates available in a wide range of colours or with stainless steel in a choice of different patterns.



In-car lighting: direct, using LED spotlights from either range.



Lift-car doors and front returns: finished in stainless steel.



Car operating panel: BCR1N model which includes the 7" TFT colour indicator.



Hard-wearing **car floors** available in a range of rubber finishes.



Handrails: finished in black steel or stainless steel as an option. Lift car is also available with handrails on all walls or without.



Mirror (optional): covering half of the back wall of the car.



Design in full accordance with 2014/33/EU Directive, EN 81-20:2014, EN 81-50:2014 and EN 81/70:2018.





Mute - Standard Inclusions

Evolution[®] Series

Mute evolution[®] Series lift cars are built with galvanised steel sheeting and clad with high-pressure laminates in a wide range of colours.

- ✔ **In-car lighting:** direct, using LED spotlights from either range.
- ✔ **Lift-car doors and front returns:** finished in stainless steel.
- ✔ **Car operating panel:** BCR2N model which includes the 7" TFT colour indicator.
- ✔ **Skirtings:** finished in black aluminum.
- ✔ Hard-wearing **car floors** available in a range of rubber finishes.
- ✔ **Handrails:** finished in black steel or stainless steel as an option. Lift car is also available with handrails on all walls or without.
- ✔ **Mirror** (optional): covering two-thirds of the car's back wall.
- ✔ Design in full accordance with 2014/33/EU Directive, EN 81-20:2014, EN 81-50:2014 and EN 81/70:2018.





Car wall panels - Standard Inclusions

Layer evolution® Series

Skinplate



PB10



PB15



PB20



PB25



PB30



PB35



PB40



PB45



PB50

Stainless steel



Stainless



Stainless Square



Stainless Waves

Mute Revolution® Series

High-pressure laminates



PM10



PM15



PM20



PM25



PM30



PM35



PM40



PM45



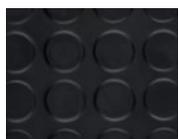
PM50



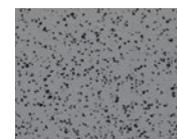
PM55

Flooring - Standard Inclusions

Rubber and Ceramic Tiles



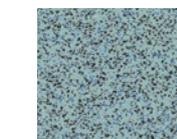
S45GN



S42GB



S101



S102

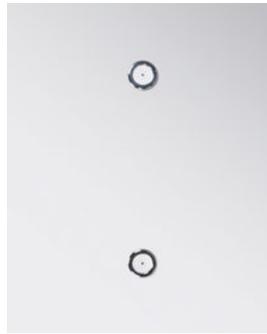
Handrails



PSR*

stainless steel handrail.

Lighting



LED Spotlights



Square LED spotlights

Car operating panels, landing push stations & indicators

Landing Push Stations



BER1*

BER2**

BER3***

*Push buttons installed directly in the door frame.

** Flush mounted on door frame.

*** Surface mounted on door frame.

Car Operating Panels



BCRIN

Landing indicators



FERV



Smartech HR indicator.
EN81-70 option: Includes for direction of travel arrow and gong.



HLER - Car doorjamb (EN81-70)

Car Push Buttons



DMG MACRO

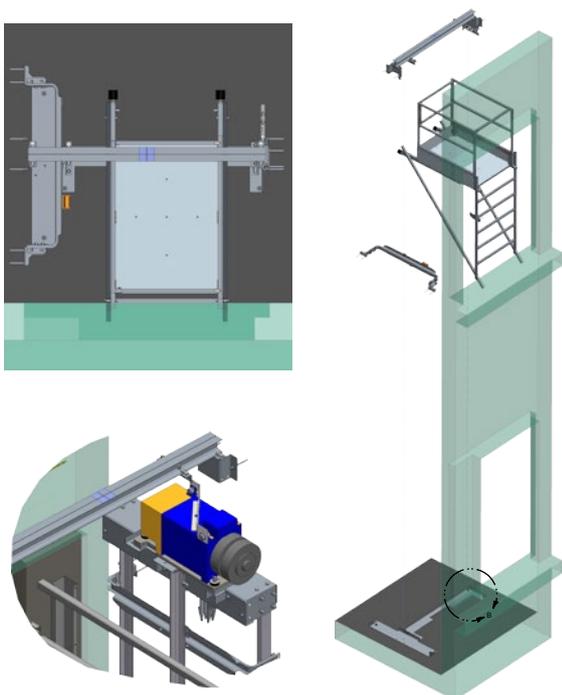
Stainless steel push-buttons with tactile legend and braille (EN81-70 compliant).

BCR2N

Installation, commissioning and maintenance

- This lift has been designed to be installed in **less than 100 hours** for a six stops lift.
- Evolution® is the result of improving assembly processes based on 50 years of experience, not only as a factory, but by **taking advantage of our experience as installers**.
- Together with the lift and its components, we provide our customers with all the **assembly tools and the most complete and detailed technical information**, as well as a step-by-step manual for its installation.
- From the customer's work data collection, the control is supplied with the **distance between floors preset**, so only a fine adjustment on site is necessary.
- The **zero encoder is preset at the factory**.
- Car assembly from the inside and can be done by a **single person**, thanks to the pre-assembly of some pieces.
- The packaging is designed to facilitate the work of installation personnel, and save time. **All the lift components and parts are clearly identified and organised** according to their place in the installation sequence.
- Plug & Play: Our electrical packages are supplied **pre-tested and pre-wired** to the specific gearless machine that is shipped with the lift.
- Permanent technical **support service**.
- **Spare parts** guaranteed.
- **Average lead time of 4 weeks** once order is confirmed.

Installation main advantages



- **Installation tools on request:**
 - Guides starting base.
 - Machine lifting tool
 - Plumb line fixings
 - Lifting car kit
 - Lifting and maintenance beam.
- **Quick spin machine encoder set at the factory**
- **Distance between floors preset at the factory**
- **Integrated safety parts and functions**
- **The following components are integrated into the SIRES system so it no longer need to be installed:**
 - Overspeed Governor
 - Limit switches
 - Slowing limit switches
 - Inspection limit switches
 - Magnets
 - Door zone sensors
 - UCM systems



Product updates

www.fujielevatorsaustralia.com.au

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