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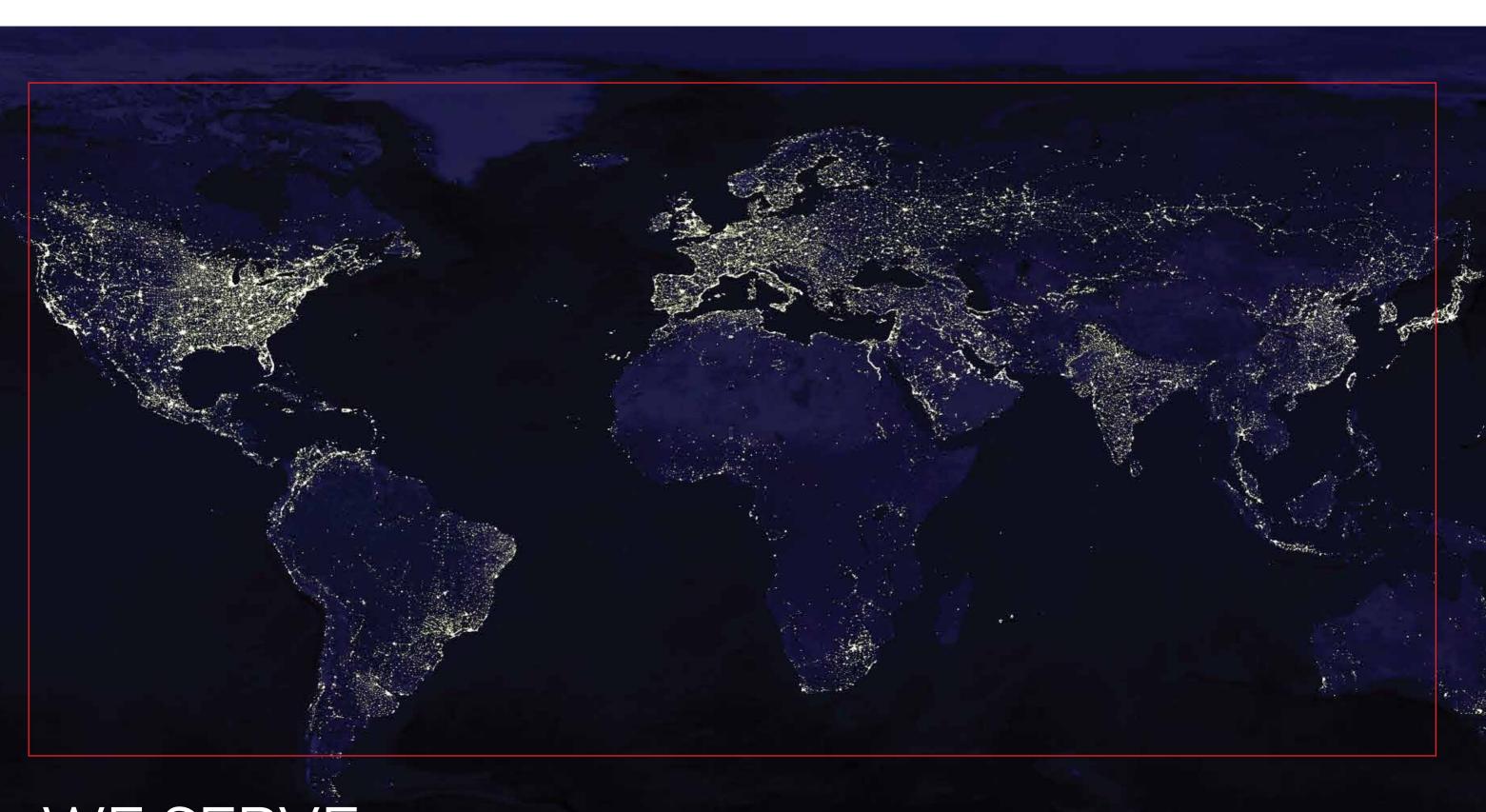
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# WE SERVE THE WORLD.

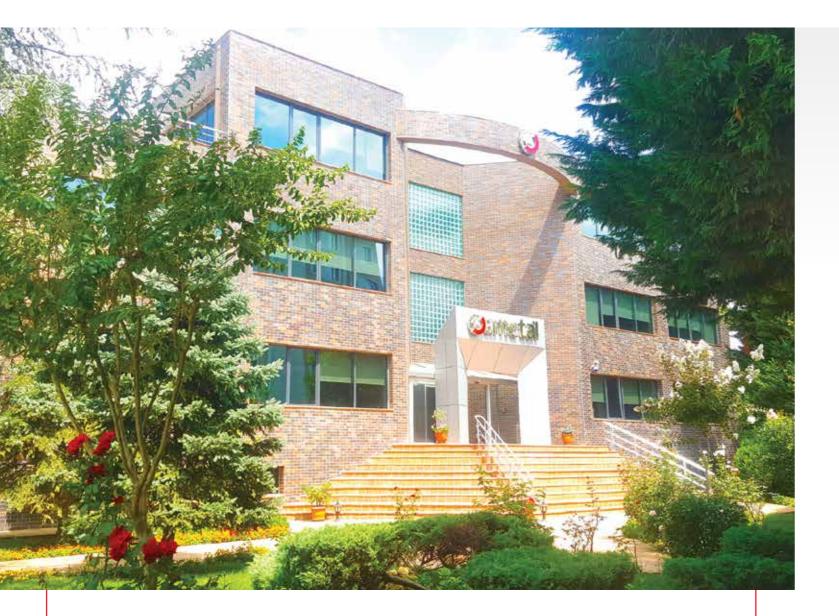


3

www.ametal.com

### **ARIES** COMPLETE LIFT SYSTEMS





### THE WORLD OF AMETAL

AMETAL was founded on March 9, 1988, at a time when manufacturing technologies were new in Turkey, with the goal of developing new and distinct products for lifts. Its principal activities during the first few years were the production of buttons and control panels.

The vision of founder İsmail Yıldırım was not that of simply adhering to a well defined standard, but raising it higher with respect to varying needs and technologies. With this philosophy in mind, the quality of its genuine products at hand, as well as its flexible and innovative corporate identity well-suited for changing demands, Ametal has earned the acclaim of customers spanning 50 countries across the globe since the 1990s. Ametal is known in its sector for its constantly evolving, creative identity and its line of unique products.

Analyzing worldwide trends, needs and technologies, generating solutions to demands and converting them into service for its customers are the fundamental working principles of AMETAL. For this reason, in addition to the button and weight measurement systems it specializes in, it provides to its clients COMPLETE LIFT SYSTEMS (Aries Series) as a comfortable, practical and economical solution.

Ametal focuses on increasing their share in world market as a complete lift systems producers with its new facilities that provide advantages over sales, logistics, services and storage in 2017.

### **OUR CORPORATE VALUES**

#### Professional and dynamic approach

Quality and promptitude, are our strong aspects. We are focused on customer satisfaction. We follow advances in our area of expertise very closely, detect customers' needs very swiftly and provide the highest quality of service with the most innovative approach.

#### **Ethical Attitude**

We place regard for man, the environment and the law at the forefront. Within every geographical boundary we do business in, we respect political and cultural values, act transparently and in accordance with laws and business ethics.

#### **Team Spirit**

We see teamwork as a guarantee of personal success. Creating a healthy work environment in which opinions are freely voiced and participants work in harmony with a strong sense of belonging is one of our top priorities.

#### Leadership

We are leaders within our sector in terms of creating new products and utilizing new technologies. With our specialized team of experts, we base our processes on the customers' demands and create opportunities for development and innovation.

#### Sincerity

We pride ourselves on providing warm and friendly service to our customers. We listen well to our customers, and with our solution-oriented thinking, develop the most suitable product for their needs with the aim of maximizing their satisfaction.

#### Winning Together

"If the waters rise, all ships stay afloat" Ametal believes that the outputs of its internal industrial design and R&D processes should benefit the sector and the country as well as the company.





7



### > **ARIES** COMPLETE LIFT SYSTEMS



# ARIES 450 MRL®

Machine Roomless Complete Systems

Aries 450 Complete Lift Systems are designed for machine roomless passenger lift applications for residential and office buildings, including solutions up to 2m/s speed and 1000 kg capacity.

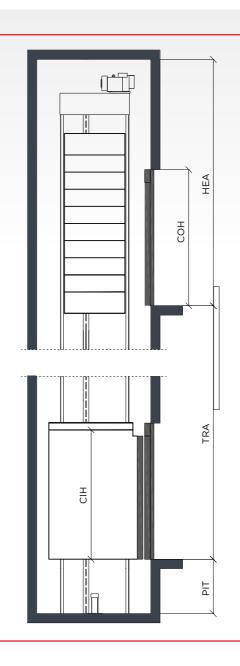
With modular structure, reduced measurements and using small drive equipments, it provides easy installation and energy efficiency.

With high security, full compliance to standards, high quality in material and reduced installation hours, Aries 450 covers all of the necessary requirements a lift installer and user needs.

To answer all of the different requirements, there are standard layouts provided, which are fully in line with the Aries Robust steel construction solutions and Ametal Car design series.

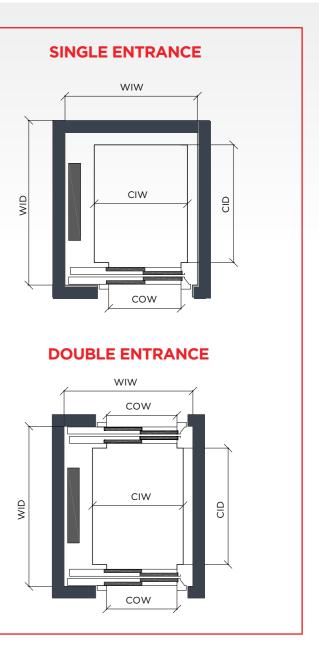
		700	150	070		1000					
Rated Load	kg	320	450	630	800	1000					
Number of Persons		4	6	8	10	13					
Rated Speed	m/s		u	ip to 2 m	/s						
Machine Room				without							
Class 1 : Passenger Lift											
Class 2 : Office Lift											
Class 3 : Hospital Lift											
Class 4 : Goods Lift											
Max. Car Area	m²	m <sup>2</sup> 0,9 1,3 1,66 2 2,4									
Car Internal Height		2250									
Car Types		Swan,	Lumina, I	Miel, Nov	o, Uno, N	lature					
Door Type			Telescop	oic Single	Side						
Number of Car Entrances		1 Ent	rance or	2 Entran	ces at 180	)°					
Door Clear Opening			80	0 / 900							
Door Clear Height			200	00 / 2100	)						
Max. Number of Stops				25							
Max. Travel				80							
Max. Headroom				3650							
Min. Pit Depth				1000							
Applicable Standards	ISO 419	0-1, EN81-	·20, EN81·	-58, EN81	-70, EN81	-71, EN81-72					





#### ARIES 450 MRL<sup>®</sup> General Dimensions

		CAR						WEL	L			[	DOOR	
Number of Persons	Rated Load	CIW	CID	CIH		WIW	WID 1 Entrance	WID 2 Entrances	HEA	PIT	COW	СОН	Door Type	Door Opening
4	320	900	1000	2250		1450	1350	1550	3650	1000	800	2000	2 Panels	Left/Right
6	450	1000	1200	2250		1550	1550	1750	3650	1000	800	2000	2 Panels	Left/Right
8	630	1100	1400	2250	Æ	1650	1750	1950	3650	1000	900	2100	2 Panels	Left/Right
10	800	1350	1400	2250	5	1900	1750	1950	3650	1000	900	2100	2 Panels	Left/Right
13	1000	1600	1400	2250	<b>N</b> Z	2150	1750	1950	3650	1000	900	2100	2 Panels	Left/Right
15	1000	1100	2100	2250	的名	1700	2450	2650	3650	1000	800	2100	2 Panels	Left/Right



9



### ARIES 450+ MRL®

Machine Roomless Complete Systems

Aries 450 Complete Lift Systems are designed for machine roomless passenger lift applications for smaller size residential building shafts, including solutions up to 2m/s speed and 1000 kg capacity.

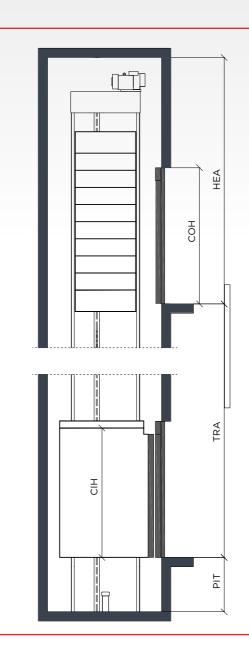
With modular structure, reduced measurements and using small drive equipments, it provides easy installation and energy efficiency. The advantage of the design is, we consider steel ropes suitable for smaller pulley diameters, also frames and counterweight frames improved for these steel ropes.

Thus, the machine roomless applications are avaliable within ISO 4190-1 series measurements. With high security, full compliance to standards, high quality in material and reduced installation hours, Aries 450+ covers all of the necessary requirements a lift installer and user needs.

To answer all of the different requirements, there are standard layouts provided, which are fully in line with the Aries Robust steel construction solutions and Ametal Car design series.

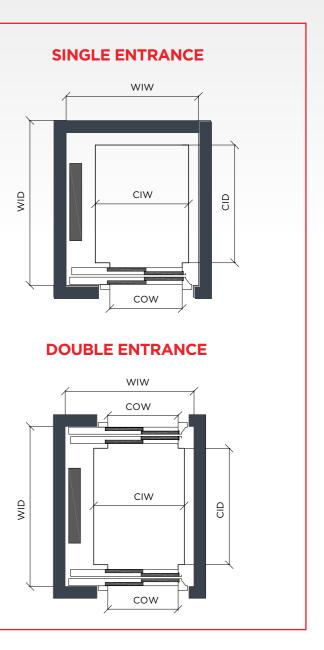
Rated Load	kg	320	450	630	800	1000				
Number of Persons		4	6	8	10	13				
Rated Speed	m/s		u	p to 2 m	/s					
Machine Room				without						
Class 1 : Passenger Lift										
Class 2 : Office Lift										
Class 4 : Goods Lift										
Max. Car Area	m²	0,9	1,3	1,66	2	2,4				
Car Internal Height		2250								
Car Types		Swa	n, Lumin	a, Miel, N	ovo, Unc	o, Nature				
Door Type			Teles	copic Sir	ngle Side					
Number of Car Entrances		1	Entrance	or 2 Ent	rances a	t 180°				
Door Clear Opening				800/9	00					
Door Clear Height			2	2000 / 2	100					
Max. Number of Stops				25						
Max. Travel		80								
Max. Headroom				3650						
Min. Pit Depth				1000						
Applicable Standards		ISO 4	,	81-20, EN 81-71, EN	,	N81-70,				





### ARIES 450+ MRL <sup>®</sup> General Dimensions

		CAR						WEL	L			D	OOR	
Number of Persons	Rated Load	CIW	CID	CIH		WIW	WID 1 Entrance	WID 2 Entrances	HEA	PIT	COW	СОН	Door Type	Door Opening
4	320	900	1000	2250		1400	1350	1550	3500	1000	800	2000	2 Panels	Left/Right
6	450	1000	1200	2250		1500	1550	1750	3500	1000	800	2000	2 Panels	Left/Right
8	630	1100	1400	2250	Ę.	1600	1750	1950	3500	1000	900	2100	2 Panels	Left/Right
10	800	1350	1400	2250	Cr.	1850	1750	1950	3500	1000	900	2100	2 Panels	Left/Right
13	1000	1600	1400	2250	南会	2100	1750	1950	3500	1000	900	2100	2 Panels	Left/Right
13	1000	1100	2100	2250		1650	2450	2650	3500	1000	800	2100	2 Panels	Left/Right





## ARIES 450 MR®

### Machine Room Complete Systems

Aries 450 MR Complete Lift Systems are designed for machine room above, passenger and freight lift applications for residential and office buildings and hospitals, including solutions up to 2m/s speed and 1600 kg capacity.

With modular structure, reduced measurements and using small drive equipments, it provides easy installation and energy efficiency.

These solutions are suitable for mid and high range traffic requirements and heavy

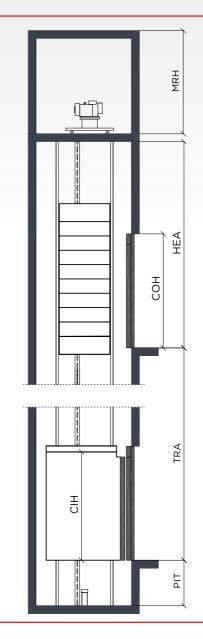
duty conditions, and comply with ISO 4190-1 requirements.

With high security, full compliance to standards, high quality in material and reduced installation hours, Aries 450 MR covers all of the necessary requirements a lift installer and user needs.

To answer all of the different requirements, there are standard layouts provided, which are fully in line with the Aries Robust steel construction solutions and Ametal Car design series.

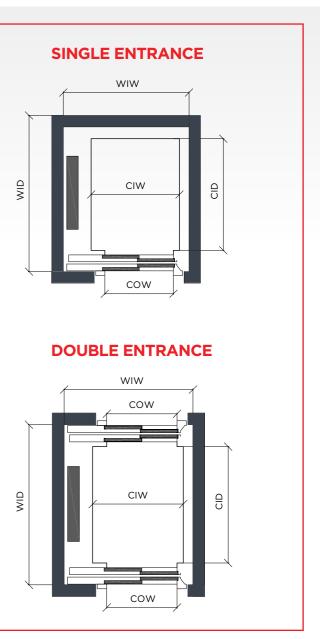
Rated Load	kg	320	450	630	800	1000	1275	1600		
Number of Persons		4	6	8	10	13	17	21		
Rated Speed	m/s			up	o to 2 m/	′s				
Machine Room				Abo	ove the V	Vell				
Class 1 : Passenger Lift										
Class 2 : Office Lift										
Class 3 : Hospital Lift										
Class 4 : Goods Lift										
Max. Car Area	m²	0,9 1,3 1,66 2 2,4 2,95 3,56								
Car Internal Height		2250 / 2350 2250/2450								
Car Types			Swan,	Lumina	a, Miel, No	ovo, Uno,	Nature			
Door Type				Telesc	opic Sing	gle Side				
Number of Car Entrances			1 En	trance o	or 2 Entra	ances at î	180°			
Door Clear Opening				800	) / 900 /	1000				
Door Clear Height				2	000 / 21	00				
Max. Number of Stops					25					
Max. Travel		80								
Max. Headroom				350	0		37	00		
Min. Pit Depth				100	0		120	00		
Applicable Standards		ISO 419	90-1, EN	181-20, E	N81-58, E	N81-70, E	N81-71, E	N81-72		





#### ARIES 450 MR <sup>®</sup> General Dimensions

		CAR						WELI	L				DOOR	
Number of Persons	Rated Load	CIW	CID	CIH		WIW	WID 1 Entrance	WID 2 Entrances	HEA	PIT	COW	СОН	Door Type	Door Opening
4	320	900	1000	2250		1400	1350	1550	3500	1000	800	2000	2 Panels	Left/Right
6	450	1000	1200	2250		1500	1550	1750	3500	1000	800	2000	2 Panels	Left/Right
8	630	1100	1400	2250		1600	1750	1950	3500	1000	900	2100	2 Panels	Left/Right
10	800	1350	1400	2250	Ŀ	1850	1750	1950	3500	1000	900	2100	2 Panels	Left/Right
13	1000	1600	1400	2250	F	2100	1750	1950	3500	1000	900	2100	2 Panels	Left/Right
15	1000	1100	2100	2250		1650	2450	2650	3500	1000	800	2100	2 Panels	Left/Right
17	1275	2000	1400	2350	<b>D</b> Z	2750	1750	1950	3700	1200	1100	2100	2 Panels	Left/Right
17	1275	1200	2300	2350	的名	1920	2650	2850	3700	1200	1100	2100	2 Panels	Left/Right
21	1600	2100	1600	2350		2920	1950	2150	3700	1200	1100	2100	2 Panels	Left/Right



### **ARIES** COMPLETE LIFT SYSTEMS



## ARIES MR-b®

Machine Room Complete Systems

Aries MR-b Complete Lift Systems are designed for machine room passenger and freight lift applications for residential, office and hospital buildings, including solutions up to 2m/s speed and 1600 kg capacity.

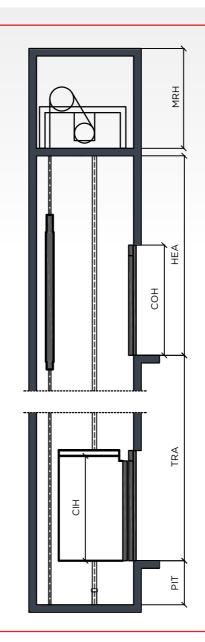
With modular structure, reduced measurements and using small drive equipments, it provides easy installation and energy efficiency. With shaft plans having the counterweight frame at the rear side, enables the 1:1 and 1:2 applications. These solutions are suitable for mid and high level traffic requirements and heavy duty conditions, and comply with ISO 4190-5 requirements.

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

To answer all of the different requirements, there are standard layouts provided, which are fully in line with the Ametal Car design series.

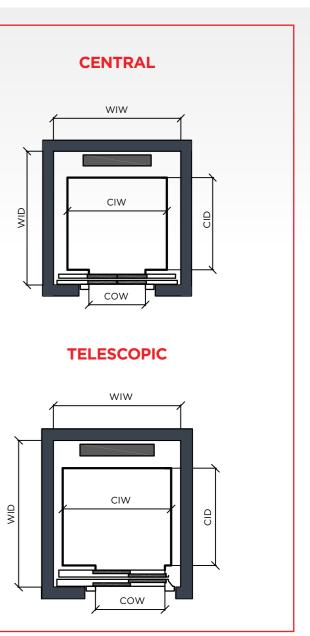
Rated Load	kg	320	450	630	800	1000	1275	1600		
Number of Persons		4	6	8	10	13	17	21		
Rated Speed	m/s			up	o to 2 m/	/s				
Machine Room				Abo	ove the V	Vell				
Class 1 : Passenger Lift										
Class 2 : Office Lift										
Class 3 : Hospital Lift										
Class 4 : Goods Lift										
Max. Car Area	m²	0,9 1,3 1,66 2 2,4 2,95 3,56								
Car Internal Height		2250 / 2350 / 2450								
Car Types		\$	Swan, L	umina, N	Miel, Nov	o, Uno, N	lature			
Door Type				Telesc	opic Sing	gle Side				
Number of Car Entrances			1 En	trance o	or 2 Entra	ances at '	180°			
Door Clear Opening				800	) / 900 /	1000				
Door Clear Height				2	000 / 21	00				
Max. Number of Stops					25					
Max. Travel		80								
Max. Headroom				350	0		37	00		
Min. Pit Depth				100	0		120	00		
Applicable Standards		ISO 41	90-1, EN	181-20, E	N81-58, E	N81-70, E	N81-71, EI	N81-72		





#### ARIES MR-b General Dimensions

		CAR						W	ELL				D	OOR	
Number of Persons	Rated Load	CIW	CID	CIH		WIW Central Opening	WID Central Opening	WIW Side Opening	WID Side Opening	HEA	PIT	COW	СОН	Door Type	Door Opening
4	320	900	1000	2250		1600	1570	1450	1630	3500	1000	700	2000	2 Panels	Left/Right
6	450	1000	1200	2250		1750	1770	1500	1830	3500	1000	800	2000	2 Panels	Left/Right
8	630	1100	1400	2250		1900	1970	1630	2040	3500	1000	900	2100	2 Panels	Left/Right
10	800	1350	1400	2250	J.	1900	1970	1650	2040	3500	1000	900	2100	2 Panels	Left/Right
13	1000	1600	1400	2250	Ġ	1980	1970	1980	2040	3500	1000	900	2100	2 Panels	Left/Right
15	1000	1100	2100	2250		1800	2670	1630	2740	3500	1000	800	2100	2 Panels	Left/Right
17	1275	2000	1400	2350	ISH:	2400	1970	2380	2040	3700	1200	1100	2100	2 Panels	Left/Right
17	1275	1200	2300	2350	<b>R</b>	2400	2870	1950	2940	3700	1200	1100	2100	2 Panels	Left/Right
21	1600	2100	1600	2350		2500	2170	2480	2240	3700	1200	1100	2100	2 Panels	Left/Right



### > **ARIES** COMPLETE LIFT SYSTEMS



### **ARIES EFS - Electric** "FREIGHT" SYSTEMS

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 1,6m/s speed and 3500 kg capacity.

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

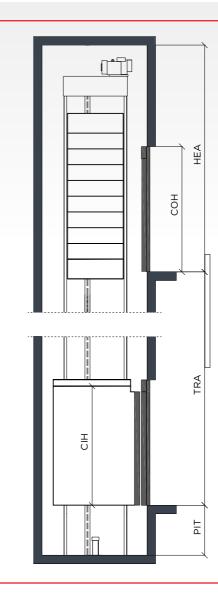
These solutions are suitable for mid and high range traffic requirements and heavy duty conditions, complies with ISO 4190-1 requirements.

With high security, 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.

To answer all of the different requirements, there are standard layouts provided, which are fully in line with the Aries Robust steel construction solutions and Ametal Car design series.

Rated Load	kg	1000	1275	1600	2000	2500	3000	3500	5000	
Number of Persons		13	16	21	26					
Rated Speed	m/s		up t	o 1,6 m/	/s		up to 1	m/s		
Class 2 : Office Lift										
Class 3 : Hospital Lift										
Class 4 : Goods Lift										
Max. Car Area	m²	2,4	2,95	3,56	4,2	5	7,24	8,04	10,44	
Car Internal Height		2300, 2400, 2600								
Car Types		Grande, Carrirer								
Door Type				Tele	scopic	Single S	Side			
Number of Car Entrances			1 E	Entrance	e or 2 E	ntrance	es at 180	)°		
Door Clear Opening					9003	3000				
Door Clear Height				2200 /	2200 /	2300 /	/ 2400			
Max. Number of Stops					2	5				
Max. Travel		80								
Min. Headroom				3700	)		390	00	4000	
Min. Pit Depth					90	0				
Applicable Standards		EN81-20, EN81-58, EN81-70, EN81-71, EN81-72								

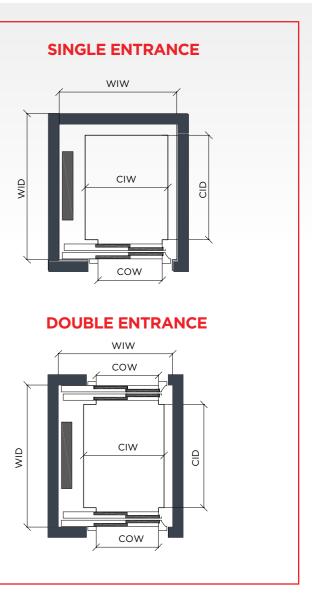




### ARIES EFS FREIGHT SYSTEMS General Dimensions

		CAR						WELL					DOOR	
Number of Persons	Rated Load	CIW	CID	CIH		WIW	WID 1 Entrance	WID 2 Entrances	HEA	PIT	COW	СОН	Door Type	Door Opening
13	1000	1600	1400	2300		2230	1775	1950	3650	1000	1100	2100	2 Panels	Left/Right
		1200	2300	2300		1990	2675	2850	3700	1050	1100	2100	2 Panels	Left/Right
16	1275	1600	1800	2300	F	2330	2175	2350	3700	1050	1100	2100	2 Panels	Left/Right
		2000	1400	2300	G	2730	1775	1950	3700	1050	1100	2100	2 Panels	Left/Right
		1400	2400	2300		2300	2775	2950	3700	1050	1300	2100	2 Panels	Left/Right
21	1600	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
	2000	1500	2700	2400	Test 1	2320	3075	3250	3750	1100	1300	2100	2 Panels	Left/Right
26	2000	2350	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
47	3500	2100	3000	2600		3230	3465	3730	3850	1200	1800	2400	3 Panels	Left/Right
47	3300	2400	2600	2600		3530	3155	3510	3850	1200	2200	2400	4 Panels	Left/Right







### **ARIES HLS - Hydrualic** "L FRAME" SYSTEMS

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 1m/s speed and 1000 kg capacity.

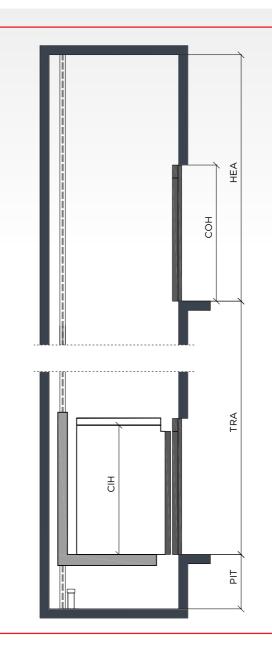
With modular structure, reduced measurements and using small drive equipments, it provides easy installation and energy efficiency. With respect to Ametal's special L frame design, engineering works and detailed solutions, it guarantees working seamlessly with comfortable travel.

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

To answer all of the different requirements, there are standard layouts provided, which are fully in line with the Aries Robust steel construction solutions and Ametal Car design series.

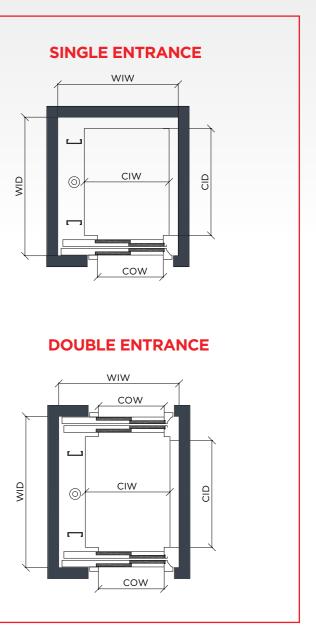
Rated Load	kg	320	450	630	800	1000				
Number of Persons		4	6	8	10	13				
Rated Speed	m/s			0,41						
Machine Room				Cabine	t					
Class 1 : Passenger Lift										
Class 2 : Office Lift										
Class 4 : Goods Lift										
Max. Car Area	m²	0,9	1,3	1,66	2	2,4				
Car Internal Height		2250								
Car Types		Swan, Lumina, Miel, Novo, Uno, Nature								
Door Type			Teles	copic Sin	gle Side					
Number of Car Entrances		1 Entranc	e / 2 Entra	inces at 180	0° / 2 Entr	ances at 90°				
Door Clear Opening			800	0 / 900 /	/ 1000					
Door Clear Height			200	0 / 2100	/ 2200					
Max. Number of Stops				6						
Max. Travel		16								
Max. Headroom				3200						
Min. Pit Depth				800						
Applicable Standards		ISO 4	190-1, EN EN	181-20, El 181-71, EN		N81-70,				





#### ARIES HLS<sup>®</sup> "L FRAME SYSTEMS General Dimensions

		CAR						WELL				[	DOOR	
Number of Persons	Rated Load	CIW	CID	CIH		WIW	WID 1 Entrance	WID 2 Entrances	HEA	PIT	COW	СОН	Door Type	Door Opening
4	320	900	1000	2250		1350	1350	1550	3200	800	800	2000	2 Panels	Left/Right
6	450	1000	1200	2250		1450	1550	1750	3200	800	800	2000	2 Panels	Left/Right
8	630	1100	1400	2250	F	1600	1750	1950	3200	800	900	2100	2 Panels	Left/Right
10	800	1350	1400	2250	0	1850	1750	1950	3200	800	900	2100	2 Panels	Left/Right
13	1000	1600	1400	2250	<b>D</b>	2150	1750	1950	3200	800	900	2100	2 Panels	Left/Right
15	1000	1100	2100	2250	南影	1650	2450	2650	3200	800	800	2100	2 Panels	Left/Right





### **ARIES HFS - Hydrualic** "FREIGHT" SYSTEMS

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 0,63m/s speed and 5000 kg capacity.

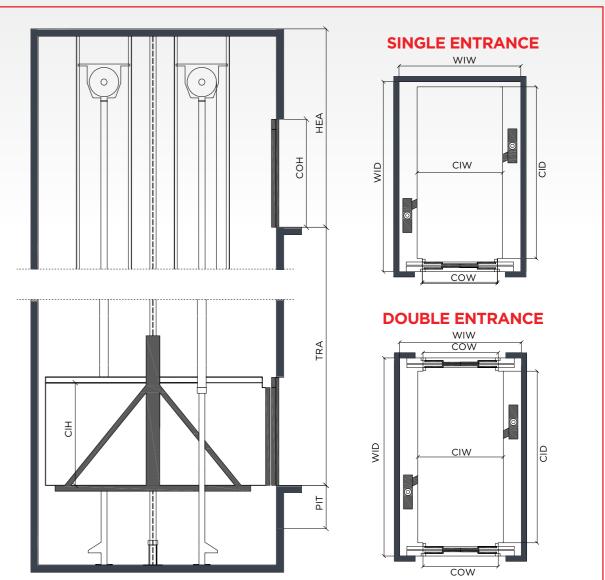
Designs suitable for freight lifts' special working conditions (car, door, frame, brackets, etc.), it guarantees to work in the hardest circumstances.

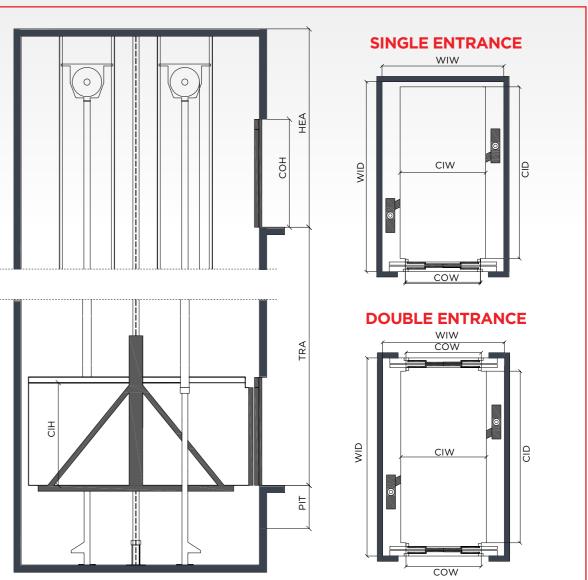
These solutions are suitable for mid and high range traffic requirements and heavy duty conditions, complies with ISO 4190-1 requirements. With high security, full compliance to standards, high quality in material and reduced installation hours, Aries HFS covers all of the necessary requirements a lift installer and user needs.

To answer all of the different requirements, there are standard layouts provided, which are fully in line with the Aries Robust steel construction solutions and Ametal Car design series.

Rated Load	kg	1000	1075	1600	2000	2500	7000	3500	5000		
	ĸġ	1000	1275	1600	2000	2500	3000	3500	5000		
Number of Persons		13	16	21	26						
Rated Speed	m/s	up to 1 m/s									
Class 3 : Hospital Lift											
Class 4 : Goods Lift											
Max. Car Area	m²	3,6	4,26	5,04	6,64	8,64	10,64	12,64	18,64		
Car Internal Height		2250, 2450, 2650									
Car Types		Grande, Carrier									
Door Type		Central Opening Doors									
Number of Car Entrances		1 Entrance or 2 Entrances at 180°									
Door Clear Opening		9003000									
Door Clear Height		2000 / 2200 / 2400 / 2600 / 2800									
Max. Number of Stops		6									
Max. Travel		16									
Min. Headroom		3000									
Min. Pit Depth		900									
Applicable Standards		EN81-20, EN81-58, EN81-70, EN81-71, EN81-72									







#### ARIES HFS<sup>®</sup> "FREIGT SYSTEMS General Dimensions

CAR						WELL						DOOR			
Number of Persons	Rated Load	CIW	CID	CIH		WIW	WID 1 Entrance	WID 2 Entrances	HEA	PIT	COW	СОН	Door Type	Door Opening	
13	1000	1600	1400	2300		2470	1710	1810	3650	1000	1100	2100	2 Panels	Center	
		1200	2300	2300		1970	2680	2860	3700	1050	1100	2100	4 Panels	Center	
16	1275	1600	1800	2300	Ŗ	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		2570	2490	2680	3700	1050	1300	2100	4 Panels	Center	
		2100	1600	2400		3070	1990	2190	3700	1050	1300	2100	4 Panels	Center	
	2000	1500	2700	2400	Test 1	2470	3100	3290	3750	1100	1300	2100	4 Panels	Center	
26	2000	2350	1700	2400		3320	2100	2300	3750	1100	1300	2100	4 Panels	Center	
33	2500	1800	2700	2400		2770	3100	3300	3750	1100	1300	2200	4 Panels	Center	
47	3500	2100	3000	2600		3270	3410	3610	3850	1200	1800	2400	4 Panels	Center	
4/	3500	2400	2600	2600		3570	3100	3400	3850	1200	2200	2400	6 Panels	Center	
21	5000	2500	3500	2600		3870	4000	4300	4000	1400	2300	2400	6 Panels	Center	



### **ARIES ROBUST** STEEL WELL CONSTRUCTION

Aries Robust Steel Shaft Construction Sytems, up to 1,6 m/s speed and 1000 kg capacity, is available for residential, office, historical and governmental buildings without currently having any shaft available to install a lift.

With modular structure, reduced measurements and using small drive equipments, it provides easy installation and energy efficiency. Preparations for brackets, doors and other equipment is finalized in our factory.

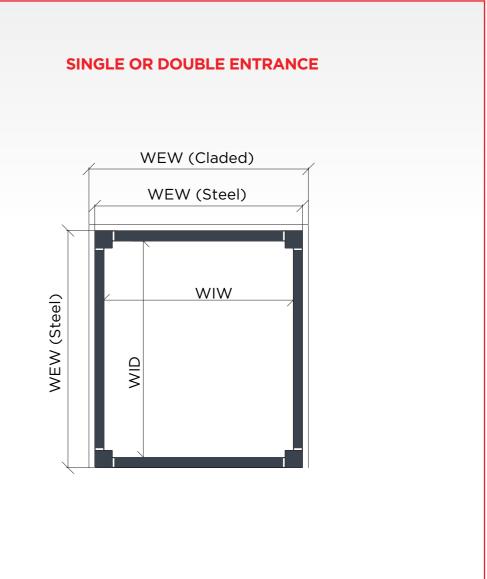
Solutions suitable for MRL applications, is given as standard under ISO 4190-5 measures.

With high security, full compliance to standards, high quality in material and reduced installation hours, Aries ROBUST covers all of the necessary requirementsa lift installer and user needs.

To answer all of the different requirements, there are standard layouts provided,which are fully in line with the Aries Robust steel construction solutions and Ametal Car design series.

Rated Load	kg	320	450	630	800	1000			
Number of Persons		4	6	8	10	13			
Rated Speed	m/s	up to 1,6 m/s							
Machine Room		Without							
Class 1 : Passenger Lift									
Class 2 : Office Lift									
Class 4 : Goods Lift									
Number of Car Entrances		1 Entrance, 2 entrances at 180° or 3 entrances							
Max. Number of Stops		4							
Max. Shaft Height		16,5							
Construction Type		The Profiles, Pre-welded							
Assembly Type		Bolts (Without Welding)							
Bracket Distance		1200							
Applicable Standards		ISO 4190-1, EN81-20, EN81-58, EN81-70, EN81-71, EN81-72							





### ARIES ROBUST General Dimensions

		CAR			WELL								
Number of Persons	Rated Load	CIW	CID	CIH	WIW	WID	WEW (Steel)	WEW (Claded)	WED (Steel)	WED (Claded)			
4	320	900	1000	2250	1400	1350	1640	1720	1590	1670			
6	450	1000	1200	2250	1500	1550	1740	1820	1790	1870			
8	630	1100	1400	2250	1600	1750	1840	1920	1990	2070			
10	800	1350	1400	2250	1850	1750	2090	2170	1990	2070			
13	1000	1600	1400	2250	2100	1750	2340	2420	1990	2070			
15	1000	1100	2100	2250	1650	2450	1890	1970	2690	2770			





We offer alternative solutions of perfectly designedhigh quality cabins with the awareness of the excitement and comfort it will bring to your journey.

#### **FAST DELIVERIES**

Quality and rapidity are the strongest aspects of Ametal. We achieve reducing delivery periods by using our advanced production technologies.

Our customers envoy the comfort of having their orders in very short terms in case necessity.



#### PROFESSIONAL PACKING

For us, all parts forming lifts are important and they deserve delicate packing. Carton boxes (for domestic shipments) and resistant Wooden Boxes with Euro pallets prepared according to international norms (for international shipments) are our standards.

### AFTER-SALES SERVICES

One of the most important reasons of our success in lift domain 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.





## CERTIFICATES







28