

①

Dimensioni interne cesta

**1,35 m x 1,00 m**

4,42 x 3,28 ft

Capacità **1.000 Kg**

2205 lb



②

Dimensioni interne cesta

**1,50 m x 1,20 m**

4,92 x 3,93 ft

Capacità **1.000 Kg**

2205 lb



③

Dimensioni interne cesta

**2,00 m x 1,40 m**

6,56 x 4,59 ft

Capacità **1000 o 800 Kg**

2205 lb or 1763 lb



④

Dimensioni interne cesta

**3,16 m x 1,00 m**

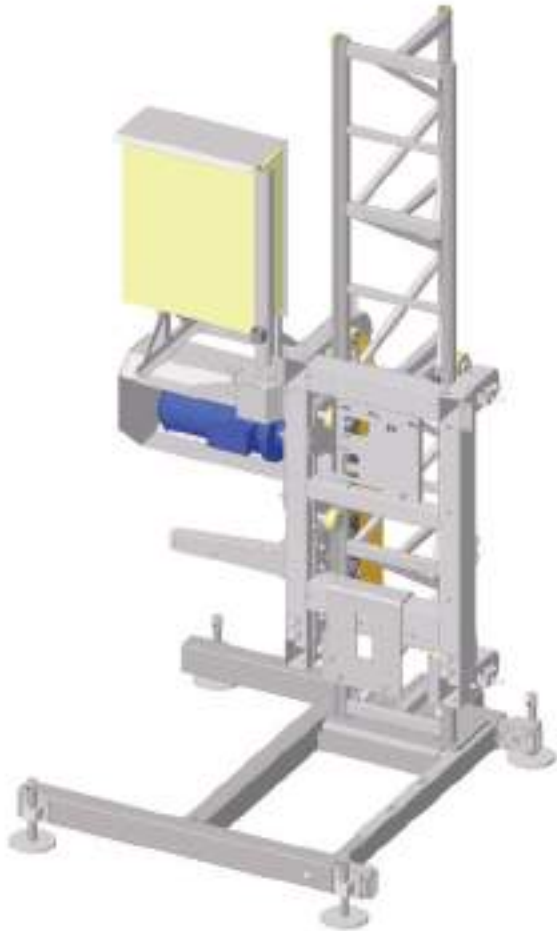
10,36 x 3,28 ft

Capacità **1000 o 800 Kg**

2205 lb or 1763 lb

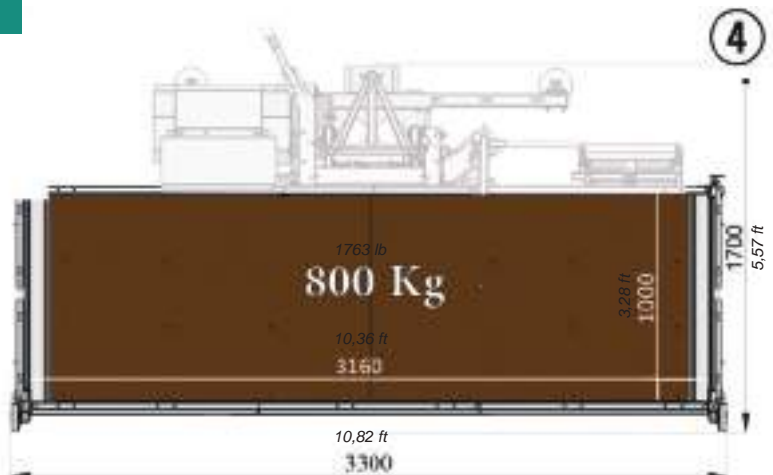
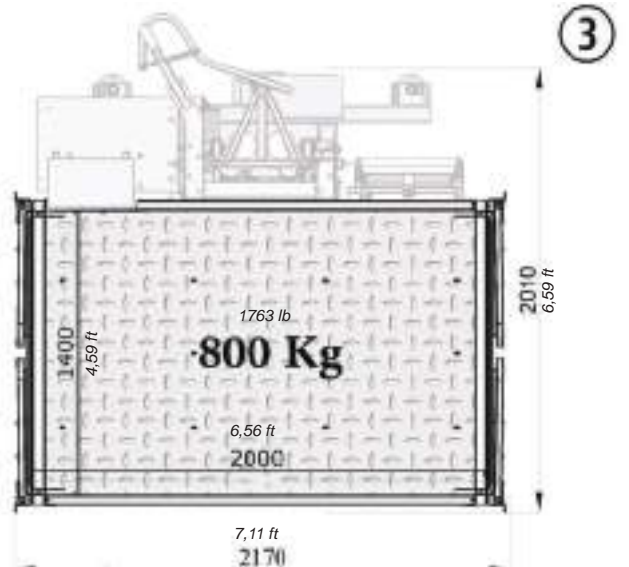
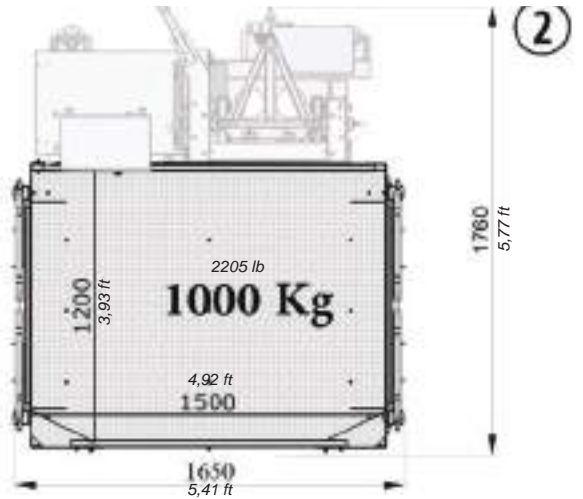
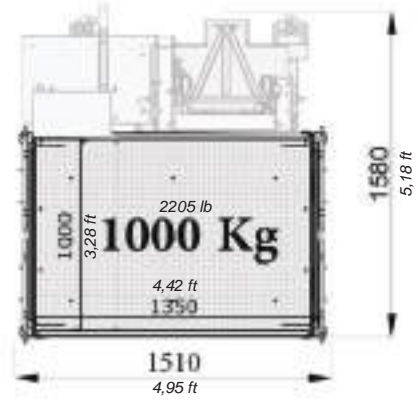


## POSSIBILI CONFIGURAZIONI DELLA MACCHINA AVAILABLE MACHINE CONFIGURATIONS



UN UNICO GRUPPO DI SOLLEVAMENTO  
PER 4 CESTE INTERCAMBIABILI

A SINGLE LIFTING UNIT FOR  
4 INTERCHANGEABLE CAGES





Capacità di carico	Capacity	Charge Nominale	Max Capacidad de carga	800 - 1000 kg ③,④- ①,②	1000 kg ③,④ -①,②
Velocità di sollevamento	Lifting speed	Vitesse de lévage	Velocidad de elevación	10,6 m/min	
Massima altezza ancorata	Max anchored height	Hauter max avec ancrages	Altura max con anclajes	160 m	
Dimensioni interne cesta	Platform dimensions	Dimensions du plancher	Dimensiones de cabina	① 1,35 x 1,00 m ② 1,50 x 1,20 m ③ 2,00 x 1,40 m ④ 3,16 x 1,00 m	
Tensione alimentazione	Input power range	Tension d'alimentation	Tensión de red	220/230 V 50/60 Hz	
Interruttore protezione linea	Protection switch	Interrupteur de protection	Interruptor de protección	16 A	
Potenza servizio continuo	Power of the motors	Puissance des moteurs	Potencia de motorreductores	1 x 2,2 kW	
Minima potenza di linea consigliata	Minimum line power suggested	Min. puissance de ligne conseillée	Min. potencia de linea	3 kW	
Peso unità base	Base unit weight	Poids unité de base	Peso unidad de base	① ,② 550 Kg ③, ④ 740 Kg	
Griglia antischacciamento	Anti-crushing grille	Grille anti-écrasement	Parilla anti-apastamiento	✓	
Ingrassatore automatico cremagliera	Rack automatic greasing pump	Graisser automatique de cremallere	Engrassador automatico de cremallera	✓	



Capacità di carico	Capacity	Charge Nominale	Max Capacidad de carga	1000 kg (③,④- ①,②)	
Velocità di sollevamento	Lifting speed	Vitesse de lévage	Velocidad de elevación	12 m/min	20 m/min
Massima altezza	Max anchored height	Hauter max avec ancrages	Altura max con anclajes	160 m	
Dimensioni interne cesta	Platform dimensions	Dimensions du plancher	Dimensiones de cabina	① 1,35 x 1,00 m ② 1,50 x 1,20 m ③ 2,00 x 1,40 m ④ 3,16 x 1,00 m	
Tensione alimentazione	Input power range	Tension d'alimentation	Tensión de red	230/400 V-50 Hz 275/480 V - 60 Hz	
Interruttore protezione linea	Protection switch	Interrupteur de protection	Interruptor de protección	16 A	
Potenza servizio	Power of the motors	Puissance des moteurs	Potencia de motorreductores	1 x 4 kW	1 x 5,5 kW
Minima potenza di linea	Minimum line power suggested	Min. puissance de ligne conseillée	Min. potencia de linea	6 kW	8 kW
Peso unità base	Base unit weight	Poids unité de base	Peso unidad de base	① ,② 550 Kg ③, ④ 740 Kg	
Griglia antischacciamento	Anti-crushing grille	Grille anti-écrasement	LimitadoParilla anti-apastamiento	✓	
Ingrassatore automatico cremagliera	Rack automatic greasing pump	Graisser automatique de cremallere	Engrassador automatico de cremallera	✓	

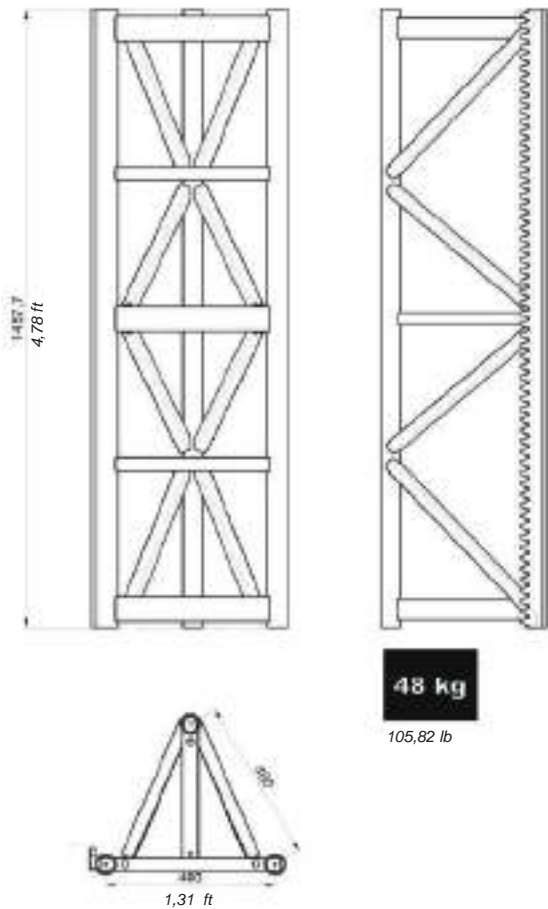


Capacità di carico	Capacity	Charge Nominale	Max Capacidad de carga	1763 - 2205 Lb ③,④- ①,②	2205 Lb ③,④-①,②
Velocità di sollevamento	Lifting speed	Vitesse de lévage	Velocidad de elevación	35 ft/min	
Massima altezza ancorata	Max anchored height	Hauter max avec ancrages	Altura max con anclajes	525 ft	
Dimensioni interne cesta	Platform dimensions	Dimensions du plancher	Dimensiones de cabina	① 4,10 x 3,28 ft ② 4,92 x 3,93 ft ③ 6,56 x 4,59 ft ④ 10,36 x 3,28 ft	
Tensione alimentazione	Input power range	Tension d'alimentation	Tensión de red	220/230 V 50/60 Hz	
Interruttore protezione linea	Protection switch	Interrupteur de protection	Interruptor de protección	16 A	
Potenza servizio continuo	Power of the motors	Puissance des moteurs	Potencia de motorreductores	1 x 2,2 kW	
Minima potenza di linea consigliata	Minimum line power suggested	Min. puissance de ligne conseillée	Min. potencia de linea	3 kW	
Peso unità base	Base unit weight	Poids unité de base	Peso unidad de base	① ,② 1212 Lb ③, ④ 1631 Lb	
Griglia antischacciamento	Anti-crushing grille	Grille anti-écrasement	Parilla anti-apastamiento	✓	
Ingrassatore automatico cremagliera	Rack automatic greasing pump	Graisseur automatique de cremallere	Engrasador automatico de cremallera	✓	

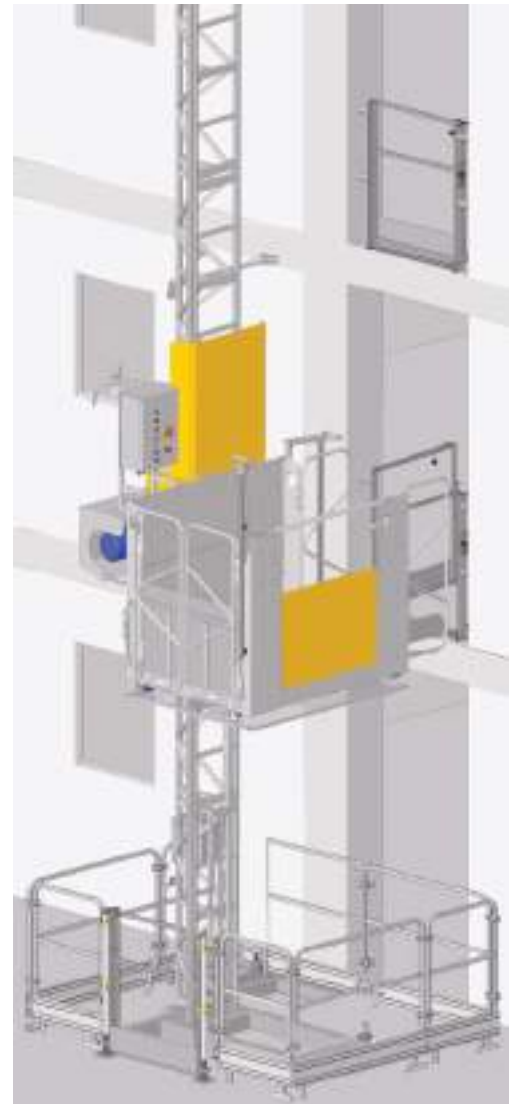


Capacità di carico	Capacity	Charge Nominale	Max Capacidad de carga	2205 Lb ③,④- ①,②	
Velocità di sollevamento	Lifting speed	Vitesse de lévage	Velocidad de elevación	39 ft/min	65,60 ft/min
Massima altezza	Max anchored height	Hauter max avec ancrages	Altura max con anclajes	525 ft	
Dimensioni interne cesta	Platform dimensions	Dimensions du plancher	Dimensiones de cabina	① 4,10 x 3,28 ft ② 4,92 x 3,93 ft ③ 6,56 x 4,59 ft ④ 10,36 x 3,28 ft	
Tensione alimentazione	Input power range	Tension d'alimentation	Tensión de red	230/400 V-50 Hz 275/480 V - 60 Hz	
Interruttore protezione linea	Protection switch	Interrupteur de protection	Interruptor de protección	16 A	
Potenza servizio	Power of the motors	Puissance des moteurs	Potencia de motorreductores	1 x 4 kW	1 x 5,5 kW
Minima potenza di linea	Minimum line power suggested	Min. puissance de ligne conseillée	Min. potencia de linea	6 kW	8 kW
Peso unità base	Base unit weight	Poids unité de base	Peso unidad de base	① ,② 1212 Lb ③. ④ 1631 Lb	
Griglia antischacciamento	Anti-crushing grille	Grille anti-écrasement	LimitadoParilla anti-apastamiento	✓	
Ingrassatore automatico cremagliera	Rack automatic greasing pump	Graisseur automatique de cremallere	Engrasador automatico de cremallera	✓	

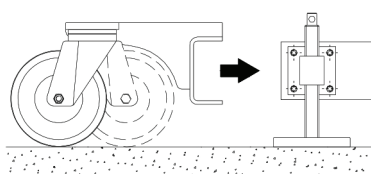
## COLONNA - MAST



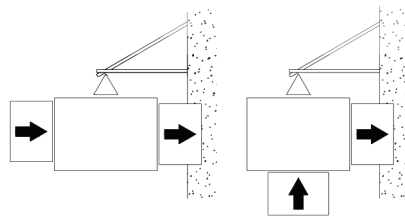
APPLICAZIONE TIPO - APPLICATION EXAMPLE



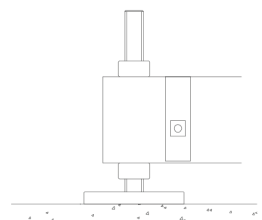
## CARATTERISTICHE - FEATURES



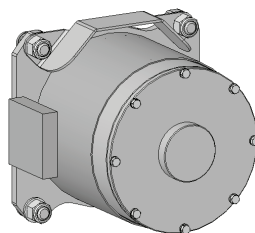
Kit ruote pivotanti  
per movimentazione a terra  
*Rotating wheel kit  
for quick positioning*



Configurazioni d'accesso possibili  
*Possible access configurations*



Quattro vitoni di livellamento  
*Four levelling screw-jacks*

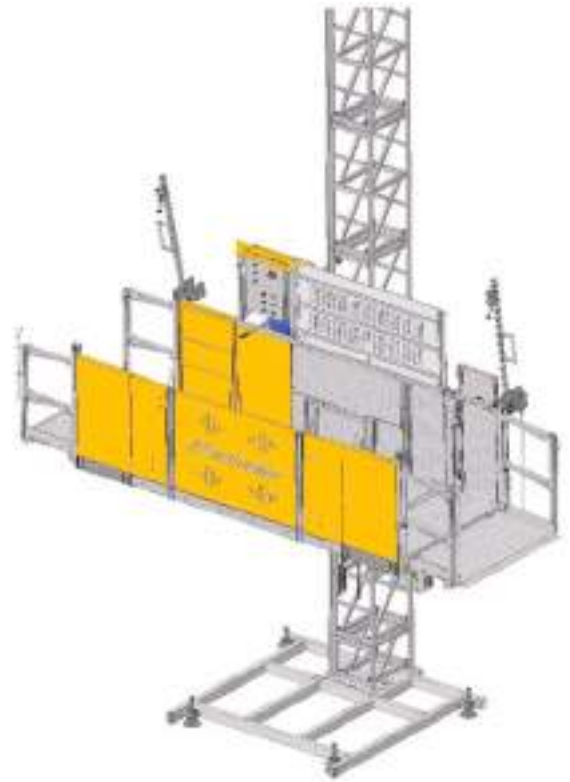


Dispositivo Paracadute  
*Safety Brake System*

MASSIME SOLLECITAZIONI GRAVANTI SUL BASAMENTO A PIENO CARICO MAXIMUM LOAD WEIGHING ON THE BASE AREA BY FULL MOVING LOADED UNIT			
HEIGHT (m)	n° mast sections	F (daN)	P (daN/m²)
10	7	951,4	
20	14	929+G7	
30	21	1035,5	
40	28	1214	
50	35	1392,5	
60 **	42		3780
70	49		4060
80	55		4300
90	62		4580
100	69		4860
150	103		6220
200	138		7620

\*\* For machines with installations for heights greater than 50 m the base must always be placed on the ground.

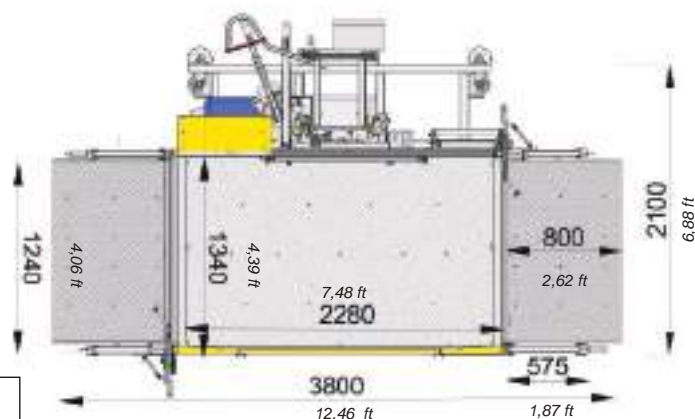
\*\* PER MACCHINE CON INSTALLAZIONE SUPERIORE  
AI 50 METRI IL BASAMENTO DEVE APPOGGIARE SUL SUOLO DIRETTAMENTE



	① Dimensioni Dimensions 2,28 x 1,34	② Dimensioni Dimensions 3,40 x 1,34	③ Dimensioni Dimensions 4,00 x 1,34	④ Dimensioni Dimensions 3,08 x 1,64	⑤ Dimensioni Dimensions 3,43 x 1,64	
	2300 kg	2000 kg	1500 kg	2000 kg	1800 kg	<b>EHM</b>
↑	+2200 kg	+1900 kg	+1400 kg	+1900 kg	+1700 kg	<b>EHPM</b>
↑↑	+2100 kg	+1800 kg	+1300 kg	+1800 kg	+1600 kg	
↑↑↑	+2000 kg	+1700 kg	+1200 kg	+1700 kg	+1500 kg	
↑↑↑↑	+1900 kg	+1600 kg	+1100 kg	+1600 kg	+1400 kg	
↑↑↑↑↑	+1800 kg	+1500 kg	+1000 kg	+1500 kg	+1300 kg	
↑↑↑↑↑↑	+1700 kg	+1400 kg	+900 kg	+1400 kg	+1200 kg	
↑↑↑↑↑↑↑	+1600 kg	+1300 kg	+800 kg	+1300 kg	+1100 kg	



Capacità di carico	Load capacity	Capacité de charge	Capacidad de carga	① 2300 kg ② 2000 kg ③ 1500 kg ④ 2000 kg ⑤ 1800 kg	① 2300 kg ② 2000 kg ③ 1500 kg ④ 2000 kg ⑤ 1800 kg
Velocità di sollevamento	Lifting speed	Vitesse de lévage	Velocidad de elevación	12 m/min	20 m/min
Massima altezza ancorata	Max anchored height	Hauter max avec ancrages	Altura max con anclajes	220 m	220 m
Dimensioni interne cesta	Platform dimensions	Dimensions du plancher	Dimensiones de cabina	① 2,28 x 1,34 m ② 3,40 x 1,34 m ③ 4,00 x 1,34 m ④ 3,08 x 1,64 m ⑤ 3,43 x 1,64 m	① 2,28 x 1,34 m ② 3,40 x 1,34 m ③ 4,00 x 1,34 m ④ 3,08 x 1,64 m ⑤ 3,43 x 1,64 m
Tensione alimentazione	Input power range	Tension d'alimentation	Tensión de red	230/400 V-50 Hz 275/480 V – 60 Hz	230/400 V-50 Hz 275/480 V-60Hz
Interruttore protezione linea	Protection switch	Interrupteur de protection	Interruptor de protección	25 A	32 A
Potenza servizio continuo	Power of the motors	Puissance des moteurs	Potencia de motorreductores	2 x 4 kW	2 x 5,5 kW
Minima potenza di linea consigliata	Minimum line power suggested	Min. puissance de ligne conseillée	Min. Potencia de linea	12 kW	15 kW
Peso unità base	Base unit weight	Poids unité de base	Peso unidad de base	① 1.550 Kg ② 1.790 Kg ③ 1.830 Kg ④ 1.790 Kg ⑤ 1.900 Kg	① 1.550 Kg ② 1.790 Kg ③ 1.830 Kg ④ 1.790 Kg ⑤ 1.900 Kg
Ingrassatore automatico cremagliera	Rack automatic greasing pump	Graisser automatique de cremalliere	Engrasador automatico de cremallera	✓	✓
Sistema di sovraccarico	Overload system	Limiteur de charge	Limitador de carga	✓	✓

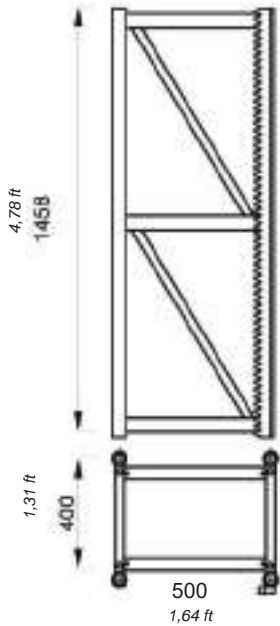


	① Dimensioni Dimensions 7,48 x 4,39 ft	② Dimensioni Dimensions 11,15 x 4,39 ft	③ Dimensioni Dimensions 13,12 x 4,39 ft	④ Dimensioni Dimensions 10,10 x 5,38 ft	⑤ Dimensioni Dimensions 11,25 x 5,38 ft	
	5070 lb	4409 lb	3306 lb	4409 lb	3968 lb	<b>EHM</b>
↑	+4850 lb	+4188 lb	+3086 lb	+4188 lb	+3747 lb	<b>EHPM</b>
↑↑	+4629 lb	+3968 lb	+2866 lb	+3968 lb	+3527 lb	
↑↑↑	+4409 lb	+3747 lb	+2645 lb	+3747 lb	+3306 lb	
↑↑↑↑	+4188 lb	+3527 lb	+2425 lb	+3527 lb	+3086 lb	
↑↑↑↑↑	+3968 lb	+3306 lb	+2204 lb	+3306 lb	+2866 lb	
↑↑↑↑↑↑	+3747 lb	+3086 lb	+1984 lb	+3086 lb	+2645 lb	
↑↑↑↑↑↑↑	+3527 lb	+2866 lb	+1763 lb	+2866 lb	+2425 lb	



Capacità di carico	Load capacity	Capacité de charge	Capacidad de carga	① 5070 lb ② 4188 lb ③ 3306 lb ④ 4409 lb ⑤ 3968 lb	① 2300 kg ② 2000 kg ③ 1500 kg ④ 2000 kg ⑤ 1800 kg
Velocità di sollevamento	Lifting speed	Vitesse de lévage	Velocidad de elevación	39 ft/min	65 ft/min
Massima altezza ancorata	Max anchored height	Hauter max avec ancrages	Altura max con anclajes	722 ft	722 ft
Dimensioni interne cesta	Platform dimensions	Dimensions du plancher	Dimensiones de cabina	① 7,48 x 4,39 ft ② 11,15 x 4,39 ft ③ 13,12 x 4,39 ft ④ 10,10 x 5,38 ft ⑤ 11,25 x 5,38 ft	① 7,48 x 4,39 ft ② 11,15 x 4,39 ft ③ 13,12 x 4,39 ft ④ 10,10 x 5,38 ft ⑤ 11,25 x 5,38 ft
Tensione alimentazione	Input power range	Tension d'alimentation	Tensión de red	230/400 V-50 Hz 275/480 V – 60 Hz	230/400 V-50 Hz 275/480 V-60Hz
Interruttore protezione linea	Protection switch	Interrupteur de protection	Interruptor de protección	25 A	32 A
Potenza servizio continuo	Power of the motors	Puissance des moteurs	Potencia de motorreductores	2 x 4 kW	2 x 5,5 kW
Minima potenza di linea consigliata	Minimum line power suggested	Min. puissance de ligne conseillée	Min. Potencia de linea	12 kW	15 kW
Peso unità base	Base unit weight	Poids unité de base	Peso unidad de base	① 3.417 lb ② 3,946 lb ③ 4,034 lb ④ 3,946 lb ⑤ 4,188 lb	① 3.417 lb ② 3,946 lb ③ 4,034 lb ④ 3,946 lb ⑤ 4,188 lb
Ingrassatore automatico cremagliera	Rack automatic greasing pump	Graisseur automatique de cremallere	Engrasador automatico de cremallera	✓	✓
Sistema di sovraccarico	Overload system	Limiteur de charge	Limitador de carga	✓	✓

## COLONNA - MAST



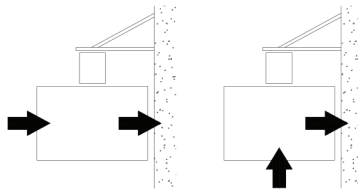
Compatibile con:  
*Interchangeability:*

ELSA PM-M 50  
ELSA H20  
ELSA P40



72 kg  
158,73 lb

Freno d'emergenza ad arresto  
progressivo  
Overspeed safety device with  
progressive stop

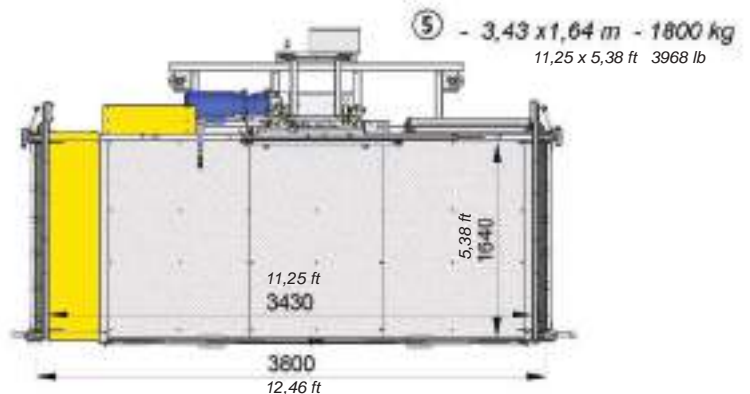
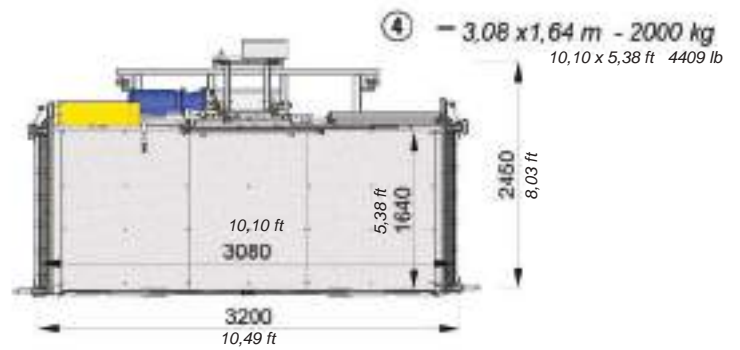
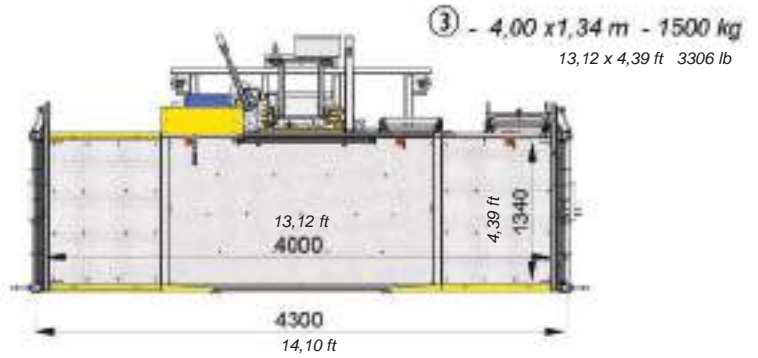
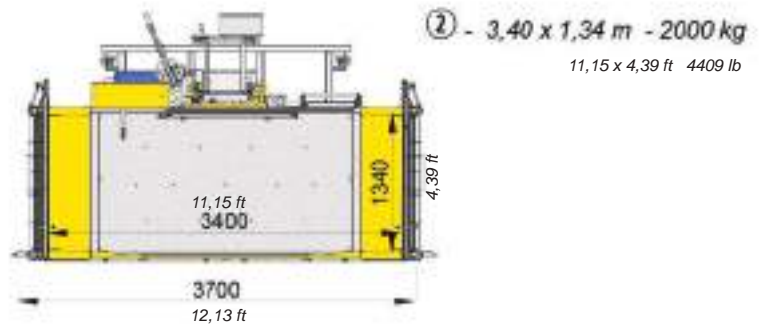
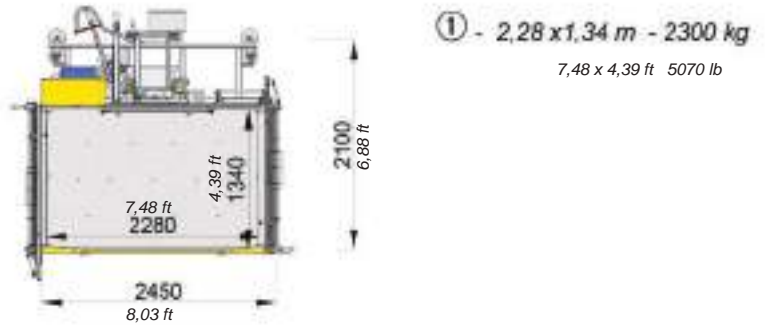


Configurazioni d'accesso possibili  
*Possible access configurations*

MAXIMUM WIND WEIGHING ON THE BASE SHALL BE FULL SERVICE LIFTED UNIT			
TIRANDO SULL'ELETTORILE UNITARIAMENTE, OGNI PARTE A PIENO CARICO			
HEIGHT (m)	m <sup>2</sup> wind surface	P (kg/m <sup>2</sup> )	F (kg/m <sup>2</sup> )
10	7	327,9	
20	31	327,9	
30	21	347,2	
40	21	347,2	
50	31	308,5	
60 **	41		303,2
70	49		409
80	51		415
90	51		415
130	89		512,8
140	103		611,9
190	206		769,8

\*\* For machines with installations for heights greater than 50 m the base must always be placed on the ground.

\*\* Per macchine con installazioni superiori a 50 m, il basamento deve essere posto sul suolo direttamente senza altri.



## ELEVATORE A CREMAGLIERA

## RACK AND PINION ELEVATOR

## ELEVATEUR A CREMAILLÈRE

ГРУЗОВОЙ ПОДЪЕМНИК  
С МЕХАНИЗМОМ РЕЧНОЙ ПЕРЕДАЧИ

## MONTACARGAS A CREMALLERA

MOD.

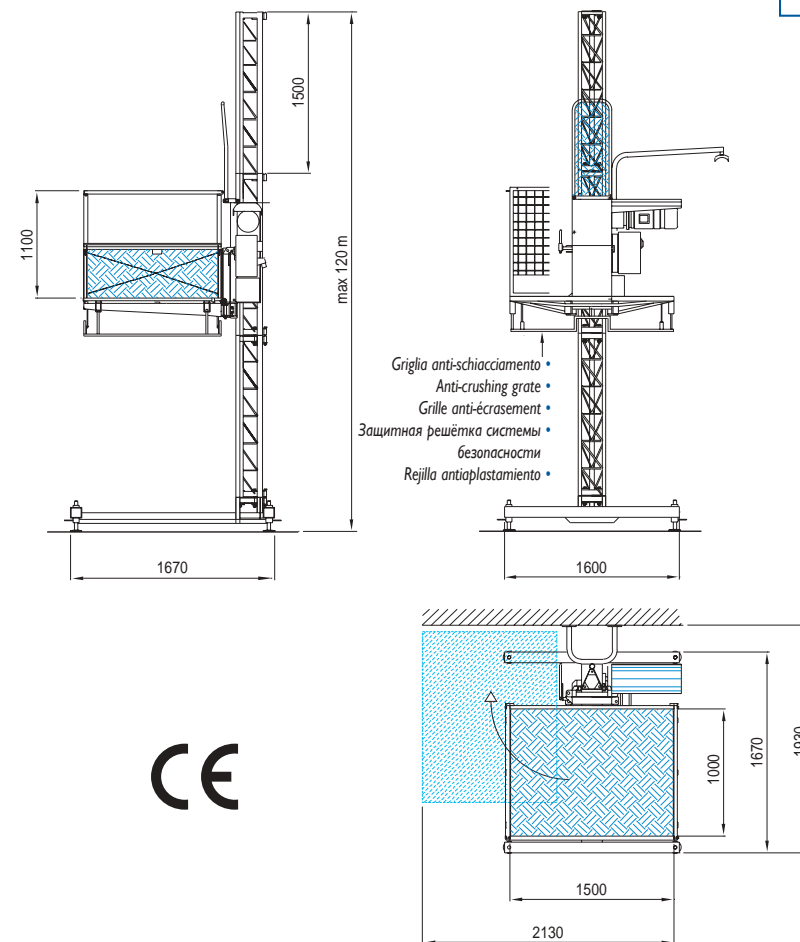
MB 500/120



- Elevatore in posizione di carico.
- Material hoist in loading position.
- Monte-matériaux en position de chargement.
- Грузовой подъёмник в положении погрузки
- Montacargas en posición de descarga



- Elevatore ruotato di 90°, in posizione di scarico.
- 90° rotated material hoist in unloading position.
- Monte-matériaux tourné de 90° en position de déchargement.
- Вращение на 90° грузового подъёмника в положении разгрузки
- Montacargas rodeado de 90, en posición de descarga



CARATTERISTICHE TECNICHE	TECHNICAL FEATURES	CARACTERISTIQUES TECHNIQUES	ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ	CARACTERÍSTICAS TÉCNICAS	MB 500/120-M	MB 500/120-T
Altezza max ancorata	Max anchored height	Hauteur max avec ancrages	Максимальная высота подъёма	Altura máxima	m. 120	m. 120
Capacità	Capacity	Capacité	Грузоподъёмность	Carga útil	kg. 350	kg. 500
Distanza max tra ancoraggi	Anchorage max distance	Distance maxi entre ancrages	Максимальное расстояние между креплениями	Distancia andajes	m. 6	m. 6
Larghezza cabina	Cage width	Largeur cabine	Ширина грузовой платформы	Largo plataforma	mm. 1000	mm. 1000
Lunghezza cabina	Cage length	Longueur cabine	Длина кабины	Ancho plataforma	mm. 1500	mm. 1500
Tensione monofase	One-phase voltage	Voltage monophasé	Вариант привода: однофазный	Tensión monofasica	V-Hz 230-50	
Tensione trifase	Three-phase voltage	Voltage triphasé	Вариант привода: трёхфазный	Tensión trifasica		V-Hz 400-50
Potenza motore	Power supply	Puissance moteur	Мощность двигателя	Potencia motor	kW 1,7	kW 3
Velocità di sollevamento	Climbing speed	Vitesse de levage	Скорость подъёма	Velocidad de subida	m./min 15	m./min. 25
Freno di emergenza meccanico brevettato	Patented mechanical emergency brake	Frein d'urgence mécanique breveté	Зпатентованный механический аварийный тормоз	Freno de emergencia mecánico patentado		