



» **ARIES**

COMPLETE LIFT
SYSTEMS

ARIES 450 MRL / MR SYSTEMS

ARIES Hydraulic

ARIES 350+ *HOMELIFT+*

ARIES 250 MR-D

ARIES ACOMPACT

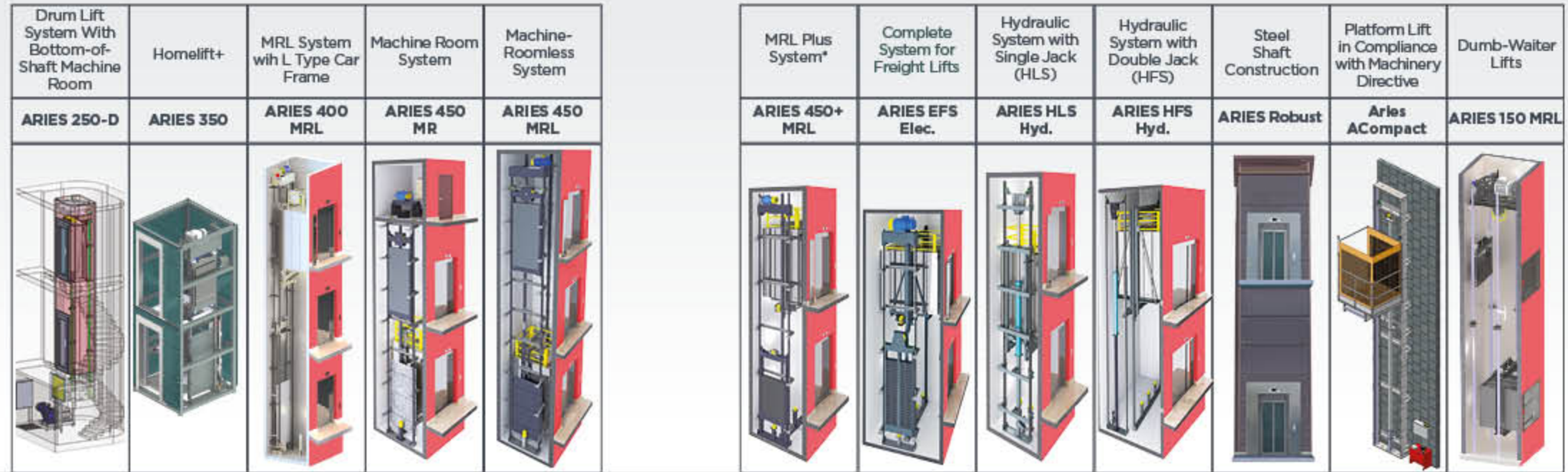
ametal[®]
lift

“We Rise by Lifting Others”

Robert Ingersoll



➤ **ARIES COMPLETE**
LIFT SYSTEMS



Passenger Lifts 4 - 45 Pers.											
Accessible lifts, EN 81-70 Compliant 630-1000 Kg											
Hospital Lifts 1250-2500 Kg											
Electrical - Hydraulic Goods Lift 2000-5000 Kg											
Hydraulic - ACompact Goods Lifts 500 - 1500 Kg											
Car Lifts 3000-5000 Kg											
Dumb-Waiter Lifts 100-300 Kg											

Standard	EN81-20/50, EN81-21, EN81-58, EN81-1+A3		ISO 8100-30, EN81-20/50, EN81-58, EN81-70, EN81-71, EN81-72			EN81-20/50, EN81-58, EN81-70, EN81-71, EN81-72				EN81-41, 2006/42/EC ISO 9386-1		
	1:1	2:1	1:2	2:1	1:2	1:2 - 1:4	2:1	-	2:1	1:1		
Drive System	1:1	2:1	1:2	2:1	1:2	1:2 - 1:4	2:1	-	2:1	1:1		
Rated Speed (m/s)	0,63	0,50 - 0,63 - 1	2	2,5	2,5	2,5	0,80	0,60	1,0 - 2,0	0,15	0,40	
Max. Travel (m)	30	21	120	120	120	16	30	12	30			
Max. Rated Load (Kg)	300	630	1500	1600	1000	1000	5000	1500	5000	1000	1500	100-300
Pit Depth (Min)	200	200	1000	1000	1000	1000	1000	1100	-	300	800	
Headroom (Min)	2600		3250	3300	3300	3300	3750	3250	3500	3650	2500	

DEFINITIONS

- 1- MRL PLUS is the name of the system in which a larger cabin is fitted in the lift shaft of the same dimensions.
- 2- As of full compliance with standards, ARIES Systems are certified for convenient sales to the EU region*
- 3- Hydraulic Elevators can be installed as of indirect 2:1 acting and up to 30 meters of travel height and 5000 Kg capacity.

- 4- All necessary measures are taken for inadequate (lower) pit and headroom conditions.
- 5- Aries ACompact (hydraulic) load lifting system is offered with two options; 800 kg and 1500 Kg capacities with a speed of 0.15 m/s.

ARIES 250 MR-D®

Drum Lift System With Bottom-of-Shaft Machine Room

Aries 250 MR-D Solutions consist of passenger lift systems utilizing Inverted L or Inverted U type car frames, with machine rooms located below or next to the bottom of the lift shaft.

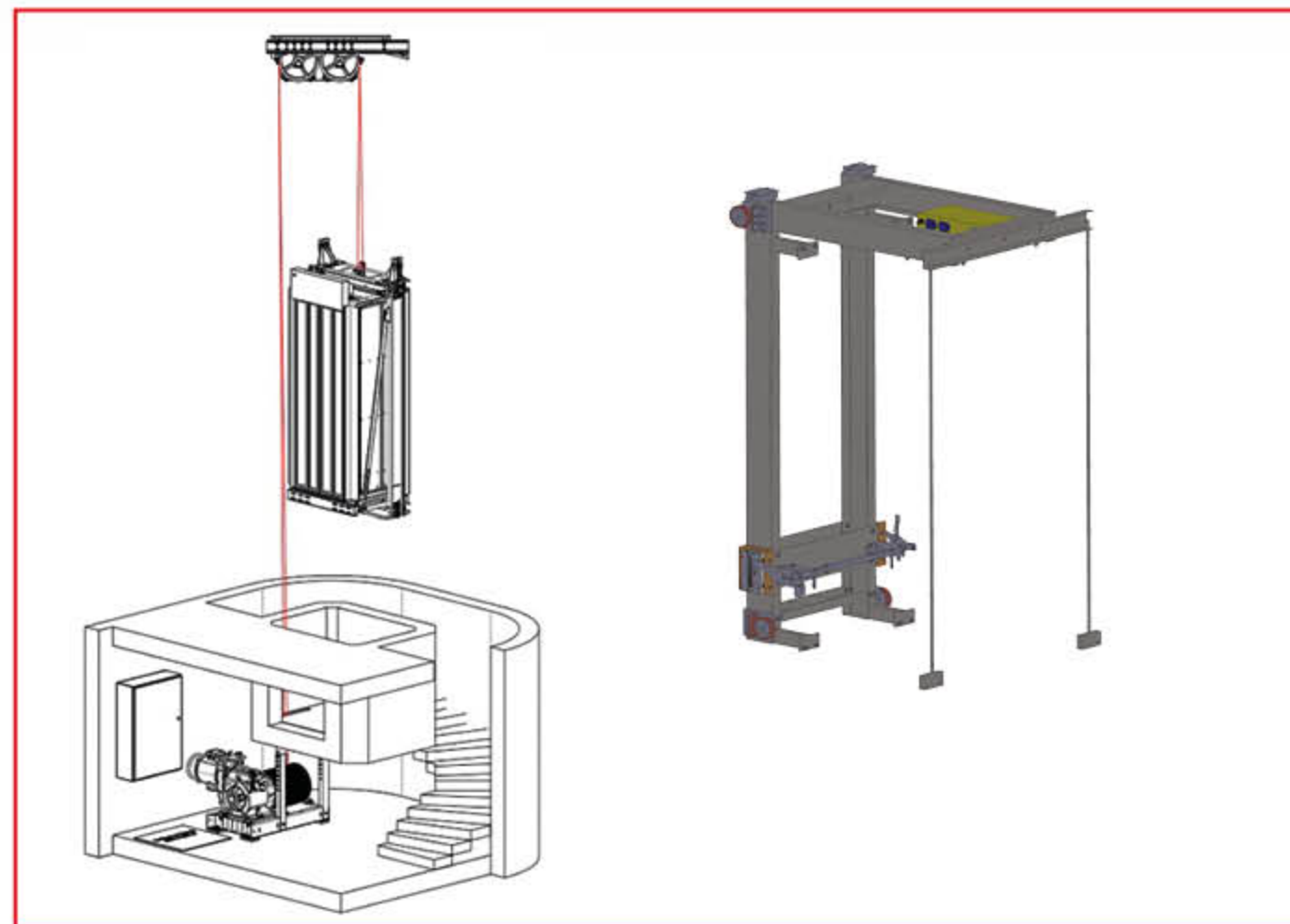
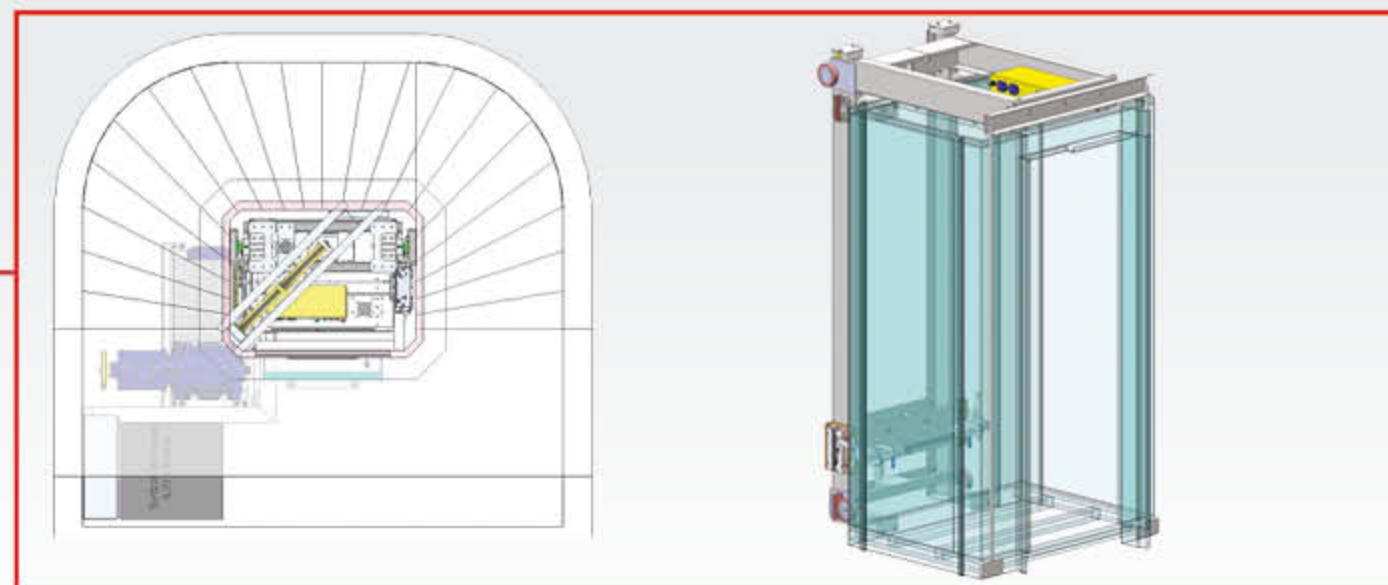
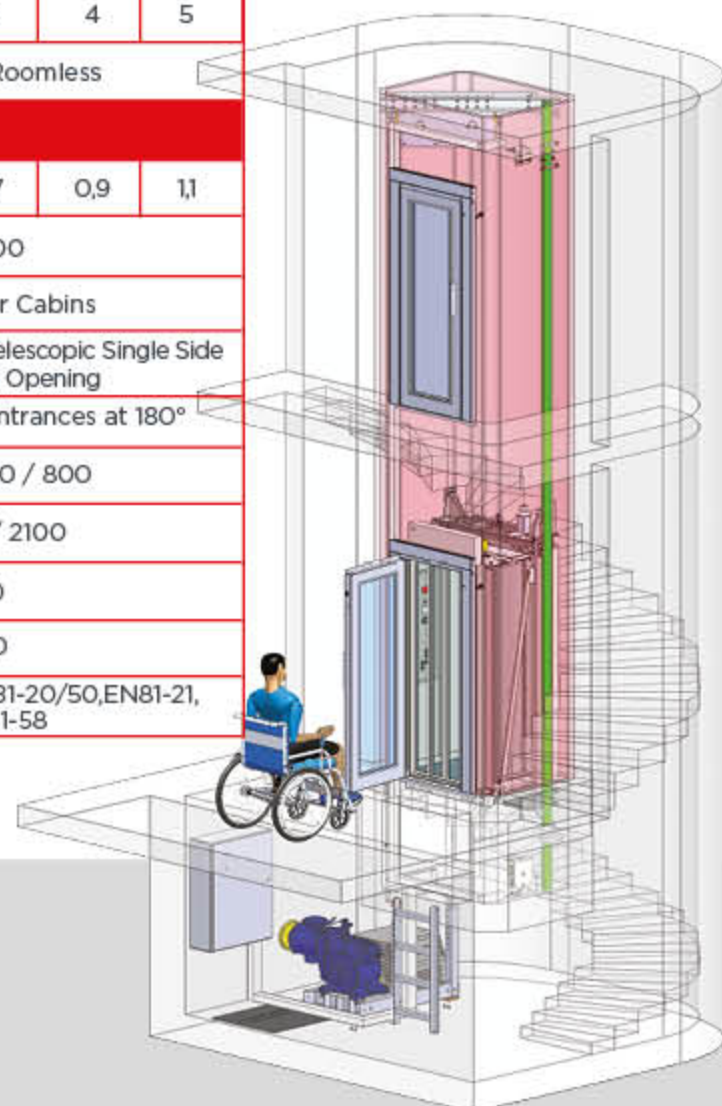
Aries 250 MR-D Drum Lift Systems aim to provide lifts to facilitate safe and standard compliant (specifically EN 81-20 article 5.2.5.7 and EN 81-21) vertical transport for buildings with greatly constrained shaft dimensions as well as insufficient headroom.

Minimum Headroom : 2600mm

Minimum Pit Depth : 200mm

Rated Speed : max. 0,63 m/s

Rated Load	KG	100	180	225	300	375
Number of Persons		1	2	3	4	5
Machine Room		Machine Roomless				
Class I: Passenger Lift						
Max. Car Area	m ²	0,37	0,58	0,7	0,9	1,1
Car Internal Height		2000				
Car Types		Passenger Cabins				
Door Type		Semi Automatic or Telescopic Single Side or Central Opening				
Car Entrances		1 Entrance or 2 Entrances at 180°				
Door Clear Opening	mm	600 / 700 / 800				
Door Clear Height	mm	2000 / 2100				
Max. Stops		10				
Max. Travel	m	30				
Applicable Standards		ISO 8100-30, EN81-20/50, EN81-21, EN81-58				



ARIES 350+®

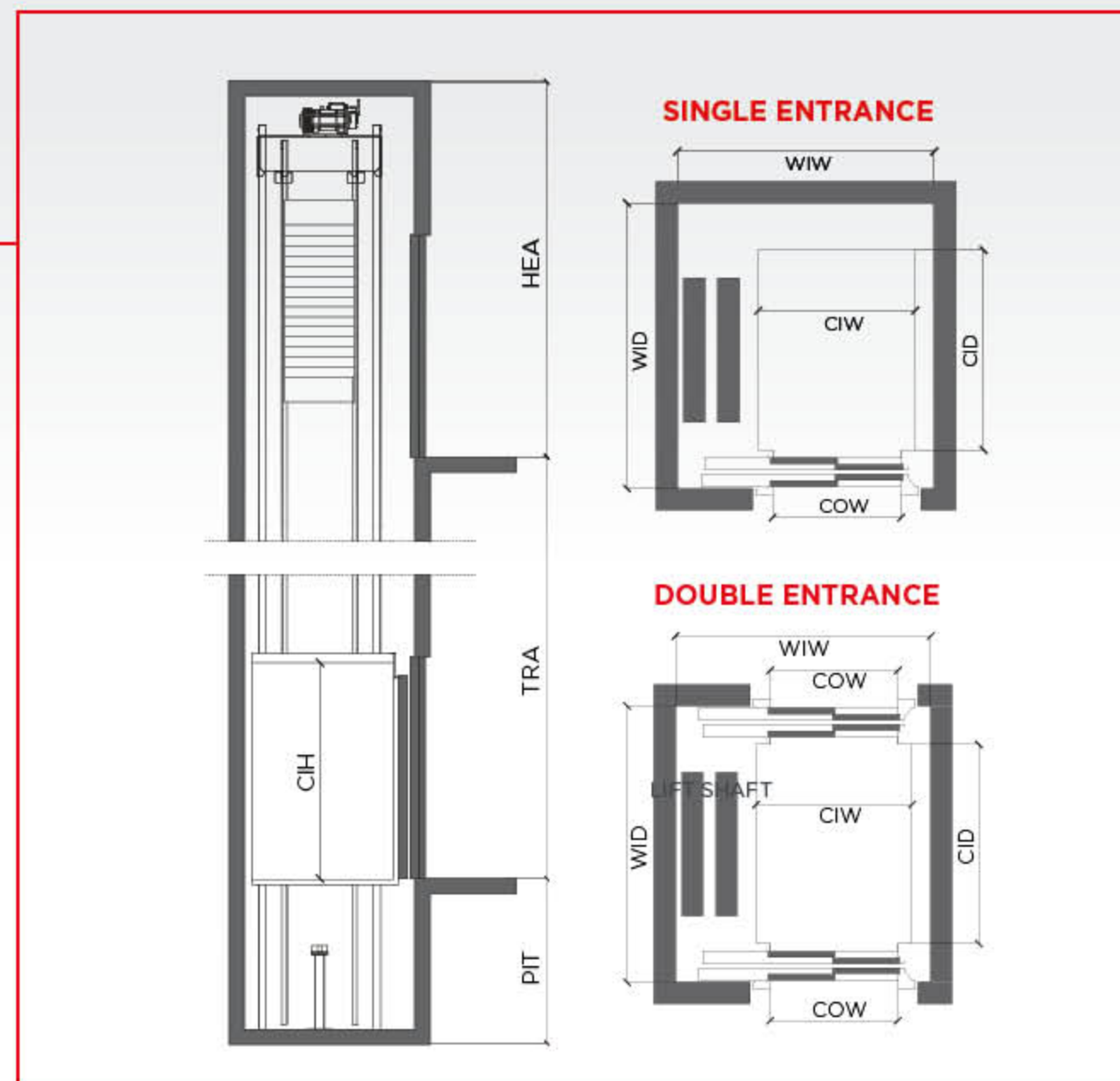
Machine-Roomless Complete System with Reverse L Frame

In old buildings where shaft pit and headroom are not convenient or new constructions without prior planning for lifts, this system offers deal lift solutions with 1 m/s speed and 225-630 kg. capacity ranges.

The plus (+) feature of this model is minimizing the shaft pit down to 200 mm thanks to Ametal's patented inverse L car frame application.

Minimum Headroom	: 2600mm
Minimum Pit Depth	: 200mm
Rated Speed	: 0,50 - 0,63 - 1 m/s

Rated Load	KG	225	320	400	480	630
Number of Persons		3	4	5	6	8
Machine Room		Machine Roomless				
Class 1: Passenger Lift						
Max. Car Area	m ²	0,7	0,9	1,17	1,36	1,66
Car Internal Height		2000				
Car Types		Passenger Cabins				
Door Type		Single Side				
Car Entrances		1 Entrance or 2 Entrances at 180°				
Door Clear Opening	mm	800 / 900				
Door Clear Height	mm	2000				
Max. Stops		8				
Max. Travel	m	21				
Applicable Standards		ISO 8100-30, EN81-20/50, EN81-21 EN81-58, EN81-70				



ARIES 350 MRL * General Dimensions

CAR		LIFT SHAFT					DOOR							
Number of Persons	Rated Load	CIW	CID	CIH		WIW	WID 1 Entrance	WID 2 Entrances	HEA	PIT	COW	COH	Door Type	Door Opening
3	225	700	900	2000		1250	1250	1450	2600	200	700	2000	2 Panels	Left/Right
4	320	900	1000	2000		1450	1350	1550	2600	200	800	2000	2 Panels	Left/Right
5	400	1000	1100	2000		1550	1450	1650	2600	200	800	2000	2 Panels	Left/Right
6	480	1000	1200	2000		1550	1550	1750	2600	200	800	2000	2 Panels	Left/Right
8	630	1100	1400	2000		1650	1750	1950	2600	200	900	2000	2 Panels	Left/Right

ARIES 400 MRL®

Machine-Roomless Complete System with L Frame

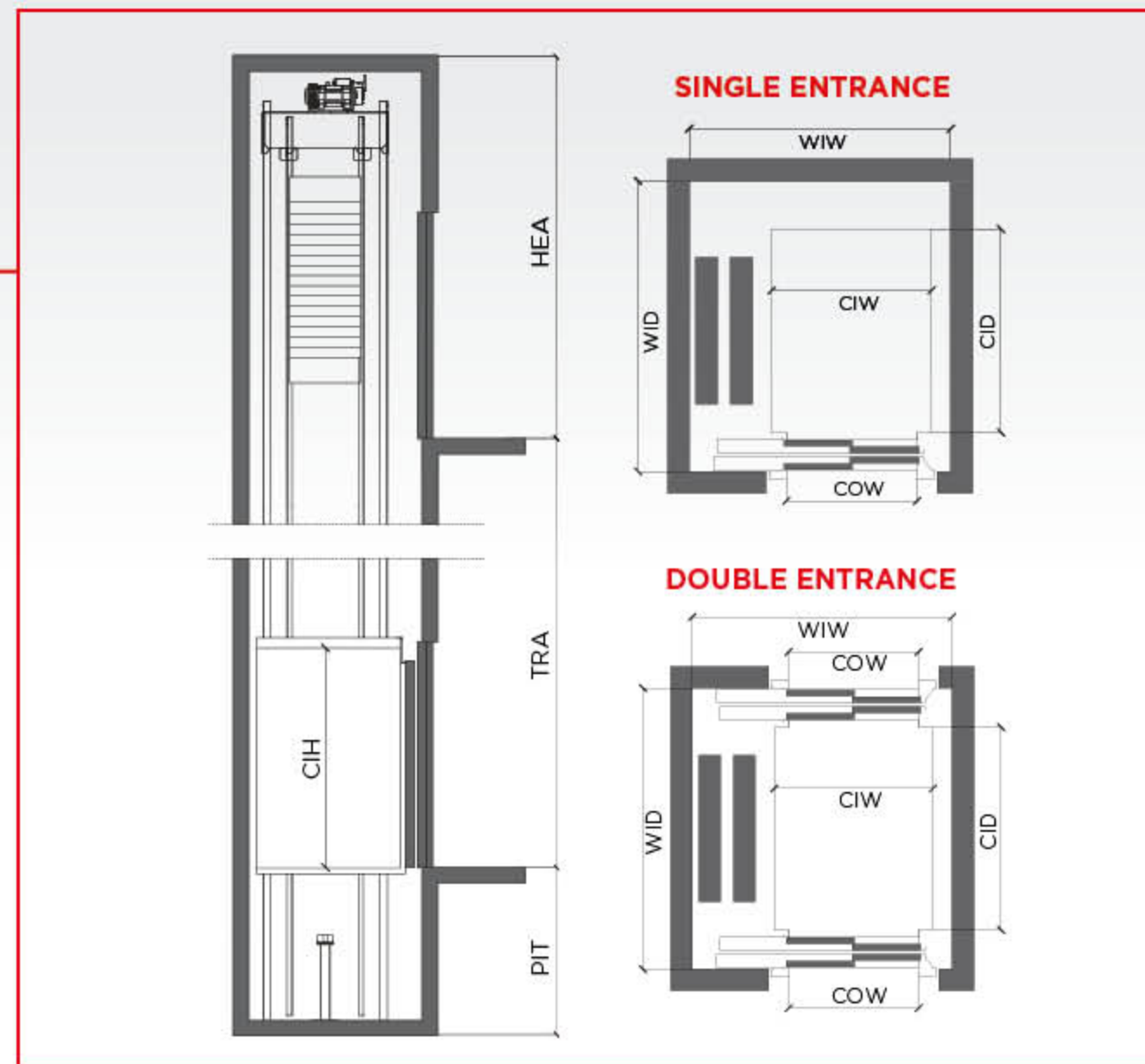
This system is ideal for lifts where maximum cabin area is needed inside the existing shaft space. Having L type car frame and featuring roller model skates, the system renders a comfortable run. ARIES 400 MRL lifts offer a range up to 2 m/s speed and 1.500 kg. load capacity.

Minimum Headroom : 3250mm

Minimum Pit Depth : 1000mm

Rated Speed : max. 2 m/s

Rated Load	KG	225	320	400	480	630	800	1000	1275	1500
Number of Persons		3	4	5	6	8	10	13	17	20
Machine Room		Machine Roomless								
Class1: Passenger Lift										
Class2: Office Lift										
Class 3: Hospital Lift										
Class4: Goods Lift										
Max. Car Area	m ²	0,7	0,9	1,17	1,3	1,66	2	2,4	2,95	3,4
Car Internal Height		2000/2100/2200								
Car Types		Passenger Cabins								
Door Type		Single Side								
Car Entrances		1, 2 or 3 Entrances								
Door Clear Opening	mm	800 / 900								
Door Clear Height	mm	2000 / 2100								
Max. Stops		64								
Max. Travel	m	80								
Applicable Standards		ISO 8100-30, EN81-20/50, EN81-58, EN81-70, EN81-71, EN81-72								



ARIES 400 MRL® General Dimensions

CABIN					LIFT SHAFT				DOOR				
Number of Persons	Rated Load	CIW	CID	CIH	WIW	WID 1 Entrance	WID 2 Entrances	HEA	PIT	COW	COH	Door Type	Door Opening
3	225	700	900	2200	1250	1250	1450	3650	1000	800	2000	2 Panels	Left/Right
4	320	900	1000	2200	1400	1350	1550	3500	1000	800	2000	2 Panels	Left/Right
6	480	1000	1200	2200	1500	1550	1750	3500	1000	800	2000	2 Panels	Left/Right
8	630	1100	1400	2200	1600	1750	1950	3500	1000	900	2100	2 Panels	Left/Right
10	800	1350	1400	2200	1850	1750	1950	3500	1000	900	2100	2 Panels	Left/Right
13	1000	1600	1400	2200	2100	1750	1950	3500	1000	900	2100	2 Panels	Left/Right
		1100	2100	2200	1650	2450	2650	3500	1000	1000	2100	2 Panels	Left/Right
17	1275	2000	1400	2300	2750	1750	1950	3700	1200	1100	2100	2 Panels	Left/Right
		1200	2300	2300	1920	2650	2650	3700	1200	1100	2100	2 Panels	Left/Right
21	1500	1500	1250	2300	2100	2600	2800	3700	1200	1100	2100	2 Panels	Left/Right

All given information is for general reference and planning. For specific construction detail, please contact our local sales office

ARIES 450 MRL[®] Machine-Roomless Complete System

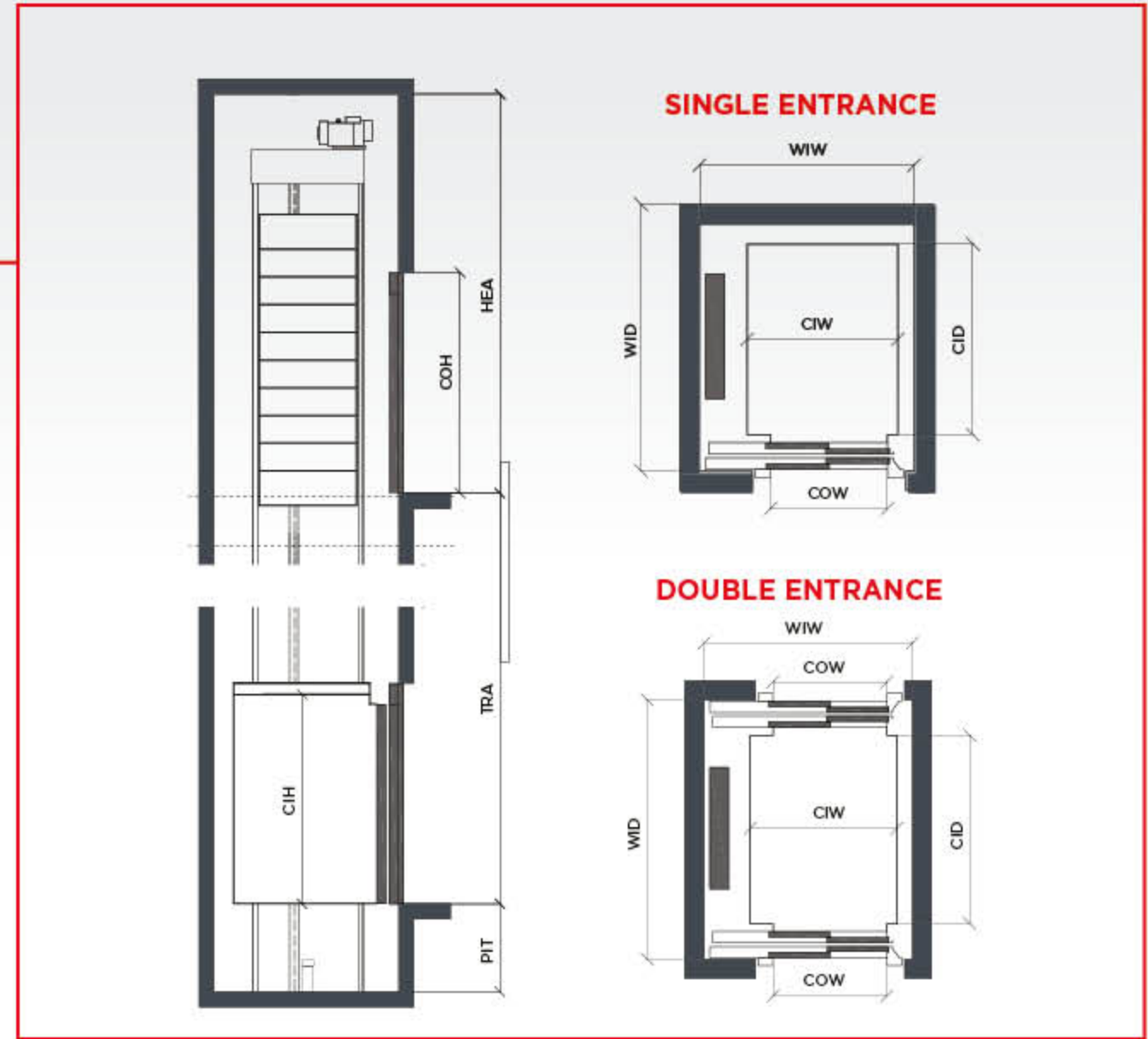
Aries 450 Complete Lift System is designed for machine roomless passenger lift applications in residential and commercial buildings up to 2.5 m/s speed and 1000 kg capacity.

It provides ease of installation and energy efficiency by using modular structure, reduced dimensions and small drive equipment.

High safety and material quality, full compliance with to lift standards and reduced installation hours for installers are the fundamental features of this system.

Minimum Headroom	: 3300mm
Minimum Pit Depth	: 1000mm
Rated Speed	: max. 2,5 m/s

Rated Load	KG	225	320	400	480	630	800	1000
Number of Persons		3	4	5	6	8	10	13
Machine Room		Machine Roomless						
Class1: Passenger Lift		X						
Class2: Office Lift		X						
Class 3: Hospital Lift		X						
Class4: Goods Lift		X						
Max. Car Area	m ²	0,7	0,9	1,17	1,3	1,66	2	2,4
Car Internal Height		2000/2100/2200						
Car Types		Passenger Cabins						
Door Type		Single Side						
Car Entrances		1 Entrance or 2 Entrances at 180°						
Door Clear Opening	mm	800 / 900						
Door Clear Height	mm	2000 / 2100						
Max. Stops		64						
Max. Travel	m	120						
Applicable Standards		ISO 8100-30, EN81-20/50, EN81-58, EN81-70, EN81-71, EN81-72						



ARIES 450 MRL[®] General Dimensions

CAR					LIFT SHAFT					DOOR			
Number of Persons	Rated Load	CIW	CID	CIH	WIW	WID 1 Entrance	WID 2 Entrances	HEA	PIT	COW	COH	Door Type	Door Opening
3	225	700	900	2200	1250	1250	1450	3650	1000	800	2000	2 Panels	Left/Right
4	320	900	1000	2200	1450	1350	1550	3650	1000	800	2000	2 Panels	Left/Right
5	480	1000	1100	2200	1550	1550	1750	3650	1000	800	2000	2 Panels	Left/Right
6	480	1000	1200	2200	1550	1550	1750	3650	1000	800	2000	2 Panels	Left/Right
8	630	1100	1400	2200	1650	1750	1950	3650	1000	900	2100	2 Panels	Left/Right
10	800	1350	1400	2200	1900	1750	1950	3650	1000	900	2100	2 Panels	Left/Right
13	1000	1600	1400	2200	2150	1750	1950	3650	1000	900	2100	2 Panels	Left/Right
		1100	2100	2200	1700	2450	2650	3650	1000	1000	2100	2 Panels	Left/Right

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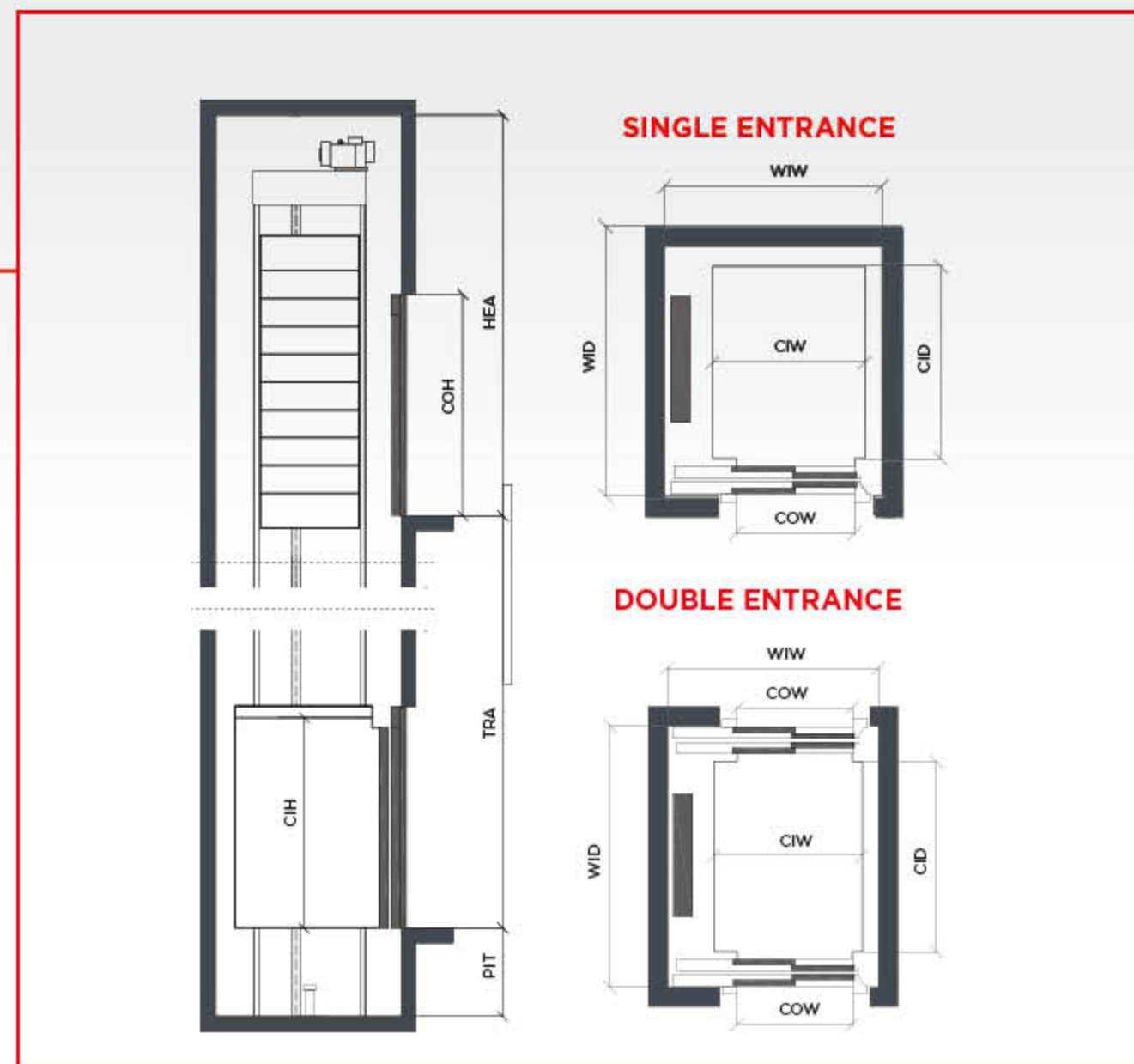
ARIES 450+ MRL®
Machine-Roomless Complete System

ARIES 450+ Complete Lift Systems are designed for machine roomless passenger lift applications for residential buildings with limited shaft dimensions, including solutions up to 2,5 m/s speed and 1000 kg capacity.

It provides ease of installation and energy efficiency by using modular structure, reduced dimensions and small drive equipment. The Rope, specially selected for small pulley diameters and the weight frame, developed accordingly, are the fundamental design features of this system. Meeting ISO 8100-30 requirements, providing high safety and material quality, it fully meets the expectations of the installer and the end user.

Minimum Headroom	: 3300mm
Minimum Pit Depth	: 1000mm
Rated Speed	: max. 2,5 m/s

Rated Load	KG	225	320	400	480	630	800	1000
Number of Persons		3	4	5	6	8	10	13
Machine Room		Machine Roomless						
Class1: Passenger Lift								
Class2: Office Lift								
Class 3: Hospital Lift								
Class4: Goods Lift								
Max. Car Area	m²	0,7	0,9	1,17	1,3	1,66	2	2,4
Car Internal Height		2000/2100/2200						
Car Types		Passenger Cabins						
Door Type		Single Side						
Car Entrances		1 Entrance or 2 Entrances at 180°						
Door Clear Opening	mm	800 / 900						
Door Clear Height	mm	2000 / 2100						
Max. Stops		64						
Max. Travel	m	120						
Applicable Standards		ISO 8100-30, EN81-20/50, EN81-58, EN81-70, EN81-71, EN81-72						



■ **ARIES 450+ MRL** * General Dimensions

CAR					LIFT SHAFT					DOOR			
Number of Persons	Rated Load	CIW	CID	CIH	WIW	WID 1 Entrance	WID 2 Entrances	HEA	PIT	COW	COH	Door Type	Door Opening
3	225	700	900	2200	1250	1250	1450	3650	1000	800	2000	2 Panels	Left/Right
4	320	900	1000	2200	1450	1350	1550	3650	1000	800	2000	2 Panels	Left/Right
5	480	1000	1100	2200	1550	1550	1750	3650	1000	800	2000	2 Panels	Left/Right
6	480	1000	1200	2200	1550	1550	1750	3650	1000	800	2000	2 Panels	Left/Right
8	630	1100	1400	2200	1650	1750	1950	3650	1000	900	2100	2 Panels	Left/Right
10	800	1350	1400	2200	1900	1750	1950	3650	1000	900	2100	2 Panels	Left/Right
13	1000	1600	1400	2200	2150	1750	1950	3650	1000	900	2100	2 Panels	Left/Right
		1100	2100	2200	1700	2450	2650	3650	1000	1000	2100	2 Panels	Left/Right

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ARIES 450 MR®

Complete System with Machine Room

Aries 450 MR Complete Lift System with machine room can be an ideal solution for lift modernizations. The system offers a range of choices for residential and office buildings and hospitals, including solutions up to 2,5 m/s speed and 1600 kg capacity. It provides ease of installation and energy efficiency by using modular structure, reduced dimensions and small drive equipment.

Meeting ISO 8100-30 requirements, it is suitable for use in medium to high traffic and heavy conditions. Full compliance to lift standards, providing high safety and material quality, it fully meets the expectations of the installer and the end user.

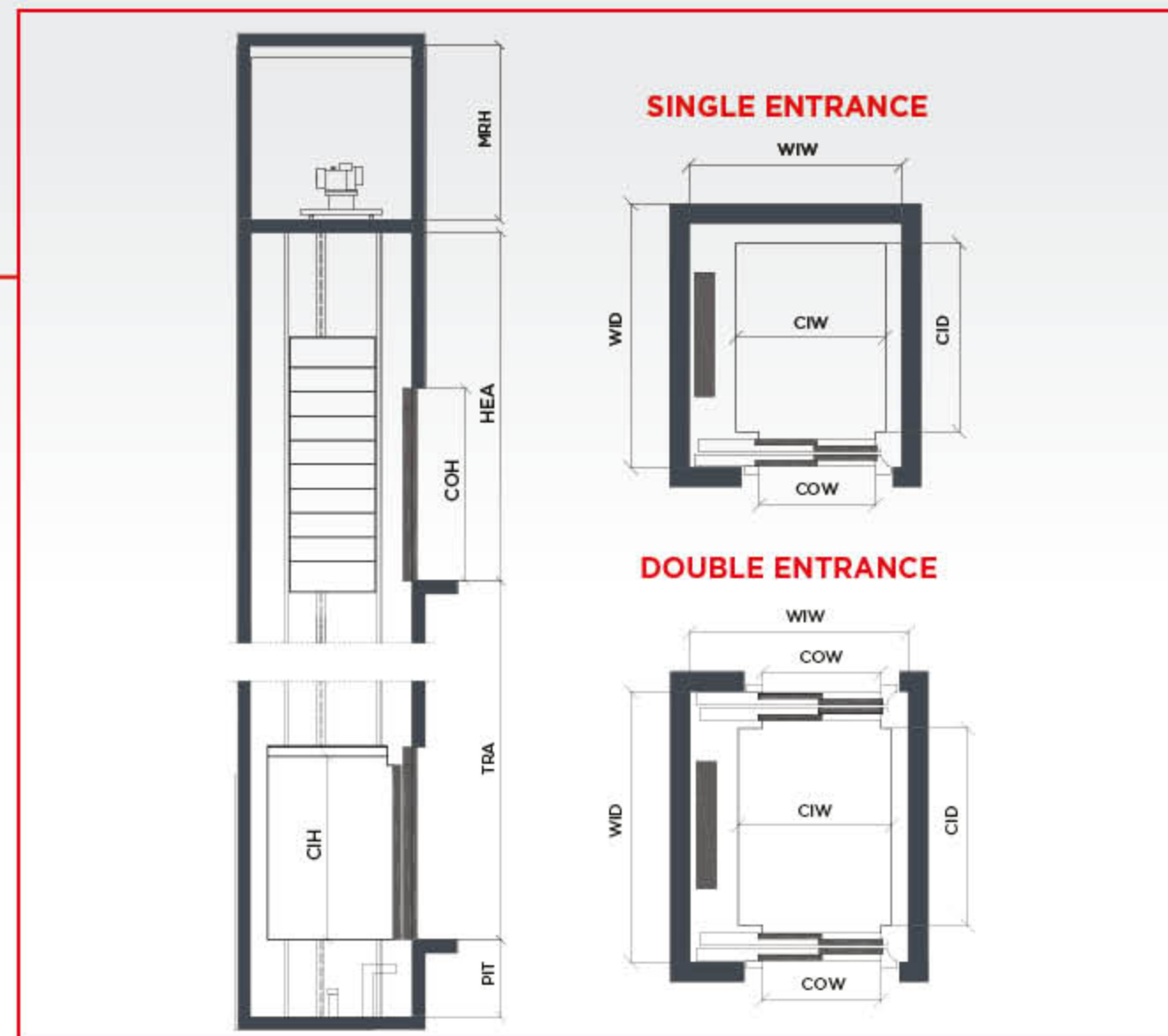
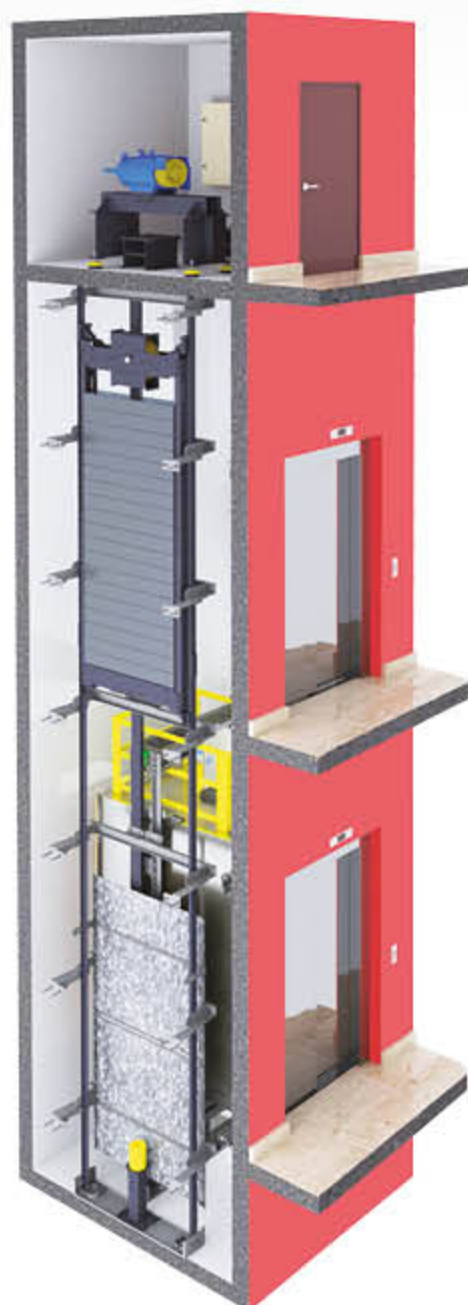
The pre-determined shaft layout plans that are fully compatible with Ametal cabin series are available for easy-to-order needs.

Minimum Headroom : 3300mm

Minimum Pit Depth : 1000mm

Rated Speed : max. 2,5 m/s

Rated Load	KG	225	320	400	480	630	800	1000	1275	1600
Number of Persons		3	4	5	6	8	10	13	17	21
Machine Room		Above the Headroom								
Class 1 : Passenger Lift		X								
Class 2 : Office Lift		X								
Class 3 : Hospital Lift		X								
Class 4 : Goods Lift		X								
Max. Car Area	m ²	0,7	0,9	1,17	1,3	1,66	2	2,4	2,95	3,4
Car Internal Height		2000/2100/2200							2200/2300 2400	
Car Types	mm	Passenger Cabins								
Door Type		Single Side								
Car Entrances		1 Entrance or 2 Entrances at 180°								
Door Clear Opening	mm	800 / 900 / 1000 / 1100 / 1200								
Door Clear Height	mm	2000 / 2100 / 2200								
Max. Stops	m	64								
Max. Travel	mm	120								
Applicable Standards		ISO 8100-30, EN81-20/50, EN81-58, EN81-70 EN81-71, EN81-72								



ARIES 450 MR® General Dimensions

Number of Persons	Rated Load	CABIN			LIFT SHAFT				DOOR				
		CIW	CID	CIH	WIW	WID 1 Entrance	WID 2 Entrances	HEA	PIT	COW	COH	Door Type	Door Opening
3	225	700	900	2250	1250	1250	1450	3500	1000	800	2000	2 Panels	Left/Right
4	320	900	1000	2200	1400	1350	1550	3500	1000	800	2000	2 Panels	Left/Right
5	400	1000	1100	2200	1400	1450	1650	3500	1000	800	2000	2 Panels	Left/Right
6	480	1000	1200	2200	1500	1550	1750	3500	1000	800	2000	2 Panels	Left/Right
8	630	1100	1400	2200	1600	1750	1950	3500	1000	900	2100	2 Panels	Left/Right
10	800	1350	1400	2200	1850	1750	1950	3500	1000	900	2100	2 Panels	Left/Right
13	1000	1600	1400	2200	2100	1750	1950	3500	1000	900	2100	2 Panels	Left/Right
		1100	2100	2200	1650	2450	2650	3500	1000	1000	2100	2 Panels	Left/Right
17	1275	2000	1400	2300	2750	1750	1950	3700	1200	1100	2100	2 Panels	Left/Right
		1200	2300	2300	1920	2650	2650	3700	1200	1100	2100	2 Panels	Left/Right
21	1600	2100	1600	2300	2920	1950	1950	3700	1200	1100	2100	2 Panels	Left/Right

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ARIES 450 MR-b®

Complete System with Machine Room

The most distinctive feature of this system is that the weight frame is located at the back in the shaft plan. Thanks to the distinctive feature of the system, positioning the weight frame at the back, 1:1 and 2:1 actings are possible without difficulty.

The system offers a range of choices for residential and office buildings and hospitals, including solutions up to 2,5 m/s speed and 1600 kg capacity. It provides ease of installation and energy efficiency by using modular structure, reduced dimensions and small drive equipment. Meeting ISO 4190-5 requirements, it is suitable for use in medium to high traffic and heavy conditions.

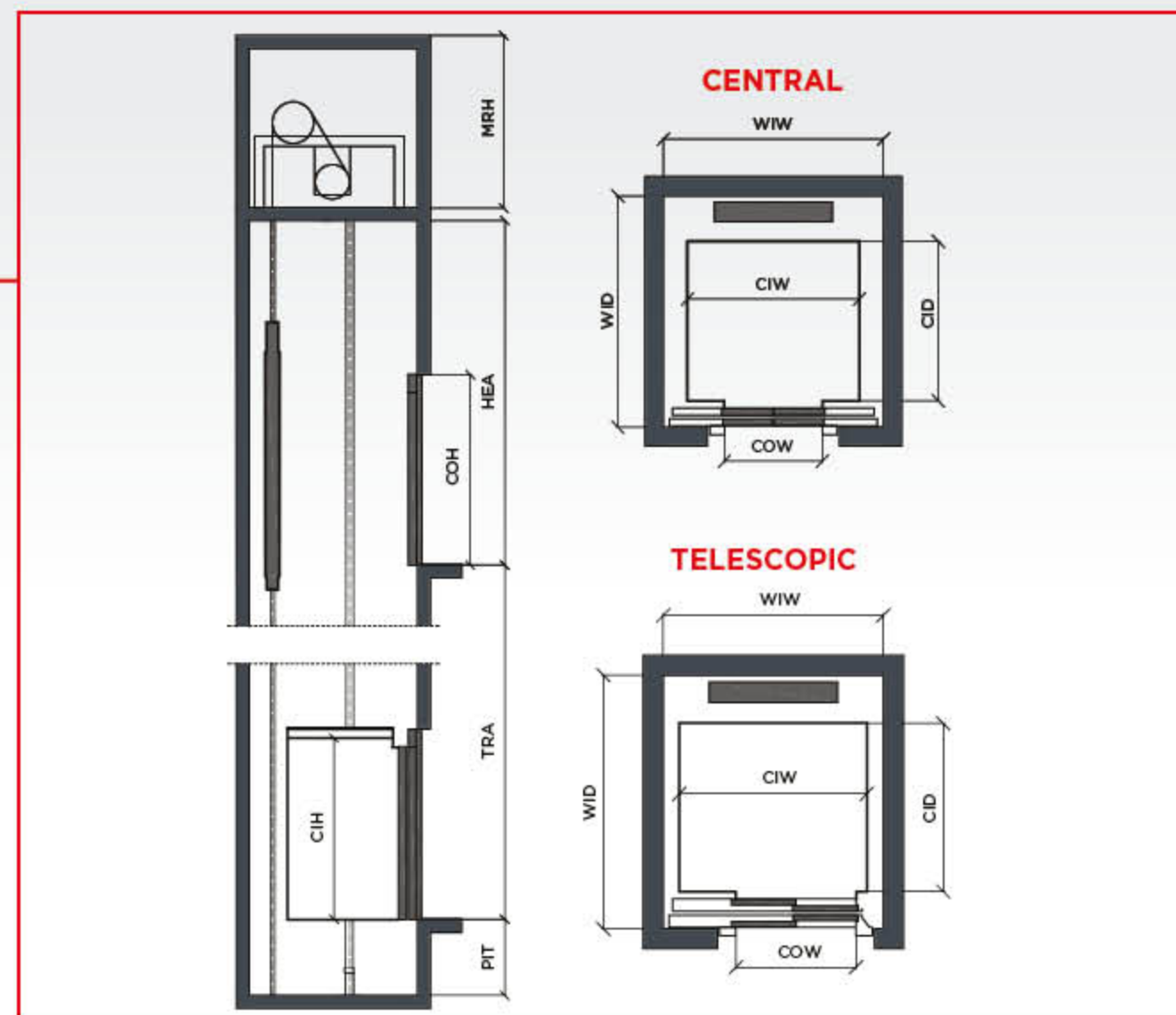
Full compliance to lift standards, providing high safety and material quality, it fully meets the expectations of the installer and the end user.

Minimum Headroom : 3300mm

Minimum Pit Depth : 1000mm

Rated Speed : max. 2,5 m/s

Rated Load	KG	225	320	400	480	630	800	1000	1275	1600	
Number of Persons		3	4	5	6	8	10	13	17	21	
Machine Room		Above the Headroom									
Class 1 : Passenger Lift											
Class 2 : Office Lift											
Class 3 : Hospital Lift											
Class 4 : Goods Lift											
Max. Car Area	m ²	0,7	0,9	1,17	1,3	1,66	2	2,4	2,95	3,4	
Car Internal Height		2000/2100/2200							2200/2300 2400		
Car Types		Passenger Cabins									
Door Type		Single Side									
Car Entrances		1 entrance or 2 entrances at 180°									
Door Clear Opening	mm	800 / 900 / 1000 / 1100 / 1200									
Door Clear Height	mm	2000 / 2100 / 2200									
Max. Stops		64									
Max. Travel	m	120									
Applicable Standards		ISO 8100-30, EN81-20, EN81-58, EN81-70 EN81-71, EN81-72									



ARIES 450 MR-b® General Dimensions

CABIN					LIFT SHAFT						DOOR			
Number of Persons	Rated Load	CIW	CID	CIH	WIW Central	WID Central	WIW Telescopic	WID Telescopic	HEA	PIT	COW	COH	Door Type	Door Opening
3	225	700	900	2200	1250	1570	1450	1630	3500	1000	700	2000	2 Panels	Left/Right
4	320	900	1000	2200	1600	1570	1450	1630	3500	1000	700	2000	2 Panels	Left/Right
5	400	1000	1100	2200	1650	1770	1500	1830	3500	1000	800	2000	2 Panels	Left/Right
6	480	1000	1200	2200	1650	1770	1500	1830	3500	1000	800	2000	2 Panels	Left/Right
8	630	1100	1400	2200	1800	1970	1630	2040	3500	1000	900	2100	2 Panels	Left/Right
10	800	1350	1400	2200	1900	1970	1650	2040	3500	1000	900	2100	2 Panels	Left/Right
13	1000	1600	1400	2200	1980	1970	1980	2040	3500	1000	900	2100	2 Panels	Left/Right
		1100	2100	2200	1800	2670	1630	2740	3500	1000	1000	2100	2 Panels	Left/Right
17	1275	2000	1400	2300	2400	1970	2380	2040	3700	1200	1100	2100	2 Panels	Left/Right
		1200	2300	2300	2400	2870	1950	2940	3700	1200	1100	2100	2 Panels	Left/Right
21	1600	2100	1600	2300	2500	2170	2460	2240	3700	1200	1100	2100	2 Panels	Left/Right

All given information is for general reference and planning. For specific construction detail, please contact our local sales office

ARIES EFS - Electric®

Complete System for Freight Lifts

Aries EFS Complete Lift Systems are designed for machine roomless or machine room passenger and freight lift applications for residential and office buildings and hospitals, including solutions up to 2,5 m/s speed and 5000 kg capacity.

Designs suitable for freight lifts' special working conditions (car, door, frame, brackets, etc.), it guarantees to work in the hardest circumstances.

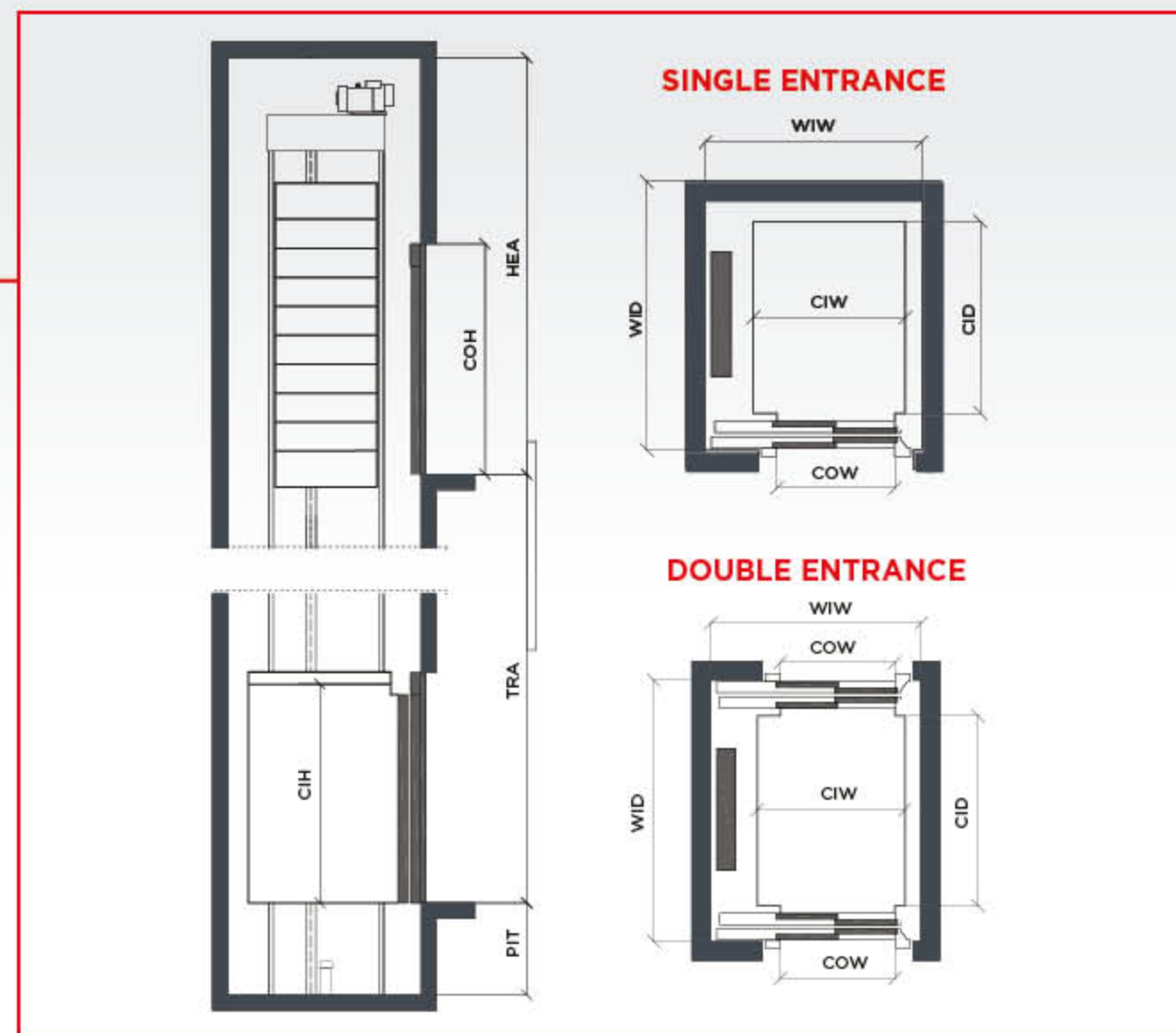
These solutions are suitable for mid and high range traffic requirements and heavy duty conditions, complies with ISO 8100-30 requirements. With high safety, full compliance to standards, high quality in material and reduced installation hours, Aries EFS covers all of the necessary requirements a lift installer and user needs.

Minimum Headroom : 3750mm

Minimum Pit Depth : 1000mm

Rated Speed : max. 2,5 m/s

Rated Load	Kg	1000	1275	1600	2000	2500	3000	3500	5000
Number of Persons		13	16	21	26	33	40	46	66
Class 2 : Office Lift									
Class 3 : Hospital Lift									
Class 4 : Goods Lift									
Max. Car Area	m ²	2,4	2,95	3,56	4,2	5	5,8	6,6	9
Car Internal Height		2000/2100/2200/2300/2400							
Car Types		Passenger & Goods Lift							
Door Type		Telescopic Single Side							
Car Entrances		1 Entrance or 2 Entrances at 180°							
Door Clear Opening	mm	900..3000							
Door Clear Height	mm	2200 / 2200 / 2300 / 2400							
Max. Stops		64							
Max. Travel	m	120							
Applicable Standards		ISO 8100-30, EN81-20, EN81-58, EN81-70 EN81-71, EN81-72							



ARIES EFS® General Dimensions

CAR					LIFT SHAFT					DOOR			
Number of Persons	Rated Load	CIW	CID	CIH	WIW	WID	WID	HEA	PIT	COW	COH	Door Type	Door Opening
						1 Entrance	2 Entrance						
13	1000	1600	1400	2300	2230	1750	1950	3650	1000	1100	2100	2 Panels	Left/Right
16	1275	1200	2300	2300	1990	2675	2850	3700	1050	1100	2100	2 Panels	Left/Right
		1600	1800	2330	2330	2175	2350	3700	1050	1100	2100	2 Panels	Left/Right
		2000	1400	2300	2730	1775	1950	3700	1050	1100	2100	2 Panels	Left/Right
21	1600	1400	2400	2300	2300	2775	2950	3700	1050	3100	2100	2 Panels	Left/Right
		1600	2100	2400	2390	2475	2650	3700	1050	1300	2100	2 Panels	Left/Right
		2100	1600	2400	2890	1975	2150	3700	1050	1300	2100	2 Panels	Left/Right
26	2000	1500	2700	2400	2320	3075	3250	3750	1100	1300	2100	2 Panels	Left/Right
		2300	1700	2400	3170	2075	2250	3750	1100	1300	2100	2 Panels	Left/Right
33	2500	1800	2700	2400	2780	3075	3250	3750	1100	1300	2200	2 Panels	Left/Right
		2100	3000	2600	3230	3465	3730	3850	1200	1800	2400	2 Panels	Left/Right
46	3500	2400	2600	2600	3530	3155	3510	3850	1200	2200	2400	2 Panels	Left/Right
		2500	3500	2600	3870	4000	4300	4000	1400	2300	2400	2 Panels	Left/Right

All given information is for general reference and planning. For specific construction detail, please contact our local sales office

ARIES HLS (HAI) - Hydraulic

Complete System with L Frame

Aries HLS Complete Lift Systems are designed for hydraulic passenger and freight lift applications for residential and office buildings and hospitals, including solutions up to 0,80m/s speed and 1500 kg capacity.

With modular structure, reduced measurements and using small drive equipments, it provides easy installation and energy efficiency. With respect to Ametal's special L frame design, engineering works and detailed solutions, it guarantees working seamlessly with comfortable travel.

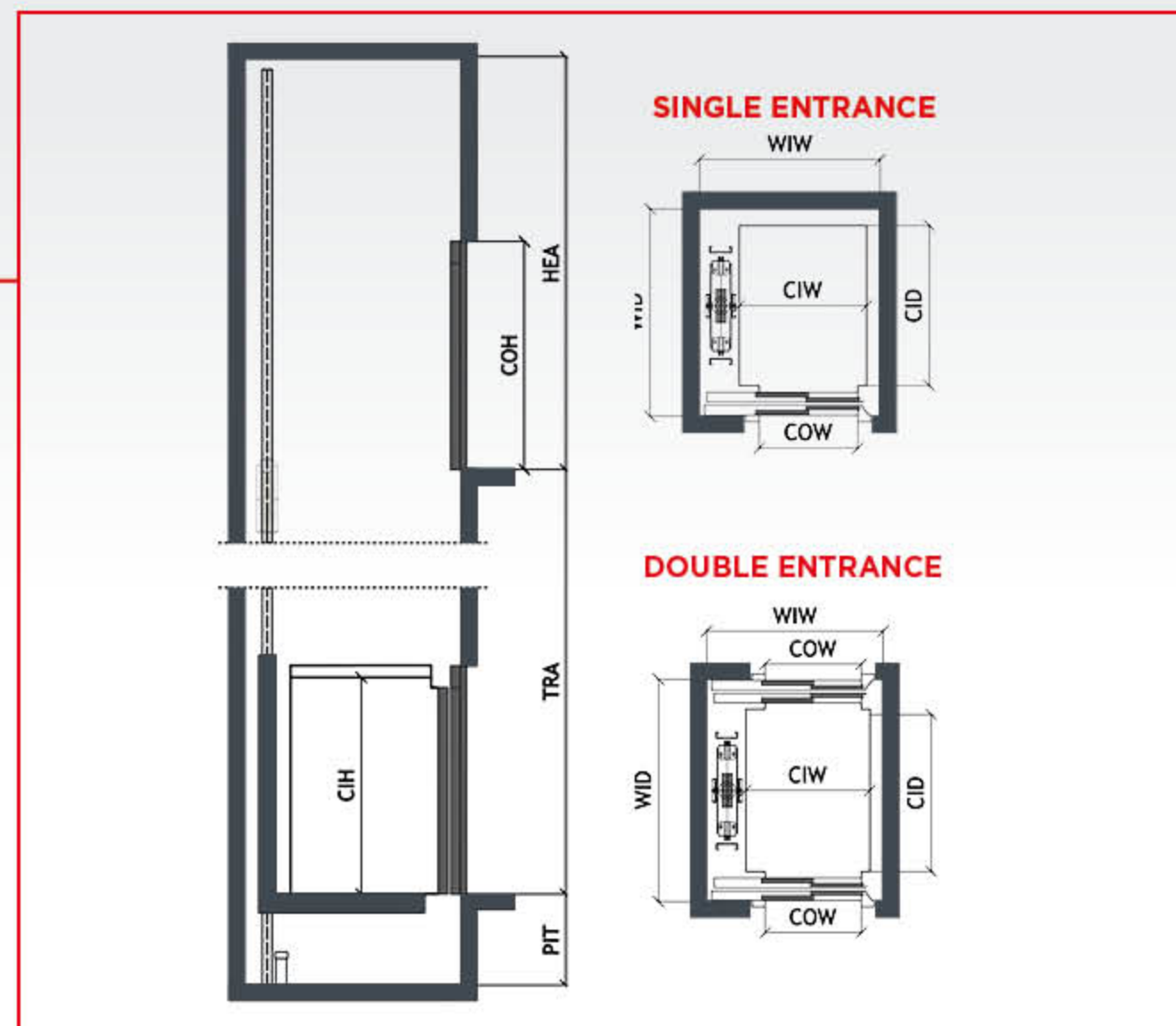
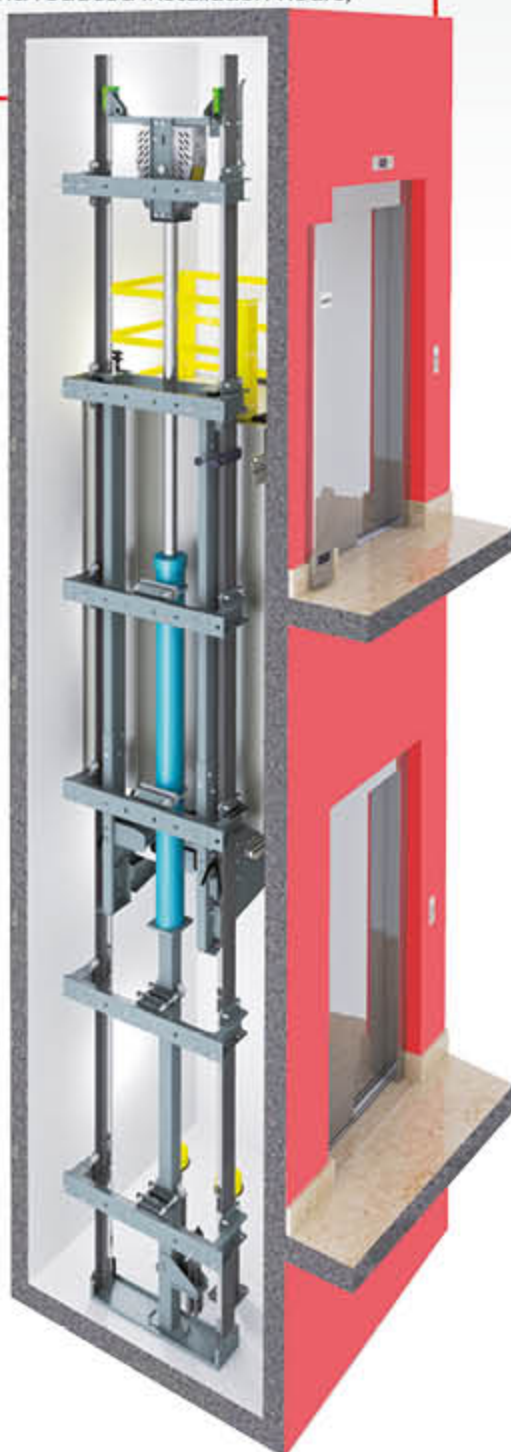
With high safety, full compliance to standards, high quality in material and reduced installation hours, AriesHLS covers all of the necessary requirements a lift installer and user needs.

Minimum Headroom : 3250mm

Minimum Pit Depth : 1000mm

Rated Speed : 0,80 m/s

Rated Load	KG	225	320	400	480	630	800	1000	1275	1500
Number of Persons		3	4	5	6	8	10	13	17	20
Class 1 : Passenger Lift										
Class 2 : Office Lift										
Class 4 : Goods Lift										
Max. Car Area	m ²	0,7	0,9	1,17	1,3	1,66	2	2,4	2,95	3,4
Car Internal Height		2000/2100/2200								
Car Types		Passenger & Goods Lifts								
Door Types		Single Side								
Number of Car Entrances		1, 2 or 3 Entrances								
Door Clear Opening	mm	800 / 900 / 1000								
Door Clear Height	mm	2000 / 2100 / 2200								
Max. Stops		6								
Max. Travel	m	16								
Applicable Standards		ISO 8100-30, EN81-20/50, EN81-58, EN81-70, EN81-71, EN81-72								



ARIES HLS * General Dimensions

CABIN					LIFT SHAFT					DOOR			
Number of Persons	Rated Load	CIW	CID	CIH	WIW	WID 1 Entrance	WID 2 Entrances	HEA	PIT	COW	COH	Door Type	Door Opening
3	225	700	900	2200	1250	1350	1550	3500	1000	800	2000	2 Panels	Left/Right
4	320	900	1000	2200	1400	1350	1550	3500	1000	800	2000	2 Panels	Left/Right
5	400	1000	1000	2200	1400	1450	1550	3500	1000	800	2000	2 Panels	Left/Right
6	480	1000	1200	2200	1500	1550	1750	3500	1000	800	2000	2 Panels	Left/Right
8	630	1100	1400	2200	1600	1750	1950	3500	1000	900	2100	2 Panels	Left/Right
10	800	1350	1400	2200	1850	1750	1950	3500	1000	900	2100	2 Panels	Left/Right
13	1000	1600	1400	2200	2100	1750	1950	3500	1000	900	2100	2 Panels	Left/Right
		1100	2100	2200	1650	2450	2650	3500	1000	1000	2100	2 Panels	Left/Right
17	1275	2000	1400	2300	2750	1750	1950	3700	1200	1100	2100	2 Panels	Left/Right
		1200	2300	2300	1920	2650	2650	3700	1200	1100	2100	2 Panels	Left/Right
21	1500	2100	1600	2300	2920	1950	1950	3700	1200	1100	2100	2 Panels	Left/Right

All given information is for general reference and planning. For specific construction detail, please contact our local sales office

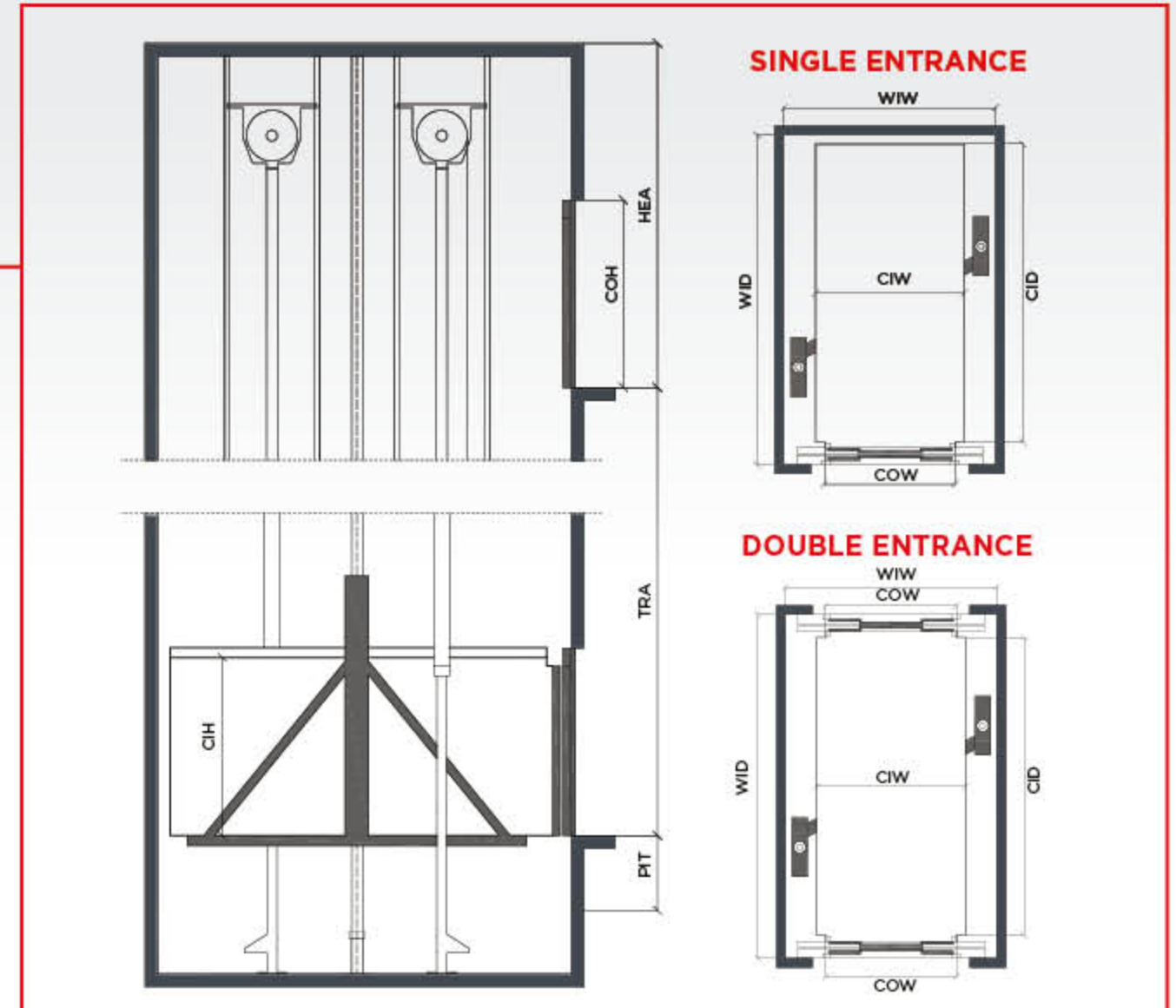
ARIES HFS (HADI) - Hydraulic

Complete System for Heavier Loads

Aries HFS Complete Lift Systems are designed for hydraulic passenger and freight lift applications for residential and office buildings and hospitals, including solutions up to 1 m/s speed and 5000 kg capacity. Designs suitable for freight lifts' special working conditions (car, door, frame, brackets, etc.), it guarantees to work in the hardest circumstances. These solutions are suitable for mid and high range traffic requirements and heavy duty conditions, complies with ISO 4190-5 requirements. With high safety, full compliance to standards, high quality in material and reduced installation hours, Aries HFS covers all of the necessary requirements a lift installer and user needs.

Minimum Headroom	: 3500mm
Minimum Pit Depth	: 1100mm
Rated Speed	: 1 m/s

Rated Load	Kg	1000	1275	1600	2000	2500	3000	3500	5000
Number of Persons		13	17	21	26	33	40	46	66
Class 3 : Hospital Lift									
Class 4 : Goods Lift									
Max. Car Area	m ²	3,6	4,26	5,04	6,64	8,64	10,64	12,64	18,64
Car Internal Height		2200/2300/2400/2600							
Car Types		Goods Lifts							
Door Types		Central or Telescopic							
Car Entrances		1 Entrance or 2 Entrances at 180°							
Door Clear Opening	mm	1100...3000							
Door Clear Height	mm	2000 / 2200 / 2400 / 2600 / 2800							
Max. Stops		6							
Max. Travel	m	16							
Applicable Standards		ISO 8100-30, EN81-20/50, EN81-58, EN81-70 EN81-71, EN81-72							



■ ARIES HFS * General Dimensions

Number of Persons	Rated Load	CAR			Wheelchair Accessible	LIFT SHAFT						DOOR		
		CIW	CID	CIH		WIW	WID 1 Entrance	WID 2 Entrances	HEA	PIT	COW	COH	Door Type	Door Opening
13	1000	1600	1400	2300	Yes	2470	1710	1810	3650	1000	1100	2100	2 Panels	Center
		1200	2300	2300		1970	2680	2680	3700	1050	1100	2100	4 Panels	Center
16	1275	1600	1800	2300	Yes	2470	2110	2220	3700	1050	1100	2100	2 Panels	Center
		2000	1400	2300		2770	1710	1830	3700	1050	1100	2100	2 Panels	Center
		1400	2400	2300		2370	2790	2970	3700	1050	1300	2100	4 Panels	Center
21	1600	1600	2100	2400	Yes	2570	2490	2680	3700	1050	1300	2100	4 Panels	Center
		2100	1600	2400		3070	1990	2190	3700	1050	1300	2100	4 Panels	Center
		1500	2700	2400		2470	3100	3290	3750	1100	1300	2100	4 Panels	Center
26	2000	2350	1700	2400	Yes	3320	2100	2300	3750	1100	1300	2100	4 Panels	Center
		1800	2700	2400		2770	3100	3300	3750	1100	1300	2200	4 Panels	Center
33	2500	1800	2700	2400	Yes	2770	3100	3300	3750	1100	1300	2200	4 Panels	Center
40	3000	1800	2700	2400	Yes	2770	3100	3300	3750	1100	1300	2200	4 Panels	Center
47	3500	2100	3000	2600	Yes	3270	3410	3610	3850	1200	1800	2400	4 Panels	Center
		2400	2600	2600		3570	3100	3400	3850	1200	2200	2400	6 Panels	Center
66	5000	2500	3500	2600	Yes	3870	4000	4300	4000	1400	2300	2400	6 Panels	Center

All given information is for general reference and planning. For specific construction detail, please contact our local sales office

ARIES Robust

Steel Shaft Construction

Aries Robust Steel Construction Lift Shaft System, used up to 1.6 m/s speed and 1000 kg capacity, is designed to enable lift applications in residences, commercial, historical and public buildings with none existing hoistways.

The modular structure provides ease of logistics and installation thanks to the design that does not require welding and drilling. All preparations for consoles, doors and other equipment are completed at the factory.

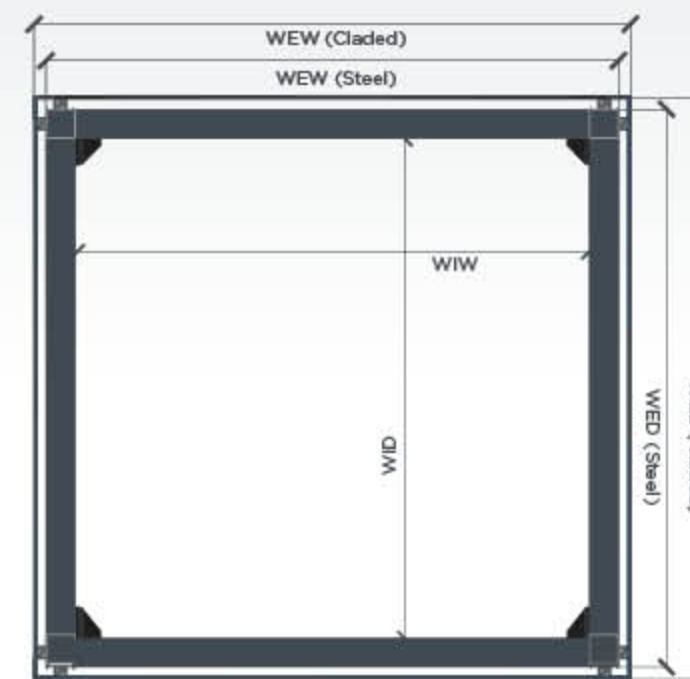
With high safety, full compliance to standards, high quality in material and reduced installation hours, Aries HFS covers all of the necessary requirements a lift installer and user needs.



Rated Speed : max. 1.6 m/s

Rated Load	KG	320	480	630	800	1000
Number of Persons		4	6	8	10	13
Machine Room		Machine Roomless				
Class 1 : Passenger Lift						
Class 2 : Office Lift						
Class 4 : Goods Lift						
Car Entrances		1 Entrance, 2 entrances at 180° or 3 entrances				
Max. Stops		4				
Max. Shaft Height	m	16,5				
Construction Type		The Profiles, Pre-welded				
Assembly Type		Bolts (Without Welding)				
Bracket Distance	mm	1200				
Applicable Standards		ISO 8100-30, EN81-20, EN 1090				
Color Choose		Ral 7012 (Gray), Ral 9005 (Black) - /C3 Class				
Coating Options		Laminated Glass, Composite Panels/ EN 13501-1				
Air Circulation		Natural Ventilation				

SINGLE OR DOUBLE ENTRANCE



ARIES ROBUST * General Dimensions

Number of Persons	Rated Load	CAR			LIFT SHAFT					
		CIW	CID	CIH	WIW	WID	WEW (Steel)	WEW (Claded)	WED (Steel)	WED (Claded)
4	320	900	1000	2200	1500	1350	1700	1782	1500	1632
6	480	1000	1200	2200	1600	1550	1800	1882	1750	1832
8	630	1100	1400	2200	1700	1750	1900	1982	1950	2032
10	800	1350	1400	2200	1950	1750	2150	2232	1950	2032
13	1000	1600	1400	2200	2200	1750	2400	2482	1950	2032
		1100	2100	2200	1700	2450	1900	1982	1450	1532

All given information is for general reference and planning. For specific construction detail, please contact our local sales office

ARIES Suit

Machine Roomless Lift System

Aries Suit offers Machine-Roomless Lift System Solutions up to 1000 kg capacity and 1,6 m/s car speed, to buildings that are not compatible to standards; the ones with inadequate size of shaft pit and headroom. The aim of the design is to create cost-effective Complete Lift System with standardized components and optimized dimensions. Car and Car Frame used in this system are designed to fulfill the requirements.

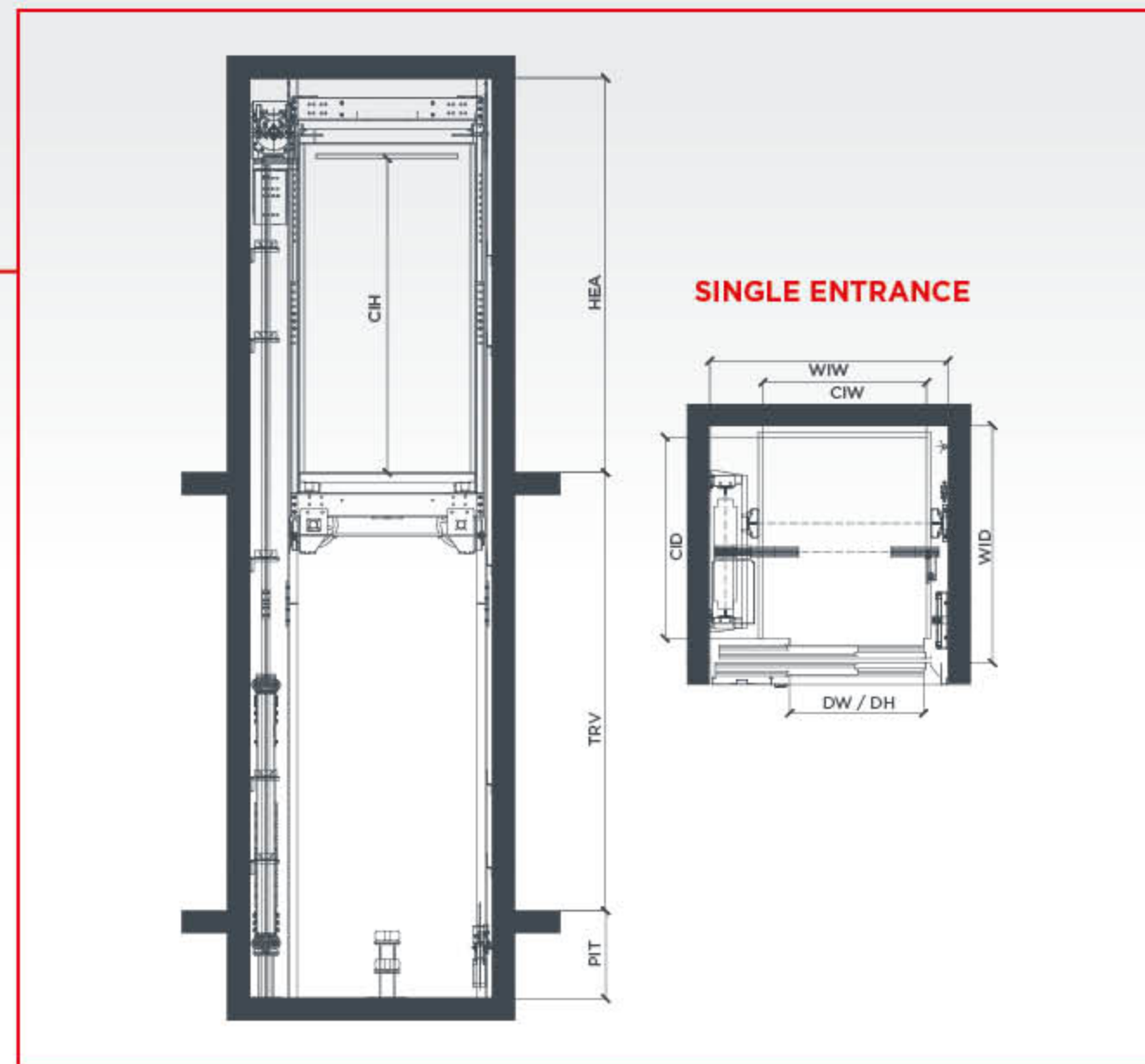
Risk analysis are completed and the system is fully compatible to EN81-21 Standards.

Minimum Headroom : 2800mm

Minimum Pit Depth : 400mm

Rated Speed : 1 m/s - 1,6 m/s

Rated Load	KG	225	320	400	480	630	800	1000
Number of Persons		3	4	5	6	8	10	13
Machine Room		Machine Roomless						
Class1: Passenger Lift								
Class2: Office Lift								
Max. Car Area	m ²	0,7	0,9	1,17	1,3	1,66	2	2,4
Car Internal Height		2150						
Car Types		Passenger Cabins						
Door Type		Single Side						
Car Entrances		1 Entrance or 2 Entrances at 180°						
Door Clear Opening	mm	800 / 900/1000						
Door Clear Height	mm	2000 / 2100						
Max. Stops		64						
Max. Travel	m	80						
Applicable Standards		ISO 8100-30, EN81-20/50, EN81-21 EN81-58, EN81-70						



■ ARIES SUIT® General Dimensions

CAR					WELL				DOOR				
Number of Persons	Rated Load	CIW	CID	CIH	WIW	WID 1 Entrance	WID 2 Entrances	HEA	PIT	COW	COH	Door Type	Door Opening
3	225	700	900	2200	1250	1250	1450	3650	1000	800	2000	2 Panels	Left/Right
4	320	900	1000	2200	1450	1350	1550	3650	1000	800	2000	2 Panels	Left/Right
5	480	1000	1100	2200	1550	1550	1750	3650	1000	800	2000	2 Panels	Left/Right
6	480	1000	1200	2200	1550	1550	1750	3650	1000	800	2000	2 Panels	Left/Right
8	630	1100	1400	2200	1650	1750	1950	3650	1000	900	2100	2 Panels	Left/Right
10	800	1350	1400	2200	1900	1750	1950	3650	1000	900	2100	2 Panels	Left/Right
13	1000	1600	1400	2200	2150	1750	1950	3650	1000	900	2100	2 Panels	Left/Right
		1100	2100	2200	1700	2450	2650	3650	1000	1000	2100	2 Panels	Left/Right

All given information is for general reference and planning. For specific construction detail, please contact our local sales office

ARIES 150 MRL

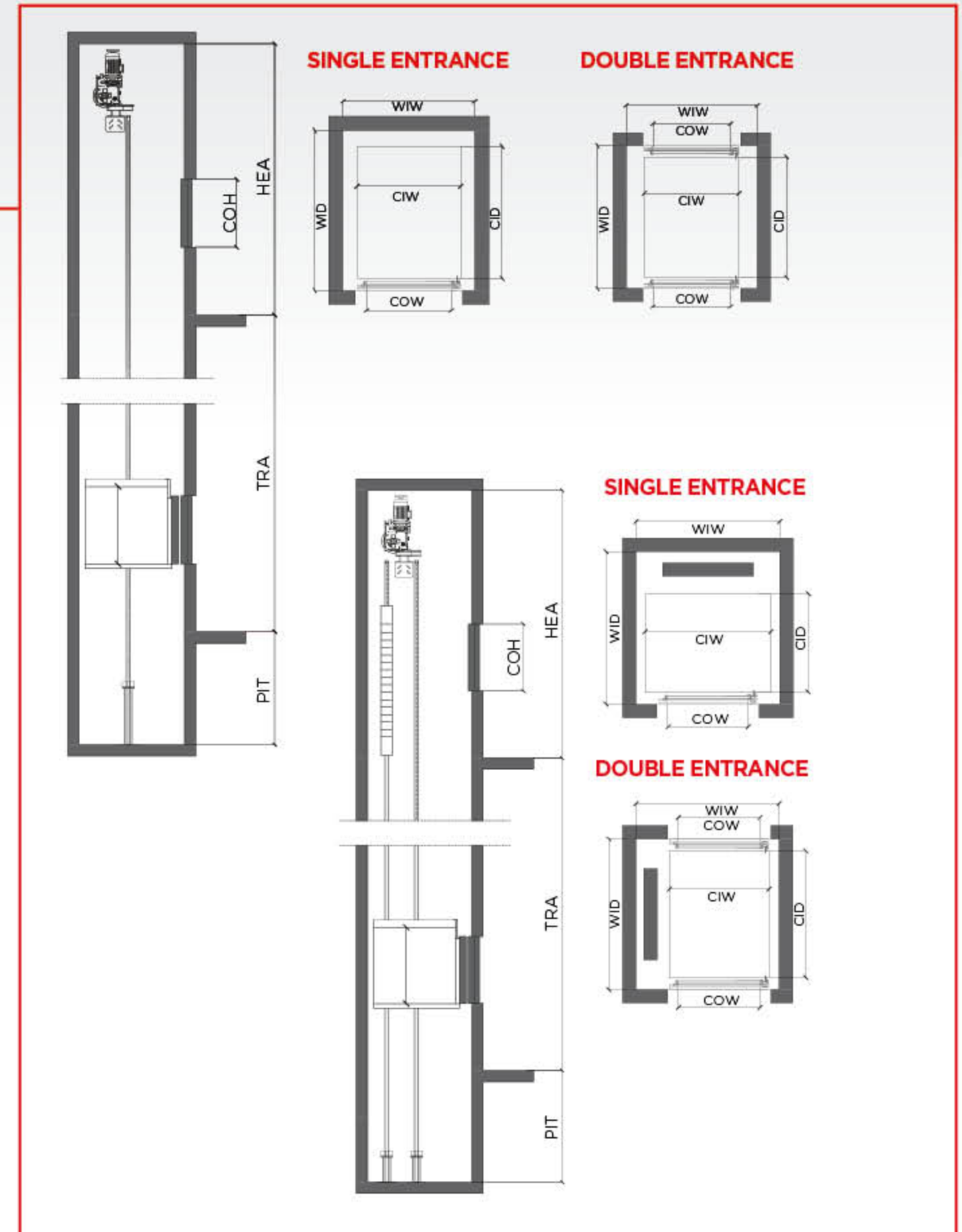
Dumb-Waiter Lifts

Dumb-waiter lifts are often used in restaurants, hotels, hospitals and sometimes in villas for vertical transportation of small materials.

Dumb-waiter lifts can be produced as hydraulic or mechanic systems in order to meet the expectation and need of different capacities, speeds and travels.

Minimum Headroom	: 3000mm
Minimum Pit Depth	: 800mm
Rated Speed	: max. 0,46 m/s

Rated Load	KG	100 - 300
Machine Room		Machine Roomless
Class 5: Service Lift		
Car Internal Height		800-900
Car Types		Service Elevators
Door Type		Guillotine or Single Side
Car Entrances		1 Entrance or 2 Entrances at 180°
Door Clear Opening	mm	600...1000
Door Clear Height	mm	600...1000
Max. Stops		6
Max. Travel	m	15
Applicable Standards		EN81-41, 2006/42/EC, ISO 9386-1



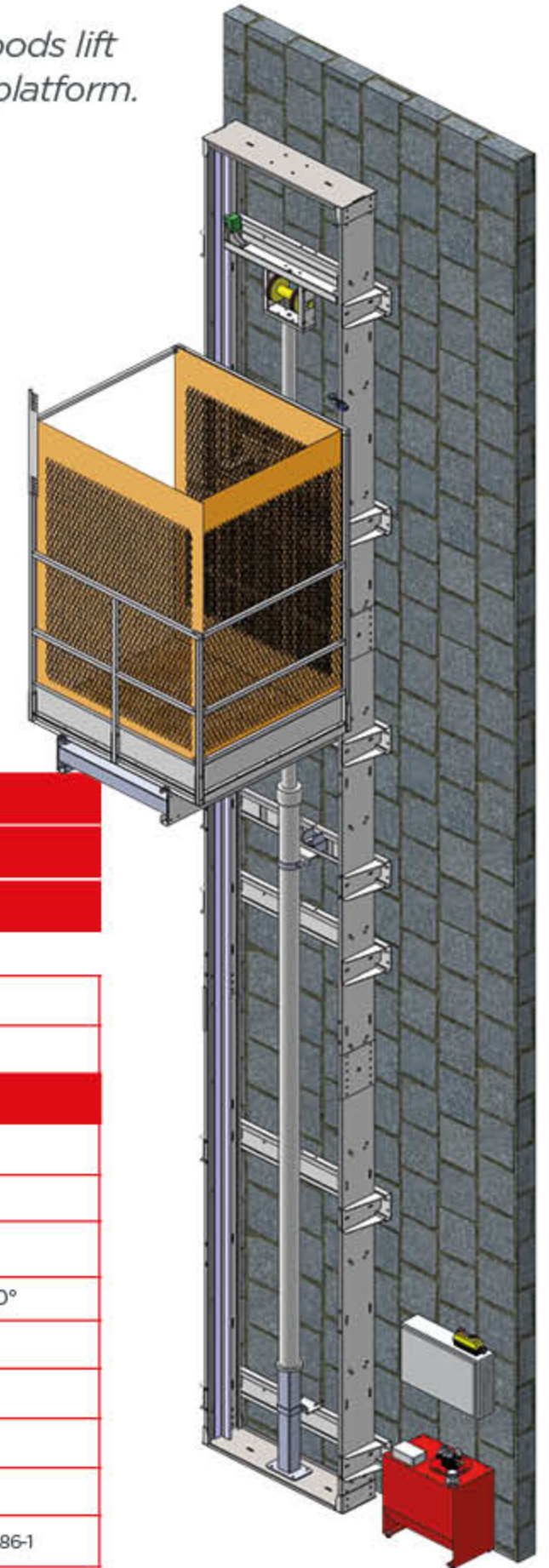
ARIES ACompact
Compact Hydraulic Goods Lifts

We have an easy-to-assemble and budget-friendly solution for Vertical Transport of Loads!

"Work hard to make things easier"
Pete Carril



Hydraulic Goods lift with closed platform.



Minimum Headroom	: 2500mm
Minimum Pit Depth	: 300mm
Rated Speed	: max. 0,15 m/s

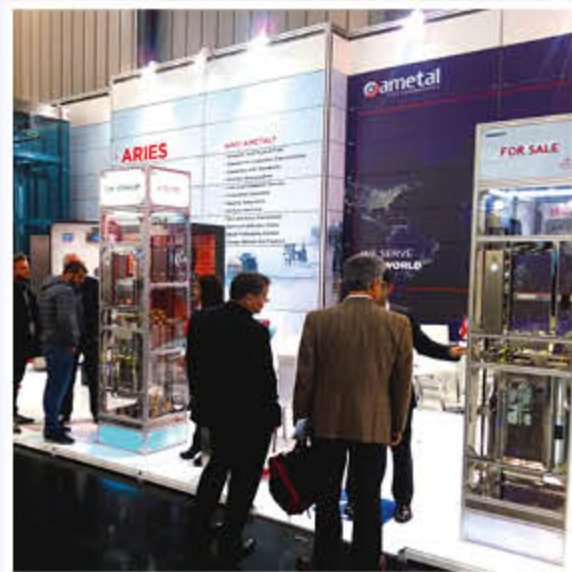
Rated Load	KG	max. 1500
Machine Room		Machine Roomless
Class 4: Goods Lift		
Car Internal Height		2000
Car Types		Goods Elevator
Door Type		Semi Automatic
Car Entrances		1, 2 or 3 Entrances at 180°
Door Clear Opening	mm	900.....1200
Door Clear Height	mm	2000
Max. Stops		4
Max. Travel	m	12
Applicable Standards		EN81-41, 2006/42/EC, ISO 9386-1

MINILIFT®

MINILIFT® is a 3D, dynamic model lift that was designed and produced by AMETAL.

1:4 scale, aesthetic design that is produced adhering to the original lift system; Aries 450 MRL®

It is a unique product to display in showrooms, exhibition centers and schools.



"A work of art is the unique result of a unique temperament"
Oscar Wilde



nanolift[®]+

Nanolift Plus is an operating model of a Machine-Room-Less Elevator* made in 1/8 scale.

290 x 255 x 740 mm
15Kg

Standard	: EN 81-20
Drive Type	: MRL 2:1
Speed	: 0,05 m/s
Stops	: 2
Entrance Type	: 1
Landing & Car Doors	: Central Opening

We Miniaturized the Elevator and Put It in a Bag!



Made of high quality stainless steel, the model Elevator Nanolift Plus is produced with your company's logo.



It consists of components that are produced in a 3D printer and comply with real-life products.



When you operate Nanolift Plus, the elevator cab moves like in a real elevator. The overdoor floor indicators will light up according to the direction of travel.



It is a plug-and-play system with electrical installation suitable for 110 VAC / 230 Vac, 50-60 Hz inputs.

Other striking features of Nanolift Plus:

- ▶ Sliding Automatic Doors
- ▶ Voice Announcement
- ▶ Realistic Cab Design

Optional

Nanolift Plus has its special trolley case bag. While this optional feature provides you with ease of use and carrying comfort, it also protects Nanolift Plus from impacts and scratches.





Customized Fixtures

We see it as a part of our job to try distinct colors and textures in our designs while creating new model fixtures. Thanks to that, Ametal Fixtures offer special solutions to meet the dreams, expectations and needs of customers.

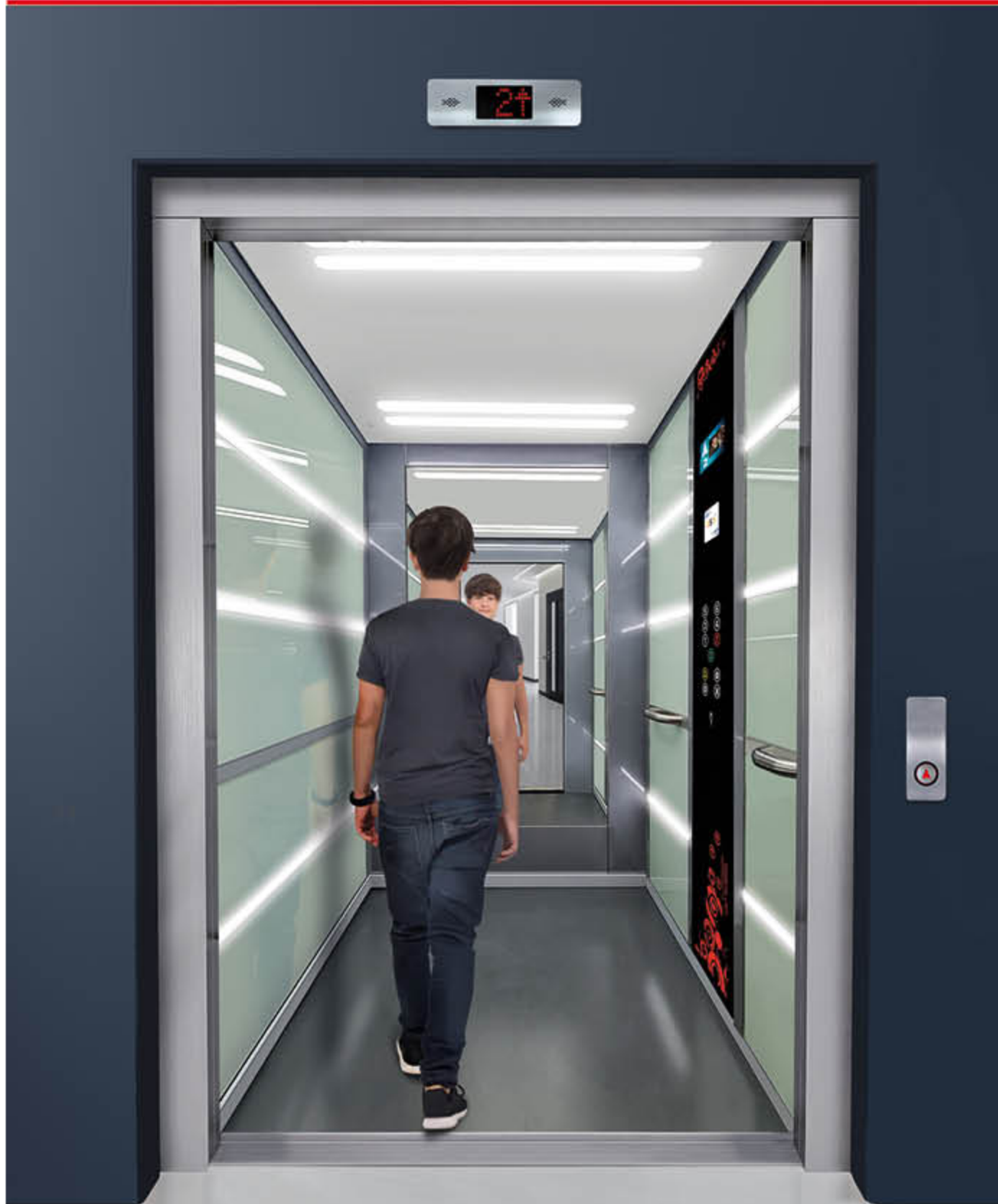
Produced according to the lift standards by experienced and skillful hands, they are fully compatible with the cabin or the wall, where they are installed.

Ametal Cabin *Designs*

Cabin designs should reflect the tastes of their passengers, comply with the requirements of directives, and provide the passenger with a simple, safe and pleasant travel experience.

The Ametal Cabin Series is designed to make the passenger feel safe and comfortable. Fine details in its manufacturing enable easy assembly in the shaft, right on the cabin surface, with installation and servicing requiring fewer personnel and less time.

Aries Complete Lift Systems are fully compatible with Ametal Cabin and Car Frame Series.


NOVO


4 Benefits of Ametal Cabins

- Richly Diverse
- Easy Installation
- Constantly Improved Features
- Full Compliance With Directives



An Ideal **Lift Controller** by Ametal

At Ametal, we make sure that our lift control panels with plug-n-play features, orchestrate all the operations of the lift flawlessly and ensure safety.

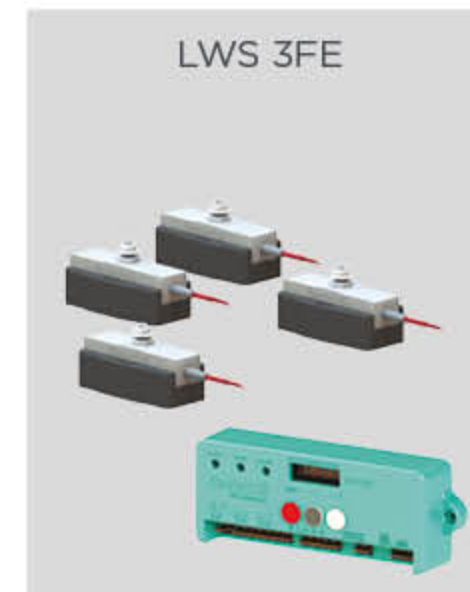


LWS 3FE LOAD WEIGHING SYSTEMS

One of the most important issues in an elevator is correct measurement and feedback. If one of these functions is missing, comfort will deteriorate.

LWS 3FE Electronic Load Weighing Systems are the choice of those who cannot make sacrifices in these two issues.

Electronic systems produced by Ametal can measure the load from different points with three different options.



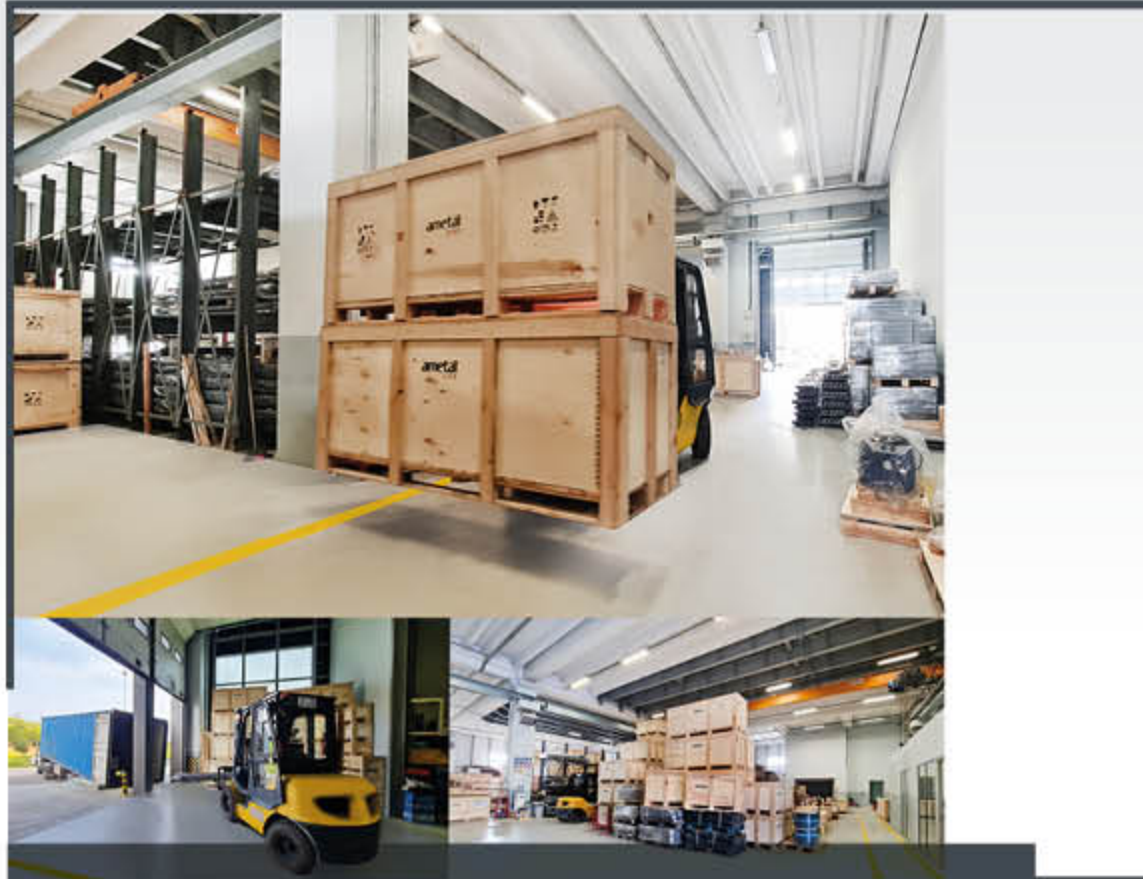


Aries 450 MRL®
Copenhagen, Denmark



Our References

With the quality of its products at hand, as well as its flexible corporate identity well-suited for changing demands, Ametal has earned the acclaim of customers spanning more than 65 countries across the globe.



PROFESSIONAL PACKING & OPTIMISED DISPATCH

For us, all parts of a lift are important and they deserve delicate packing. Our customers enjoy the comfort of having their orders in optimum delivery terms.



AFTER SALES SUPPORT

One of the most important reasons of our success in the lift sector is that, we feel the burden of liability and continuous service quality. The technical support, supplied by our professional crew, starts even before shipment. This is only a small part of our commitment to customer satisfaction and privileged service to our clients.

Our certified systems underpin the work the business undertakes, to ensure our products and services meet or exceed both AMETAL's and its customers' needs and expectations.

QUALITY MANAGEMENT



ISO 9001:2015

LIFT CONTROL PANEL FOR ELECTRIC LIFTS



EMC CERTIFICATE FOR LIFT CONTROL PANEL



COMPLETE LIFT SYSTEMS



ARIES 350+ Homelift +



ARIES 400



ARIES 450



ARIES EFS



ARIES SUIT



ARIES 250 MR-D

ametal[®] lift

Ametal Lift Components

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April 2022



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