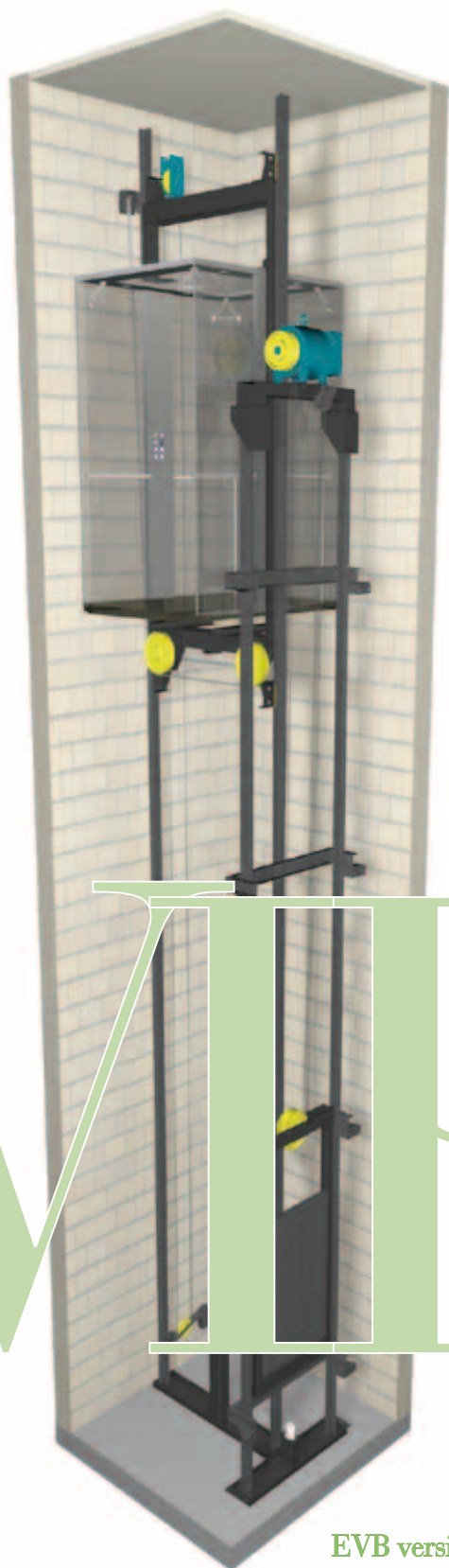
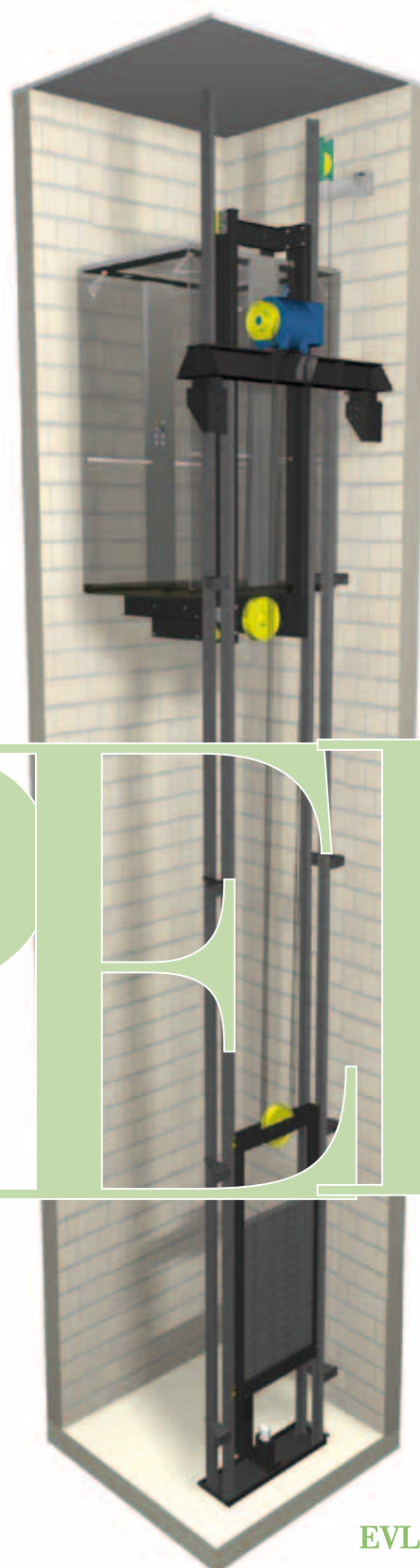


VIPER
MRL system



EVB version

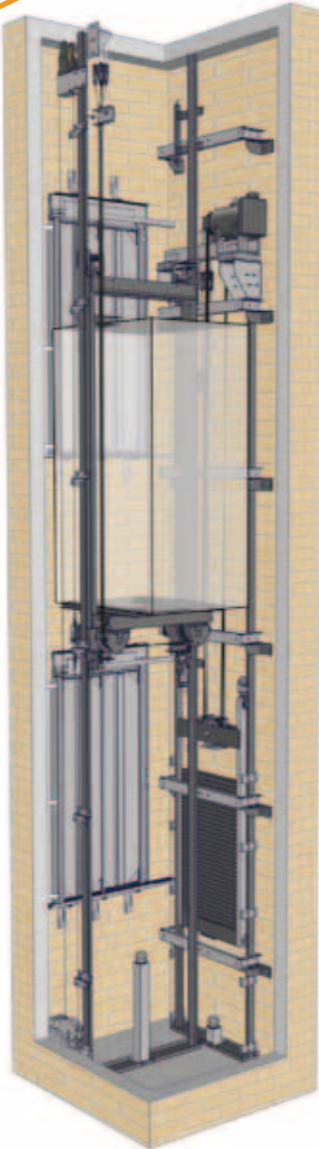


EVL version

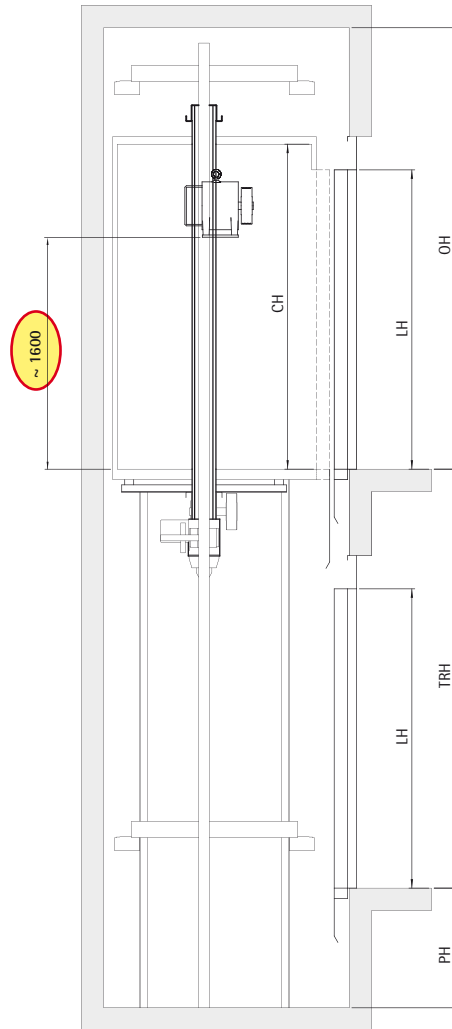
VIPER

VIPER - EVB version

STANDARD VERSION



Sezione verticale
Vertical section



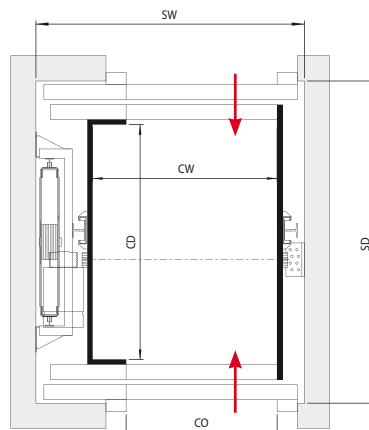
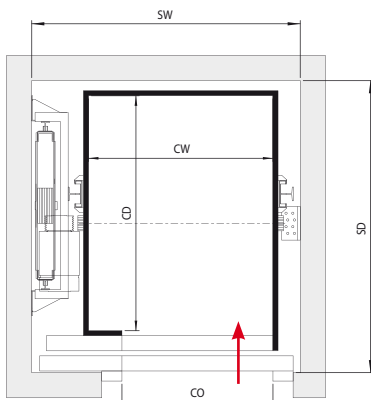
Schema ingressi / Lift shaft plan

Un singolo accesso
One single entrance

1

Due accessi opposti
Two opposite entrances

2



Descrizione Description		Unità Unit
Portata Capacity	Q	kg
Persone Persons		nr.
STD dimensioni cabina car dimensions	CW	mm
	CD	mm
	CH	mm
Ingressi / Entrances		-
Tipologia porte di piano Car and landing door type		-
Esecuzione porte di piano Landing door execution		-
Passaggio libero porte Door clear opening	CO	mm
Altezza porta Door entrance height	LH	mm
Dimensioni vano (min) Shaft dimensions (min) @ 1,0 m/s	SW x SD ①	mm
	SW x SD ②	mm
Velocità / Speed	max.	m/s
Fermate / Stops	max.	nr.
Corsa / Travel (max.)	TRH	m
Fossa (min) Pit depth (min) @ 1,0 m/s	PH	mm
Testata (min) Headroom (min) @ 1,0 m/s	OH	mm
Macchina / Machine		-
Potenza assorbita (*) Operating power (*) @ 1,0 m/s		kW
Arcata / Car frame		-
D.T.G. arcata D.B.G. of frame		mm
Puleggia di rinvio Diverter sheaves		Ømm
Funi di trazione (*) Traction ropes (*) R min		nr./Ømm
		N/Ømm ²

Con arcata a TELAIO - taglia 2:1 / With "BALANCED" frame - roping 2:1

Valori
Values

320	480		630	800	1000		1275		1600		2000		2500
4	6		8	11	13		16		20		26		32
800	950	1000	1100	1370	1100	1600	2000	1200	1400	2100	1500	2350	1800
1200	1300	1250	1400	1500	2100	1400	1400	2300	2400	1600	2700	1700	2700
2130	2130		2130	2130	2130		2130		2130		2130		2130
Standard: ① un ingresso singolo / <i>one single entrance</i> Option: ② due accessi opposti / <i>two opposite entrances</i>													
Standard: 2 ante ad apertura laterale <i>2 panels side opening</i>				Option: 2 ante ad apertura centrale, 3 ante ad apertura laterale, 4 ante ad apertura centrale <i>2 panels centre opening, 3 panels side opening, 4 panels centre opening</i>									
Standard: non resistente al fuoco <i>no fire proof</i>				Option: parafiamma / tagliafuoco <i>Fire-rated / Fire cutting</i>									
750	800		900	900	900	1300	1100		1300	1100	1300	1200	1400
Standard: 2000 Options: 2100													
1300 x 1540	1450 x 1640	1500 x 1590	1680 x 1740	2000 x 1870	1750 x 2470	2250 x 1770	2650 x 1770	1850 x 2670	2280 x 2800	2980 x 2000	2380 x 3100	3230 x 2100	2700 x 3100
1300 x 1680	1450 x 1780	150 x 1730	1680 x 1880	2000 x 2040	1750 x 2640	2250 x 1940	2650 x 1940	1850 x 2840	2280 x 2940	2980 x 2140	2380 x 3240	3230 x 2240	2700 x 3240
2,00			2,00						1,60				
14			25						15				
40,00			70,00						40,00				
1090 (870 ^{***})	1090 (870 ^{***})		1090 (1200 ^{**}) (870 ^{***})	1260 (1350 ^{**}) (1050 ^{***})	1260 (1350 ^{**}) (1050 ^{***})		1260 (1350 ^{**}) (1050 ^{***})		1330 (1450 ^{**}) (1150 ^{***})		1450 (1600 ^{**}) (1250 ^{***})		1450 (1600 ^{**}) (1250 ^{***})
CH + 1185 (CH + 600 [*])	CH + 1185 (CH + 600 [*])		CH + 1185 (CH + 1340 ^{***}) (CH + 600 ^{***})	CH + 1230 (CH + 1370 ^{***}) (CH + 650 ^{***})	CH + 1230 (CH + 1370 ^{***}) (CH + 650 ^{***})		CH + 1230 (CH + 1370 ^{***}) (CH + 650 ^{***})		CH + 1245 (CH + 1420 ^{***}) (CH + 800 ^{***})		CH + 1285 (CH + 1470 ^{***}) (CH + 800 ^{***})		CH + 1285 (CH + 1470 ^{***}) (CH + 800 ^{***})
Motore sincrono a magneti permanenti / <i>permanent magnet motor GEARLESS</i>													
1,3	2,0	2,0	2,9	3,7	4,8		6,2		7,8		9,9		12,5
AET 6 UP			AET 8 UP	AET 11 UP	AET 13 UP				BFT 160 US		BFT 250 US		
900	1050	1100	1200	1430	1215	1715	2115	1315	1550	2250	1650	2500	1950
240	240	240	240	240	240 - 320		320		360		400		450
4 / Ø6,5 31500	5 / Ø6,5 31500	5 / Ø6,5 31500	6 / Ø6,5 31500	7 / Ø6,5 31500	9 / Ø6,5 - 6 / Ø8 31500 / 30400		9 / Ø8 30400		8 / Ø9 38400		8 / Ø10 47400		8 / Ø11 57400

① un singolo accesso
one single entrance

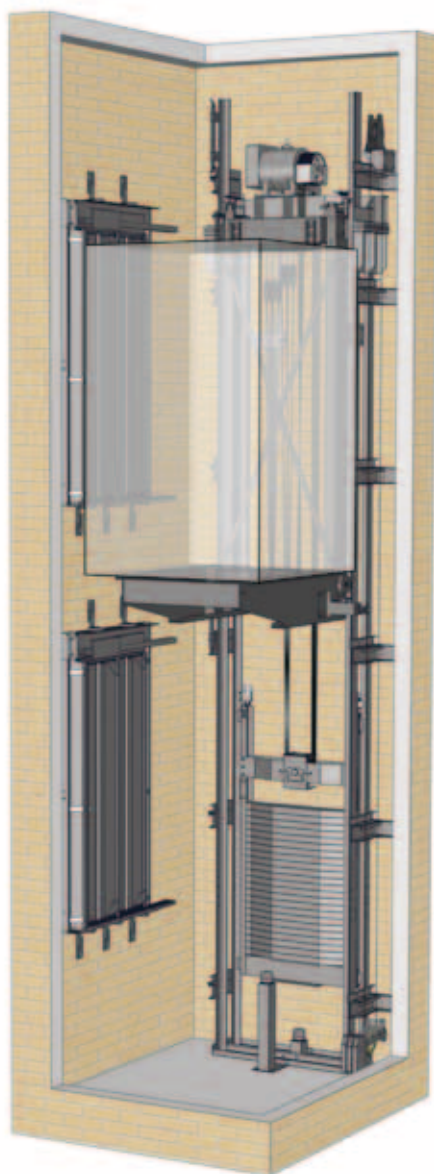
② due accessi opposti
two opposite entrances

(*) Riferito a - *referred to* P ≈ 110% Q

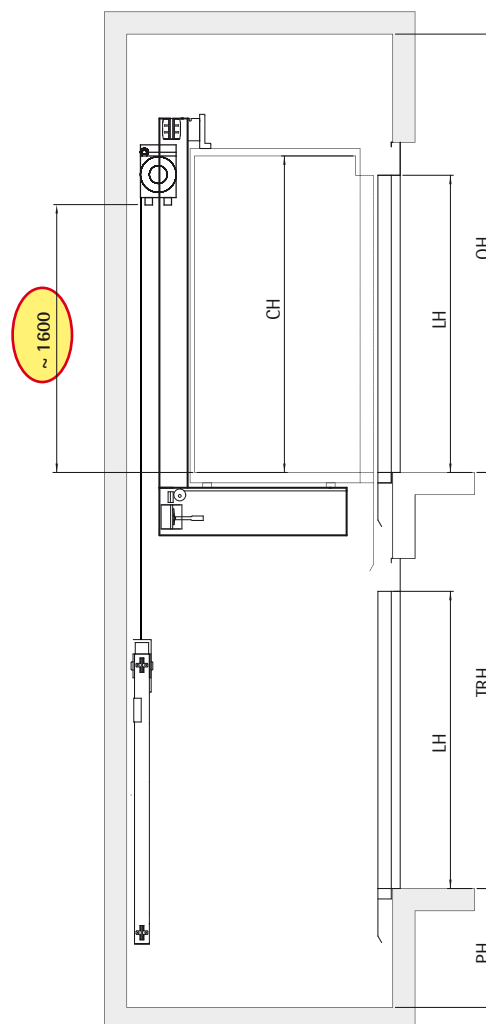
(**) Con velocità 1,6 m/s - *with speed 1,60 m/s*

(***) Queste dimensioni sono soggette a richiesta di approvazione a cura delle autorità nazionali competenti
These dimensions are subject to the valid requirements setup by the national notified bodies

VIPER - EVL version



Sezione verticale
Vertical section



Schema ingressi / Lift shaft plan

Un singolo accesso
One single entrance

1

Due accessi opposti
Two opposite entrances

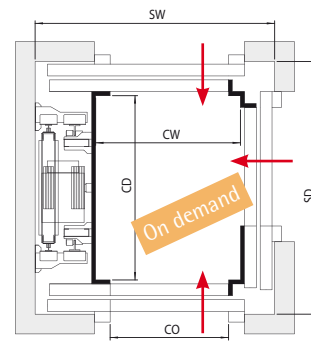
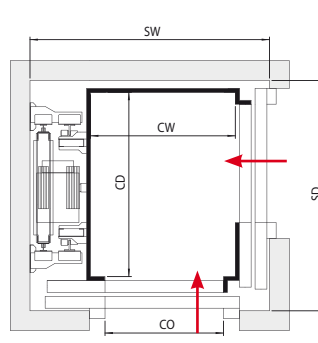
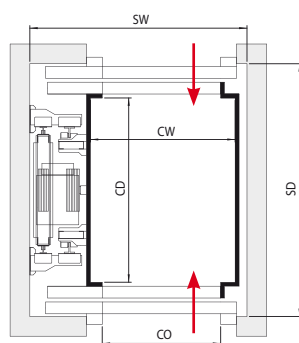
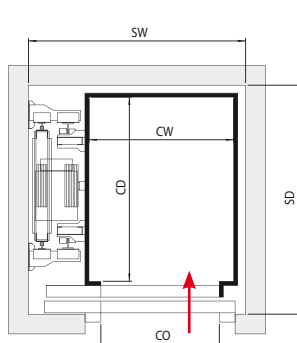
2

Due accessi adiacenti
Two adjacent entrances

3

Tre accessi
Three entrances

4



Con arcata a SEDIA - taglia 2:1 - *With "CANTILEVER" frame - roping 2:1*

Descrizione Description		Unità Unit	Valori Values								
Portata Capacity	Q	kg	320	480		630	800	1000	1275	1600	
Persone Persons		nr.	4	6		8	11	13	16	20	
STD dimensioni cabina car dimensions	CW	mm	800	1000	950	1100	1370	1100	1200	1400	
	CD	mm	1200	1250	1300	1400	1500	2100	2300	2400	
	CH	mm	2130	2130		2130	2130	2130	2130	2130	
Ingressi / Entrances		Standard: ① un singolo accesso one single entrance ② due accessi opposti / two opposite entrances Option: ③ due accessi adiacenti / two adjacent entrances ④ tre accessi / three entrances									
Tipologia porte di piano Car and landing door type		Standard: 2 ante ad apertura laterale 2 panels side opening				Option: 2 ante ad apertura centrale 2 panels centre opening					
Esecuzione porte di piano Landing door execution		Standard: non resistente al fuoco no fire proof				Option: parafiamma / tagliafuoco Fire-rated / Fire cutting					
Passaggio libero porte Door clear opening	CO	mm	750	800		900	900	900	1100	1300	
Altezza porta Door entrance height	LH	mm	Standard: 2000 Options: 2100								
Dimensioni vano (min) Shaft dimen- sions (min) @ 1,0 m/s	SW x SD ①	mm	1350 x 1540 / 1640	1550 x 1590	1500 x 1640	1650 x 1740	2000 x 1870	1730 x 2470	1860 x 2670	2050 x 2770	
	SW x SD ②	mm	1350 x 1680	1550 x 1730	1500 x 1780	1650 x 1880	2000 x 2040	1730 x 2640	1860 x 2840	2050 x 2940	
	SW x SD ③	mm	1490 x 1540 / 1640	1690 x 1590	1640 x 1640	1790 x 1740	2170 x 1870	1900 x 2470	2030 x 2670	2220 x 2770	
On demand	SW x SD ④	mm	1490 x 1680	1690 x 1730	1640 x 1780	1790 x 1880	2170 x 2040	1900 x 2640	2030 x 2840	2220 x 2940	
Velocità / Speed		m/s	1,00								
Fermate / Stops		nr.	10								
Corsa / Travel (max.)		TRH	30,00								
Fossa / Pit depth (min)		PH	mm	1090 (770**)	1090 (770**)		1090 (770**)	1260 (870**)	1260 (870**)	1280 (870**)	1400 (1070**)
Testata (min) Headroom (min)		OH	mm	CH + 1185 (CH + 600**)	CH + 1185 (CH + 600**)		CH + 1185 (CH + 600**)	CH + 1230 (CH + 650**)	CH + 1230 (CH + 650**)	CH + 1230 (CH + 650**)	CH + 1245 (CH + 800**)
Macchina / Machine		-	Motore sincrono a magneti permanenti / permanent magnet motor GEARLESS								
Potenza assorbita(*) Operating power (*)		kW	1,5	2,2		3,1	3,9	5,0	6,5	8,1	
Arcata / Car frame		-	AETL 6 UP			AETL 8 UP	AETL 11 UP	AETL 13 UP		LTL 180 UP	
D.T.G. arcata D.B.G. of frame		mm	800 / 900	800		900	1050	1300	1700	1800	
Puleggia di rinvio Diverter sheaves		Ømm	240	240		240	240	240 - 320	320	360	
Funi di trazione (*) Traction ropes (*) R min		nr./Ømm N/mm²	4 / Ø6,5 31500	5 / Ø6,5 31500		6 / Ø6,5 31500	7 / Ø6,5 31500	9 / Ø6,5 6 / Ø8 31500 / 30400	9 / Ø8 30400	8 / Ø9 38400	

① un singolo accesso / one single entrance

② due accessi opposti / two opposite entrances

③ due accessi adiacenti / two adjacent entrances

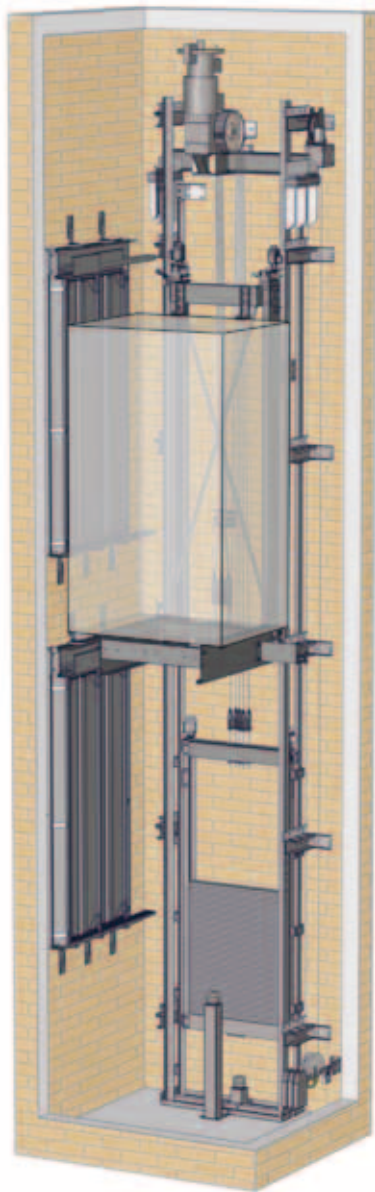
④ tre accessi / three entrances

(*) Riferito a - referred to P ≈ 110% Q

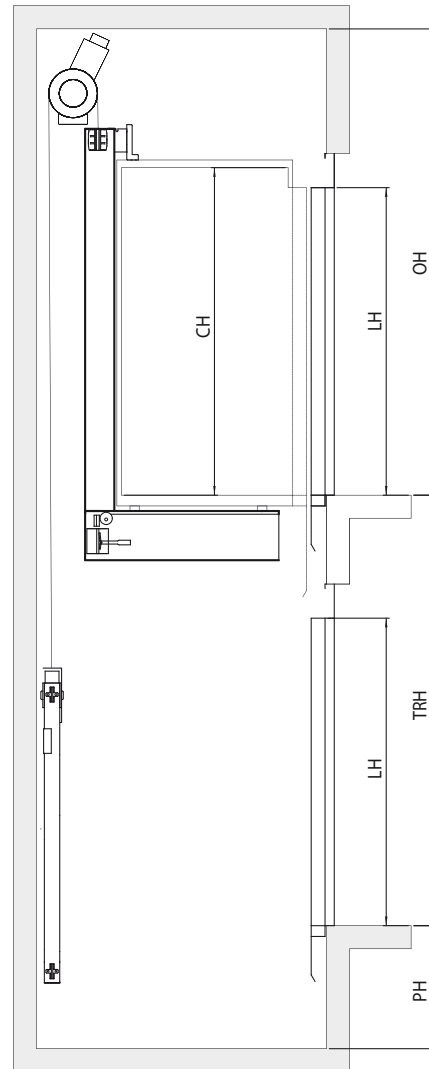
(**) Queste dimensioni sono soggette a richiesta di approvazione a cura delle autorità nazionali competenti
These dimensions are subject to the valid requirements setup by the national notified bodies

NOTE: The pictures, drawings and reported data are purely indicative and may be subject to modification without notice

VIPER - EVL11 version



Sezione verticale
Vertical section



Schema ingressi / Lift shaft plan

Un singolo accesso
One single entrance

1

Due accessi opposti
Two opposite entrances

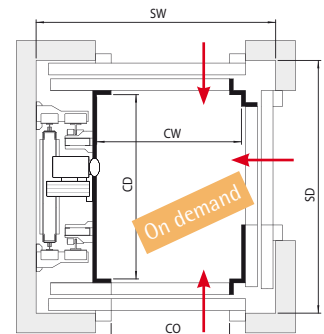
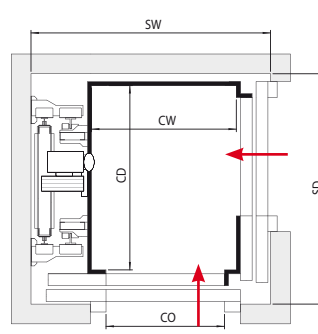
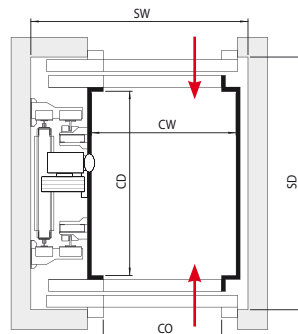
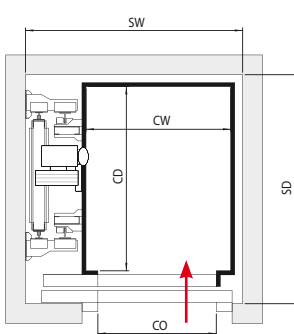
2

Due accessi adiacenti
Two adjacent entrances

3

Tre accessi
Three entrances

4



Con arcata a SEDIA - taglia 1:1 - *With "CANTILEVER" frame - roping 1:1*

Descrizione Description		Unità Unit	Valori Values					
			GL - Gearless			GD - Geared		
Portata Capacity	Q	kg	480		630	480		630
Persone Persons		nr.	6		8	6		8
STD dimensioni cabina car dimensions	CW	mm	1000	950	1100	950	1000	1100
	CD	mm	1250	1300	1400	1300	1250	1400
	CH	mm	Standard: 2000			Options: 2100		
Ingressi / Entrances		-	Standard: ① un singolo accesso one single entrance			Option: ② due accessi opposti / two opposite entrances ③ due accessi adiacenti / two adjacent entrances ④ tre accessi / three entrances		
Tipologia porte di piano Car and landing door type		-	Standard: 2 ante ad apertura laterale 2 panels side opening			Option: 2 ante ad apertura centrale 2 panels centre opening		
Esecuzione porte di piano Landing door execution		-	Standard: non resistente al fuoco no fire proof			Option: parafiamma / tagliafuoco Fire-rated / Fire cutting		
Passaggio libero porte Door clear opening CO		mm	800		900	800		900
Altezza porta Door entrance height LH		mm	Standard: 2000			Options: 2100		
Dimensioni vano (min) Shaft dimen- sions (min) @ 1,0 m/s	SW x SD ①	mm	1510 x 1640	1460 x 1690	1660 x 1740	1460 x 1690 (*)	1510 x 1640 (*)	1660 x 1740 (***)
	SW x SD ②	mm	1510 x 1780	1460 x 1860	1660 x 1880	1460 x 1830 (*)	1510 x 1780 (*)	1660 x 1880 (***)
	SW x SD ③	mm	1650 x 1640	1600 x 1690	1800 x 1740	1600 x 1690 (*)	1650 x 1640 (*)	1800 x 1740 (***)
	SW x SD ④	mm	1650 x 1780	1600 x 1830	1800 x 1880	1600 x 1830 (*)	1650 x 1780 (*)	1800 x 1880 (***)
On demand								
Velocità / Speed	max.	m/s	1,00					
Fermate / Stops	max.	nr.	8					
Corsa / Travel (max.)	TRH	m	24,00					
Fossa / Pit depth (min)	PH	mm	1030					
Testata (min) Headroom (min)	OH	mm	CH + 1185		CH + 1185	CH + 1450		CH + 1500
Macchina / Machine		-	Motore sincrono a magneti permanenti Permanent magnet motor GEARLESS			Argano verticale Vertical GEARED		
Potenza assorbita (*) Operating power (*) @ 0,63 m/s		kW	1,4		2,0	4,0		5,1
Arcata / Car frame		-	AEDL 6 U		AEDL 8 U	AEDL 6 U		AEDL 8 U
D.T.G. arcata D.B.G. of frame		mm	900		900	900		900
Puleggia di trazione Traction sheave		Ømm	320		320	320		360
Funi di trazione (*) Traction ropes (*) R min		nr./Ømm N/mm²	5 / Ø8,0 30400		6 / Ø8,0 30400	5 / Ø8,0 30400		6 / Ø8,0 30400

① un singolo accesso / one single entrance

② due accessi opposti / two opposite entrances

③ due accessi adiacenti / two adjacent entrances

④ tre accessi / three entrances

(*) Riferito a - referred to P ≈ 110% Q

(**) con testata T ≥ 3620 mm; per 3150 ≤ T < 3620 SW aumenta di 50 mm
with headroom T ≥ 3620 mm; for 3150 ≤ T < 3620 SW increases of 50 mm

(***) con testata T ≥ 3600 mm; per 3200 ≤ T < 3600 SW aumenta di 70 mm
with headroom T ≥ 3600 mm; for 3200 ≤ T < 3600 SW increases of 70 mm

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