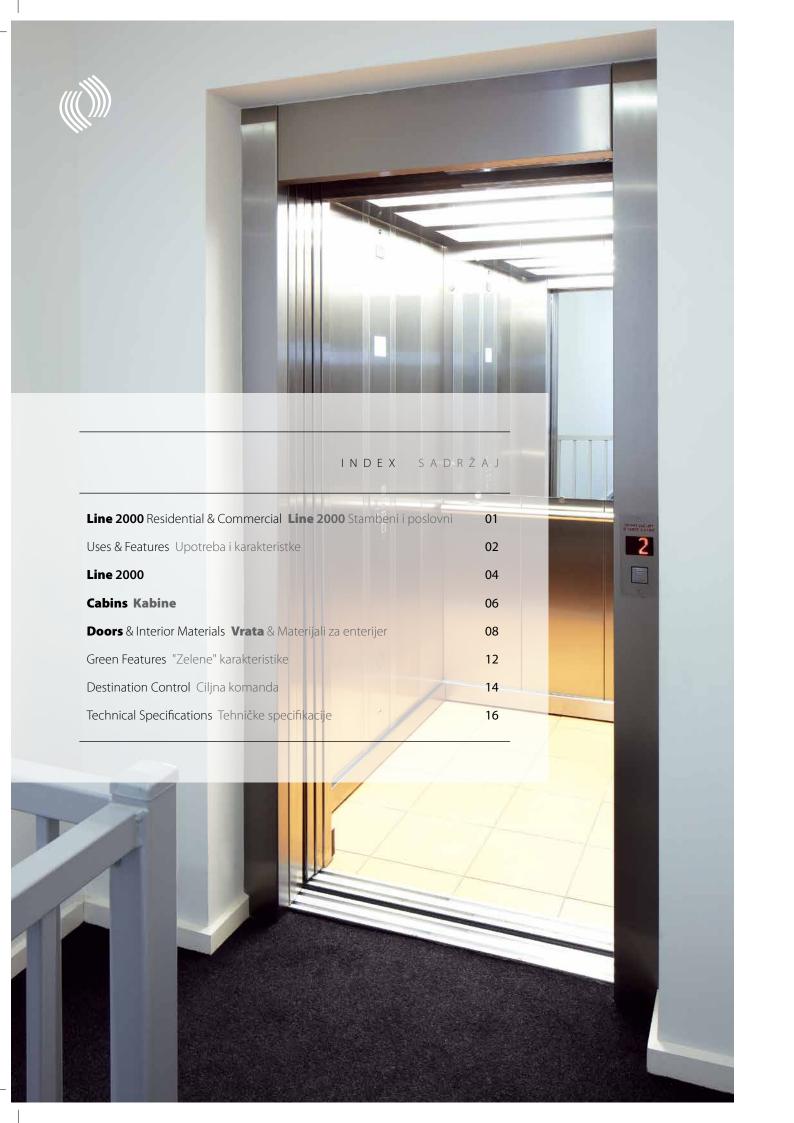


Line 2000 Residential & Commercial | Stambeni i poslovni







ADVANTAGES

Outstanding ride quality

Line 2000 was designed to ensure both high quality and ride comfort. The low levels of noise and car vibrations fulfill even the most strict requirements.

Safety

Feel safe with the solid **Line 2000** that guarantees maximum safety.

PREDNOSTI

Izvanredan kvalitet vožnje

Line 2000 je dizajniran tako da obezbedi i visok kvalitet i odličan komfor vožnje. Nizak nivo buke i vibracija kabine zadovoljavaju čak i najstrože zahteve.

Bezbednost

Osećajte se bezbedno sa pouzdanim liftom **Line 2000** koji garantuje maksimalnu bezbednost.

Line 2000

RESIDENTIAL & COMMERCIAL

STAMBENI I POSLOVNI



Ease of installation

Designed for ease of installation and use, providing spatial efficiency and reliability.

Eco-friendly-Green

Regeneration systems are available to provide excellent ride quality while reducing energy up to 60%.

Design

Unique tailor made design options, customised according to your needs in order to perfectly fit in your space.

Fast delivery

Place your order and get your products in short delivery times.

Jednostavnost montaže

Dizajniran za jednostavnu montažu i upotrebu pruža izuzetnu efikasnost i pouzdanost.

Ekološki-"zeleni" lift

Mogu se koristiti sistemi za regeneraciju koji omogućavaju odličan kvalitet vožnje uz smanjenje potrošnje energije do 60%.

Dizajn

Jedinstvena dizajnerska rešenja, prilagodjena vašim potrebama kako bi se savršeno uklopila u vaš prostor.

Brza isporuka

Dostavite svoju porudžbinu i očekujte isporuku u kratkom vremenskom roku.

VERSATILITY OF USES

KLEEMANN uses its expertise and wide technical know-how to ensure high technology performance. It provides products for all types of passenger and freight lifts.

Insuperable design and unique solutions combined perfectly to meet your needs.



Hospitals Bolnice

RAZNOVRSNOST UPOTREBE

KLEEMANN koristi svoje znanje i raznovrsne tehničke veštine kako bi obezbedio visok tehnološki učinak. Obezbedjuje proizvode za sve tipove putničkih i teretnih liftova.

Neprevazidjeni dizajn i jedinstvena rešenja savršeno se dopunjuju da zadovolje vase potrebe



Shopping Malls Tržni centri



Hotels Hoteli

Uses & Features Upotreba i karakteristke



Railway stations Železničke stanice



Business Buildings Poslovne zgrade



Universities Univerziteti



Apartment buildings Stambene zgrade



Airports Aerodromi



Line 2000

Line 2000 is the ideal traction MRL solution for rated loads 375 - 1000 kg. It is equipped with KLEEMANN premium quality gearless motor and a state of the art inverter that enables outstanding ride quality, minimisation of sound levels and very low energy consumption. It features 2:1 suspension and speed up to 1,6 m/s. Especially designed to achieve reduced costs, Line 2000 is a perfect value for money solution.

Line 2000 je idealno rešenje za električni lift bez mašinske kućice prostorije (MRL) za nazivne nosivosti od 375 - 1000 kg. Opremljen je sa KLEEMANN bezreduktorskim motorom visokog kvaliteta i inverterom koji obezbedjuje izvanredan kvalitet vožnje, minimalizaciju nivoa buke i veoma malu potrošnju energije. Karakterišu ga 2:1 sistem vešanja i brzina do 1,6 m/s. Specijalno dizajniran da bi se postiglo smanjenje troškova, Line 2000 je predstavlja perfektno izbalansiran odnos kvaliteta i cene.



Line 2000 is now also available with Machine Room (MR) option.

Line 2000 je sada dostupan i u varijanti sa mašinskom prostorijom (MR).

For more information contact KLEEMANN Liftovi at: office@kleemann.rs

Za vise informacija kontaktirajte KLEEMANN Liftove na: office@kleemann.rs

TECHNICAL ADVANTAGES TEHNIČKE PREDNOSTI

Narrow controller suitable for installation within

the door frame for

space saving

Uzani kontroler pogodan za montažu u štoku vrata radi uštede prostora



2:1 traction galvanised car sling. Finite Elements Methods used for structural integrity analysis.

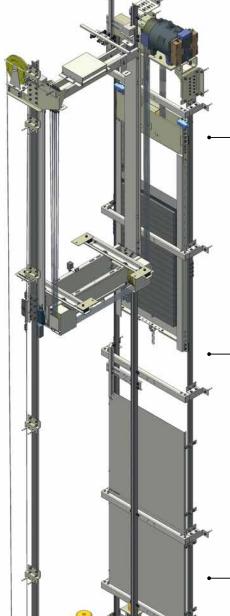
Galvanizovani ram kabne za 2:1 sistem vešanja. Metoda konačnih elemenata za proračun nosećih konstrukcija

Safety gear with progressive movement

Hvatački uređaj sa postupnim dejstvom

New guide shoes with rubber dampening elements for better ride quality

Novi klizači za šine sa gumenim ulošcima za bolji kvalitet vožnje



Galvanised counterweight frame

Galvanizovani ram kontra tega

Use of extended life span plastic pulleys in order to reduce energy consumption and sound levels

Upotreba plastičnih užetnjača sa produženim rokom trajanja kanala kako bi se smanjila potrošnja energije i nivo buke

Sophisticated designed galvanised side brackets for easy installation

Sofisticirano konstruisane galvanizovane konzole za jednostavnu montažu

Cabins | Kabina



Walls: Stainless Steel Satin

Ceiling: 010 Stainless Steel Satin

Floor: 6768 Griffon

Handrail: K2 Stainless Steel

Mirror

Mirror: Half Height / Full Width

Stranice: Satinirani Inox

Plafon: O10 Satinirani Inox

Pod: 6768 Griffon

Rukohvat: K2 Sjajni inox

Ogledalo: Polovina visine/cela širina

L 320



Ceiling: 055 Stainless Steel Satin with plexiglass, 3 fluorescent tubes

Walls: Skinplate PPS13

Floor: 6768 Griffon

Handrail: K7 Stainless Steel Mirror

Mirror: Full Height /Half Width

Stranice: plastifikacija PPS 13

Plafon: O55 Satinirani Inox i pleksiglas, 3 fluo-svetiljke

Pod: 6768 Griffon

Rukohvat: K7 Sjajni Inox

Ogledalo: Celom visinom/polovina širine Walls: Laminate (DU) 5610 HG

Ceiling Type: 055 Stainless Steel Mirror and plexiglass, 3 fluoroscent tubes

Floor: 6801 Black

A 310

Handrail: K5 Stainless Steel

Mirror: Half Height/Full Width

Stranice: Laminat (DU) 5610 HG

Plafon: O55 Satinirani Inox i pleksiglas 3 fluo-svetiljke

Pod: 6801 Crni

Rukohvat: K5 Sjajni Inox

Ogledalo: Polovina visine/cela širina

Doors | Vrata

Landing door | Prilazna vrata



Type: Landing door

AISI 441 brushed stainless steel (RAL 7032 is optional)

Tip: Prilazna vrata

Satinirani inox AISI 441 ili boja RAL 7032

Doors & Interior Materials Vrata & Materijali za enterijer

COP | Registar kutija upravljačka lamela

LOP | Pozivne kutije

Flat mounted, satin stainless steel | Ravna ugradna, satinirani inox



Type: FH-FM

Satin stainless steel, flat mounted, full height panel, dot matrix display, overload + buzzer, emergency remote

- alarm system
- door open-door close (optional)
- fan
- voice announcement (optional)



Satinirani Inox, ugradna-poravnata sa stranicom celom visinom kabine, matrični displej, zvučni I svetlosni signal preopterećenja. Dugmad:

- alarm
- govorni uredjaj (opcija)
- otvaranje vrata
- zatvaranje vrata (opcija)
- ventilator (opcija)
- govorna najava stanica (opcija)



Type: FM90 - 1 one button

Tip: FM90 - 1Sa jednim dugmetom



Type: FM90 - 2 two buttons (full selective)

Tip: FM90 - 2Sa dva dugmeta (sabiranje u oba smera)



Type: FM90 - 1D dot matrix display, one button

Tip: FM90 - 1D matrični displej, sa jednim dugmetom



Type: FM90 - 2D dot matrix display, two buttons (full selective)

Tip: FM90 - 2D matrični displej, sa dva dugmeta (sabiranje u oba smera)



Type: SM - 1 one button

Tip: SM - 1 sa jednim dugmetom



Type: SM - 2 two buttons (full selective)

Tip: SM - 2 sa dva dugmeta (sabiranje u oba smera)



Type: SM - 1D dot matrix display, one button

Tip: SM - 1D matrični displej sa jednim dugmetom



Type: SM - 2D dot matrix display, two buttons (full selective)

Tip: SM - 2D matrični displej, sa dva dugmeta (sabiranje u oba smera)

Buttons | Pozivna dugmad



BAS241 Floor button, tactile, braille Spratno taktilno dugme sa brajovom azbukom **BAS241**



BAS241 Door open button, tactile, braille Dugme otvaranja vrata taktilno dugme sa brajovom azbukom **BAS241**



BA201 Key switch Kontakt sa ključem **BA201**



BAS251 PR button, tactile, braille Spratno taktilno dugme sa brajovom azbukom **BAS251**



BAS251 Alarm button, tactile, braille Alarm taktilno dugme sa brajovom azbukom **BAS251**

Indicators | Indikatori



Type: HL-FM Flat mounted, dot matrix display **Tip: HL-FM** Ravna, ugradna sa matričnim displejom



Type: HL-FM Flat mounted, TFT display L2 **Tip: HL-FM** Ravna, sa TFT displejom L2



Type: HL-SM Surface mounted, dot matrix display **Tip: HL-SM** Nadgradna, sa matričnim displejem

Display | Displeji



Type: M8 RED OR BLUE DISPLAY Dot matrix display **Tip: M8** Crveni ili plavi matricni displej



Type: M5 RED OR BLUE DISPLAY Dot matrix display **Tip: M5** Crveni ili plavi matricni displej



Type: TFT display L1 2,8" **Tip:** TFT displej L1 2,8"



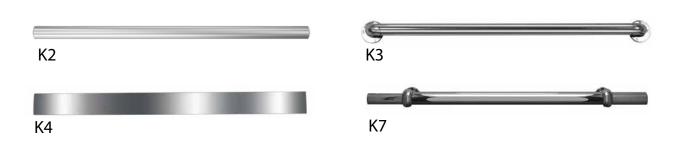
Type: TFT display L2 5" **Tip:** TFT displej L2 5"



Type: TFT display L3 7" **Tip:** TFT displej L3 7"

Interior Materials Materijali za enterijer

Handrails | Rukohvati



Ceilings | Plafoni



Type: 03 Stainless Steel Mirror, 4 spots. Available only at A310, L320 cabins Tip: 03 Sjajni inox, 4 spota. Dostupan samo za A310 i L320 kabine



Type: 010 Stainless Steel Satin Available only at L310 cabin Tip: 010 Satinirani inox Dostupan samo sa L310 kabinom



Stainless Steel Satin and plexiglass, 3 fluorescent tubes **Tip: 055**Satinirani inox i pleksiglas, 3 fluoroscentne cevi

Type: 055

Floors PVC | Podovi



Type: 6768 Griffon **Tip:** 6768 Griffon



Type: 6801 Black **Tip:** 6801 Crni



Type: 6674 Linoleum **Tip:** 6674 Linoleum

GREEN FEATURES

The green solution provides excellent ride quality, while reducing up to 60% energy consumption.

"ZELENE" KARAKTERISTIKE

"Zeleno" rešenje obezbedjuje odličan kvalitet vožnje, dok u isto vreme smanjuje i do 60% potrošnju energije.



Regeneration Drive

The regeneration unit has been developed in order to recover excess energy from the lift when the empty car travels upwards or the fully loaded car travels downwards. KLEEMANN regeneration unit produces clean energy which does not cause any problems to the network.

Regenerativni pogon

Uredjaj za regeneraciju razvijen je kako bi iskoristio višak energije koji se dobija prilikom kretanja prazne kabine lift na gore ili u punoj meri opterećene kabine na dole. KLEEMANN uredjaj za regeneraciju proizvodi čistu energiju koja ne dovodi do bilo kakvih problema na mreži.

Stand By Mode

With the Stand By Mode, when the lift is not in use, You save energy for the electronic subsystems.

Režim mirovanja

Sa Režimom mirovanja, kada se lift ne koristi, štedite energiju za elektronske podsisteme.





Energy Efficiency

Thanks to the energy reduction features Line 2000 reaches A-class for low energy consumption according to VDI 4707-1.

Energetska efikasnost



Zahvaljujući karakteristikama za smanjenje energije Line 2000 se svrstava u A-klasu za nisku potrošnju energije u skladu sa VDI 4707-1.





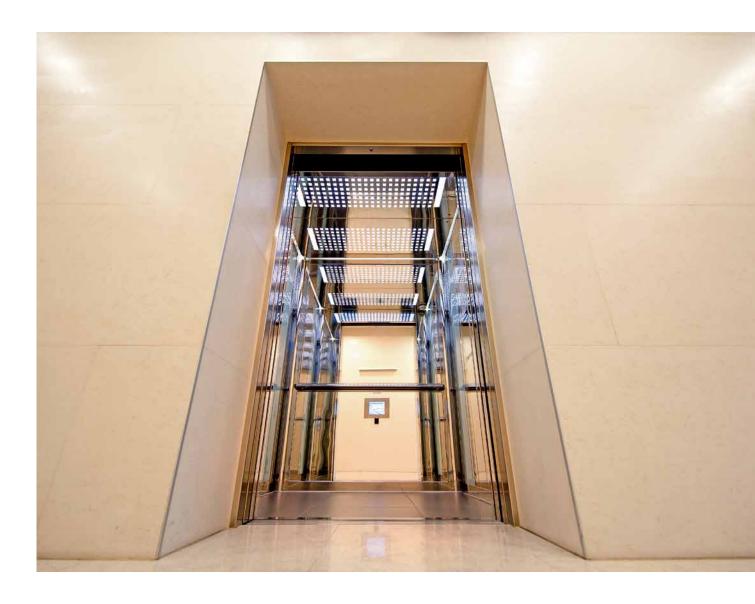
TIMES LONGER PUTA DUŽE

Led Lighting

Led Lighting assures less energy consumption and it lasts 20 times longer comparing to standard lighting.

Led osvetljenje

Led osvetljenje osigurava manju potrošnju energije I traje 20 puta duže u poredjenju sa standardnim osvetljenjem.



DESTINATION CONTROL

The destination control increases the efficiency of the lift application and reduces the waiting time.

The passengers enter their destination in the panel, which responds by indicating the lift that is going to be used. There are two options available according to the traffic analysis of the building.

• Buildings with high traffic density on the ground floor

The touch panel PC's are installed only at the ground floor while at the other floors conventional operating panels are used.

The number of the touch panels to be installed depends on the number of lifts.

• Buildings with high traffic density between multiple floors

The touch panels PC's are installed at each floor.

The destination information from the touch panel PC's are sent to a central processor that communicates with each lift controller to distribute in the most effective way the landing calls.



CILJNA KOMANDA

Ciljna komanda povećava efikasnost u korišćenju više liftova u bateriji i skraćuje vreme čekanja. Putnici unose svoju destinaciju preko upravljačkih panela na svim prilazima. Na displeju na panelima se zatim pokazuje oznaka lifta koji putnik za taj sprat treba da koristi. Postoje dve moguće opcije u skladu sa analizama saobraćaja u zgradi.

• Zgrade sa visokim intenzitetom saobraćaja u prizemlju

PC paneli osetljivi na dodir su postavljeni samo u prizemlju dok se na ostalim spratovima koriste standardni pozivi. Broj panela osetljivih na dodir zavisi od broja liftova.

Zgrade sa visokim intenzitetom saobraćajem izmedju različitih spratova

Paneli osetljivi na dodir se postavljaju na svaki sprat. Informacije o destinaciji dobijene preko panela PC šalju se u centralni procesor koji komunicira sa kontrolerom svakog lifta kako bi distributirao pozive na najefikasniji način.



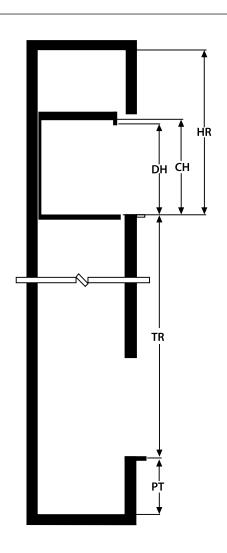
Advantages

- Controlled travel of the lifts
- Reduced travel time via carefully targeted distribution of the passengers
- Reduced waiting time
- A more efficient utilisation of the individual lifts in comparison to conventional controls
- Modern and future-oriented

Prednosti

- Režirana (vodjena) upotreba lifta
- Smanjeno vreme vožnje preko pažljivo ciljane distribucije putnika
- Smanjeno vreme čekanja
- Efikasnije korušćenje pojedinačnih liftova ako se poredi sa konvencionalnim komandama
- Moderna i napredno orjentisana

	Line 2000		
Rated Load (Kg) Nazivna nosivost (kg)	375-1000		
Suspension Vešanje	2:1		
Machine Room mašinski prostor	MRL (MR)		
Max travel (m) Maks. visina dizanja (m)	45		
Max Rated Speed (m/s) Maks. nazivna brzina (m/s)	1,6		
Pit depth (mm) Dubina jame (mm)	v≤1.0 m/s 1100 v=1.6 m/s 1250		
Clear Headroom (mm) Vrh voznog okna (mm)	v≤1.0 m/s 3400* v=1.6 m/s 3600*		
Entrances Prilazi liftu	Single entrance or through type car jedan prilaz ili prolazna kabina		
Machine Pogonska mašina	KLEEMANN RN		
Controller Upravljanje	KLLC100		



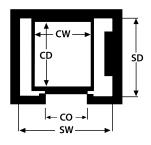
Line 2000

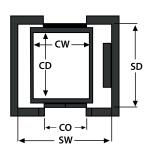
SINGLE ENTRANCE NEPROLAZNA KABINA	Rated Load (Kg) Nazivna nosivost (kg)	375 5 persons / osoba		450 6 persons / osoba	630 8 persons / osoba		800 10 persons / osoba
	Car Dimensions (mm) (CW x CD) Dimenzlje kabine (mm)	900x1200		1000×1250	1100×1400		1350x1400
	Door type* Tip vrata*	C2	T2	T2	C2	T2	T2
	Door CO (mm) Svetli otvor vrata (mm)	700	800	800	700	800	900
	Shaft dimensions (mm) (SW x SD) Dimenzije okna (mm)	1600x1500	1550x1580	1600x1630	1700x1780	1700x1780	1950x1780
THROUGHT TYPE CAR PROLAZNA KABINA	Rated Load (Kg) Nazivna nosivost (kg)	375 5 persons / osoba		450 6 persons / osoba	630 8 persons / osoba		800 10 persons / osoba
	Car Dimensions (mm) (CW x CD) Dimenzlje kabine (mm)	900x1200		1000x1250	1100x1400		1350x1400
	Door type* Tip vrata*	C2	T2	T2	C2	T2	T2
	Door CO (mm) Svetli otvor vrata (mm)	700	800	800	700	800	900
	Shaft dimensions (mm) (SW x SD) Dimenzije okna (mm)	1600x1610	1550x1750	1600x1800	1700x1950	1700x1950	1950x1950

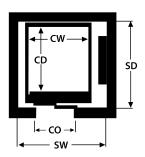
^{*} C2 = 2-panel central opening, T2 = 2-panel telescopical opening * C2 = 2-krilna centralna, T2 = 2-krilna bočna teleskop

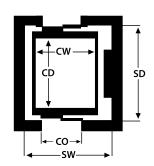
^{*} For internal car height 2100mm * Za unutrašnju visinu kabine 2100mm

Technical specifications Tehničke specifikacije









For the full range of your options, you are kindly advised to check your KLEEMANN Cabins brochure, visit www.designyourlift.com or contact your sales engineer.

Kako bi se upoznali sa punim obimom vaših mogućnosti, najljubaznije vam preporučujemo da pogledate svoj KLEEMANN Cabins katalog, posetite www.designyourlift.com ili kontaktirate svog menadžera prodaje

1000 13 persons / osoba								
1100x2100		2100x	1100	1400x1600				
T2		CZ	<u>)</u>	T2				
900	1000	1000	1200	1000				
1650x2480	1850x2480	2700x1400	2700x1400	2000x1950				
1000 13 persons / osoba								
1100x2100		2100x1100		1400x1600				
T2		CZ	2	T2				
900	1000	1000	1200	1000				
1650x2650	1850x2650	2700x1510	2700x1510	2000x2150				

www.kleemannlifts.rs

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