

META100 BRINGS EXTRA TO YOUR BUILDING

It comes with a smart
mechanical setup, optimized
product design, and
compact shaft dimensions.





meta100 brings extra to your building

meta100 focuses on mid and high-rise buildings, providing a cost-effective solution that is quick to install and reduces construction costs.

It elevates every building with vibrant aesthetics and offers peace of mind through reliable German engineering. Step up with meta100 because your building deserves the best.



Makes business sense

Reduced construction time means reduced construction costs. A smart, cost-efficient choice.



Gives peace of mind

Reliable German engineering at the highest industry standards.



Brightens-up your building

Multiple car interior design options to complement your building ambience.

DESIGNED FOR

- Mid & high-rise buildings

SPECIFICATIONS

Application	MR	MRL
Max. rated load	1156 kg	1156 kg
Max. rated speed	2.5 m/s	2.0 m/s
Max. number of stops/landings	38	32
Max. travel height	125 m	110 m

Makes business sense

meta100 is quick and safe to install, leading to faster rental revenue, thereby making it a smart business choice.



Maximize your revenue

Compact shaft dimensions increase rentable floor space and boost building area sales revenue.

A faster completion time accelerates occupancy and revenue from tenants.

Reduced construction cost

meta100's compact size requires a smaller shaft, reducing construction costs.

Its smaller overhead and pit dimensions, along with the MRL solution, further cut material costs.

Finish your project on time

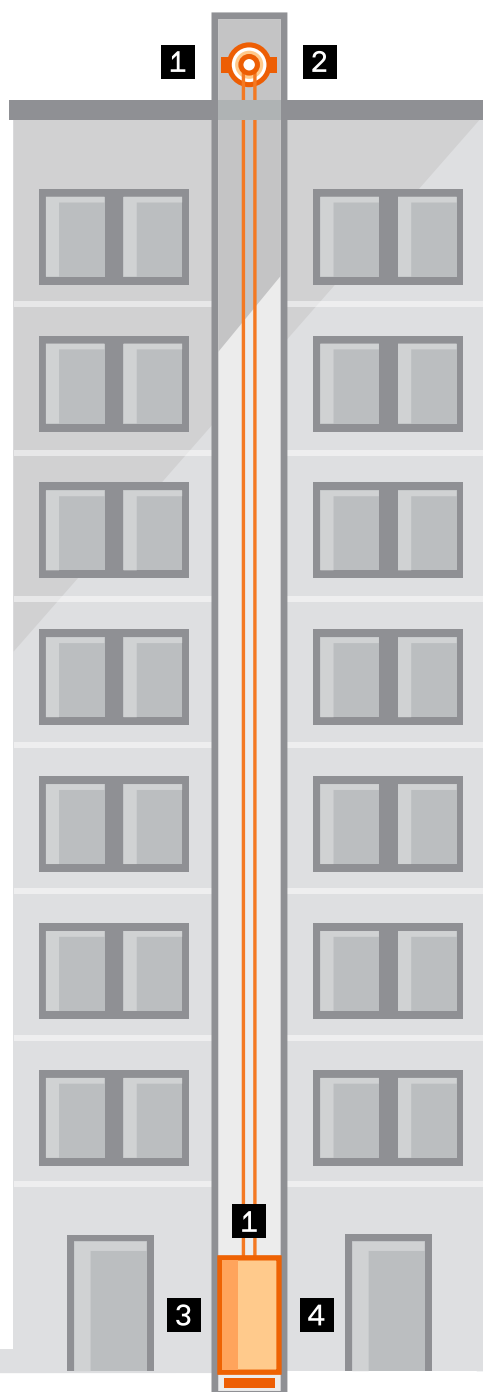
Smart mechanical setup, optimized product design plus a safe & efficient installation method makes installation safer and quicker.

Furthermore, faster installation facilitates early commissioning of the building, generating earlier revenue from tenants.



Gives peace of mind

Reliable and stringent German design and engineering.



1 Optimal energy consumption

Energy efficient gearless PMS motor, inverter, and sustainable LED car lighting features facilitate energy saving.



2 Reduced maintenance

3 year maintenance-free brake shoes and maintenance-free bearings reduce maintenance needs and increase uptime.



3 Reliable safety features

Full-height infrared curtain and auto leveling of the car ensures safe ingress and egress. Furthermore, meta100's safety brakes are engineered to match the highest Indian standards.



4 Smooth, comfortable ride

The strong car frame and the damping rubbers on the platform give a smooth, quiet, and comfortable ride.

Brightens-up your building

Choice of 9 stylish car interiors delivers a brighter in-car journey.





Accessories

A chance to enhance the user experience through design detail.



Fixtures

Every user interaction point is an opportunity to delight.



Trends

Selected by our in-house design team for your personal composition.

STYLISH







Stylish interior designs with a touch of luxury.



1 GOLDEN GLOW

-  Ceiling
Starry Light
-  Side Wall
Pearl Gold (R)
Oyster White (M)+(F)
-  Rear Wall
Oyster White (M)
Pearl Gold (L)+(R)
-  Front Wall
Oyster White
-  Door
Oyster White
-  Floor
PVC Black Button

2 VOGUE

-  Ceiling
Round Light
-  Side Wall
SS Mirror (M)
SS No.4 Finish (R)+(F)
-  Rear Wall
SS Mirror (M)
SS No.4 Finish (L)+(R)
-  Front Wall
SS No.4 Finish
-  Door
SS No.4 Finish
-  Floor
PVC Black Button






CH2DW

STYLISH


Stylish and sophisticated stainless steel finishes to accentuate your building's ambience.



3 URBAN MAZE

-  Ceiling
Starry Light
-  Side Wall
SS Honeycomb
-  Rear Wall
SS Honeycomb
-  Front Wall
SS Honeycomb
-  Door
SS Honeycomb
-  Floor
PVC Black Button

4 URBAN GRACE

-  Ceiling
Quad Light
-  Side Wall
SS Linen
-  Rear Wall
SS Linen
-  Front Wall
SS Linen
-  Door
SS Linen
-  Floor
PVC Black Button






CH2CW

CONTEMPORARY

Inspired by contemporary Scandinavian interiors, fused with local flavours.



1 MAGICAL STRIPES

-  Ceiling
Ball Light
-   Side Wall
SS Regal Strips (M)
SS Mirror (R)+(F)
-   Rear Wall
SS Regal Strips (M)
SS Mirror (L)+(R)
-  Front Wall
SS Mirror
-  Door
SS Mirror
-  Floor
PVC Black Button

2 GRAND DESIGNO

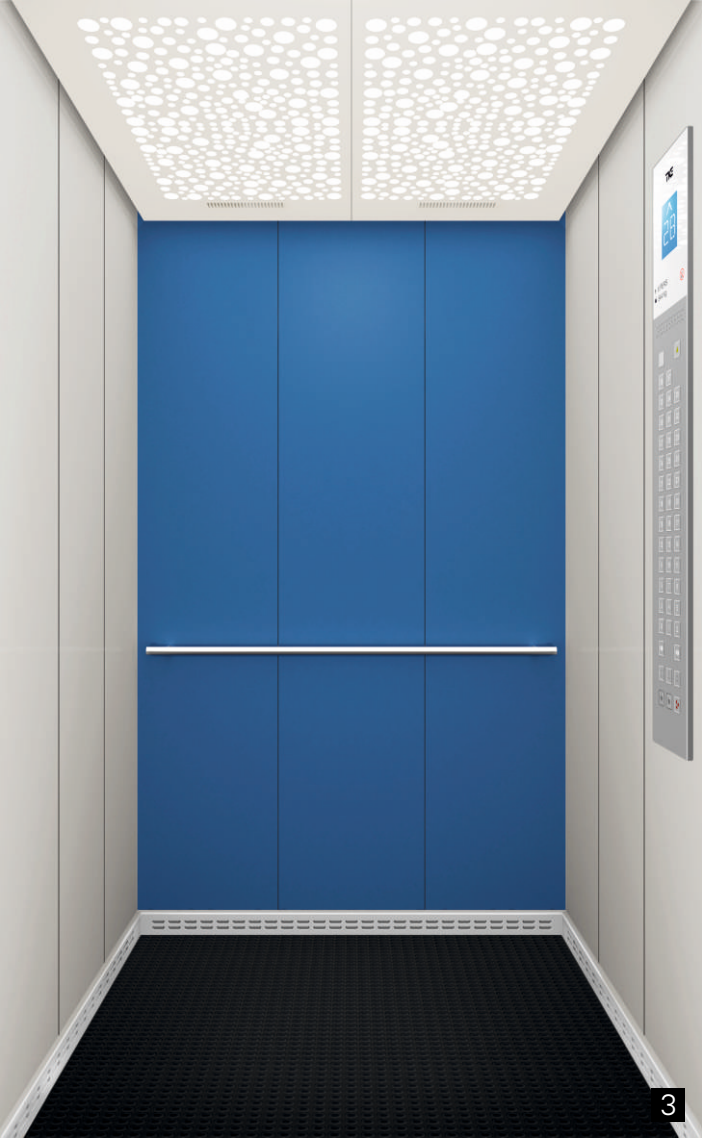
-  Ceiling
Quad Light
-   Side Wall
SS Melange (M)
SS Mirror (R)+(F)
-   Rear Wall
SS Melange (M)
SS Mirror (L)+(R)
-  Front Wall
SS Mirror
-  Door
SS Mirror
-  Floor
PVC Black Button




FL1ABW

CONTEMPORARY

A contemporary and vibrant interior setting to complement your building's ambience.



3 OCEAN BLUE

-  Ceiling
Starry Light
-  Side Wall
Light Grey
-  Rear Wall
Light Blue
-  Front Wall
Light Grey
-  Door
Light Grey
-  Floor
PVC Black Button



CH2DBW

CLASSIC







A mix of soothing classic colours and elegant stainless steel finishes for that modern twist.



1 CREAMY FLAIR

-  Ceiling Ball Light
-  Side Wall Oyster White
-  Rear Wall Oyster White
-  Front Wall Oyster White
-  Door Oyster White
-  Floor PVC Black Button

2 PRIME

-  Ceiling Ball Light
-  Side Wall SS No.4 Finish
-  Rear Wall SS No.4 Finish
-  Front Wall SS No.4 Finish
-  Door SS No.4 Finish
-  Floor PVC Black Button

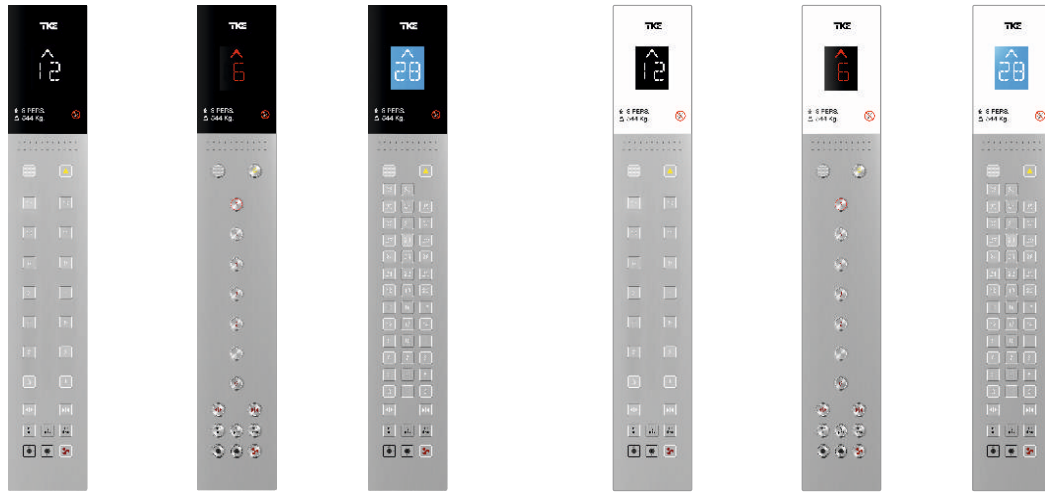


CH2CBW

FIXTURES

User-friendly design options for ease of use.

Car Operating Panel



Name	CH2CW	CH2CR	CH2CBW	CH2DW	CH2DR	CH2DBW
Faceplate	SS No. 4 Finish	SS No. 4 Finish	SS No. 4 Finish	SS No. 4 Finish	SS No. 4 Finish	SS No. 4 Finish
Display	Seg. White-LED	Seg. Red-LED	Seg. Blue/White-LCD	Seg. White-LED	Seg. Red-LED	Seg. Blue/White-LCD
Button/ Illumination	MT42 S White	AN180 S Red	MT42 S White	MT42 S White	AN180 S Red	MT42 S White



Name	FL1AW	FL1AR	FL1ABW
Faceplate	SS No. 4 Finish	SS No. 4 Finish	SS No. 4 Finish
Display	Seg. White-LED	Seg. Red-LED	Seg. Blue/White-LCD
Button/ Illumination	MT42 S White	AN180 S Red	MT42 S White

Landing Indicator Operating Panel



LS2AW & LD2AW



LS2AR & LD2AR



LS2ABW & LD2ABW



Name	LS2BW & LD2BW
Faceplate	SS No. 4 Finish
Display	Seg. White-LED
Button/ Illumination	AN180 S/MT42 S White



Name	LS2BR & LD2BR
Faceplate	SS No. 4 Finish
Display	Seg. Red-LED
Button/ Illumination	AN180 S/MT42 S Red



Name	LS2BBW & LD2BBW
Faceplate	SS No. 4 Finish
Display	Seg. Blue/White-LCD
Button/ Illumination	AN180 S/MT42 S White

Landing Operating Panel & Hall Indicator



Name	LB2AW	LI2AW
Faceplate	SS No. 4 Finish	Plastic
Display	-	Seg. White-LED
Button/ Illumination	MT42 S White	-

Hall Lantern



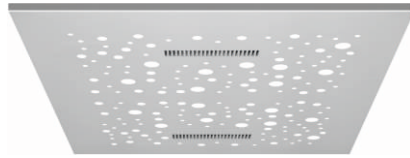
Name	HL107	BFK212
Illumination	Green/Red	Green/Red

ACCESSORIES

Designed with the same precision as our mechanical engineering, ensuring exceptional quality and satisfaction.

Ceiling

Suspended ceiling patterns



Starry Light



Quad Light



Ball Light

Integrated ceiling pattern



Ball Light

- The above representation of suspended ceiling is for car width ≤ 1200 mm. For car width > 1200 mm suspended ceiling is available in a two-piece design
- 544 & 612kg Pax capacities are with one ventilation blower
- **Ceiling Finish:**
Integrated Ceiling: Powder-coated cabin- Signal white,
 Stainless steel cabin- Silver Metallic Glossy
Suspended Ceiling: Powder-coated cabin- Signal white,
 Stainless steel cabin- SS No. 4 finish

Vision Door



Small Vision Glass Door

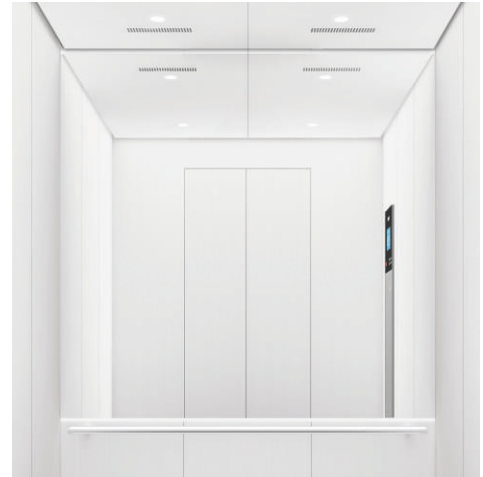


Half Vision Glass Door



Big Vision Glass Door

Mirror



Full-width, Half-height

Handrail



SS Hairline

- SS Handrail (On the rear wall & all side walls) and Mirror (full-width, half-length) is optional

Button



Name MT42 S

Illumination White Red



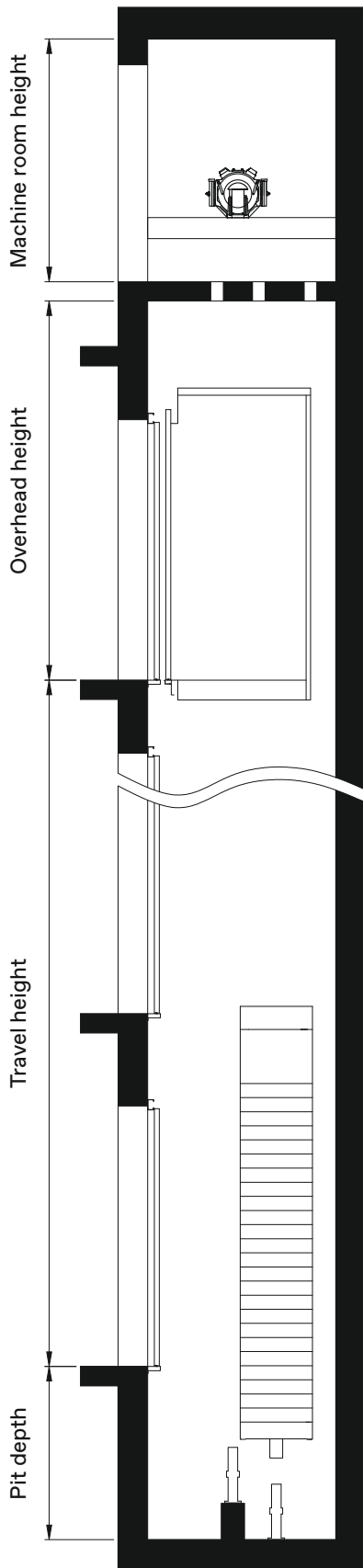
Name AN180 S

Illumination White Red

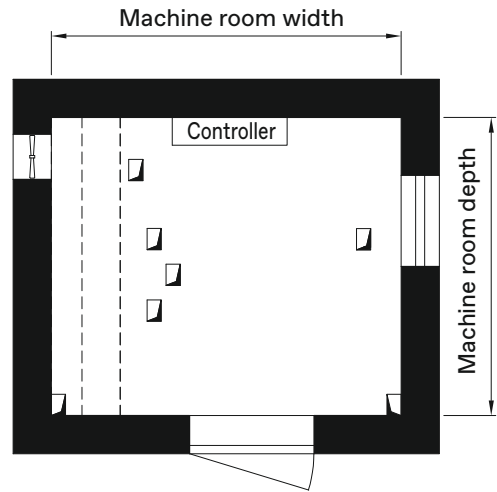
- Braille inscription is available as an option

LAYOUT

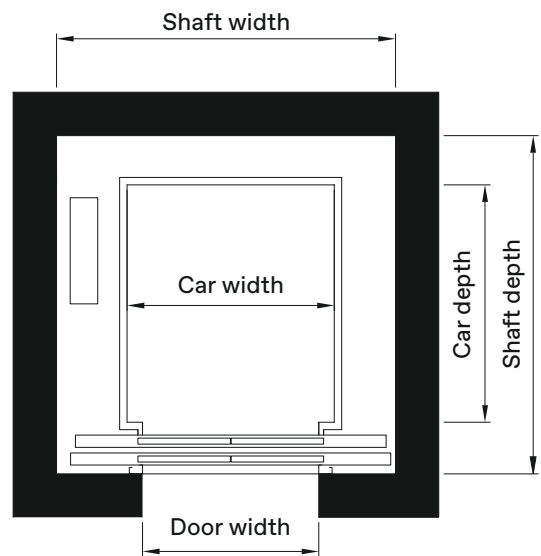
MR Shaft Vertical Section



Machine Room Plan



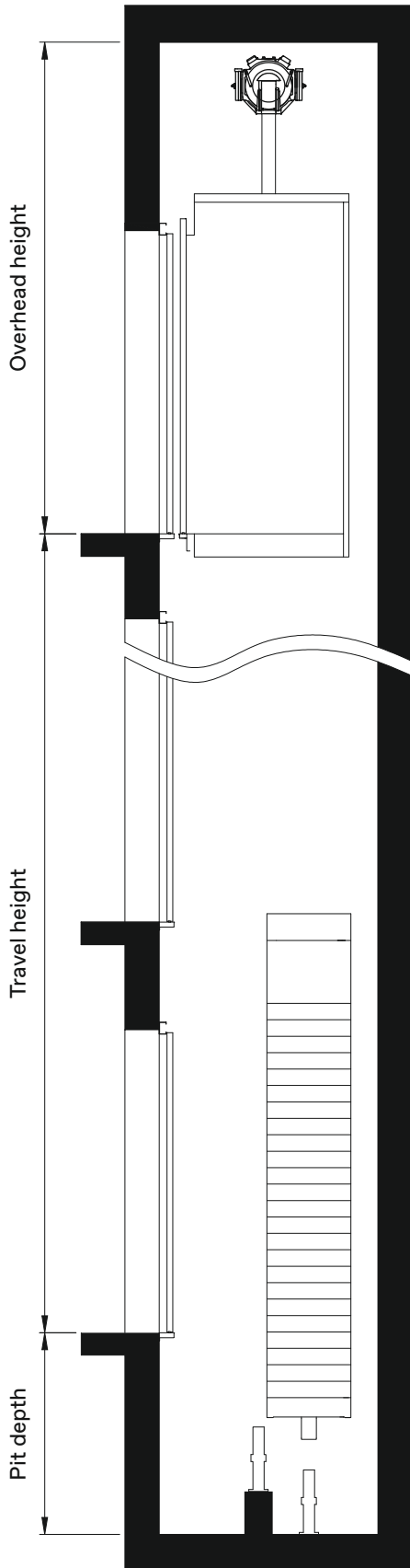
Top Floor Elevator Plan



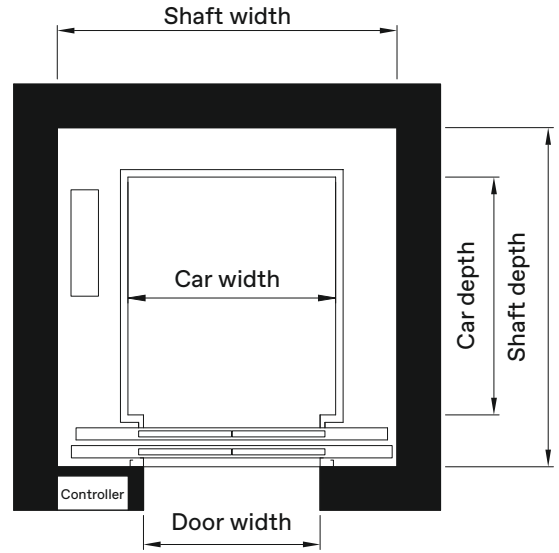
The above illustration is of the Automatic Center Opening Door

meta100 MRL
LAYOUT

MRL Shaft Vertical Section



Top Floor Elevator Plan



The above illustration is of the Automatic Center Opening Door

PLANNING DIMENSIONS

RATED LOAD (KG)	PAX CAPACITY	DOOR TYPE	DOOR WIDTH (DW) (MM)	CAR SIZE (CW X CD) (MM)	SHAFT SIZE (MIN) (SW X SD) (MM)	SHAFT SIZE (MAX) (SW X SD) (MM)
1) Standard doors						
544	8	ACO	800	1100 x 1300	1740 x 1655* / 1770 x 1770	2100 x 3000
		ATO	800	1100 x 1300	1725 x 1695* / 1725 x 1810	2100 x 3000
612	9	ACO	800	1100 x 1400	1740 x 1755* / 1770 x 1820	2100 x 3000
		ATO	800	1100 x 1400	1725 x 1795* / 1725 x 1860	2100 x 3000
680	10	ACO	800	1100 x 1600	1770 x 1955	2100 x 3000
		ATO	800	1100 x 1600	1725 x 1995	2100 x 3000
		ACO	800	1200 x 1400	1825 x 1820	2200 x 3000
		ATO	800	1200 x 1400	1825 x 1860	2200 x 3000
		ACO	800	1300 x 1350	1925 x 1795	2300 x 3000
		ATO	800	1300 x 1350	1925 x 1835	2300 x 3000
884	13	ACO	800	1100 x 2000	1770 x 2355	2100 x 3000
		ATO	800	1100 x 2000	1725 x 2395	2100 x 3000
		ACO	900	1100 x 2000	1940 x 2355	2100 x 3000
		ATO	900	1100 x 2000	1745 x 2395	2100 x 3000
		ACO	900	1400 x 1500	2025 x 1870	2400 x 3000
		ATO	900	1400 x 1500	2025 x 1910	2400 x 3000
		ACO	900	1600 x 1400	2225 x 1820	2600 x 3000
		ATO	900	1600 x 1400	2225 x 1860	2600 x 3000
		ACO	1000	1600 x 1400	2225 x 1820	2600 x 3000
		ATO	1000	1600 x 1400	2225 x 1860	2600 x 3000
1020	15	ACO	800	1100 x 2200	1770 x 2555	2100 x 3000
		ATO	800	1100 x 2200	1725 x 2595	2100 x 3000
		ACO	900	1100 x 2200	1940 x 2555	2100 x 3000
		ATO	900	1100 x 2200	1745 x 2595	2100 x 3000
		ACO	900	1600 x 1500	2225 x 1870	2600 x 3000
		ATO	900	1600 x 1500	2225 x 1910	2600 x 3000
		ACO	1000	1600 x 1500	2225 x 1870	2600 x 3000
		ATO	1000	1600 x 1500	2225 x 1910	2600 x 3000
1088	16	ACO	900	1200 x 2100	1940 x 2455	2200 x 3000
		ATO	900	1200 x 2100	1825 x 2495	2200 x 3000
		ACO	1100	1800 x 1400	2425 x 1780	2800 x 3000
		ATO	1100	1800 x 1400	2425 x 1860	2800 x 3000
1156	17	ACO	900	1200 x 2200	1940 x 2555	2200 x 3000
		ATO	900	1200 x 2200	1825 x 2595	2200 x 3000
		ACO	1100	1800 x 1500	2425 x 1830	2800 x 3000
		ATO	1100	1800 x 1500	2425 x 1910	2800 x 3000

RATED LOAD (KG)	PAX CAPACITY	DOOR TYPE	DOOR WIDTH (DW) (MM)	CAR SIZE (CW X CD) (MM)	SHAFT SIZE (MIN) (SW X SD) (MM)	SHAFT SIZE (MAX) (SW X SD) (MM)
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2) Vision doors

544	8	ACO	800	1100 x 1300	1770 x 1665* / 1785 x 1780	2100 x 3000
		ATO	800	1100 x 1300	1725 x 1735* / 1725 x 1850	2100 x 3000
612	9	ACO	800	1100 x 1400	1770 x 1765* / 1785 x 1830	2100 x 3000
		ATO	800	1100 x 1400	1725 x 1835* / 1725 x 1900	2100 x 3000
680	10	ACO	800	1100 x 1600	1785 x 1965	2100 x 3000
		ATO	800	1100 x 1600	1725 x 2035	2100 x 3000
		ACO	800	1200 x 1400	1825 x 1830	2200 x 3000
		ATO	800	1200 x 1400	1825 x 1900	2200 x 3000
		ACO	800	1300 x 1350	1935 x 1805	2300 x 3000
		ATO	800	1300 x 1350	1925 x 1875	2300 x 3000
884	13	ACO	800	1100 x 2000	1785 x 2365	2100 x 3000
		ATO	800	1100 x 2000	1725 x 2435	2100 x 3000
		ACO	900	1100 x 2000	1970 x 2365	2100 x 3000
		ATO	900	1100 x 2000	1755 x 2435	2100 x 3000
		ACO	900	1400 x 1500	2025 x 1880	2400 x 3000
		ATO	900	1400 x 1500	2025 x 1950	2400 x 3000
		ACO	900	1600 x 1400	2225 x 1830	2600 x 3000
		ATO	900	1600 x 1400	2225 x 1900	2600 x 3000
		ACO	1000	1600 x 1400	2235 x 1830	2600 x 3000
		ATO	1000	1600 x 1400	2225 x 1900	2600 x 3000
1020	15	ACO	800	1100 x 2200	1785 x 2565	2100 x 3000
		ATO	800	1100 x 2200	1725 x 2635	2100 x 3000
		ACO	900	1100 x 2200	1970 x 2565	2100 x 3000
		ATO	900	1100 x 2200	1755 x 2635	2100 x 3000
		ACO	900	1600 x 1500	2225 x 1880	2600 x 3000
		ATO	900	1600 x 1500	2225 x 1950	2600 x 3000
		ACO	1000	1600 x 1500	2235 x 1880	2600 x 3000
		ATO	1000	1600 x 1500	2225 x 1950	2600 x 3000
1088	16	ACO	900	1200 x 2100	1970 x 2465	2200 x 3000
		ATO	900	1200 x 2100	1825 x 2535	2200 x 3000
		ACO	1100	1800 x 1400	2425 x 1830	2800 x 3000
		ATO	1100	1800 x 1400	2425 x 1900	2800 x 3000
1156	17	ACO	900	1200 x 2200	1970 x 2565	2200 x 3000
		ATO	900	1200 x 2200	1825 x 2635	2200 x 3000
		ACO	1100	1800 x 1500	2425 x 1880	2800 x 3000
		ATO	1100	1800 x 1500	2425 x 1950	2800 x 3000

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GENERAL PLANNING DATA

Minimum overhead (OH) mm with respect to car, door, and barricade height

CLEAR CAR HEIGHT (CCH) MM	DOOR HEIGHT (DH) MM	MR					MRL			
		1.0m/s	1.5m/s	1.75m/s	2.0m/s	2.5m/s	1.0m/s	1.5m/s	1.75m/s	2.0m/s
With Integrated Ceiling										
2200	2000, 2100	3800	3900	3950	4050	4300	3800	3900	4000	4250
2300	2100, 2200	3900	4000	4050	4150	4400	3900	4000	4050	4250
2400	2200	4000	4100	4150	4250	4500	4000	4100	4150	4250
With Suspended Ceiling										
2200	2000, 2100	3900	4000	4050	4150	4400	3900	4000	4050	4250
2300	2100, 2200	4000	4100	4150	4250	4500	4000	4100	4150	4250
2400	2200	4100	4200	4250	4350	4600	4100	4200	4250	4350

PERMITTED DEVIATION FOR SW & SD				
Shaft height (SH) mm	≤30000	>30000 ≤60000	>60000 ≤90000	>90000
Permitted deviation	0~+25 mm	0~+35 mm	0~+50 mm	0~+50mm for any 100m portion of the well

Note

- In the case of a Brick wall in the Overhead area for MRL application, the Overhead required 550mm extra with respect to standard values mentioned above
- The Above Shaft dimensions are worked out considering landing doors installed inside the shaft
- *Applicable only for 8P & 9P with 1.5m/s speed
- For West Bengal for MRL application, Overhead required 450mm extra with respect to standard values mentioned above & minimum pit depth (PD)=1600mm
- **Minimum Pit Depth (PD):**
 1.0 m/s - 1450 mm 1.50 m/s - 1550 mm
 1.75 m/s - 1600 mm 2.0 m/s - 1650 mm
 2.5 m/s - 2000 mm
- **Machine Room Dimensions:**
 Machine Room Height: MRH = 2500 mm
 Machine Room Width: MRW = SW+500 mm
 (Machine room side extension at Machine side)
 Machine Room Depth: MRD = SD
 Min. Floor to Floor Height: DH +600 mm
 Max. Floor to Floor Height: 11000 mm
 (If floor to floor height is more than 11000 mm, emergency landing to be provided)
- **Machine Room Position:**
 MR - Above hoist way, MRL - NA
- **Shaft Wall Type:**
 1) Overhead - RCC, Shaft - RCC, Pit- RCC
 2) Overhead - RCC, Shaft - Solid clay brick, Pit- RCC
 3) Overhead - Solid clay brick, Shaft - Solid clay brick, Pit- RCC
 4) For MRL application shaft wall in overhead area shall be RCC

Elevator Sales Information

Codes & Standards:

Compliance with Indian standard for elevator IS14665 for MR application, IS15785 for MRL application.

Operating Environment:

1. Height above sea level less than 1000m
2. The ambient temperature in the shaft is considered between +5°C~ +40°C
3. Relative humidity shall not exceed 90% at 40°C
4. Power supply: 415V +10%/-15%, 50Hz +/- 5%
 Lighting supply: 230V +10%/-15%, 50Hz +/- 5%

Abbreviations:

SW: Shaft Width, SD: Shaft Depth, CW: Car Width, CD: Car Depth, CCH: Clear Car Height, DW: Door Width, DH: Door Height, ACO: Automatic Center Opening, ATO: Automatic Telescopic Opening, MRL: Machine Room-less, MR: Machine Room, OH: Overhead, COP: Car Operating Panel, Max: Maximum, Pax: Passenger, SS: Stainless Steel, Seg.: Segmented, PVC: Poly Vinyl Chloride, ACVVVF: Alternating Current Variable Voltage Variable Frequency, LED: Light-Emitting Diode, LCD: Liquid-Crystal Display, 2D: 2-Dimensional, VIP: Very Important Person, CCTV: Closed Circuit Television, SEED: School for Educational Evolution and Development.

- Actual colors of the product may vary from the printed brochure

FUNCTION LIST

CATEGORY	NO.	FUNCTION	STANDARD /OPTION
Enhanced Car Function	1	ACVVVF closed-loop drive	S
	2	Automatic operation for the car fan and light	S
	3	Full load by-pass	S
Group/Duplex Control	4	2-8 Car group	O
	5	Dispersed waiting and peak service function (3 car group)	O
	6	Dispersed waiting and peak service function (4-8 car group)	S
	7	Continuity of service: car experiencing trouble withdrawn from group	S
Human Machine Interface	8	Segmented LED display in White colour in the car operating panel/landing indicator panel	S
	9	Segmented LED display in Red colour in the car operating panel/landing indicator panel	O
	10	Segmented LCD display in Blue-White colour in the car operating panel/landing indicator panel	O
	11	Hall lantern	O
	12	Hall indicator with segmented LED display in White colour (landing operating panel w/o display)	O
	13	Hall indicator with segmented LED display in Red colour (landing operating panel w/o display)	O
	14	Hall indicator with segmented LCD display in Blue-White colour (landing operating panel w/o display)	O
	15	Door open/door close buttons in the car operating panel	S
	16	Car arrival chime on the car top	O
	17	Provision for music system wiring (in traveling cable)	O
Monitoring	18	Voice announcement unit (English language only)	O
	19	Intercom 3-way (elevator car, controller, and lobby/security)	S
	20	Interface to Building Monitoring System (BMS) through Potential free contacts/Modbus/ Potential free contacts+Modbus	O
Passenger Comfort	21	Anti-nuisance "limit the number of car calls when empty load"	S
	22	Anti-nuisance (car call cancellation at direction reversal)	S
	23	Braille on push button	O
	24	Alarm button in COP with battery back-up	S
	25	Car call cancellation by double pressing floor button in car operating panel	S
	26	Home landing	S
	27	Adjustable waiting time for opening door at the main landing	S

Note: S-Standard feature, O-Optional feature.

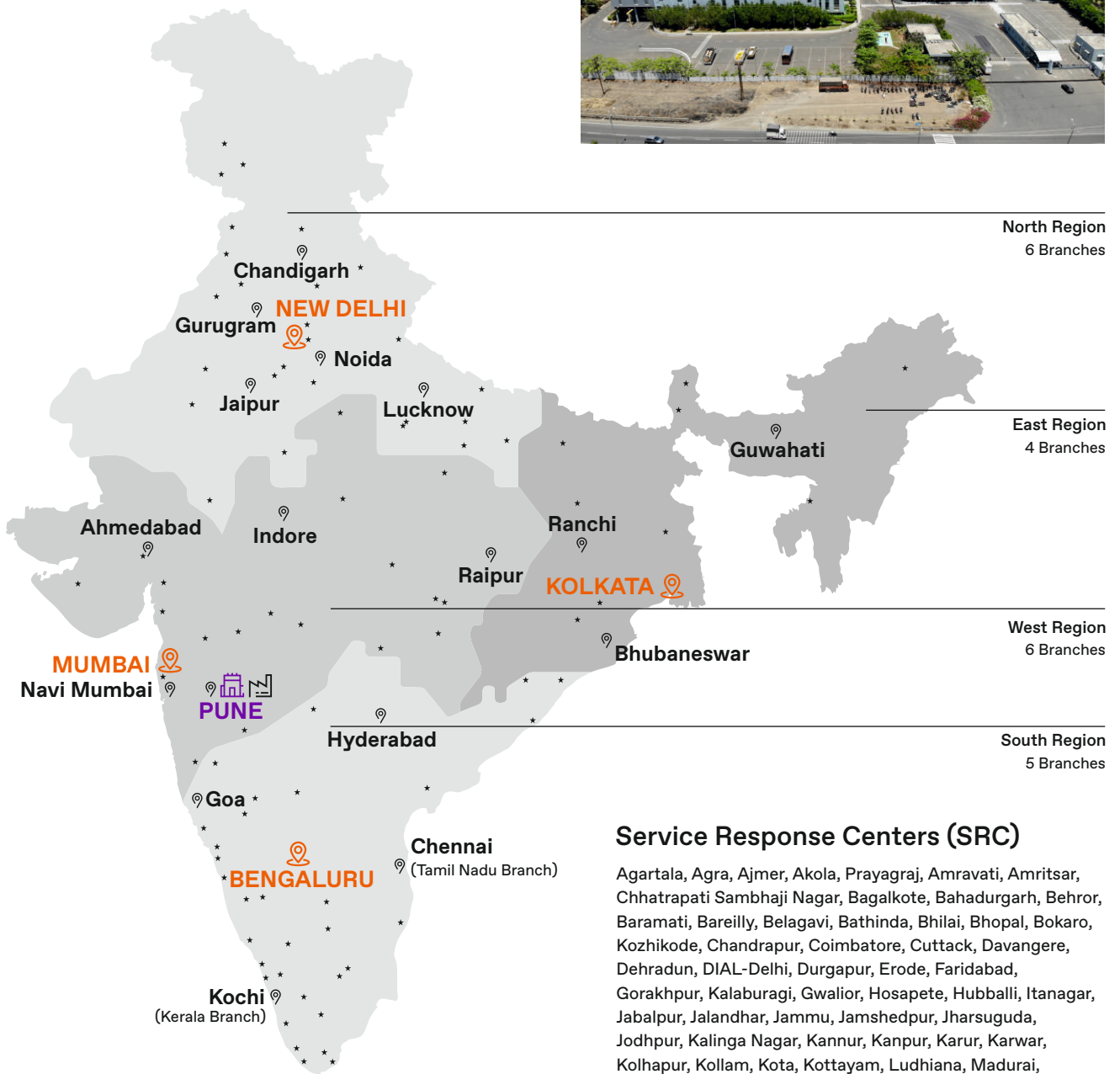
CATEGORY	NO.	FUNCTION	STANDARD /OPTION
Passenger Comfort	28	Advance door opening	O
	29	Re-leveling with the door open (for car travel <=30 m)	O
	30	Re-leveling with the door open (for car travel >30 m)	S
	31	Re-level to the nearest floor at power-on	S
	32	Floor blocking (floor out of service)	O
	33	Parking operation (key switch in landing operating panel)	O
	34	In case of Non-opening of the door, the lift will travel to the next landing	S
	35	2nd COP in the car (for 13 pax and above)	O
	Safety & Emergency Function	36	Door closing retries
37		Emergency light in COP	S
38		2D infrared screen for car door	S
39		3D infrared screen for car door	O
40		Inspection operation from controller and car top	S
41		Jammed landing call by-pass	S
42		Motor overheat protection	S
43		Overload function with an audio-visual indication in the car operating panel	S
44		Phase failure protection	S
45		Fire emergency return	S
46		Fireman operation	S
47		Auto rescue device in case of power failure (standard for MRL)	O
48		Door nudging	O
49		Attendant control	O
50		Earthquake function (earthquake sensors by customer)	O
Security	51	Independent operation (car VIP function)	O
	52	VIP Operation (landing operating panel)	O
	53	Compulsory stop floor	O
	54	Provision for CCTV camera signals (in traveling cable)	O

Note: S-Standard feature, O-Optional feature.

PAN India Network

A Nation-wide network of 4 Regional Offices, 21 Branches and 84 Service and Response Centers.

State-of-the-art, Multi-Purpose Facility with Business Support Centre, Product Design Center, Production Facility, Central Warehouse, Centralized Call Center, Experience Center, Training Center/SEED, Product Showroom, and Test Shafts at Chakan, Pune.



North Region
6 Branches

East Region
4 Branches

West Region
6 Branches

South Region
5 Branches

Service Response Centers (SRC)

Agartala, Agra, Ajmer, Akola, Prayagraj, Amravati, Amritsar, Chhatrapati Sambhaji Nagar, Bagalkote, Bahadurgarh, Behror, Baramati, Bareilly, Belagavi, Bathinda, Bhilai, Bhopal, Bokaro, Kozhikode, Chandrapur, Coimbatore, Cuttack, Davangere, Dehradun, DIAL-Delhi, Durgapur, Erode, Faridabad, Gorakhpur, Kalaburagi, Gwalior, Hosapete, Hubballi, Itanagar, Jabalpur, Jalandhar, Jammu, Jamshedpur, Jharsuguda, Jodhpur, Kalinga Nagar, Kannur, Kanpur, Karur, Karwar, Kolhapur, Kollam, Kota, Kottayam, Ludhiana, Madurai, Mangaluru, Manipal, Mysuru, Nagpur, Nashik, Palakkad, Panipat, Patna, Puducherry, Raebareli, Rajkot, Salem, Satna, Shimla, Shivamogga, Sikkim, Siliguri, Solapur, Srinagar, Surat, Thrissur, Tirunelveli, Tiruppur, Tiruchirappalli, Thiruvananthapuram, Thoothukudi, Udaipur, Udampur, Udupi, Vadodara, Varanasi, Vijayawada, & Visakhapatnam

- 
BSC
- 
RO
- 
Branch
- 
SRC
- 
MPF



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