




CEDAS MICROLIFT (Service Lift)

MICROLIFT

Microlift is a high-performance lift, specifically designed for the vertical transport of foodstuffs, prepared dishes, bottles, glassware and other relatively small loads typical in restaurants, cafeterias, shops and businesses with a rapid turnaround of sales and stock.

- Available with rated loads of 50 or 100Kg.
- Top-quality finishes, very hardwearing.
- Safe and reliable.
- Perfect levelling at every stop guarantees trouble-free loading and unloading.
- Wide range of car sizes.
- Optimum use of space.
- Energy-efficient and environmentally-friendly.
- Fast and easy installation: assembly, inspection and start-up takes a **Microlift** technician no more than one working day.
- Flexible: available with a single, double or triple entrance configuration and can be installed with reduced pit depth and headroom clearance (for more information, see tables on P10).
- Non-standard sizes available on request.





Microlift is ideal for the transport of loads of up to 100Kg - and significantly speeds up the flow of merchandise in any business.

Guaranteed quality from a prestige firm

Microlift is a lift that is designed and manufactured, from start to finish, by **CEDAS**, an acknowledged leader in the sector, with lifts in operation in over 65 countries across five continents and recognised world-wide for their high quality, reliability, safety and durability.

Microlift comes with the high standards of production, performance and service for which **CEDAS** has become rightly famous:

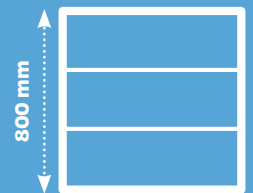
- As manufacturer, **CEDAS** offers our customers direct technical support, both mechanical and electrical: there are no intermediaries.
- Brand-new spare parts are instantly available to be sent anywhere in the world.
- **Microlift** comes with a three-year mechanical guarantee.
- The lift is supplied with its electrical system already fully wired up and tested, ruling out error and making installation faster and easier.
- **Microlift** supplied with a comprehensive installation manual, an operation and maintenance manual and all the detailed documentation necessary.
- If required, **CEDAS** can design and manufacture service lifts to suit non-standard dimensions.



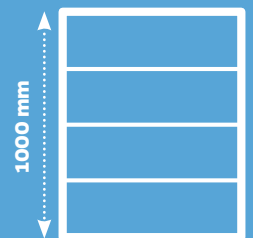
Straightforward and multipurpose

- **Microlift** provides a safe, efficient and easy way to transport small loads of any kind, and improves employees' working conditions by reducing their heavy lifting, thereby saving both time and money.
- The lift car can be fitted with a maximum of four removable stain-less-steel shelves, depending on the unit height required for effective and efficient service. (See Fig.1)
- The **Microlift** is entirely built with non-pollutant materials and components, and its operation generates no waste whatsoever.
- The car, shelves, doors and structure of the **Microlift** are very easy to clean, making it simple to maintain the highest standards of hygiene.
- Compatible with the use of standard food cleaners.
- The **Microlift** is designed exclusively for the transport of goods and is in full compliance with the 2006/42/EC Machinery Directive.

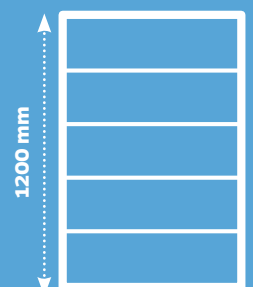
Shelving kit (Fig.1)



**Two shelves -
Three loading spaces**



**Three shelves -
Four loading spaces**



**Four shelves -
Five loading spaces**



No machine room

The **Microlift** does not require a machine room. The traction drive unit is located within the uppermost part of the lift support structure.

The control cabinet can be installed wherever it is most convenient for the client:

- Within the support structure: either in the pit or the headroom space.
- Outside the support structure, fixed to the shaft perimeter.

Optimum safety

- Complies with the 2006/42/EC Machine Directive.
- Complies with the 2014/30/UE Electromagnetic Compatibility Directive.
- Built and installed in full accordance with EN 81-3:2000+A1:2008: Safety rules for the construction and installation of lifts; Part 3: Electric and hydraulic service lifts*.

** In some configurations, the lift does not comply with this standard: where the lift is fitted with fire doors or is accessible to the public, for example. In case of non-standard configurations, check compliance with the rules.*

Modular-assembly support structure

The **Microlift** comes with its own modular support structure that can be installed in any suitable internal space which allows the lift to serve different floors in the building as required. The shaft space must be closed off to prevent any unauthorised access.

- Pit and headroom space available within the support structure.
- The **Microlift** support structure is robust and hardwearing, with high-quality finishes.
- Minimum shaft space required - maximising lift car size and capacity.
- Lift car travel can be up to 18.5 metres (60.7 feet), with 7 stops.
- Installing the structure is fast and straightforward.

Standard specifications

<i>Traction system</i>	Gear or drum gear
<i>Drive type</i>	Electronic and variable-frequency, which reduces energy consumption and maximises stopping accuracy
<i>Speed</i>	0.29m/s (drum gear) 0.35m/s (gear)
<i>Load capacity</i>	50 or 100Kg
<i>Entrance configuration</i>	Single, double at 90° or 180°, or triple.
<i>Maximum travel</i>	7.5m (drum gear) 18.5m (gear)
<i>Maximum no. of stops</i>	7
<i>Power</i>	0.75-1.1kW, depending on configuration.
<i>Voltage</i>	220V (AC) - single-phase 220, 380 or 415V - three-phase
<i>Internal car height</i>	800, 1000 or 1200mm
<i>Car width</i>	50Kg car: 320-720mm 100Kg car: 620-1000mm
<i>Car depth</i>	50Kg car: 520-820mm 100Kg car: 620-1000mm
<i>Headroom, with openings on sides A and C (HR = SH + CH + 755mm; SH = 800mm)</i>	50Kg car: 2355-2555mm 100Kg car: 2355-2755mm
<i>Headroom, with opening on side B (HR = SH + CH + 1215mm; SH = 800mm)</i>	50 & 100Kg cars: 2815-3115mm
<i>Serving height (SH)</i>	700, 800 or 900mm
<i>Minimum shaft width required (where car width is over 223mm)</i>	50Kg car: 543-943mm 100Kg car: 843-1223mm
<i>Minimum shaft depth required (where car depth is over 275mm)</i>	50Kg car: 810-1110mm 100Kg car: 910-1223mm
<i>Door opening width (where car width is less than 700mm)</i>	50Kg car: 250-650mm 100Kg car: 550-930mm
<i>Door opening height</i>	50Kg car: 800-1000mm 100Kg car: 800-1200mm



Manually-operated landing doors

- Vertical bi-parting shutters: epoxy finish / galvanised / stainless steel
- Outswinging: epoxy finish / galvanised / stainless steel

Car finishes can be chosen to suit customer requirements

Internal metal structure is available in galvanised steel

Call-and-send control system

Call-and-send push-button controls at every landing

LED car-position display

Buzzer signals lift arrival

Open-door indicator signal

Bedplate

Roping: 2 ropes

Lift car guide rails: 5m

Counterweight guide rails: 5m (gear)

Counterweight (gear)

Additional options

Obligatory for compliance with EN 81-3 Safety Rules

- Technical report
- Detailed installation plan (incl. reaction force tolerances)
- CE marking
- Pit lighting
- Machine-room lighting
- Machine-room hatchway
- Machine-room power socket
- Pit power socket
- Lift car palm-button
- Palm button in pit
- Palm button in machine room
- User protection kit (double openings at 90° & 180°)
- Safety kit for working in shaft (protective equipment)
- Safety chain kit for use while working in shaft
- Slack rope device (with worm drive)
- Rope control system (with drum drive)

Landing doors

Landing doors in non-standard dimensions according to customer requirements.

Electronic control system

Can include special features, if required.

Lift car

Cars in non-standard dimensions, if required.

Shaft lighting

In the pit and at the top of the shaft.

In-car lighting

Using energy-saving LED fittings.

Others

- Vertical Bi parting car door
- Circuit protection box
- Installation tools
- Maintenance equipment:
 - Inspection station
- Infrared heating system
- Intercom
- Shelving kit (*see P4, Fig.1*)
- Extra shelving
- Out-of-service key-switch
- Car lighting timer
- Programmed car returns
- Vertical 3-inch LCD landing display
- Control cabinet lighting
- Batteries for rescue control system



So – how soon
do you want it?

If you urgently need help from a **Microlift**,
we have excellent news for you.

Installing a **Microlift** could hardly be any
quicker: **it only takes a qualified technician
8 hours to get it up and running** – causing
minimum disruption of the day-to-day
running of your business.

**Ready to work hard,
and in record time.**

☰ RATED LOAD • 50kg

⚙️ ROPING RATIO • 1:1

⬆️⬆️ STRUCTURE: MAX. HEIGHT • 21m

Dimensions Car			Dimensions Rise-&-fall shutters		Dimensions Shaft (minimums)		Dimensions Standard headroom		Drive system options	
Width CW	Depth CD	Height CH	Landing opening width LOW =CW-70	Landin opening height LOH =CH	Width SW =CW+223	Depth SD =CD+275	With openings A & C Where SH = 800 =SH+CH+755	With opening B Where SH = 800 =SH+CH+1215	Drum	Counterweight
320	520	800	250	800	543	795	2355	2815		N.A.
420	520	800	350	800	643	795	2355	2815		N.A.
520	520	800	450	800	743	795	2355	2815		
520	520	1000	450	1000	743	795	2555	3015		
520	620	800	450	800	743	895	2355	2815		
520	720	800	450	800	743	995	2355	2815		
520	720	1000	450	1000	743	995	2555	3015		
620	620	800	550	800	843	895	2355	2815		
620	620	1000	550	1000	843	895	2555	3015		
620	720	800	550	800	843	995	2355	2815		
620	820	800	550	800	843	1095	2355	2815		
720	720	800	650	800	943	995	2355	2815		
720	720	1000	650	1000	943	995	2555	3015		
720	820	800	650	800	943	1095	2355	2815		
720	820	1000	650	1000	943	1095	2555	3015		

1.10kW;
Drum
 D=210mm
 F=150kg
 S=0.29 m/s
 TDmax=7250mm

0.75kW;
Sheave
 D=260mm
 F=85kg
 S=0.35m/s
 TDmax=18500mm

☰ RATED LOAD • 100kg

⚙️ ROPING RATIO • 1:1

⬆️⬆️ STRUCTURE: MAX. HEIGHT • 21m

Dimensions Car			Dimensions Rise-&-fall shutters		Dimensions Shaft (minimums)		Dimensions Standard headroom		Drive system options	
Width CW	Depth CD	Height CH	Landing opening width LOW =CW-70	Landin opening height LOH =CH	Width SW =CW+223	Depth SD =CD+275	With openings A & C Where SH = 800 =SH+CH+755	With opening B Where SH = 800 =SH+CH+1215	Drum	Counterweight
620	620	800	550	800	843	895	2355	2815		
620	620	1000	550	1000	843	895	2555	3015		
620	720	800	550	800	843	995	2355	2815		
620	820	800	550	800	843	1095	2355	2815		
720	720	800	650	800	943	995	2355	2815		
720	720	1000	650	1000	943	995	2555	3015		
720	820	800	650	800	943	1095	2355	2815		
720	820	1000	650	1000	943	1095	2555	3015		
820	820	800	750	800	1043	1095	2355	2815		
820	820	1000	750	1000	1043	1095	2555	3015		
820	820	1200	750	1200	1043	1095	2755	3215		
1000	1000	1200	930	1200	1223	1275	2755	3215		

NA

ITG 090
 1.10kW
Sheave
 D=260mm
 F=150kg
 S=0.35m/s
 TDmax=18500mm

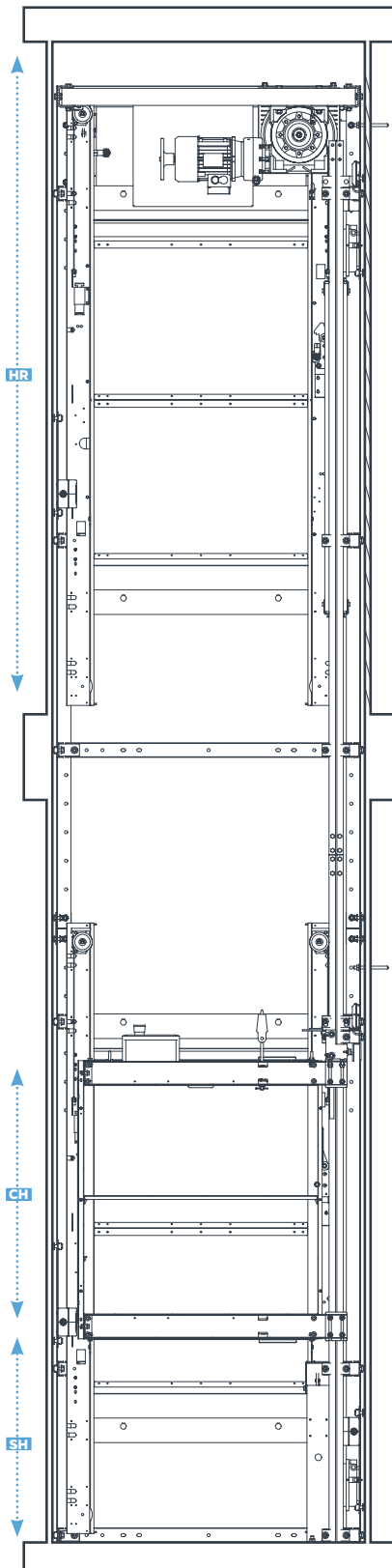
NOTES

Unless otherwise stated, all dimensions are expressed in millimetres.
 SH available between 700 and 900mm (compliant with EN 81-3).
 Any dimensions not cited are available on request.

ABBREVIATIONS

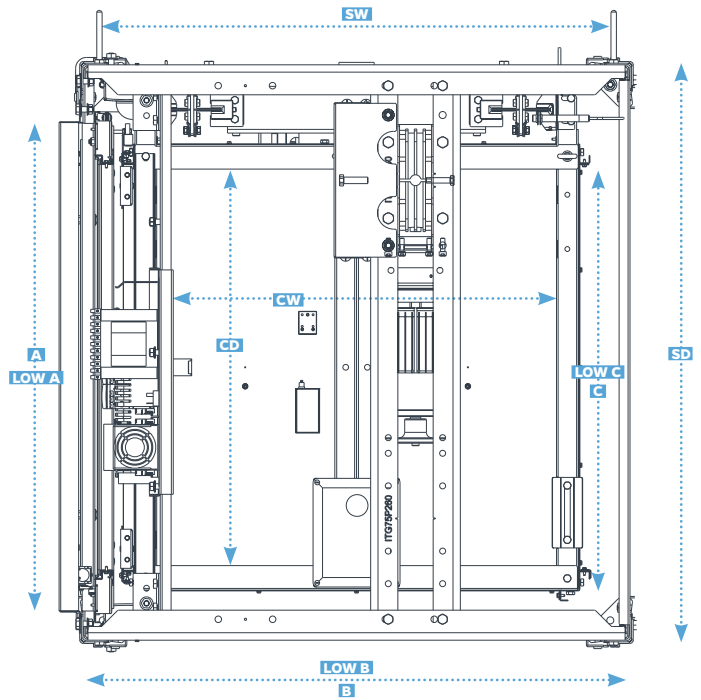
CD = car depth; CH = car height; CW = car width; D = diameter; F = force; LOH = landing opening height; LOW = landing opening width; N/A = not applicable; S = speed; SD = shaft depth; SH = serving height; SW = shaft width; TDmax = max. travel distance.

LIFT SYSTEM ELEVATION



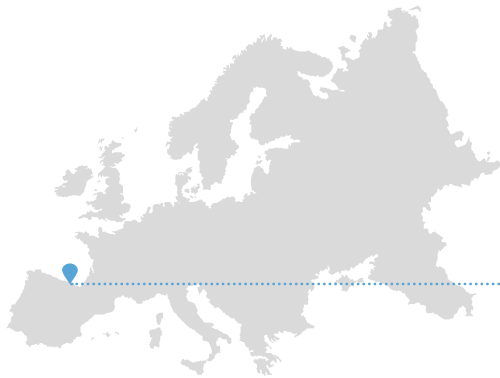
SERVING ENTRANCES PLAN

Any configuration of the three entrances openings (A, B and C) is available at any of these seven (maximum) stops and with any of the dimensions which appear in the diagram.





Designed and manufactured in U.A.E With Italian Mechanical Components



- ✓ All the products we design are produced entirely in-house in our own factory – ever since 2011.
- ✓ Meeting all the European quality standards.
- ✓ Particularly regarding safety, sustainability and environmental care.

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