



Microfreight[®]

THE INDUSTRIAL FREIGHT LIFT

*Strong and reliable solution for moving
goods only or goods with an attendant.*



DALDOSS
PASSENGER & GOODS LIFTS



“Discover the Daldoss world”



Let us think for a moment of the space around us, in all of its three dimensions. Now let us imagine a man moving freely within this space. In two dimensions he will be completely self-sufficient in his movements as his legs will take him wherever he likes. But if he wants to tackle the third dimension, he'll need to hang onto a rope, dangle from a balloon or... use a lift.

DALDOSS conquers the third dimensions.

Applications



Microfreight is the ideal solution for industrial and commercial applications

Microfreight[®] The industrial freight lift

Microfreight range is composed by two product lines, **Microfreight Classic** for goods only and **Microfreight Plus**, with car operation panel, for goods with an attendant. Rated load from 500 to 1500 kg (1400 kg for Microfreight Plus), always supplied with structure supported frame which enables it to be installed virtually everywhere. Especially suitable for transporting goods between floors.

Microfreight range is available in different models offering a wide choice of car sizes. All the models operate inside a rapidly erected structure supported frame baked enamel RAL 7038. Landing doors, single or double hinged, are finished in baked

enamel RAL colours (RAL 7038 as standard), or in stainless steel AISI 304. The landing push button station is fitted with "lift arrival", "lift occupied" and "lift position" indicators. Constant pressure push button control in the car and automatic operation at landing for **Microfreight Plus** model.

Microfreight range can travel up to a maximum 15 meters and up to two entrances can be fitted on each floor. Thanks to the reliable electronic 3-phase control, efficient motor with high quality reduction gearbox and electromagnetic disk brake with flywheel for emergency operation, the functioning is extremely quiet and safe in any type of installation

The experience and know-how acquired from over 60 years in the lift industry operating in the most important market worldwide, has led to Daldoss developing a highly modern range of elevators which features cutting edge space-saving technology with a pleasing aesthetical design. **Microfreight** is designed to offer the simplest, quickest, most economical and reliable solution to heavy lifting problems, also for goods with an attendant, in warehouses, industries, supermarkets, shops and any other environment in which it is necessary to move pallets, loads, trolley, containers, etc.



MICROFREIGHT CLASSIC

The industrial freight lift for goods only

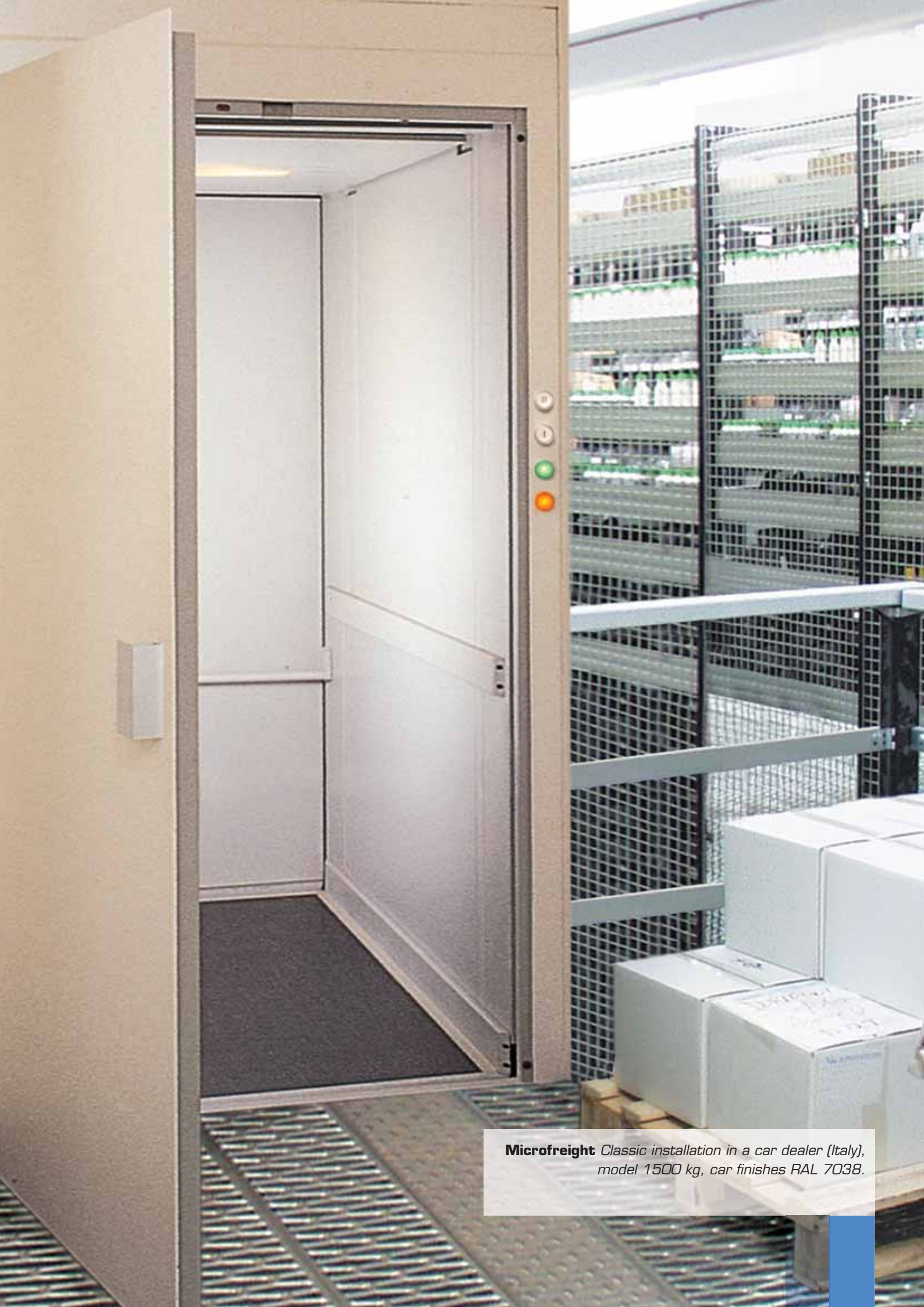


Index

IV	The other Daldoss products.....	20
III	Overall dimensions.....	16
II	Technical characteristics.....	14
I	Standard and optional finishes.....	12
	Typical Microfreight Classic applications.....	10
	Typical Microfreight Plus applications.....	8

MICROFREIGHT PLUS

The industrial freight lift for goods with an attendant



Microfreight *Classic installation in a car dealer (Italy),
model 1500 kg, car finishes RAL 7038.*

Microfreight Classic installation in a warehouse (The Netherlands), model 1000 kg, double hinged door with window, standard finishes RAL 7038.



Microfreight Classic installation in a warehouse (UK), model 1000 kg, standard finishes RAL 7038, with ramp. Ideal solution also for transporting goods with trolleys.



Typical applications



Microfreight® Classic

All **Microfreight** models operate inside a rapidly erected structure supported frame, which makes installation simple with minimal builder's work. **Microfreight** are usually available with short lead time and, subject to builder's work, can be installed and working within a few days.



Installation in a warehouse (The Netherlands), model 1500 kg with standard RAL 7038 finishes.



Installation in a shopping centre (France), model 1000 kg, double hinged door; waterproof push button.



Installation in a show room (Italy), model 500 kg, double hinged door; standard finishes.



Installation in a car factory (UK), model 1000 kg, standard finishes and bump rail.



Norms and regulations

- Machinery Directive 2006/42/CE
- Electromagnetic Compatibility 2004/108/CE
- Directive EN 81.31

Microfreight Classic technical data

Standard	
Drive unit	3-phase electric motor with auxiliary brake for avoiding uncontrolled movements of the car and flywheel for emergency operation.
Power	3 kW.
Operation	Fully automatic.
Rated load	500-750-1000-1500 kg.
Speed	0,19 m/s (500-750-1000 kg) - 0,13 m/s (1500 kg).
Stops	Up to 5 in standard configurations.
Travel	Up to 15 meters (for higher travel feasibility to be checked).
Car	Constructed from mild steel sheeting baked enamel RAL 7038 (standard), or with Daldoss RAL colour range, or in stainless steel AISI 304 (optional). Vinyl covered floor. Ceiling lighting fixture.
Entrances	Up to 2 entrances for each floor, in line or opposite.
Landing doors	Manual single or double hinged. Mechanical door lock with electrical striker. Finished in baked enamel RAL 7038 (standard), or with Daldoss RAL colours range, or in stainless steel AISI 304 (optional).
Landing push button station	"Lift arrival" and "lift occupied" indicators are fitted at each entrance. Emergency STOP push button. Push buttons IP65.
Various	Machine room cabinet.

Optional	
Drive unit	Flight timer, phase relay, VVVF speed regulator.
Car	Manual collapsible car gate, drop bar to secure load, bump rails, car made in stainless steel AISI 304.
Landing doors	With wired glass window. Fire rated EI 60 - EI 120.
Landing push button station	Key switch to activate push button, intercom system.
Various	Custom-built lifts, machine room cabinet installed at any floor, structure supported frame cladding finished in steel sheet, modular type.

Typical applications



Microfreight® Plus

The modularity of components parts facilitates the installations of **Microfreight** in any type of building. An opening through each floor, an electrical power supply and shaft enclosure in harmony with the interior design is all that is required to have **Microfreight** quickly installed both in existing and new buildings.



*Installation in an appliance factory
(The Netherlands), model 1500 kg,
double hinged door; waterproof push button,
standard RAL 7038 finishes.*



*Installation in a car dealer (Italy),
model 1000 kg, two entrances
with double hinged door.*



*Installation in a sports centre
(The Netherlands), model 1000 kg,
special red coloured finish
(different colours available).*



*Installation in a warehouse (Italy),
model 500 kg, single hinged door;
standard RAL 7038 finishes.*



Spaces and costs saving

Microfreight, thanks to its structure supported frame and the reduced dimensions of pit and headroom, has been designed to reduced to a minimum the space occupied by the shaft, saving valuable floor space in the building. No load-bearing lift shaft is required. The low motor power of **Microfreight** allows reduced energy consumption and the strength of components guarantee a safer, reliable and solid product. Thanks to the quality of the products, due to first class materials, brake downs are reduced to the minimum.

Microfreight Plus technical data

Standard	
Drive Unit	3-phase electric motor with auxiliary brake for avoiding uncontrolled movements of the car and flywheel for emergency operation.
Power	3 kW.
Operation	Automatic at floors. Constant pressure push button control in the car.
Rated load	500-750-1000-1400 kg.
Speed	0,13 m/s.
Stops	Up to 5 in standard configurations.
Travel	Up to 15 meters (for higher travel feasibility to be checked).
Car	Constructed from mild steel sheeting baked enamel RAL 7038 (standard), or with Daldoss RAL colour range, or in stainless steel AISI 304 (optional). Vinyl covered floor. Ceiling lighting fixture. Overload device with ring bell. Bump rails. Access protected by full height curtain photocell cat. 2.
Car operation panel	With constant pressure push button. Key switch (ON/OFF positions) to enable car push button and to disable landing push buttons. Emergency STOP push button.
Entrances	Up to 2 entrances for each floor, in line or opposite.
Landing doors	Manual single or double hinged. Mechanical door lock with electrical striker. Finished in baked enamel RAL 7038 (standard), or with Daldoss RAL colours range or in stainless steel AISI 304 (optional). Internal closure handle. Bottom floor landing doors with manual reset contact.
Landing push button station	"Lift arrival" and "lift occupied" indicators are fitted at each entrance. Emergency STOP push button. Push buttons IP65. Intercom system.
Various	Machine room cabinet.

Optional	
Drive unit	Flight timer, phase relay.
Car	Made in stainless steel AISI 304.
Landing doors	With wired glass window. Fire rated EI 60 - EI 120.
Landing push button station	Key switch to activate push button.
Various	Custom-built lifts, machine room cabinet installed at any floor, structure supported frame cladding finished in sheet steel, modular type.

Standard and optional finishes



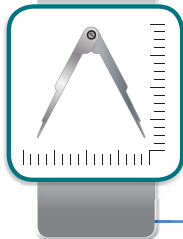
Customization of the lift

Microfreight has been designed and built with extreme attention to quality and strength of materials, for ensuring maximum durability and minimizing maintenance and running costs.

Standard finishes

Motor drive unit located at bottom floor and fitted on the side of the lift	Machine room cabinet	Single hinged landing door baked enamel RAL 7038 (*)	Double hinged landing door baked enamel RAL 7038 (*)
			
(*) Daldoss RAL colours range or door in satin stainless steel AISI 304 available on request.			





Landing door internal closure handle (Microfreight Plus only)	Bump rail (optional for Microfreight Classic)	Landing push button station (push buttons IP65)	Car operation panel (Microfreight Plus only)
			



Customized features

Microfreight range has a wide range of finishes and optional and can be customized by installing accessories to further increase safety and functioning of the lift, e.g.: flight timer, VVVF speed regulator, etc.

Optional finishes

Drop bar to secure load (Microfreight Classic only)	Manual collapsible car gate (Microfreight Classic only)	Intercom system	Landing door window with wired glass.
			

Standard colours and materials




Baked enamel pearl grey
RAL 7038




Satin stainless steel
AISI 304 grain 320

Technical characteristics



Always equipped with structure supported frame for indoor installations

Microfreight®

Technical data	
Drive system	Traction type.
Rated load	Microfreight Classic: 500-750-1000-1500 kg. Microfreight Plus: 500-750-1000-1400 kg.
Installation	Always with structure supported frame.
Operation	Microfreight Classic fully automatic. Microfreight Plus automatic - constant pressure push button in the car.
Stop	Up to 5.
Travel	Up to 15 meters.
Speed	Microfreight Classic: 0,19 m/s (500-750-1000 kg) - 0,13 m/s (1500 kg). Microfreight Plus: 0,13 m/s.
Power supply	3-phase.
Motor power	3 kW.

Operation

The electric operation guarantees optimum performance and extremely low noise production. Microprocessor controlled operation is a further guarantee of performance. A pit of 150 mm, reduced headroom and standard structure supported frame reduce builder's work for installation to the minimum.

Quality

Intelligent and modern management, maximum product standardization, highly automated production and the adoption of avant-garde technology enable Daldoss to guarantee constant compliance to the standards provided for by UNI EN ISO 9001:2008 Company Certification.

Safety features

Microfreight fully complies to the Machinery Directive 2006/42/EC and obtained the Type Examination Certificate released by the Notified Body Liftinstituut. Daldoss is able to supply various safety equipment to comply with different national and international standards and regulations.

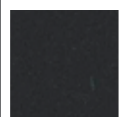
Daldoss RAL colours range *(Complete RAL colours range available on request, as optional)*



Greyish aluminium RAL 9007
baked enamel



Rust 56RD 3112
baked enamel



Intense black RAL 9005
baked enamel



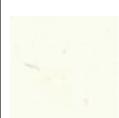
Micaceous anthracite 5620 2503
baked enamel



Light ivory RAL 1015
baked enamel



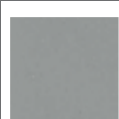
Brilliant aluminium RAL 9006
baked enamel



Cream white RAL 9001
baked enamel



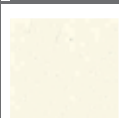
Window grey RAL 7040
baked enamel



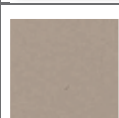
Stone grey RAL 7030
baked enamel



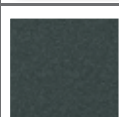
Pure white RAL 9010
baked enamel



Pearl white RAL 1013
baked enamel



Beige RAL 1019
baked enamel



Anthracite grey RAL 7016
baked enamel



Technical characteristics



Overall dimensions

Table of dimensions - Microfreight Classic

Model	Rated load	Cabina (mm)				Shaft (mm)		Landing door (mm)	
	Kg	CW	CD1A*	CD2A*	CH	SW	SD	DW	DH
B	500	1060	1280	1310	2000	1550	1450	1010	2000
B	750	1060	1280	1310	2000	1550	1450	1010	2000
B	1000	1060	1280	1310	2000	1550	1450	1010	2000
EU	500	1360	1280	1310	2000	1850	1450	1310	2000
EU	750	1360	1280	1310	2000	1850	1450	1310	2000
EU	1000	1360	1280	1310	2000	1850	1450	1310	2000
S	750	1060	1780	1810	2000	1550	1950	1010	2000
S	1000	1060	1780	1810	2000	1550	1950	1010	2000
D	1000	1460	1480	1510	2000	1950	1650	1410	2000
D	1500	1460	1480	1510	2000	1950	1650	1410	2000
DS	1000	1460	1780	1810	2000	1950	1950	1410	2000
DS	1500	1460	1780	1810	2000	1950	1950	1410	2000
XDS	750	1460	2180	2210	2000	1950	2350	1410	2000

Table of dimensions - Microfreight Plus

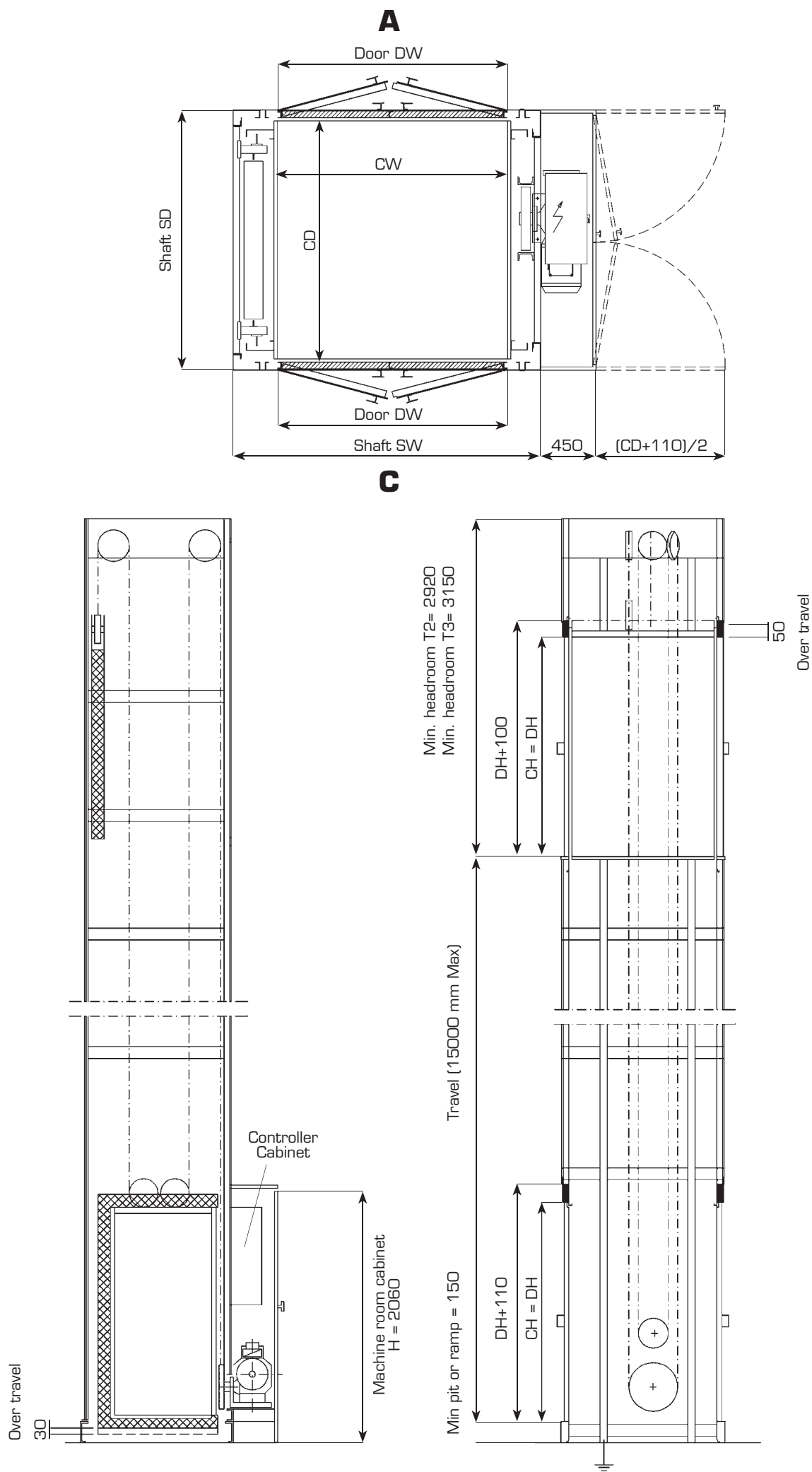
Model	Rated load	Cabina (mm)				Shaft (mm)		Landing door (mm)	
		CW	CD1A*	CD2A*	CH	SW	SD	DW	DH
B	500	1060	1280	1310	2000	1550	1450	1010	2000
B	750	1060	1280	1310	2000	1550	1450	1010	2000
B	1000	1060	1280	1310	2000	1550	1450	1010	2000
EU	500	1360	1280	1310	2000	1850	1450	1310	2000
EU	750	1360	1280	1310	2000	1850	1450	1310	2000
EU	1000	1360	1280	1310	2000	1850	1450	1310	2000
S	750	1060	1780	1810	2000	1550	1950	1010	2000
S	1000	1060	1780	1810	2000	1550	1950	1010	2000
D	1000	1460	1480	1510	2000	1950	1650	1410	2000
D	1400	1460	1480	1510	2000	1950	1650	1410	2000
DS	1000	1460	1780	1810	2000	1950	1950	1410	2000
DS	1400	1460	1780	1810	2000	1950	1950	1410	2000
XDS	750	1460	2180	2210	2000	1950	2350	1410	2000

CD 1A* = 1 entrance excluding drop bar or collapsible car gate (Microfreight Classic) or full height curtain photocell (Microfreight Plus)

CD 2A* = 2 entrances excluding drop bar or collapsible car gate (Microfreight Classic) or full height curtain photocell (Microfreight Plus)

SW** = Add 450 mm, only with machine room cabinet located in the side of the pit.

Daldoss is continuously developing and improving the Microfreight range and reserves the right to alter specifications and dimensions without prior notice.





Microfreight *Plus* installation in a sports centre
(The Netherlands), model 1000 kg,
special red coloured finish.

Microfreight Classic installation in a warehouse (UK).
Model 750 kg, double hinged landing door;
standard finishes. The ideal solution also for
transporting goods with trolleys.



Microfreight Classic installation in a warehouse
(Italy). Model 1000 kg, double hinged door;
RAL 7038 finishes.

The other Daldoss products



A complete range of lifts for the vertical transport of goods and people

Daldoss can solve any problem in the vertical transport, thanks to its wide range of products, which are able to give the right solution both in residential and commercial applications. Daldoss now operates worldwide thanks to its distributors and partners, which guarantee an excellent after sale and maintenance service

with the highest quality levels. In addition to our employees, Daldoss makes use of many high level technical collaborations both with experts from research institutes and universities. Since the Company was launched, more than 150,000 units have been built and sold around the world.

Microlift®

The most versatile range of small electric service lifts, for goods only; with capacity ranging from 24 to 300 kg. Always with structure supported frame. It can be installed anywhere thanks to the modularity of the project. A wide range of options available. The best solution to move goods between floors in hotels, pubs, restaurants, clubs, offices, companies, warehouses and shops.



Level® - Level® Map - Level® Plus

A complete range of platform lifts with capacity of 250, 300 and 500 kg. Available also with automatic control both in the car and at floors. Available with 100 mm pit, 2500 mm headroom and with optional structure supported frame both for indoor or outdoor applications.

The ideal solution for one family houses and residences, especially in presence of elderly and persons with impaired mobility.



Easylife®

The compact hydraulic passenger lift mainly for residential buildings with capacity ranging from 180 kg to 550 kg and speed up to 0.5 m/sec. Available also with 200 mm pit, 2600 mm headroom and with structure supported frame both for internal and external applications. Lift can be equipped with automatic or semiautomatic doors, an ideal solution for existing buildings.

The lift for the impossible spaces.





Certificates

All Daldoss products are manufactured according to the Machinery Directive 2006/42/CE (freight lifts, service lifts and platform lifts), the Lift Directive 95/16/EC and complies with other international standards (for example Electromagnetic certificate 2004/108/CE). Daldoss is certified according to the standard UNI EN ISO 9001:2008.



CSQ Company Certificate



IQNET Company Certificate



EC Certificate of Full Quality Assurance
(electric and hydraulic lift)



Microfreight Type Examination Certificate

Guarantee



Spare parts and maintenance

Daldoss and its partners can provide a maintenance service covering the whole operational life of each lift.

One of the principal objectives of a customer focused company is the establishing of a lasting business relationships with its Customers, based on mutual trust and satisfaction. For this reason, Daldoss can provide the original

spare parts for all **Microfreight** models. Moreover, all the **Microfreight** lifts are supplied with 12 months guarantee valid from the date of the shipping of the equipment.



Microfreight range, always equipped with structure supported frame, is the most flexible and reliable solution to move heavy goods between floors.



DALDOSS
PASSENGER & GOODS LIFTS

Daldoss Elevetronic Spa

Località Cirè 38057 Pergine Valsugana (Tn) - Italy

T. (0039) 0461 51 86 11

F. (0039) 0461 51 86 54

www.daldoss.com