

PASSENGER LIFT

TRIDENT

TRIDENT QUANTUM SDN BHD

LIFT AND ESCALATOR SPECIALIST

TRIDENT QUANTUM SDN BHD.

COMPANY PROFILE



NEW OFFICE UNDER DEVELOPMENT

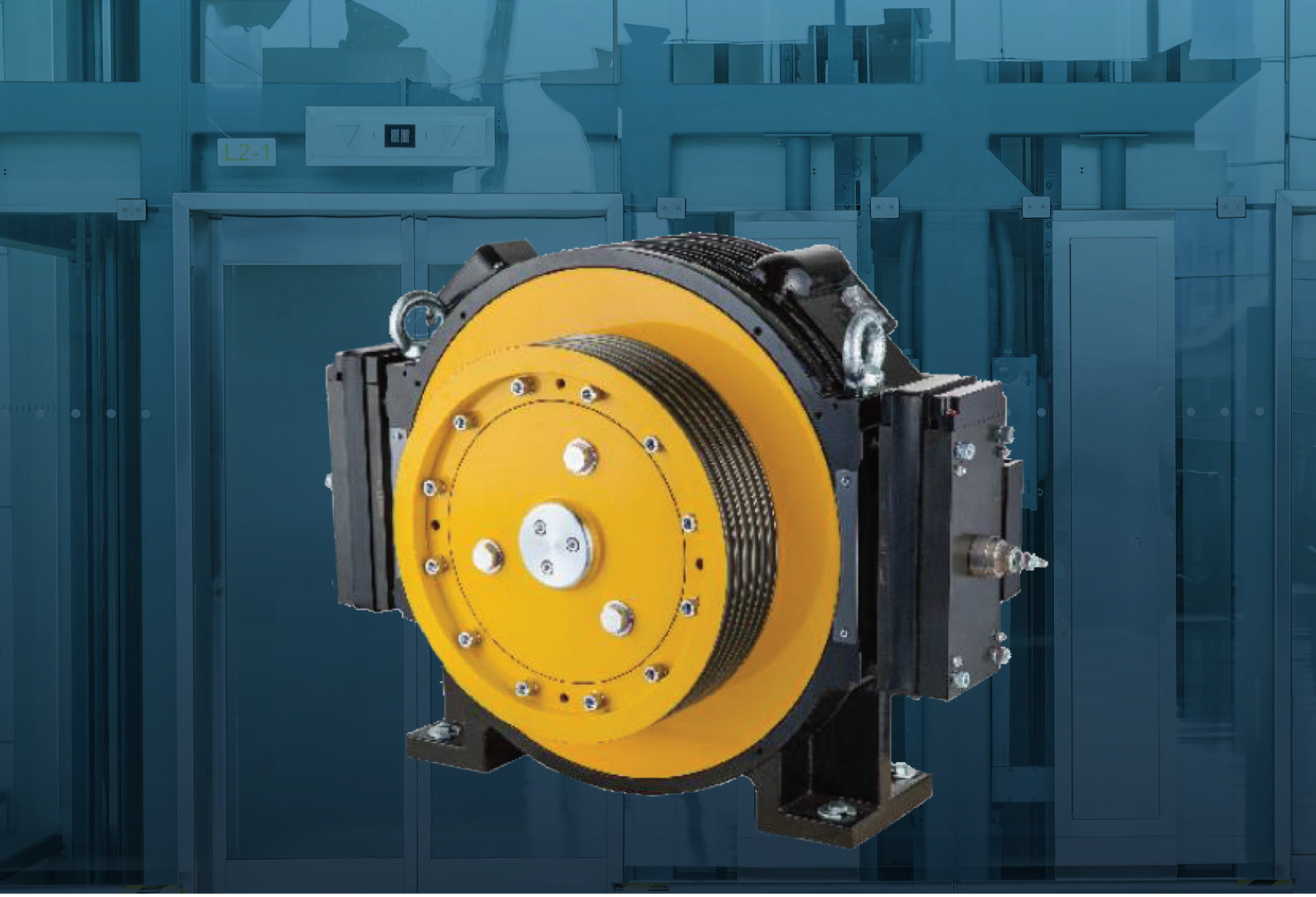


TRIDENT Quantum Sdn Bhd was incorporated on the 7th November 2007, in Malaysia under the Companies Act, 1965.

Specializing in the distribution and supply of engineering products and solutions for the mechanical and electrical industries with the primary focus on the Vertical Transportation market segment. As a Lift Competent Firm (FYK) approved by the Department of Occupational Safety and Health (DOSH), TRIDENT provides comprehensive solutions and services for the installation, testing, commissioning, maintenance, and modernization of lifts, escalators, travelators, dumbwaiters, and more.

Since its inception, TRIDENT has established significant trust with both its principal suppliers and customers. This is reflected in its impressive portfolio of projects, encompassing more than 400 units of equipment (both completed and ongoing), and with over 1200 units under its care.

With over 16 years of experience, coupled with innovative solutions that emphasize reliability and quality, TRIDENT is well-prepared to partner with you for all your vertical transportation needs.



PERMANENT MAGNET (PM)
GEARLESS TRACTION MACHINE

UNLIKE GEARED TRACTION MACHINES, OUR GEARLESS MODEL OFFERS THE FOLLOWING ADVANTAGES:

HIGHER EFFICIENCY

- More energy efficient due to fewer moving parts which reduces frictional losses

SMOOTH AND QUIET OPERATION

- Operates quietly and smoothly due to the absence of gears

LOWER MAINTENANCE REQUIREMENTS

- Due to fewer mechanical components, a gearless motor would require less frequent maintenance and offers a longer lifespan
- Does not require lubrication

SPACE SAVINGS SOLUTIONS

- More compact, allowing for more efficient use of the surrounding space.
  May be used as well in machine roomless (MRL) applications

HIGHER SPEED AND PERFORMANCE

- Capable of achieving higher speeds

BETTER RIDE QUALITY

- The direct drive mechanism of gearless machines results in a more comfortable ride for passengers due to reduced vibrations and jolts.

ENVIRONMENTAL BENEFITS (GREEN OPERATION)

- Being more energy efficient means that energy consumption is reduced contributing to lower carbon emissions
- Eliminates oil pollution as it does not require lubrication, gearless, gear oil not required.
- Option to attach an energy feedback system (Regenerative Drive)

RELIABILITY

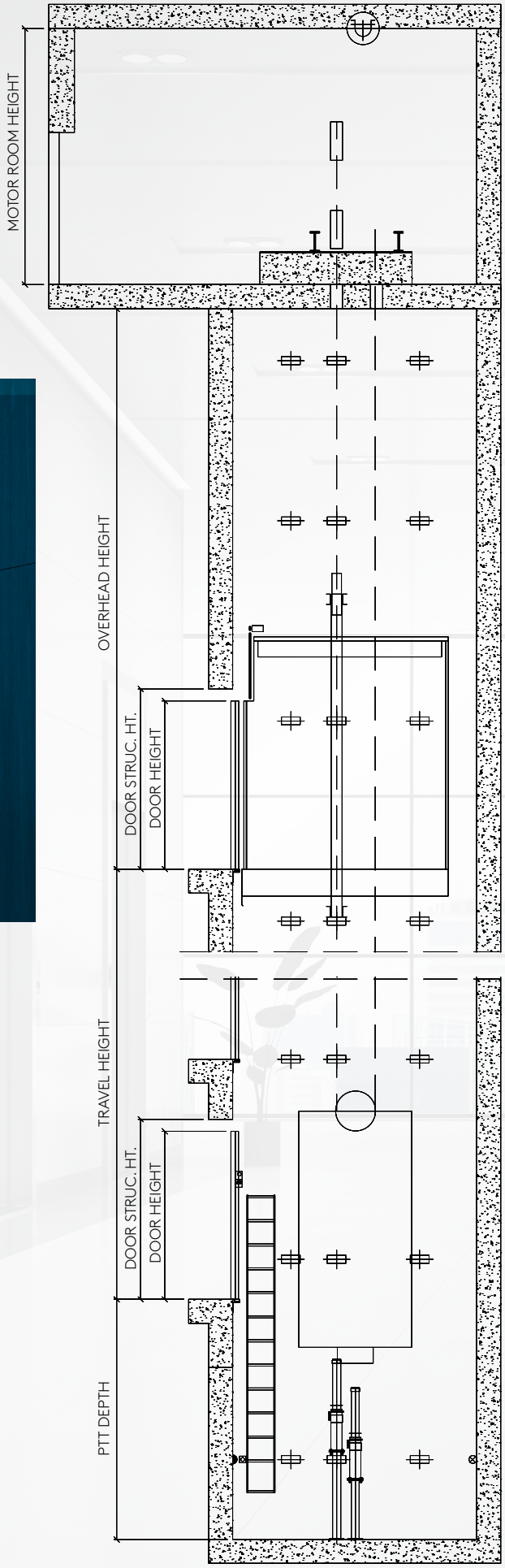
- The robust design tends to result in higher reliability and fewer breakdowns, ensuring consistent and dependable lift service.



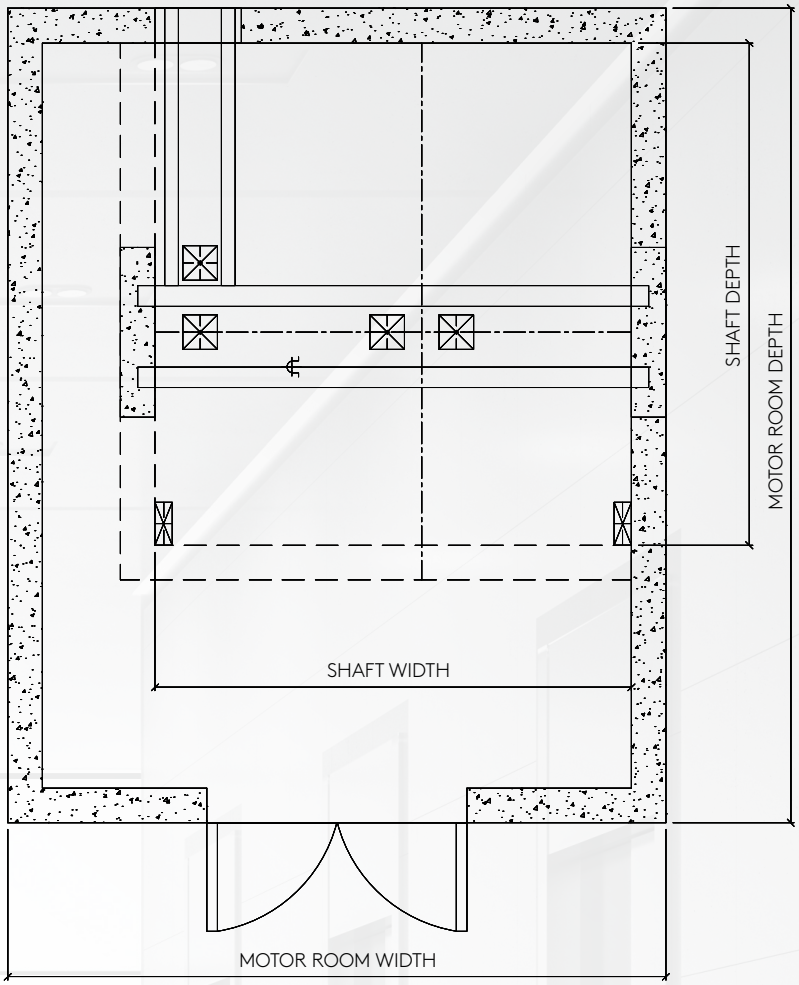
PASSENGER LIFT
MACHINE ROOM

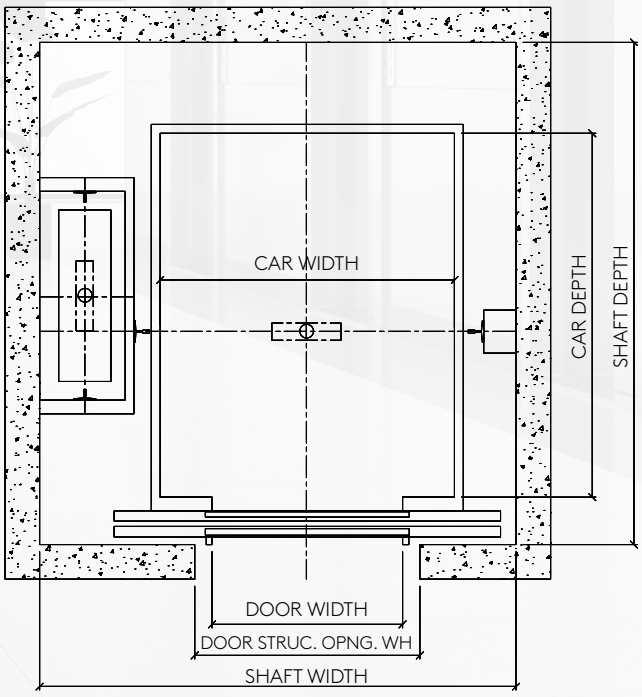
Our Machine Room lift design optimises space by using well- designed traction machines and control cabinets to suit different types of rooms.

The advantage of this design is the ability for it to cater for high-speed travel, higher loading capacity.



CONSTRUCTION LAYOUT


SHAFT DEPTH
MOTOR ROOM DEPTH
SHAFT WIDTH
MOTOR ROOM WIDTH


CAR WIDTH
CAR DEPTH
SHAFT DEPTH
DOOR WIDTH
DOOR STRUC. OPNG. WH
SHAFT WIDTH

CONSTRUCTION
PARAMETER LIST

CAPACITY		SPEED		DOOR OPENING (MM)	CAR SIZE W X D X H (MM)	SHAFT SIZE W X D (MM)	OVERHEAD (MM)	PIT DEPTH (MM)	MOTOR ROOM HEIGHT (MM)
LOAD (KG)	NO. OF PERSON	MPM	MPS						
750	10	60	1.0	800	1300 x 1400 x 2300	2200 x 2150	4600	1600	3000
		90	1.5				4800	1800	
		105	1.75				5000	2000	
825	11	60	1.0		1300 x 1500 x 2300	2200 x 2250	4600	1600	
		90	1.5				4800	1800	
		105	1.75				5000	2000	
975	13	60	1.0	900	1500 x 1500 x 2300	2300 x 2250	4600	1600	3000
		90	1.5				4800	1800	
		105	1.75				5000	2000	
		120	2.0				5200	2200	
		150	2.5				5700	2400	3200
1125	15	60	1.0	1000	1600 x 1550 x 2300	2400 x 2300	4600	1600	3000
		90	1.5				4800	1800	
		105	1.75				5000	2000	
		120	2.0				5200	2200	
		150	2.5				5700	2400	3200
		180	3.0				6000	3600	
		210	3.5				6400	4000	
		240	4.0				7100	4500	
		60	1.0		1200 x 2100 x 2300	2400 x 2600	4600	1600	3000
		90	1.5				4800	1800	
		105	1.75				5000	2000	
		120	2.0				5200	2200	
		150	2.5				5700	2400	3200
		180	3.0				6000	3600	
		210	3.5				6400	4000	
		240	4.0				7100	4500	
1275	17	60	1.0	1100	1650 x 1650 x 2300	2600 x 2400	4600	1600	3000
		90	1.5				4800	1800	
		105	1.75				5000	2000	
		120	2.0				5200	2200	
		150	2.5				5700	2400	3200
		180	3.0				6000	3600	
		210	3.5				6400	4000	
		240	4.0				7100	4500	
		60	1.0		1300 x 2100	2500 x 2600	4600	1600	3000
		90	1.5				4800	1800	
		105	1.75				5000	2000	
		120	2.0				5200	2200	
		150	2.5				5700	2400	3200
		180	3.0				6000	3600	
		210	3.5				6400	4000	
		240	4.0				7100	4500	

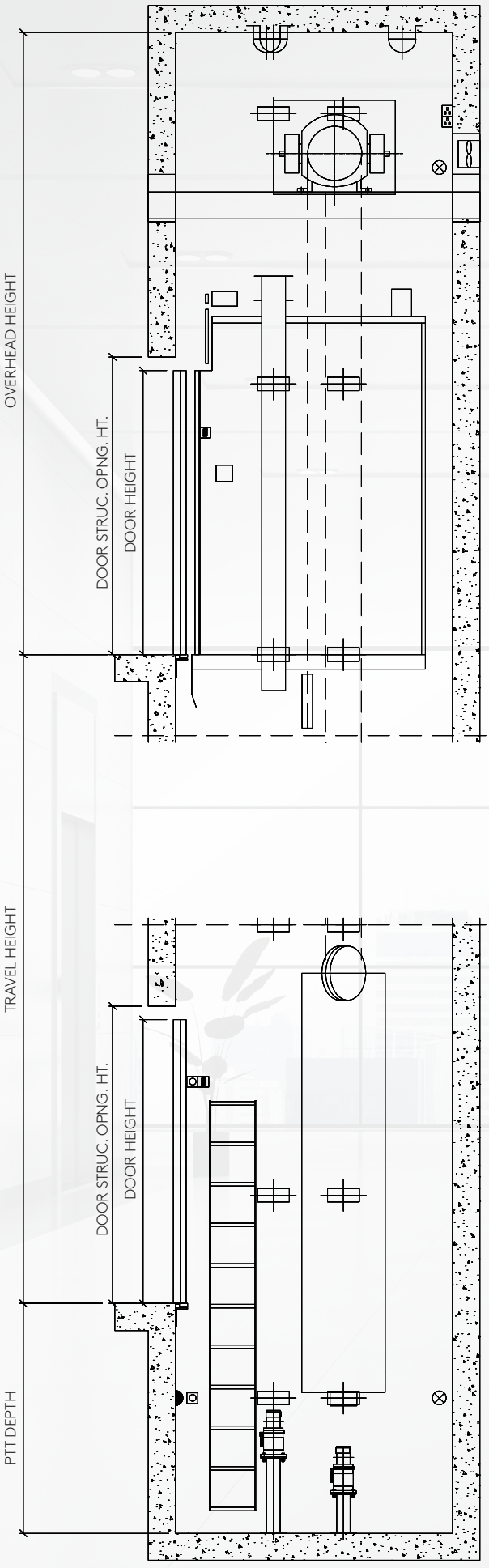
CAPACITY		SPEED		DOOR OPENING (MM)	CAR SIZE W X D X H (MM)	SHAFT SIZE W X D (MM)	OVERHEAD (MM)	PIT DEPTH (MM)	MOTOR ROOM HEIGHT (MM)
LOAD (KG)	NO. OF PERSON	MPM	MPS						
1425	19	60	1.0	1100	1750 x 1750 x 2300	2600 x 2600	4600	1600	3000
		90	1.5				4800	1800	
		105	1.75				5000	2000	
		120	2.0				5200	2200	
		150	2.5				5700	2400	3200
		180	3.0				6000	3600	
		210	3.5				6400	4000	
		240	4.0				7100	4500	
		60	1.0		1500 x 2100 x 2300	2650 x 2700	4600	1600	3000
		90	1.5				4800	1800	
		105	1.75				5000	2000	
		120	2.0				5200	2200	
		150	2.5				5700	2400	3200
		180	3.0				6000	3600	
		210	3.5				6400	4000	
		240	4.0				7100	4500	
1500	20	60	1.0	1200	1800x 1800 x 2300	2750 x 2700	4600	1600	3000
		90	1.5				4800	1800	
		105	1.75				5000	2000	
		120	2.0				5200	2200	
		150	2.5				5700	2400	3200
		180	3.0				6000	3600	
		210	3.5				6400	4000	
		240	4.0				7100	4500	
		60	1.0		1550 x 2100 x 2300	2800x 2700	4600	1600	3000
		90	1.5				4800	1800	
		105	1.75				5000	2000	
		120	2.0				5200	2200	
		150	2.5				5700	2400	3200
		180	3.0				6000	3600	
		210	3.5				6400	4000	
		240	4.0				7100	4500	
1575	21	60	1.0		1900x 1800 x 2300	2750 x 2700	4600	1600	3000
		90	1.5				4800	1800	
		105	1.75				5000	2000	
		120	2.0				5200	2200	
		150	2.5				5700	2400	3200
		180	3.0				6000	3600	
		210	3.5				6400	4000	
		240	4.0				7100	4500	
		60	1.0		1600x 2100 x 2300	2800x 2700	4600	1600	3000
		90	1.5				4800	1800	
		105	1.75				5000	2000	
		120	2.0				5200	2200	
		150	2.5				5700	2400	3200
		180	3.0				6000	3600	
		210	3.5				6400	4000	
		240	4.0				7100	4500	
1725	23	60	1.0	1200	1850x 1900 x 2300	2800x 2700	4600	1600	3000
		90	1.5				4800	1800	
		105	1.75				5000	2000	
		120	2.0				5200	2200	
		150	2.5				5700	2400	3200
		180	3.0				6000	3600	
		210	3.5				6400	4000	
		240	4.0				7100	4500	
		60	1.0		1700x 2100 x 2300	2850 x 2700	4600	1600	3000
		90	1.5				4800	1800	
		105	1.75				5000	2000	
		120	2.0				5200	2200	
		150	2.5				5700	2400	3200
		180	3.0				6000	3600	
		210	3.5				6400	4000	
		240	4.0				7100	4500	

PASSENGER LIFT

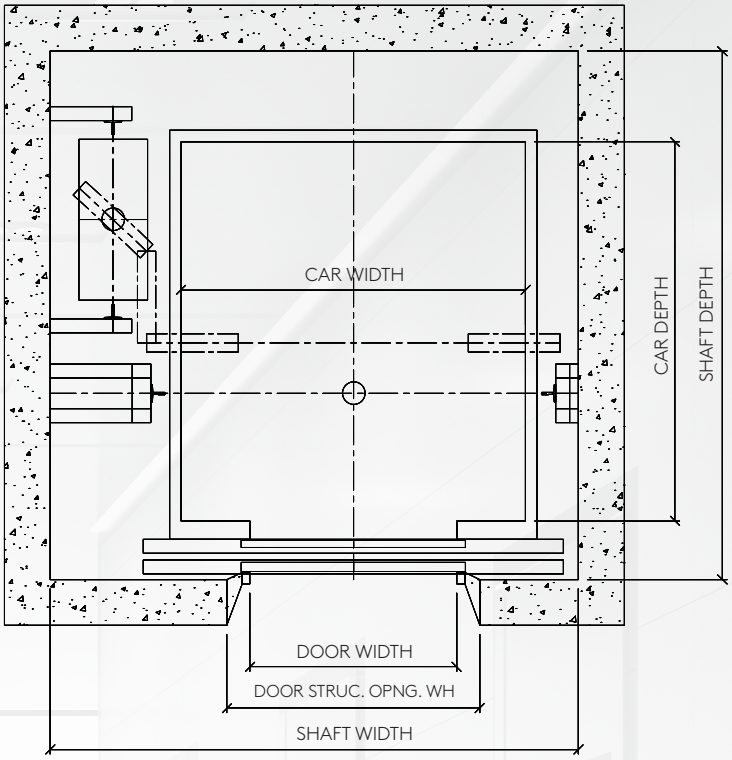
MACHINE ROOMLESS - MRL

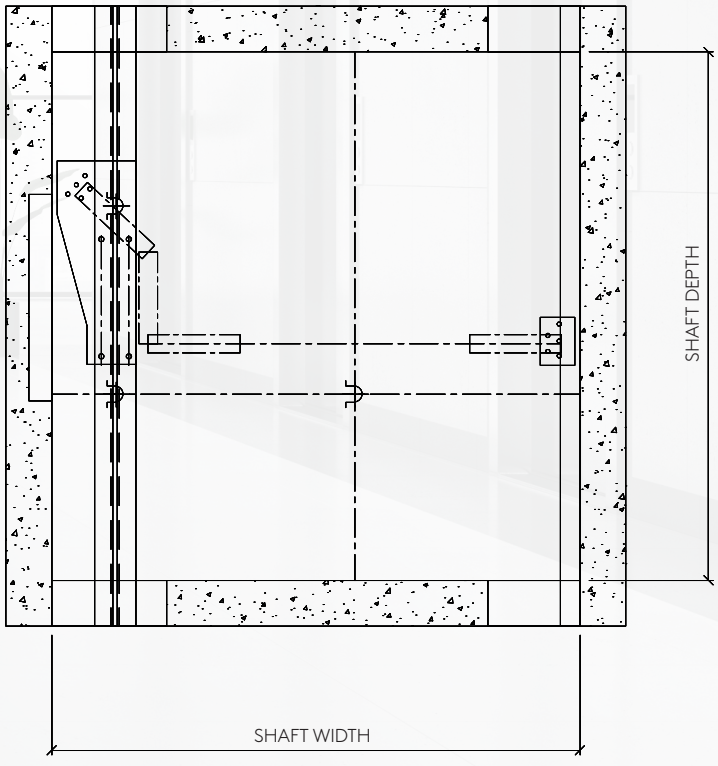
Our Machine Roomless (MRL) lift design eliminates the need for a separate machine room thereby significantly reducing the occupied building space and costs.

This is achieved by integrating the traction machine in the overhead area and compacting the control cabinet to an aesthetic form located at the top floor.



CONSTRUCTION LAYOUT


CAR WIDTH
CAR DEPTH
SHAFT DEPTH
DOOR WIDTH
DOOR STRUC. OPNG. WH
SHAFT WIDTH


SHAFT DEPTH
SHAFT WIDTH

CONSTRUCTION PARAMETER LIST

CAPACITY		SPEED		DOOR OPENING (MM)	CAR SIZE W X D X H (MM)	SHAFT SIZE W X D (MM)	OVERHEAD (MM)	PIT DEPTH (MM)
LOAD (KG)	NO. OF PERSON	MPM	MPS					
450	6	60	1.0	800	1000 x 1250 x 2300	2100 x 1900	4600	1600
		90	1.5				4800	1800
		105	1.75				5000	2000
675	9	60	1.0		1200 x 1400 x 2300	2250 x 1900	4600	1600
		90	1.5				4800	1800
		105	1.75				5000	2000
750	10	60	1.0		1300 x 1400 x 2300	2250 x 1950	4600	1600
		90	1.5				4800	1800
		105	1.75				5000	2000
825	11	60	1.0		1300 x 1500 x 2300	2300 x 2100	4600	1600
		90	1.5				4800	1800
		105	1.75				5000	2000
975	13	60	1.0	900	1500 x 1500 x 2300	2400 x 2100	4600	1600
		90	1.5				4800	1800
		105	1.75				5000	2000
1125	15	60	1.0	1000	1600 x 1600 x 2300	2600 x 2200	4600	1600
		90	1.5				4800	1800
		105	1.75				5000	2000
		120	2.0				5200	2200
		60	1.0		1200 x 2100 x 2300	2350 x 2600	4600	1600
		90	1.5				4800	1800
		105	1.75				5000	2000
		120	2.0				5200	2200
1275	17	60	1.0	1100	1650 x 1650 x 2300	2700 x 2300	4600	1600
		90	1.5				4800	1800
		105	1.75				5000	2000
		120	2.0				5200	2200
		60	1.0		1300 x 2100 x 2300	2600 x 2700	4600	1600
		90	1.5				4800	1800
		105	1.75				5000	2000
		120	2.0				5200	2200
1425	19	60	1.0		1750 x 1750 x 2300	2850 x 2350	4600	1600
		90	1.5				4800	1800
		105	1.75				5000	2000
		120	2.0				5200	2200
		60	1.0		1500 x 2100 x 2300	2700 x 2700	4600	1600
		90	1.5				4800	1800
		105	1.75				5000	2000
		120	2.0				5200	2200

CAPACITY		SPEED		DOOR OPENING (MM)	CAR SIZE W X D X H (MM)	SHAFT SIZE W X D (MM)	OVERHEAD (MM)	PIT DEPTH (MM)
LOAD (KG)	NO. OF PERSON	MPM	MPS					
1500	20	60	1.0	1200	1800 x 1800 x 2300	2950 x 2350	4600	1600
		90	1.5				4800	1800
		105	1.75				5000	2000
		120	2.0				5200	2200
		60	1.0		1550 x 2100 x 2300	2850 x 2750	4600	1600
		90	1.5				4800	1800
		105	1.75				5000	2000
		120	2.0				5200	2200
1575	21	60	1.0		1800 x 1900 x 2300	2950 x 2450	4600	1600
		90	1.5				4800	1800
		105	1.75				5000	2000
		120	2.0				5200	2200
		60	1.0		1600 x 2100 x 2300	2850 x 2750	4600	1600
		90	1.5				4800	1800
		105	1.75				5000	2000
		120	2.0				5200	2200
1725	23	60	1.0	1200	1850 x 1900 x 2300	3000 x 2450	4600	1600
		90	1.5				4800	1800
		105	1.75				5000	2000
		120	2.0				5200	2200
		60	1.0		1700 x 2100 x 2300	2900 x 2750	4600	1600
		90	1.5				4800	1800
		105	1.75				5000	2000
		120	2.0				5200	2200



CABIN DESIGN
STANDARD SERIES



TD-K014

CEILING : Mirror stainless steel frame with acrylic light-transmitting panels and LED downlights

REAR CAR WALL : Mirror stainless steel with LED strips surrounded by sandblasted stainless steel on the left and right sides

SIDE CAR WALL : Hairline stainless steel

FRONT RETURN : Hairline stainless steel

FLOOR : PVC

CABIN DESIGN
EXECUTIVE SERIES



TD-K015

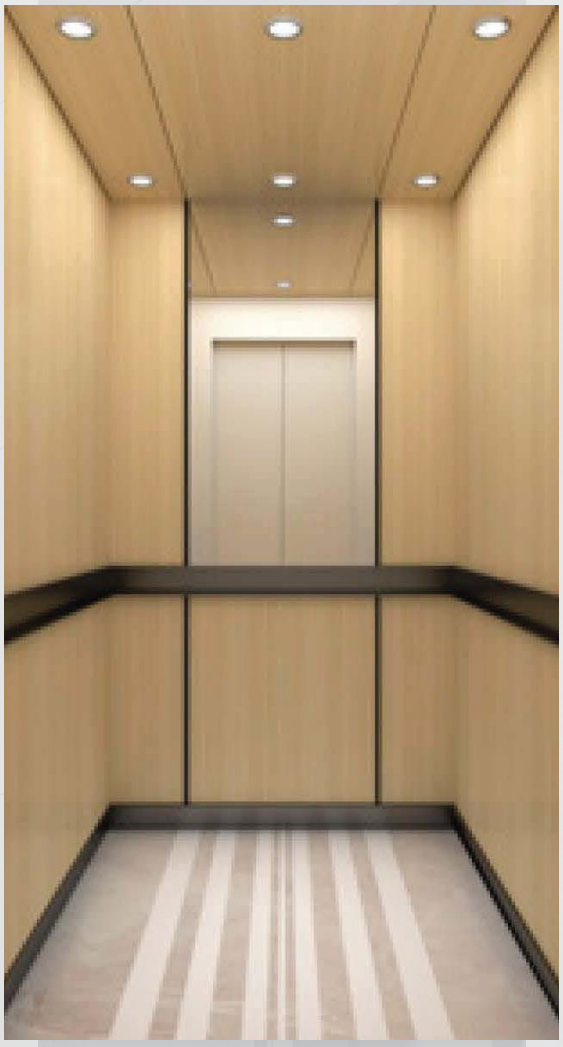
CEILING : Mirror stainless steel with LED downlights

REAR CAR WALL : Laminated glass with LED strips surrounded by sandblasted stainless steel on the left and right sides

SIDE CAR WALL : Sandblasted stainless steel

FRONT RETURN : Sandblasted stainless steel

FLOOR : Marble



TD-K016

CEILING : Wooden laminate with LED downlights

REAR CAR WALL : Mirror stainless steel with LED strips surrounded by wooden laminate on the left and right sides.
PVD black titanium stainless steel recessed section

SIDE CAR WALL : Wooden laminate.
PVD black titanium stainless steel recessed section

FRONT RETURN : Hairline stainless steel

FLOOR : PVC

CABIN DESIGN

PREMIUM SERIES



TD-K017

CEILING : Mirror stainless steel central piece and bronze sandblasted stainless steel frame with LED downlights

REAR CAR WALL : Bronze mirror sandblasted stainless steel with LED strips surrounded by wooden laminate on the left and right sides

SIDE CAR WALL : Wooden laminate rear and bronze mirror stainless steel front

FRONT RETURN : Bronze mirror stainless steel

FLOOR : Marble



TD-K018

CEILING : Mirror stainless steel central piece and titanium bronze hairline stainless steel frame with LED down lights and recessed lighting

REAR CAR WALL : Etched titanium bronze mirror stainless steel with LED strips surrounded by titanium bronze hairline stainless steel on the left and right sides.

SIDE CAR WALL : Etched titanium bronze mirror stainless steel surrounded by titanium bronze hairline stainless steel on the left and right sides.

FRONT RETURN : Titanium bronze hairline stainless steel

FLOOR : Marble

Handrail : Titanium bronze hairline stainless steel

OPERATION PANEL
STANDARD SERIES



TD-COP006

FACEPLATE : Hairline stainless steel

INDICATOR : White on Black LCD Segment

BUTTON : Braille lettering with white illumination



TD-COP003

FACEPLATE : Hairline stainless steel

INDICATOR : White on Black LCD Segment

BUTTON : Braille lettering with white illumination

MOUNTING : Surface



TD-COP003D

FACEPLATE : Hairline stainless steel

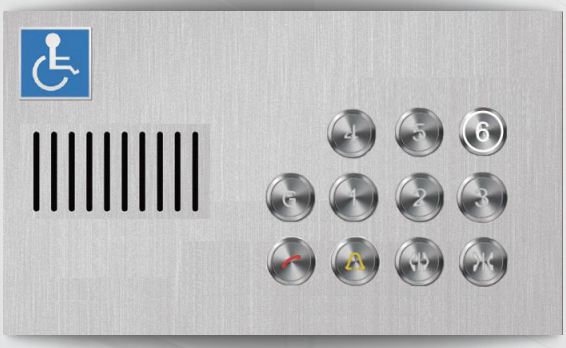
INDICATOR : White on Black LCD Segment

BUTTON : Braille lettering with white illumination

MOUNTING : Surface

OPERATION PANEL

OPTIONAL SERIES



TD-COP005

FACEPLATE : Hairline stainless steel

BUTTON : Braille lettering with illumination



TD-HD001

FACEPLATE : Hairline stainless steel

INDICATOR : White on Black LCD Segment

MOUNTING : Recessed



TD-HL001

FACEPLATE : Hairline stainless steel

LIGHT : White

OPERATION PANEL
OPTIONAL SERIES



TD-LOP004

FACEPLATE : Hairline stainless steel

INDICATOR : White on Black LCD Segment

BUTTON : Braille lettering with white illumination

MOUNTING : Recessed



TD-LOP004D

FACEPLATE : Hairline stainless steel

INDICATOR : White on Black LCD Segment

BUTTON : Braille lettering with white illumination

MOUNTING : Recessed



TD-LOP005

FACEPLATE : Glass

INDICATOR : White on Black Segment

BUTTON : Braille lettering with white illumination

MOUNTING : Surface

LCD COLOUR DISPLAYS

OPTIONAL SERIES







TD-TFT001

DISPLAY SIZE : 7" | 10.4" | 12.1"

DISPLAY MODE : TFT LCD

ORIENTATION : Vertical or Horizontal

OPERATION PANEL
OPTIONAL SERIES



TD-DJ001 (STANDARD)

TYPE : Narrow

MATERIAL : Hairline stainless steel



TD-DJ002 (OPTIONAL)

TYPE : Wide

MATERIAL : Hairline stainless steel



TD-DJ003 (OPTIONAL)

TYPE : Wide (Splayed)

MATERIAL : Hairline stainless steel

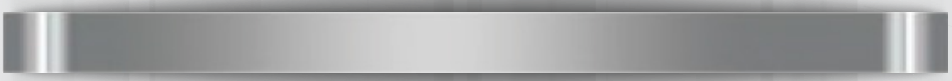
HANDRAIL
OPTIONAL SERIES



TD-F001

TYPE : Round bar

MATERIAL : Stainless steel



TD-F003

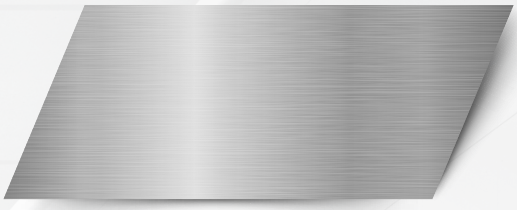
TYPE : Flat bar

MATERIAL : Stainless steel

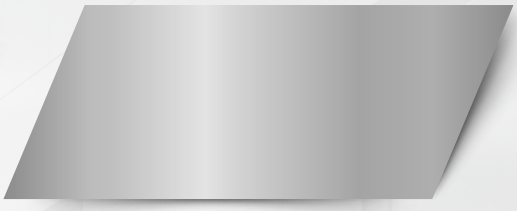
STAINLESS STEEL

COLOURS

SILVER

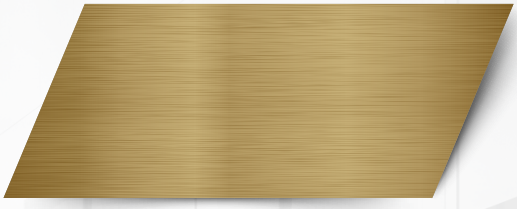


HAIRLINE STAINLESS STEEL



MIRROR STAINLESS STEEL

GOLD

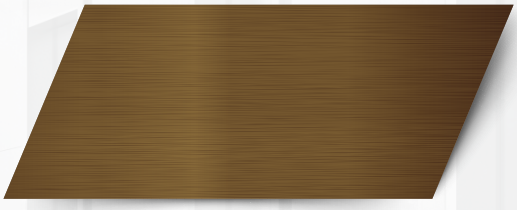


HAIRLINE STAINLESS STEEL



MIRROR STAINLESS STEEL

BRONZE

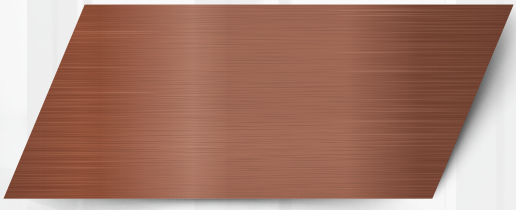


HAIRLINE STAINLESS STEEL

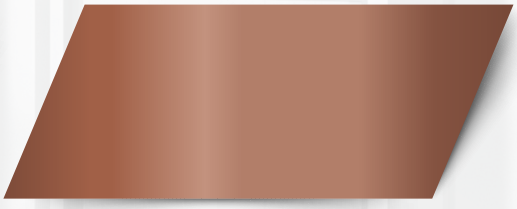


MIRROR STAINLESS STEEL

ROSE GOLD



HAIRLINE STAINLESS STEEL



MIRROR STAINLESS STEEL

TITANIUM BLACK



HAIRLINE STAINLESS STEEL



MIRROR STAINLESS STEEL



TRIDENT QUANTUM SDN BHD

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1st & 2nd Floor, D'Public Square
Sublot 21, Lot 5494, Block 225,
KNLD 93250 Kuching, Sarawak
Tel : 082 – 687 100
Fax : 082 – 688 100

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MIRI OFFICE
Lot 1954, 2nd floor,
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