

META100 BRINGS EXTRA TO EVERY MID-RISE

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







meta100

Brings extra to your building

meta100 targets mid-rise buildings in the residential segment. A value for money solution that is faster to install with lower construction costs.

meta100 adds colour and style to any building, plus peace of mind through reliable engineering.

Step up with the meta100.



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 compliment your building ambience.

DESIGNED FOR

- Mid-rise buildings

SPECIFICATIONS

- Machine room and Machineroom-less
- Max. travel height: ≤90m (MR)
- Max. number of stops: ≤32 (MR)
- Max. travel height: ≤80m (MRL)
- Max. number of stops: ≤27 (MRL)
- Max. rated load: ≤1020 kg
- Rated speed: 1.0, 1.50, 1.75 m/s

Makes business sense

meta100 is fast and safe to install, which leads to faster rental revenue thus making perfect business sense.



Maximize your revenue

Compact shaft dimensions give increased rentable floor space and increased building area sales revenue.

A faster completion time hastens occupation and revenue from tenants.

Reduced construction cost

meta100's compact size needs a smaller shaft, which reduces construction cost.

Smaller overhead and pit dimensions, and MRL solution further reduces the material cost.

Finish your project on time

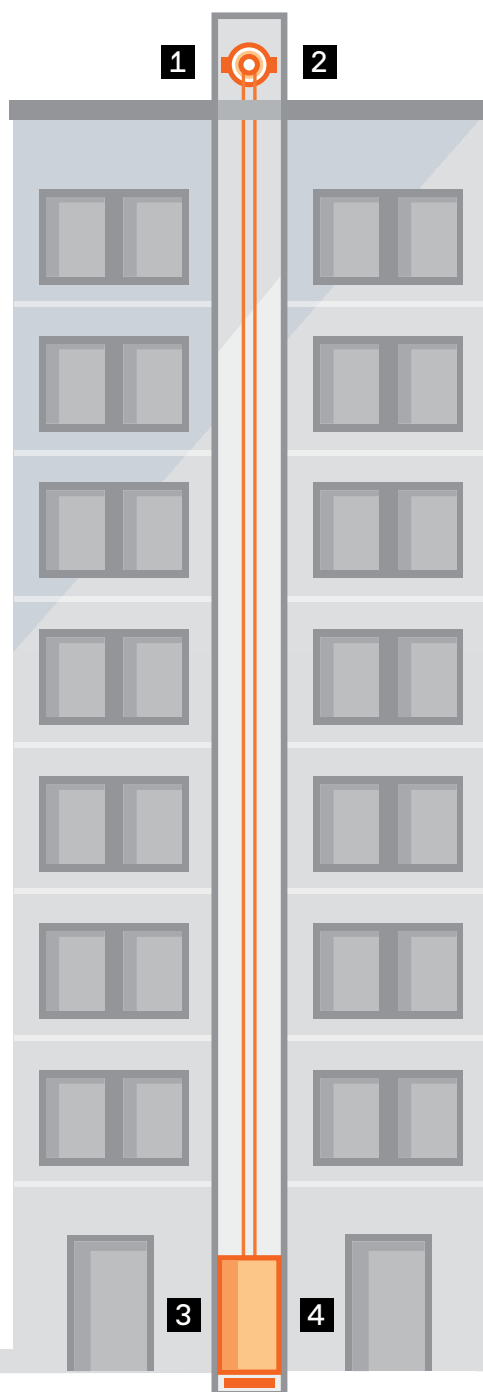
Smart mechanical setup, optimized product design plus a scaffold-free set up makes installation safer and quicker.

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 facilitates energy saving.



2 Reduced maintenance

3 year maintenance free brake shoes and solid/maintenance free bearings reduces maintenance needs and increases uptime.



3 Reliable safety features

Full-height infrared curtain and Auto levelling of 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 gives a smooth, quiet and comfortable ride.

Brightens up your building

Choice of 8 stylish car interiors deliver 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

A stylish interior design with a touch of luxury.



1 VIVA

	Ceiling Daffodil Ivory			Side Wall Daffodil Ivory + Primrose			Rear Wall Daffodil Ivory + Primrose		Front Wall Daffodil Ivory		Door Daffodil Ivory
	Floor Serene Grey										

2 GOLDEN GLOW

	Ceiling Daffodil Ivory			Side Wall Daffodil Ivory + Amber Gold			Rear Wall Daffodil Ivory + Amber Gold		Front Wall Daffodil Ivory		Door Daffodil Ivory
	Floor Real Black										



COP
Red LED
Dot Matrix

CONTEMPORARY

Inspired by contemporary Scandinavian interiors, fused with local flavours.



1 VOGUE

Ceiling	Silver Sky	Side Wall	Silver Sky + Imagica	Rear Wall	Silver Sky+ Imagica	Front Wall	Silver Sky	Door	Silver Sky
Floor	Real Black								

2 OCEAN BLUE

Ceiling	Silver Brunia	Side Wall	Silver Brunia	Rear Wall	Indian Lily	Front Wall	Silver Brunia	Door	Silver Brunia
Floor	Eternity								



COP
Red LED
Dot Matrix

NATURAL HOME

A cosy, warm and comfortable interior setting, created using natural textures.



1 ALPINE

	Ceiling Daffodil Ivory		Rear Wall Coneflower		Front Wall Daffodil Ivory		Door Daffodil Ivory
	Side Wall Daffodil Ivory						
	Floor Real Black						

2 STERLING

	Ceiling Silver Brunia		Rear Wall Silver Brunia + Pearly Snow		Front Wall Silver Brunia		Door Silver Brunia
	Side Wall Silver Brunia + Pearly Snow						
	Floor Real Black						



COP
Red LED
Dot Matrix

CLASSIC

A mix of soothing classic color with elegant stainless steel finish for that modern twist.



1 CREAMY FLAIR

	Ceiling Daffodil Ivory		Side Wall Daffodil Ivory		Rear Wall Daffodil Ivory		Front Wall Daffodil Ivory		Door Daffodil Ivory
	Floor Real Black								

2 PRIME

	Ceiling Silver Sky		Side Wall Silver Sky		Rear Wall Silver Sky		Front Wall Silver Sky		Door Silver Sky
	Floor Real Black								



COP
Red LED
Dot Matrix

FIXTURES

User friendly design options for ease of use.

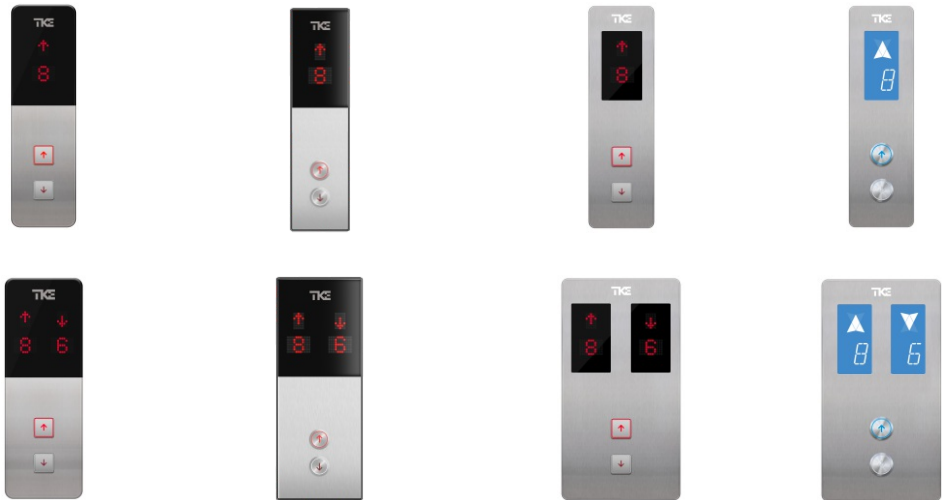
COP



Type	Full Length	Full Length	Full Length	Full Length
Faceplate	SSHL	SSHL	SSHL	SSHL
Indicator	Red LED Dot Matrix	Red LED Dot Matrix	Blue-White LCD	Blue-White LCD
Button/ Illumination	MT42/ Red	AN180/ Red	MT42/ Blue	AN180/ Blue

*meta100 offers half length COP's also.

LIOP



Type	LS2C & LD2C	LS3A & LD3A	LS1A & LD1A	LS1A & LD1A
Faceplate	SSHL	SSHL	SSHL	SSHL
Indicator	Red LED Dot Matrix	Red LED Dot Matrix	Red LED Dot Matrix	Blue-White LCD
Button/ Illumination	MT42 Red	AN180 Red	MT42 Red	AN180 Blue

LOP/Hall Indicator



Type	LI3A & LB3A
Faceplate	SSHL
Indicator	Red LED Dot Matrix
Button/ Illumination	MT42 /AN180 Red

Type	LI2C & LB2C
Faceplate	SSHL
Indicator	Red LED Dot Matrix
Button/ Illumination	MT42 /AN180 Red

Hall Lantern



Type	HL107	HL104	HL101
Illumination	Green/Red	White	White

Buttons



*All these landing fixtures are wall mounted.

ACCESSORIES

Designed with the same precision as our mechanical engineering to give quality satisfaction.



Ceiling



Center LED



Square LED



Round LED

Handrail



SS Hairline

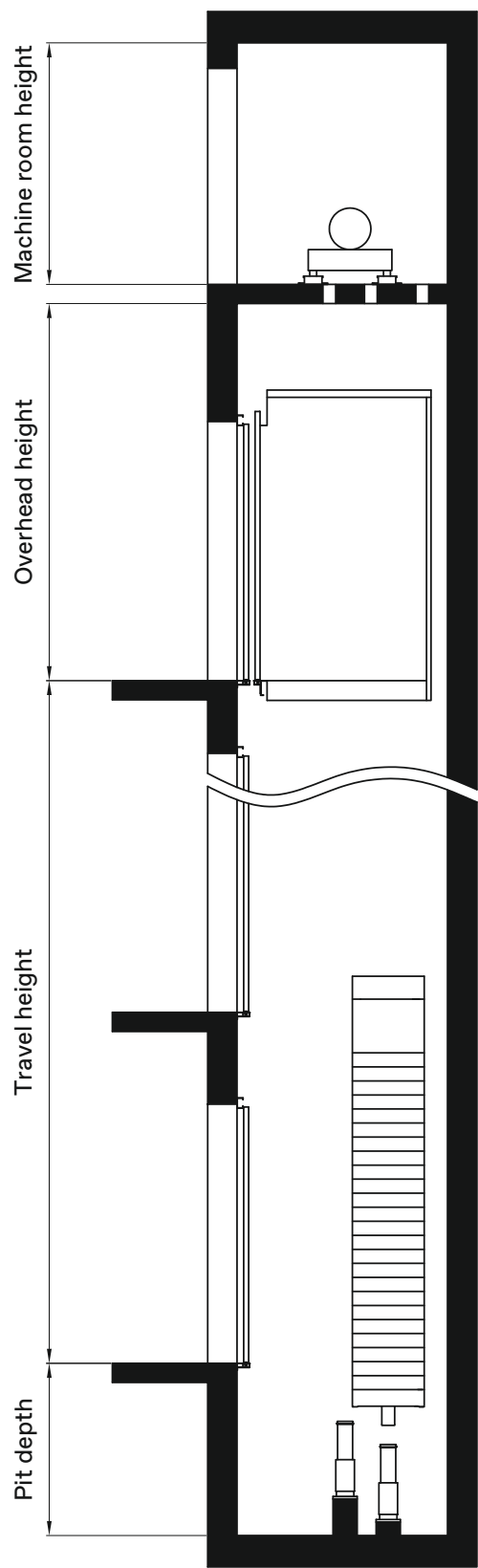
- Actual colours of the product may vary from the printed brochure.
- SS Handrail (on rear wall) and Mirror (full width, half length) is optional.
- COP/LOP/LIOP Button comes with Braille as a standard option.

Mirror



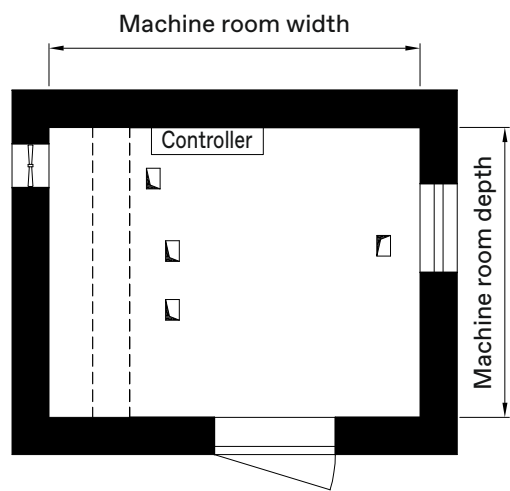
LAYOUT

Shaft vertical section

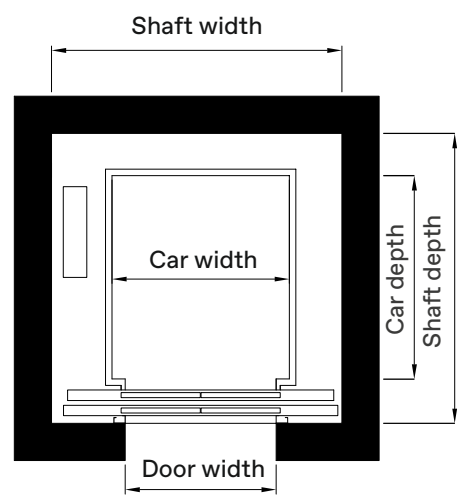


Above illustration is of Automatic center opening

Machine room plan



Top floor elevator plan



TECHNICAL SPECIFICATIONS

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)
340	5	ACO	700	900x1000	1600x1540*	2025x1840*
408	6	ACO	700	900x1150	1600x1550*	2025x1850*
		ATO	700	900x1150	1525x1625*	2025x1925*
		ACO	800	900x1150	1800x1550*	2025x1850*
		ATO	800	900x1150	1575x1625*	2025x1925*
		ACO	700	1000x1400	1625x1725	2125x2025
544	8	ATO	700	1000x1400	1625x1800	2125x2100
		ACO	800	1000x1400	1800x1725	2125x2025
		ATO	800	1000x1400	1625x1800	2125x2100
		ACO	800	1050x1400	1800x1750	2175x2050
612	9	ACO	900	1050x1400	2000x1750	2175x2050
		ATO	900	1050x1400	1715x1825	2175x2125
		ACO	800	1150x1450	1800x1775	2275x2075
680	10	ACO	900	1150x1450	2000x1775	2275x2075
		ATO	900	1150x1450	1775x1850	2275x2150
		ACO	800	1100x2000	1800x2325	2225x2625
884	13	ACO	900	1100x2000	2000x2325	2225x2625
		ATO	1000	1100x2000	1875x2400	2225x2700
		ACO	800	1250x1650	1875x1975	2375x2275
		ATO	900	1250x1650	1875x2050	2375x2350
		ACO	900	1350x1550	2000x1875	2475x2175
		ATO	1000	1350x1550	2000x1950	2475x2250
		ACO	800	1000x2400	1800x2710	2125x3010
1020	15	ATO	900	1000x2400	1725x2785	2125x3085
		ACO	900	1450x1700	2100x2025	2575x2325
		ACO	1000	1450x1700	2200x2025	2575x2325
		ATO	1000	1450x1700	2100x2100	2575x2400

*Applicable for 1.0 m/s only, 340 kg & 408 kg not available in 1.5 & 1.75 m/s speed

■ Machine Room Height- 2500 mm

■ Machine Room Dimensions

MRW= SW+500 mm (machine room extension at Machine side)

MRD= SD

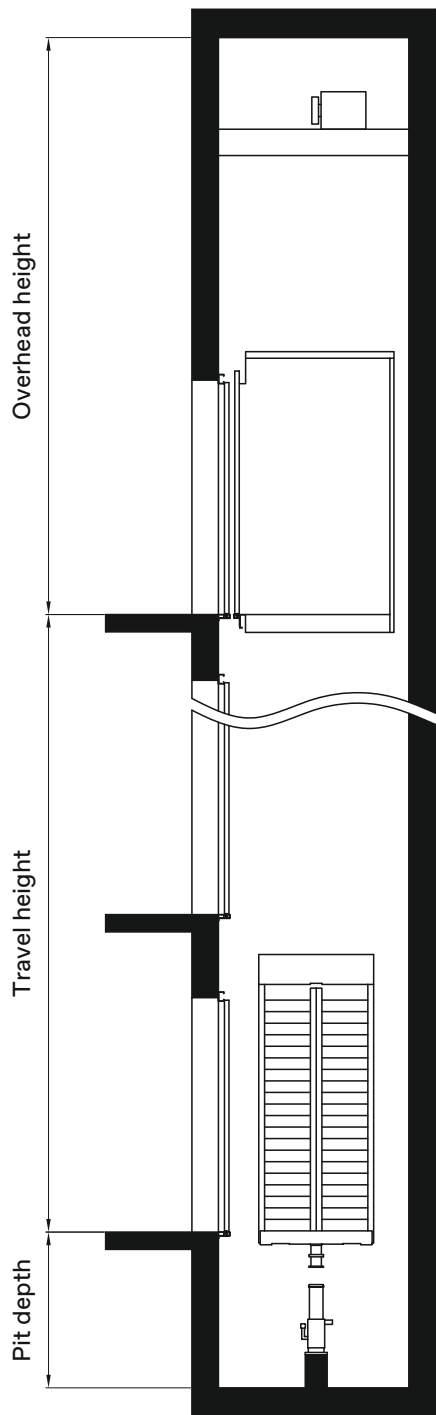
Abbreviations:

CW: Car width, CD: Car depth, CH: Car height (Car inside clear height), DW: Door width, DH: Door height, SW: Shaft width, SD: Shaft depth, ACO: Automatic center opening, ATO: Automatic telescopic opening, FTFH: Floor to floor height, TH: Travel height, OH: Overhead, PD: Pit depth, MR: Machine room, MRW: Machine room width, MRD: Machine room depth, MRH: Machine room height

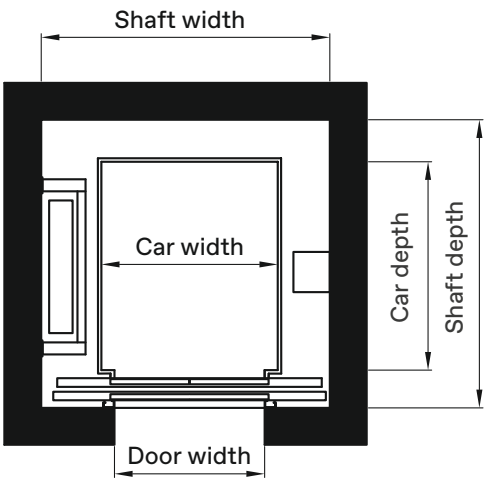
meta100 MRL

LAYOUT

Shaft vertical section



Top floor elevator plan



Above illustration is of Automatic center opening

TECHNICAL SPECIFICATIONS

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)
340	5	ACO	700	900x1000	1620x1400*	1950x1700*
		ATO	700	900x1000	1510x1475*	1950x1775*
408	6	ACO	800	1000x1100	1800x1525*	2050x1825*
		ATO	800	1000x1100	1610x1600*	2050x1900*
544	8	ACO	800	1100x1300	1800x1610	2150x1910
		ATO	800	1100x1300	1710x1690	2150x1990
		ACO	900	1100x1300	2000x1610	2150x1910
		ATO	900	1100x1300	1710x1690	2150x1990
612	9	ACO	800	1100x1400	1800x1710	2150x2010
		ATO	800	1100x1400	1710x1790	2150x2090
		ACO	900	1100x1400	2000x1710	2150x2010
		ATO	900	1100x1400	1710x1790	2150x2090
680	10	ACO	800	1100x1600	1800x1910	2150x2210
		ATO	800	1100x1600	1730x1990	2150x2290
		ACO	900	1100x1600	2000x1910	2150x2210
		ATO	900	1100x1600	1730x1990	2150x2290
		ACO	800	1300x1350	1930x1675	2350x1975
		ACO	900	1300x1350	2000x1675	2350x1975
		ATO	900	1300x1350	1930x1750	2350x2050
		ATO	900	1300x1350	1930x1750	2350x2050
884	13	ACO	800	1100x2000	1800x2310	2150x2610
		ATO	800	1100x2000	1730x2390	2150x2690
		ACO	900	1100x2000	2000x2310	2150x2610
		ATO	900	1100x2000	1730x2390	2150x2690
		ACO	900	1600x1350	2230x1775	2650x2075
		ACO	1000	1600x1350	2245x1775	2650x2075
		ATO	1000	1600x1350	2230x1850	2650x2150
		ACO	1100	1600x1350	2400x1775	2650x2075
		ATO	1100	1600x1350	2230x1850	2650x2150
		ATO	1100	1600x1350	2230x1850	2650x2150
1020	15	ACO	800	1100x2200	1800x2510	2150x2810
		ATO	800	1100x2200	1730x2590	2150x2890
		ACO	900	1100x2200	2000x2510	2150x2810
		ATO	900	1100x2200	1730x2590	2150x2890
		ACO	900	1600x1500	2230x1810	2650x2110
		ACO	1000	1600x1500	2245x1810	2650x2110
		ATO	1000	1600x1500	2230x1890	2650x2190
		ACO	1100	1600x1500	2400x1810	2650x2110
		ATO	1100	1600x1500	2230x1890	2650x2190
		ATO	1100	1600x1500	2230x1890	2650x2190

*Applicable for 1.0 m/s only, 340 kg & 408 kg not available in 1.5 & 1.75 m/s speed

Abbreviations:

CW: Car width, CD: Car depth, CH: Car height (Car inside clear height), DW: Door width, DH: Door height, SW: Shaft width, SD: Shaft depth, ACO: Automatic center opening, ATO: Automatic telescopic opening, FTFH: Floor to floor height, TH: Travel height, OH: Overhead, PD: Pit depth, MR: Machine room, MRW: Machine room width, MRD: Machine room depth, MRH: Machine room height

GENERAL PLANNING DATA

GENERAL DATA	MR	MRL
Minimum overhead (OH) (mm)		
1 m/s speed	3850 (CH=2200 mm)	3850 (CH=2200 mm)
1.5 & 1.75 m/s speed	4050 (CH=2200 mm)	4500 (CH=2200 mm)
Minimum pit depth (PD) (mm)		
1 m/s speed	1540	1510
1.5 & 1.75 m/s speed	1690	1660
Minimum floor to floor height (mm)	Door height + 600	Door height + 600
Maximum floor to floor height (mm)	11000	11000
Maximum travel height (TH) (m)		
1 m/s speed	50	45
1.5 & 1.75 m/s speed	80 & 90	80
Door height (mm)	2000/2100/2200	2000/2100/2200
Car height (mm)	2200/2300/2400	2200/2300

* In case of car height 2300 mm & 2400mm, additional OH is required as 100 mm & 200 mm respectively to min OH mentioned above for 2200 mm Car height

* In case of marble/granite additional pit depth of 20 mm will be required to min. pit depth mentioned above

PERMITTED DEVIATION FOR SW & SD

Shaft height (SH) mm	Sh≤30 m	30 m<SH≤60 m	60 m<SH≤90 m
Permitted deviation	0~+25 mm	0~+35 mm	0~+50 mm

- Please follow the dimensions and tolerances provided above when planning your elevator shaft.
- If you require any further information, our sales representatives will be happy to help.

FUNCTION LIST

CATEGORY	NO.	FUNCTION	STANDARD / OPTION
Enhanced Car Function	1	ACVVVF closed loop drive	S
	2	Automatic operation for car fan	S
	3	Full load by-pass	S
Group/Duplex control	4	2-8 Car group, with independent operation feature	O
	5	Dispersed waiting and Peak service function	O
	6	Continuity of service: car experiencing trouble withdrawn from group	S
Human Machine Interface	7	Dot matrix scrolling display in COP, LIOP	S
	8	Door open/door close buttons in car operating panel	S
	9	Car arrival chime on car top	O
	10	Hall indicator with scrolling dot matrix display in red color (landing operating panel will be w/o display)	O
	11	Hall lantern (applicable for duplex only)	O
	12	LCD in car/ landing operating panel (5.7"/ 4.3" blue and white)	O
	13	Provision for music system wiring (in travelling cable)	O
	14	Voice announcement unit (English language only)	O
Monitoring	15	Intercom 3-way (elevator car, controller and lobby/security)	S
	16	Interface to Building Monitoring System (BMS) through potential free contacts/RS485	O
Passenger Comfort	17	Anti- nuisance (car call cancellation at direction reversal)	S
	18	Braille on push buttons	S
	19	Car call cancellation by double pressing floor button in car operating panel	S
	20	Home landing	S
	21	Advance door opening	O
	22	Re-levelling with door open	O
	23	Floor blocking (floor out of service)	O
	24	Parking operation (key switch in landing operating panel)	O
	25	Re-level to nearest floor at power on	O
	26	2nd COP in car (for 13 pax and above)	O
	27	Adjustable waiting time for opening door at the main landing	S
	28	Next landing: onward travel to the next stop in the case of a non-opening door	S

Note: S - Standard O - Option

FUNCTION LIST

CATEGORY	NO.	FUNCTION	STANDARD / OPTION
Safety & Emergency Function	29	Anti-nuisance "limit number of car call when empty load"	S
	30	Automatic operation for car fan and light	S
	31	Alarm button in COP with battery back-up	S
	32	Adjustable door open time	S
	33	Door closing retries	S
	34	Emergency light in COP	S
	35	2D Infra-red screen for car door (3D optional)	S
	36	Inspection operation from controller and car top	S
	37	Jammed landing operating panel call button by-pass	S
	38	Motor overheat protection	S
	39	Overload function with audio-visual indication in car operating panel	S
	40	Phase failure and Phase reversal protection	S
	41	Fire emergency return	S
	42	Fireman operation	O
	43	Auto rescue device in case of power failure (Standard for MRL)	O
	44	Door nudging	O
	45	Earthquake function (earthquake sensors by customer)	O
Security	46	VIP Operation (landing operating panel VIP Function)	O
	47	Compulsory stop floor	O
	48	Attendant control	O
	49	Independent operation (car VIP function)	O
	50	Provision for CCTV camera signals (in travelling cable)	O

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Note: S - Standard O - Option

「YOUR INNOVATION PARTNER」

Elevators and escalators under maintenance

1,200,000

Customers in countries

100+

Employees

50,000+

Service available for customers

24/7

Locations

1,000+

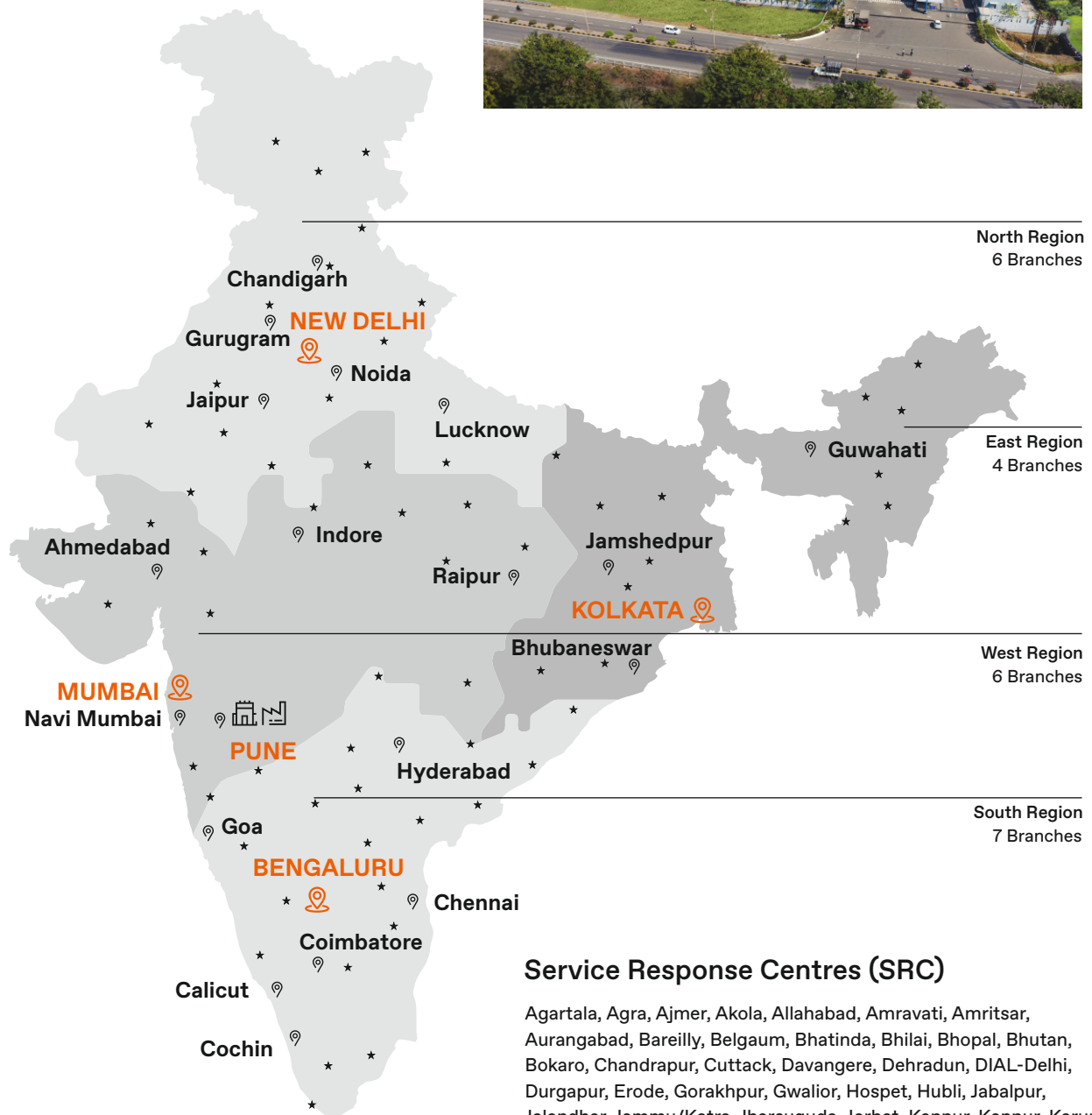
Service technicians

24,000+

PAN India network

Nation-wide network of 4 Regional Offices,
23 Branches and 74 Service and Response Centres.

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



Service Response Centres (SRC)

Agartala, Agra, Ajmer, Akola, Allahabad, Amravati, Amritsar, Aurangabad, Bareilly, Belgaum, Bhatinda, Bhilai, Bhopal, Bhutan, Bokaro, Chandrapur, Cuttack, Davangere, Dehradun, DIAL-Delhi, Durgapur, Erode, Gorakhpur, Gwalior, Hospet, Hubli, Jabalpur, Jalandhar, Jammu/Katra, Jharsuguda, Jorhat, Kannur, Kanpur, Karur, Karwar, Kolhapur, Kollam, Kota, Kottayam, Ludhiana, Madurai, Mysore, Nagpur, Nashik, Palakkad, Panipat/Sonipat, Patna, Pondicherry, Rajkot, Raichur, Ranchi, Salem, Satna, Shaktinagar, Shimoga, Sikkim, Siliguri, Solan, Srinagar, Surat, Thrissur, Tirunelveli, Tirupati, Tirupur, Trichy, Trivandrum, Tuticorin, Udaipur, Udupi, Manipal, Valsad, Varanasi, Vijayawada, Visakhapatnam & Vadodara.



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