

924

RACCOLTA TECNICA **TECHNICAL BOOK**



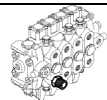
CARATTERISTICHE GENERALI TECHNICAL DATA

Momento dinamico max (daNm) Max dynamic moment	26800
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	Versione	Q _{max}
Portata max (kg) Max load	1S	9060
	2S	8950
	3S	8790
	4S	8555
	5S	8330
	6S	8120
	7S	8010
	8S	7835
	4SJ2	8555
	4SJ3	8555
	6SJ2	8120

	Versione	Stand.	EX
Massa in ordine di lavoro (kg) Crane weight	1S	2570	2640
	2S	2720	2790
	3S	2870	2940
	4S	3010	3080
	5S	3130	3200
	6S	3250	3320
	7S	3350	3420
	8S	3450	3520
	4SJ2	3520	3590
	4SJ3	3610	3680
	6SJ2	3550	3610

Reazione massima sullo stabilizzatore Max force on the stabilizer leg	Std: 9855 daN Ex: 9025 daN
Carico massimo trasmesso al suolo da stabilizzatori Max stabilizer pressure on the ground	Std: 39 daN/cm ² Ex: 36 daN/cm ²
Pressione massima di esercizio Max working pressure	325 bar
Portata massima di olio Max oil flow to main relief valve	38 l/min
Capacità serbatoio olio Oil tank capacity	130 l
Coppia di rotazione Slewing moment	2150 daNm
Angolo di rotazione Slewing angle	387°
Potenza assorbita Absorbed power	24 kW 33 HP
Normativa di calcolo Design standard	DIN 15018 EN 12999

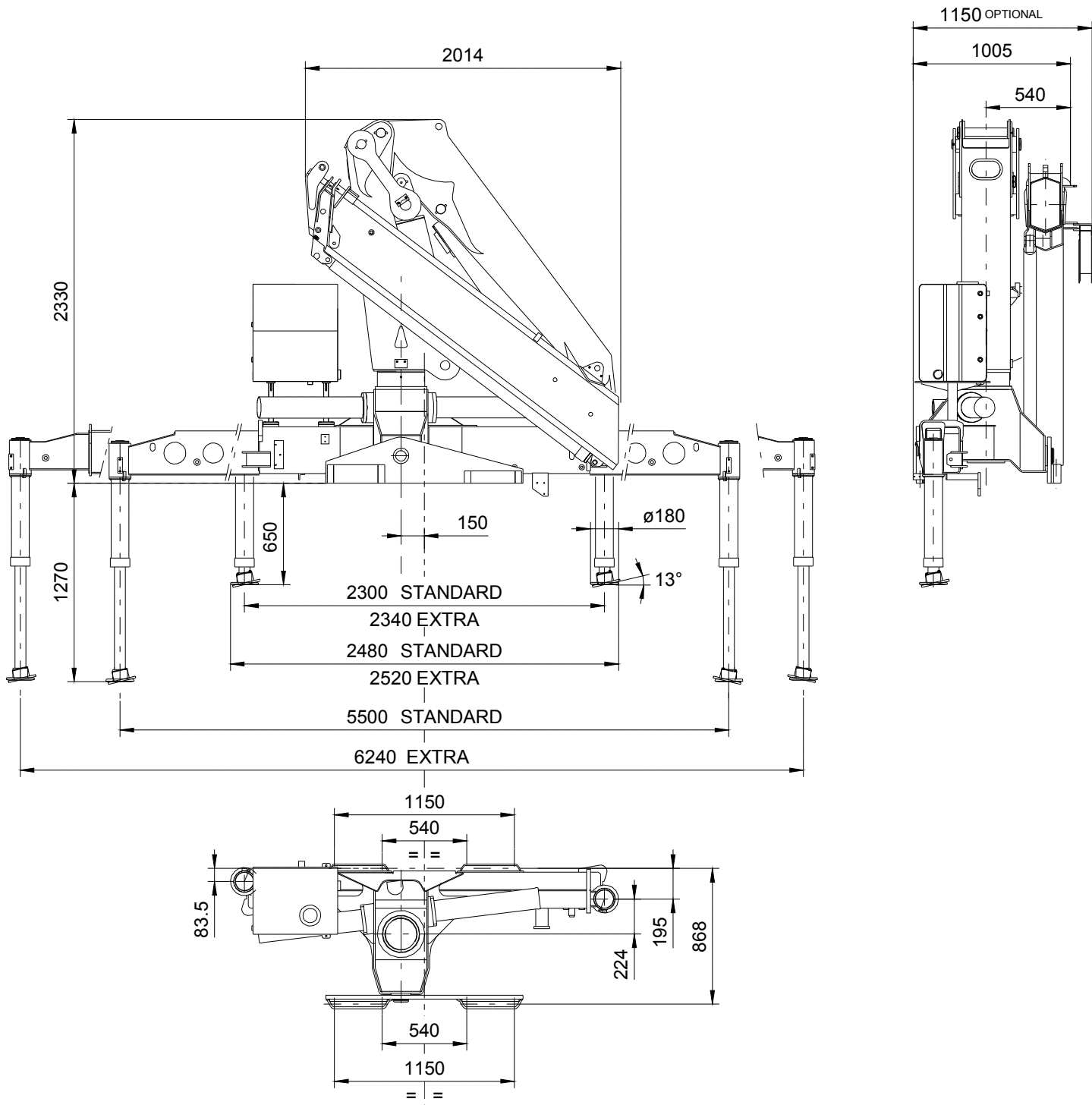
Raccordi di collegamento con pompa Fittings for connection with pump		NO RDC	RDC
Linea di pressione distributore Control valve pressure line		M7/8" - 14 JIC	M7/8" - 14 JIC
Linea di aspirazione serbatoio Tank suction line		F1" 1/2 BSP	F1" 1/2 BSP

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DIMENSIONI DI INGOMBRO DIMENSIONS 924 1S

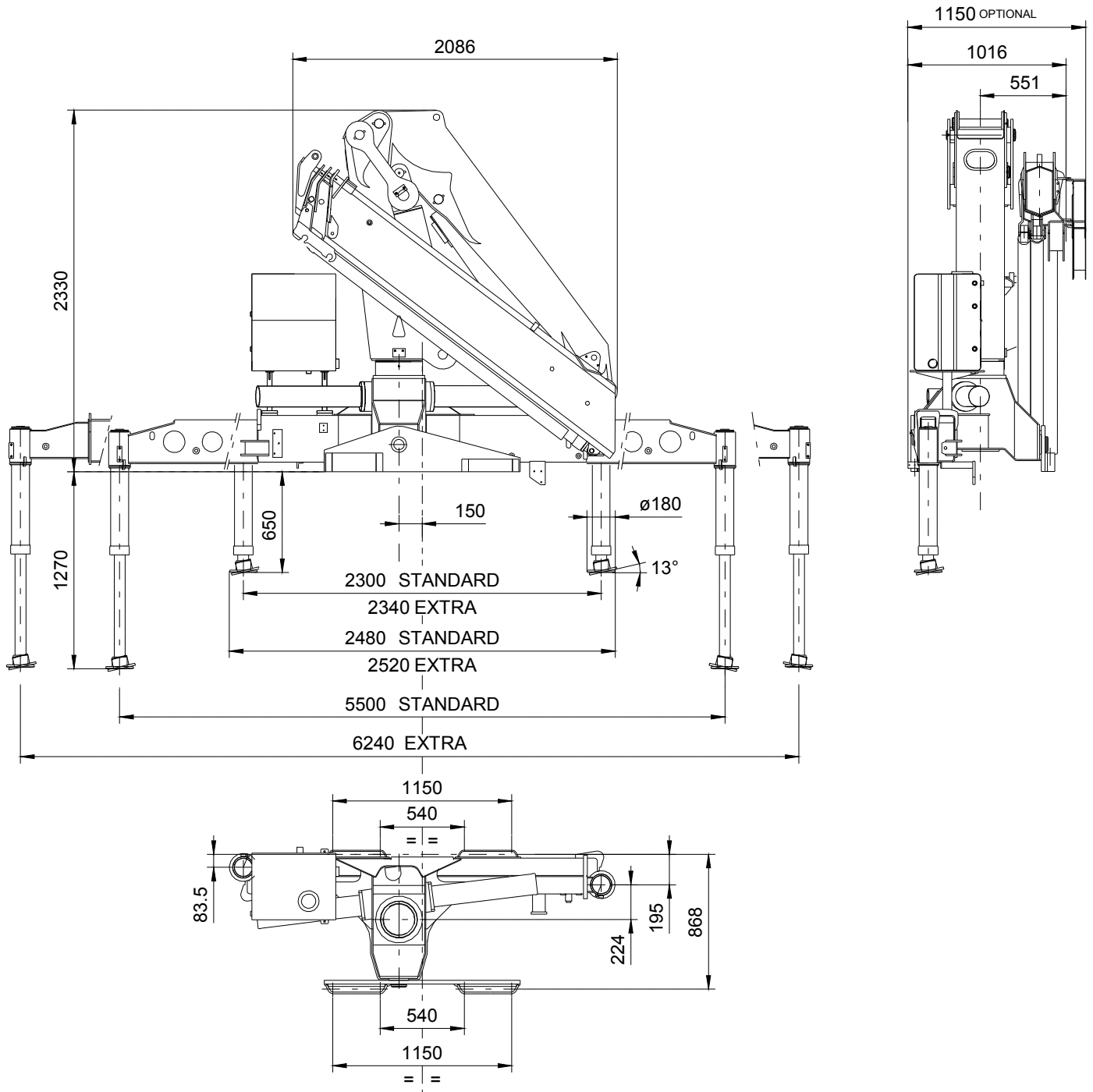


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DIMENSIONI DI INGOMBRO DIMENSIONS 924 2S

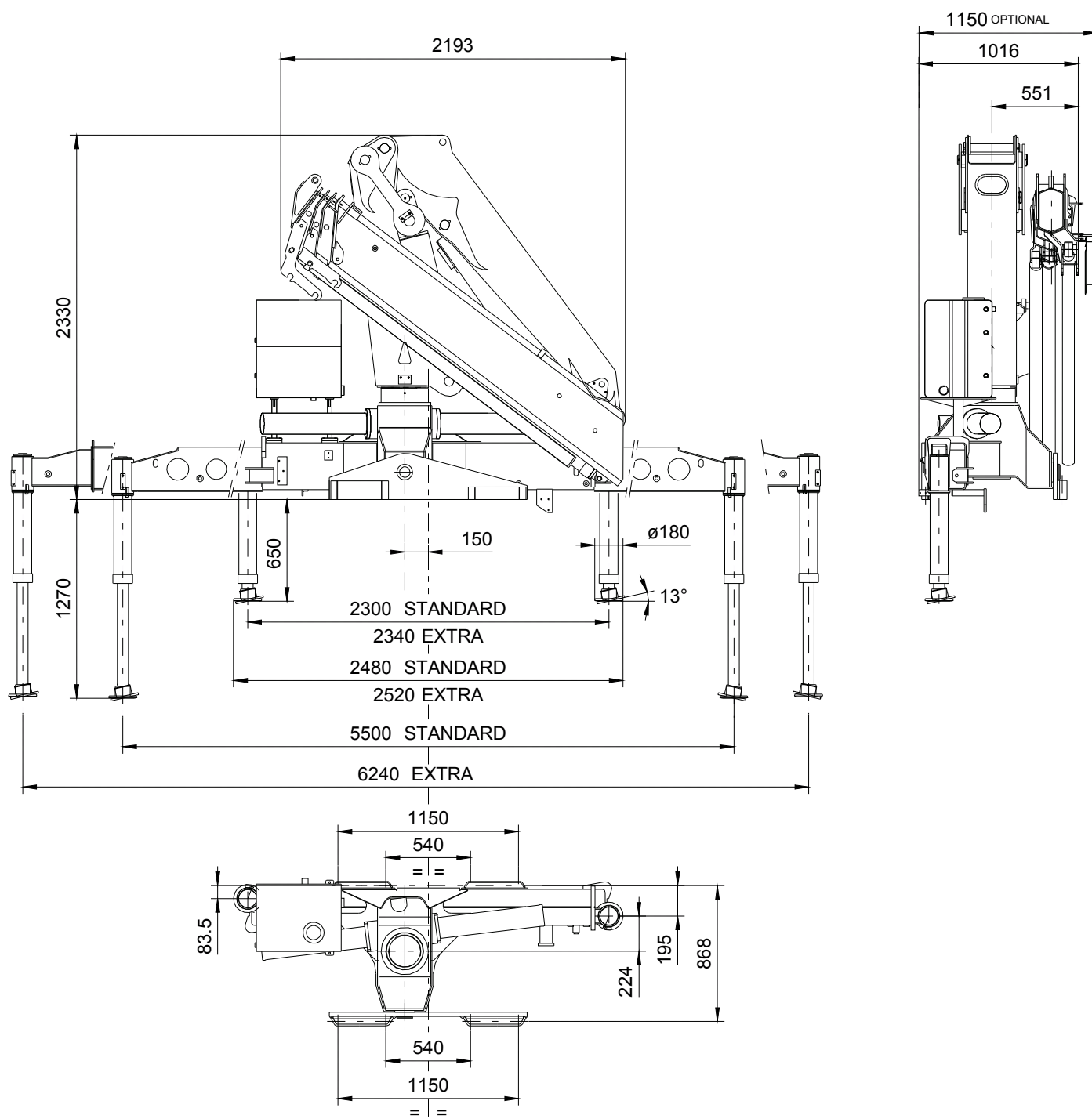


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DIMENSIONI DI INGOMBRO DIMENSIONS 924 3S

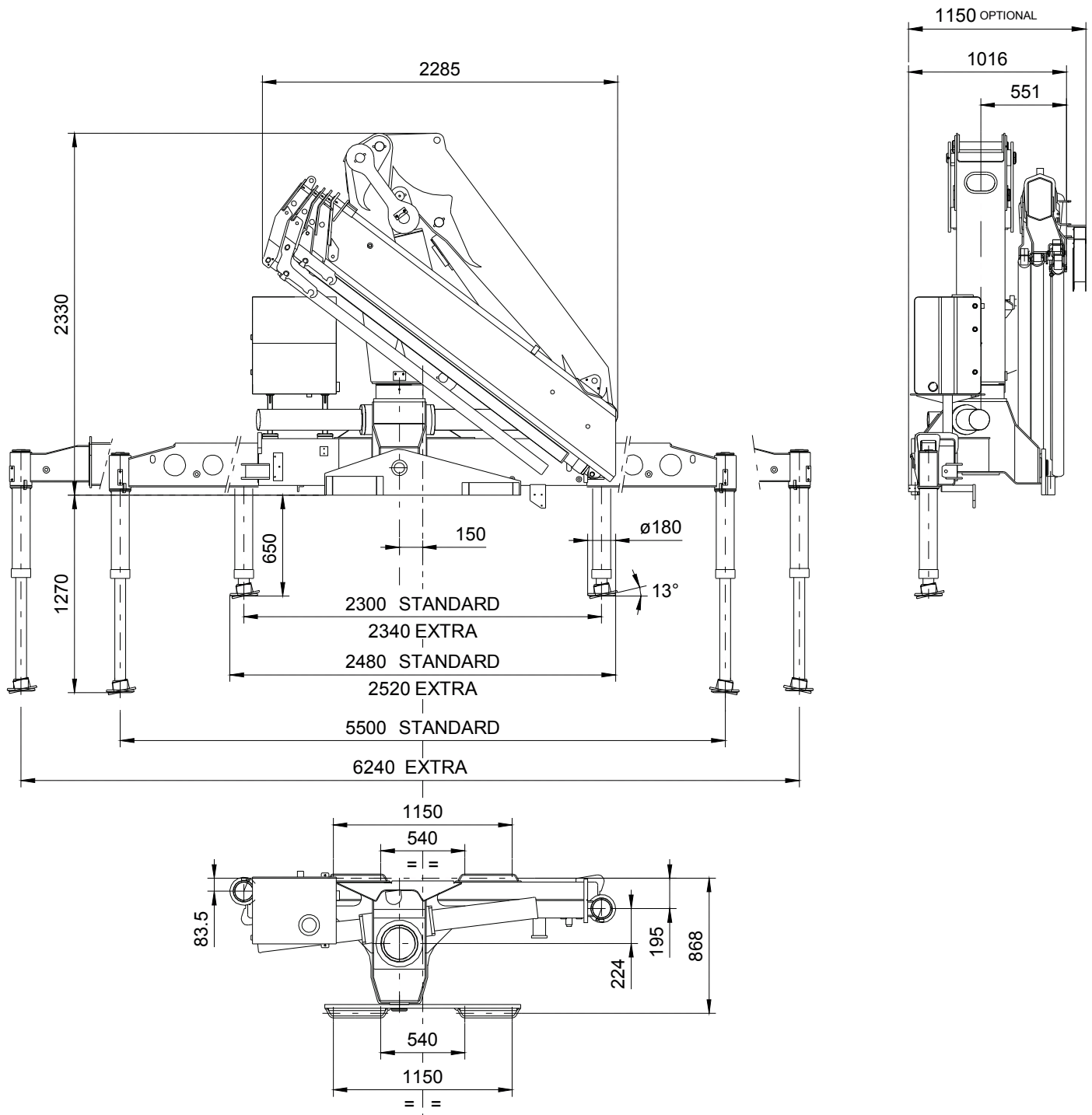


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DIMENSIONI DI INGOMBRO DIMENSIONS 924 4S

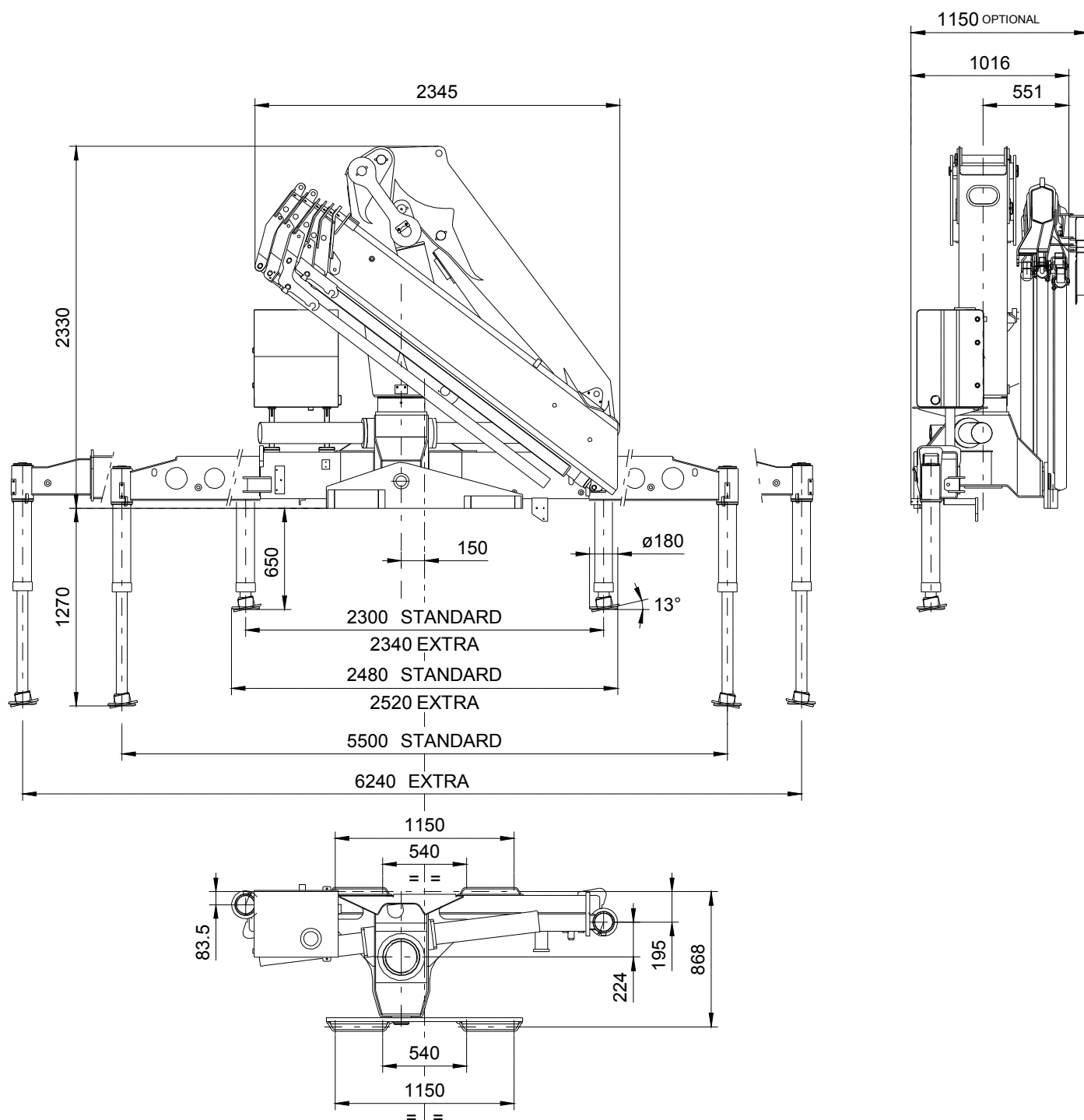


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DIMENSIONI DI INGOMBRO
DIMENSIONS
924 5S

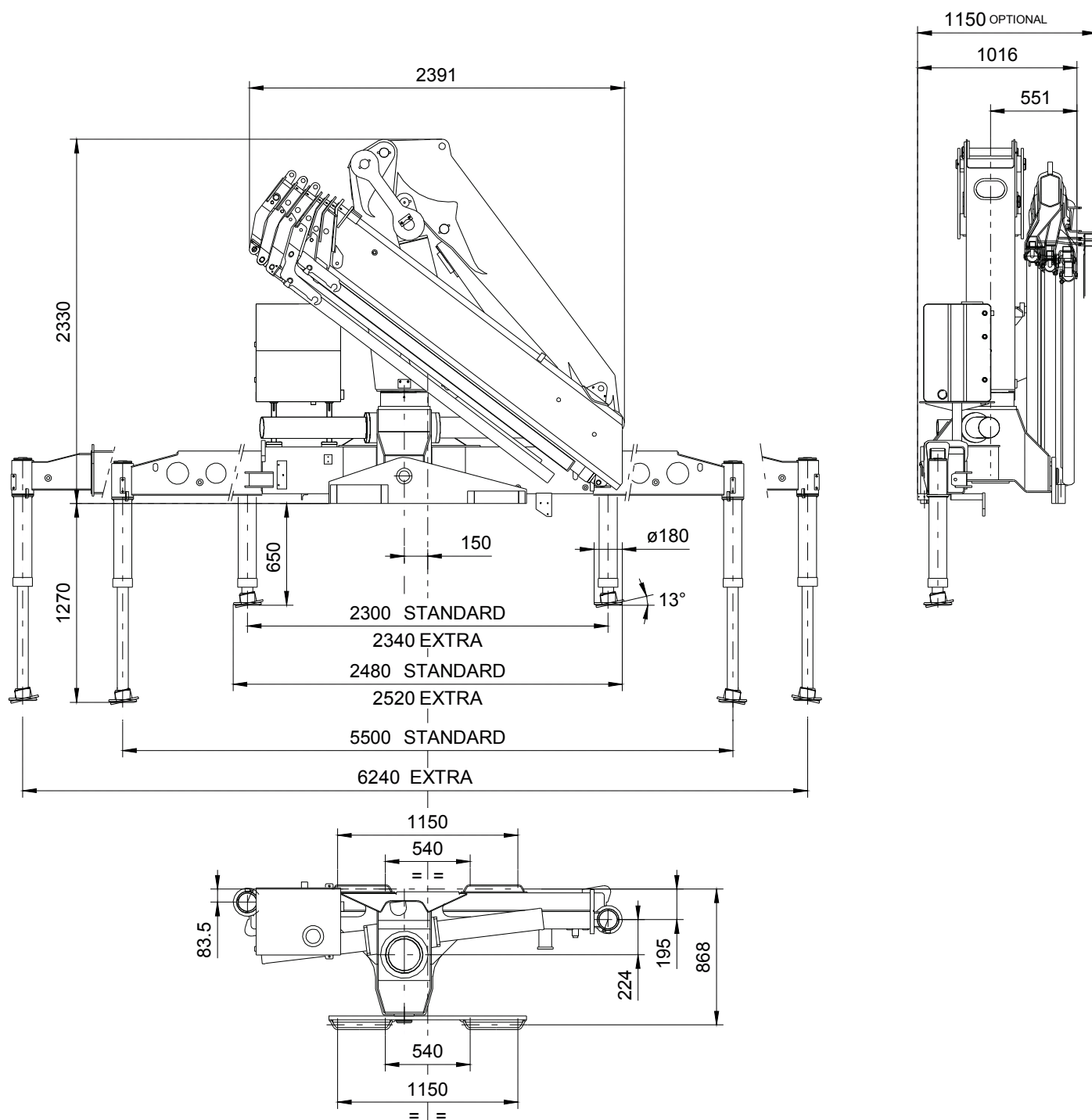


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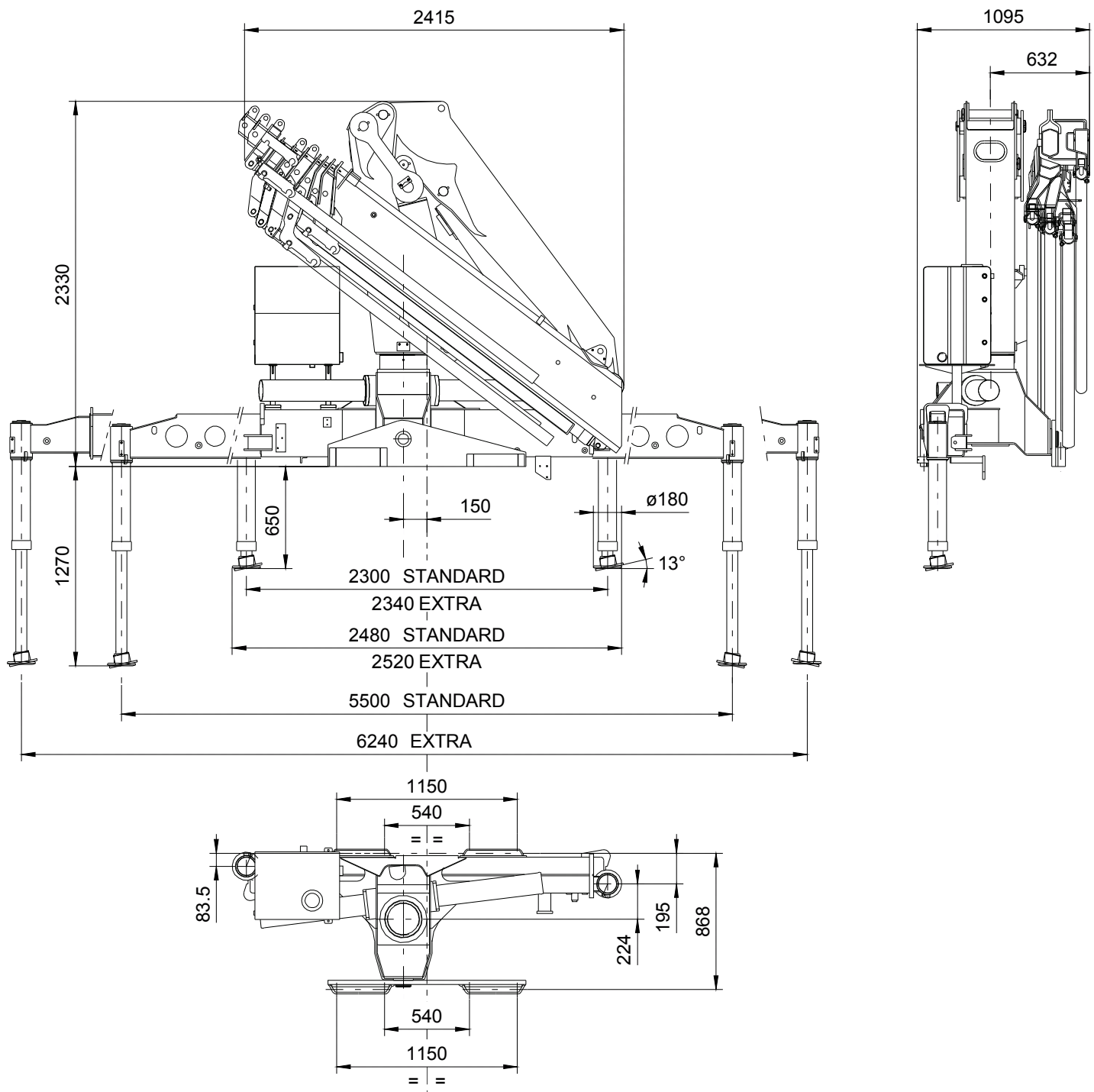
DIMENSIONI DI INGOMBRO DIMENSIONS 924 6S



DIMENSIONI DI INGOMBRO

DIMENSIONS

924 7S

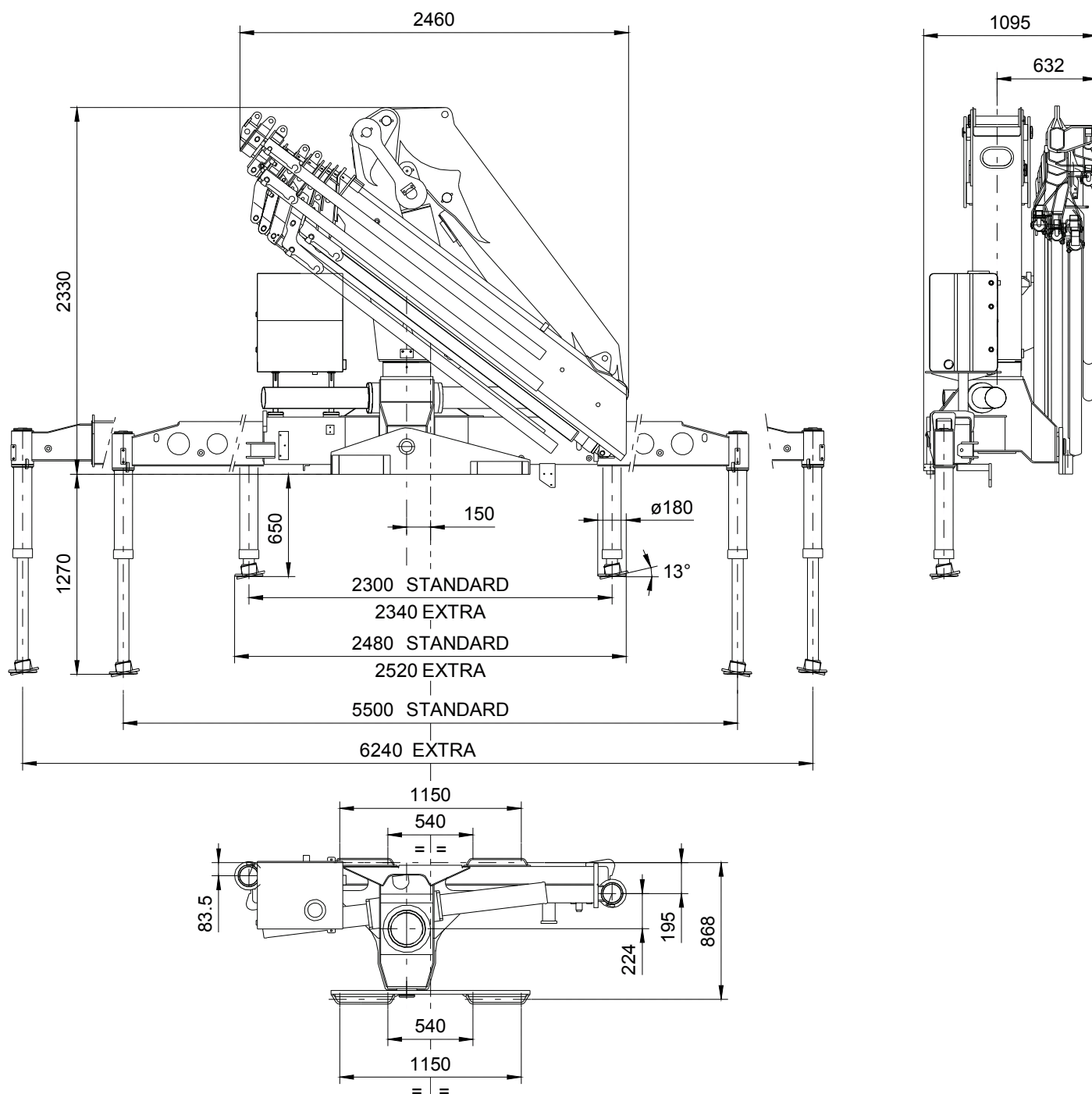


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DIMENSIONI DI INGOMBRO DIMENSIONS 924 8S

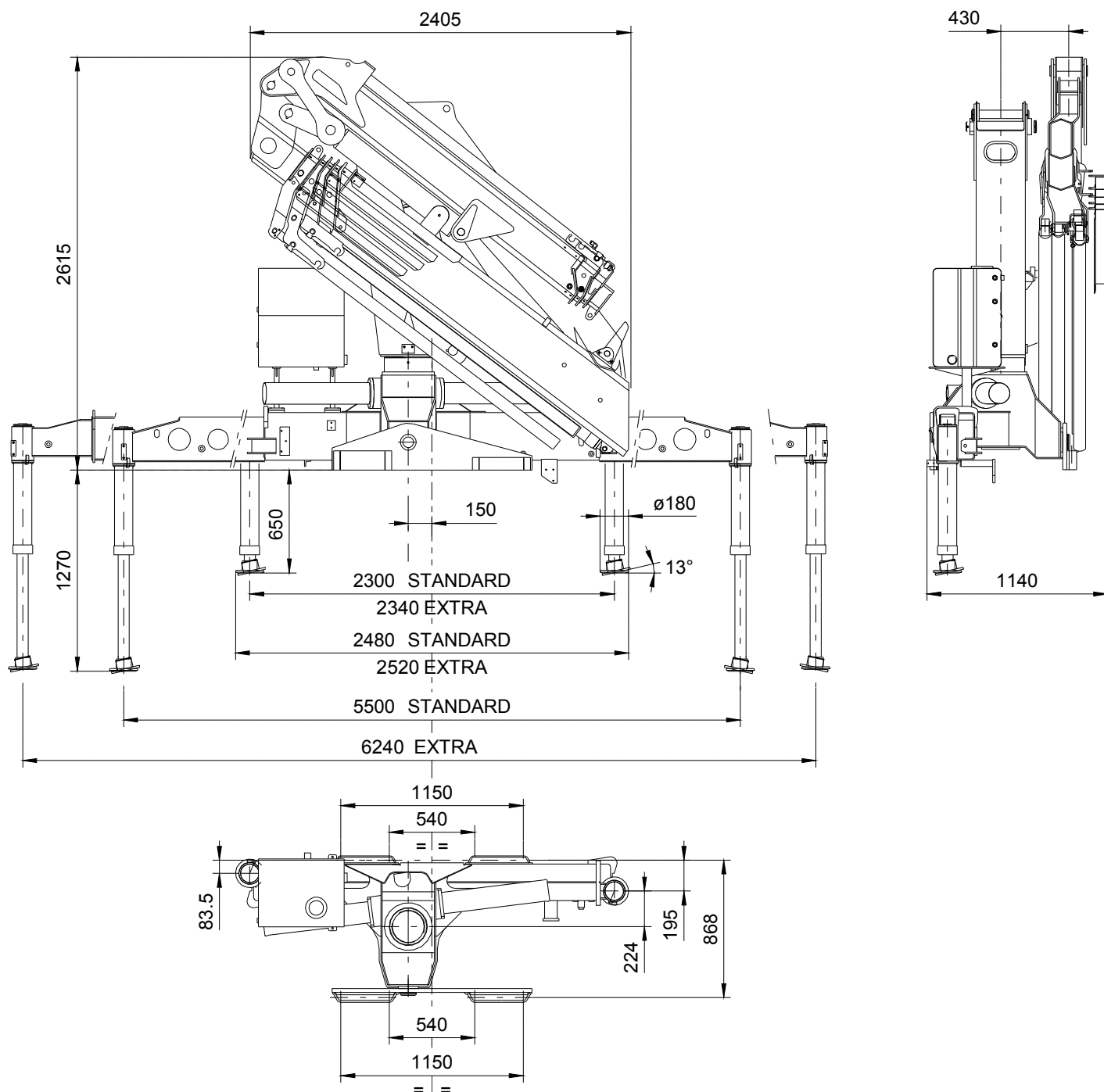


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DIMENSIONI DI INGOMBRO
DIMENSIONS
924 4SJ2

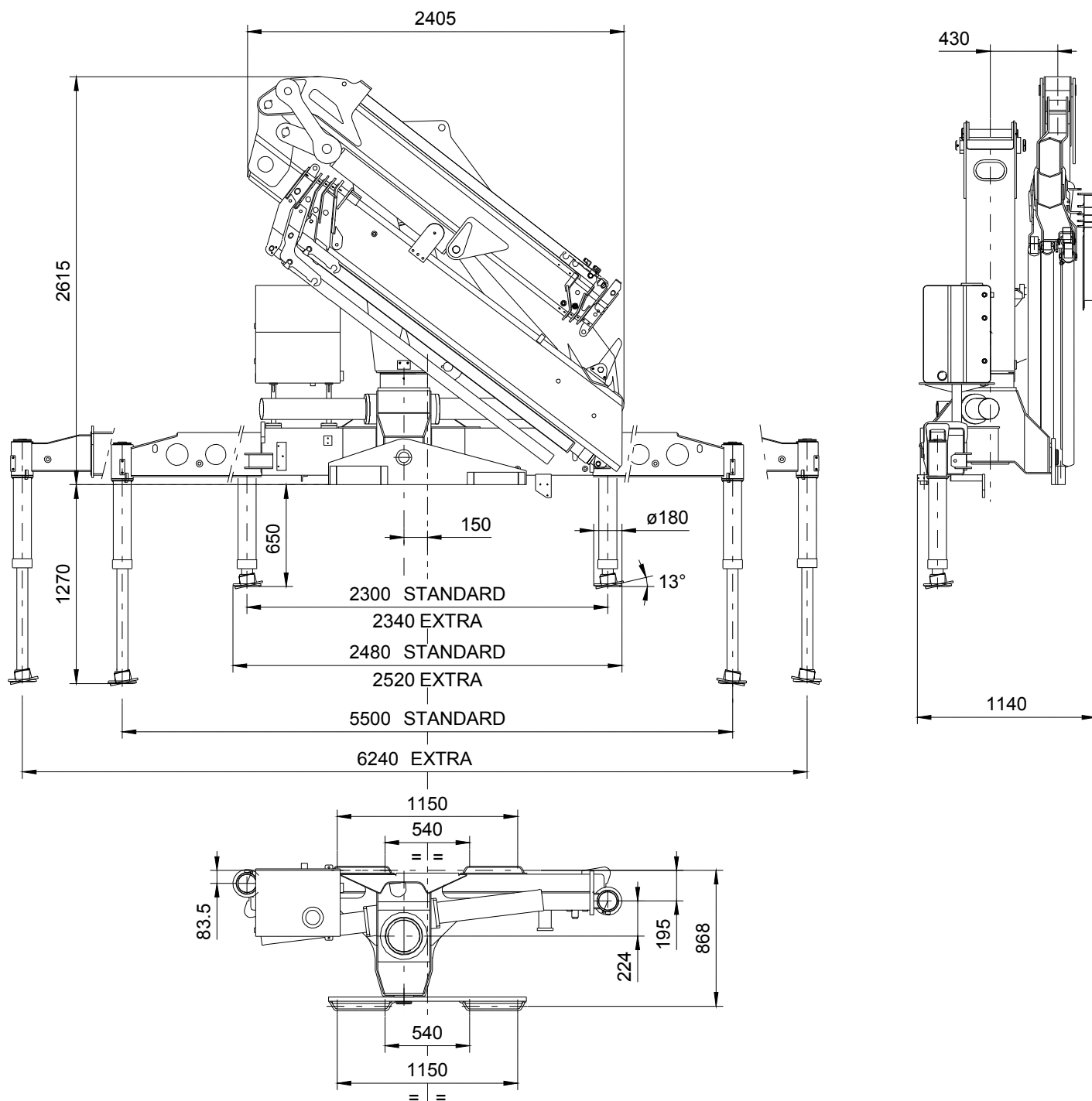


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DIMENSIONI DI INGOMBRO
DIMENSIONS
924 4SJ3



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DIMENSIONI DI INGOMBRO DIMENSIONS 924 6SJ2

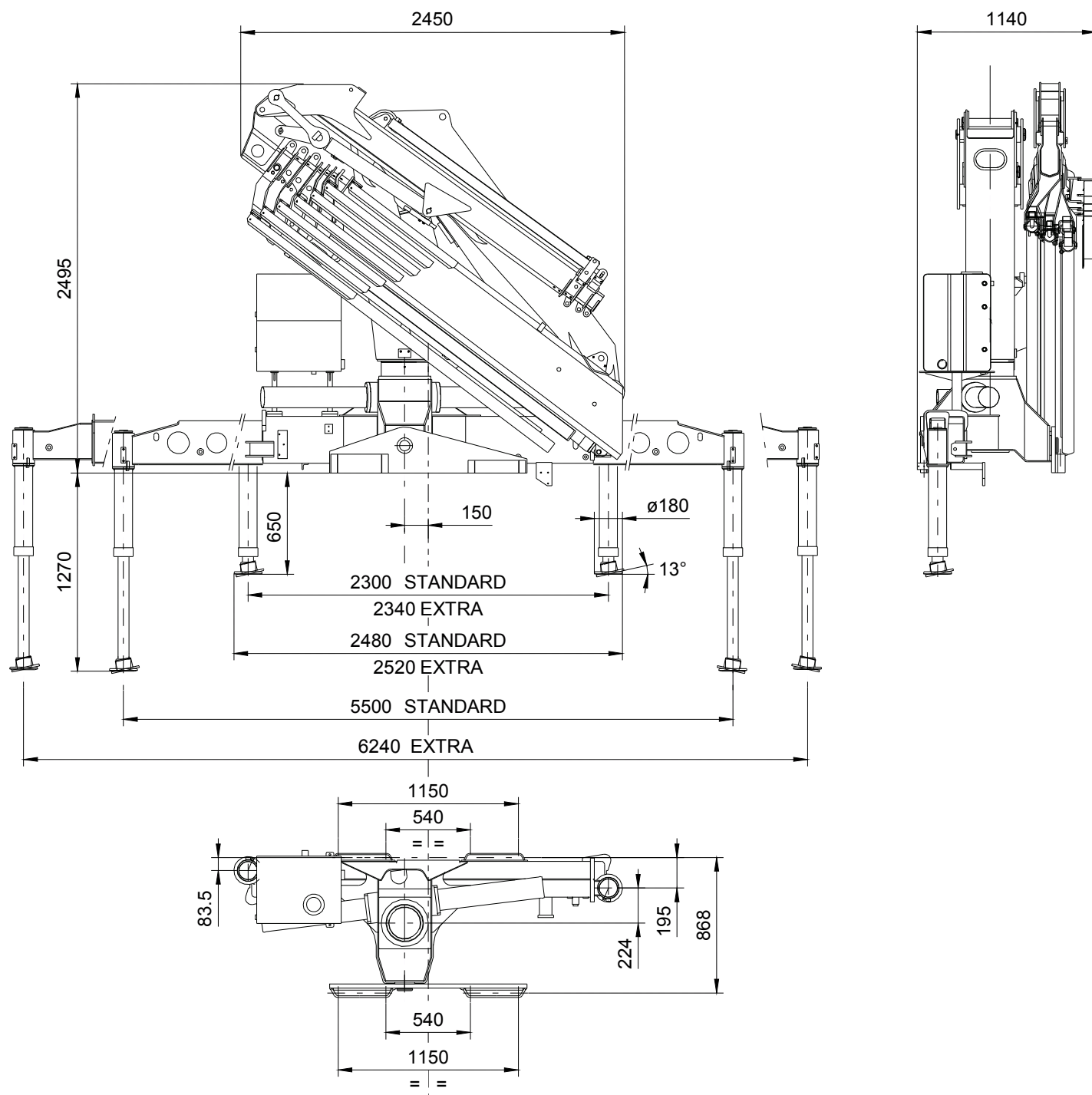


DIAGRAMMA PORTATE LOAD DIAGRAM 924 1S

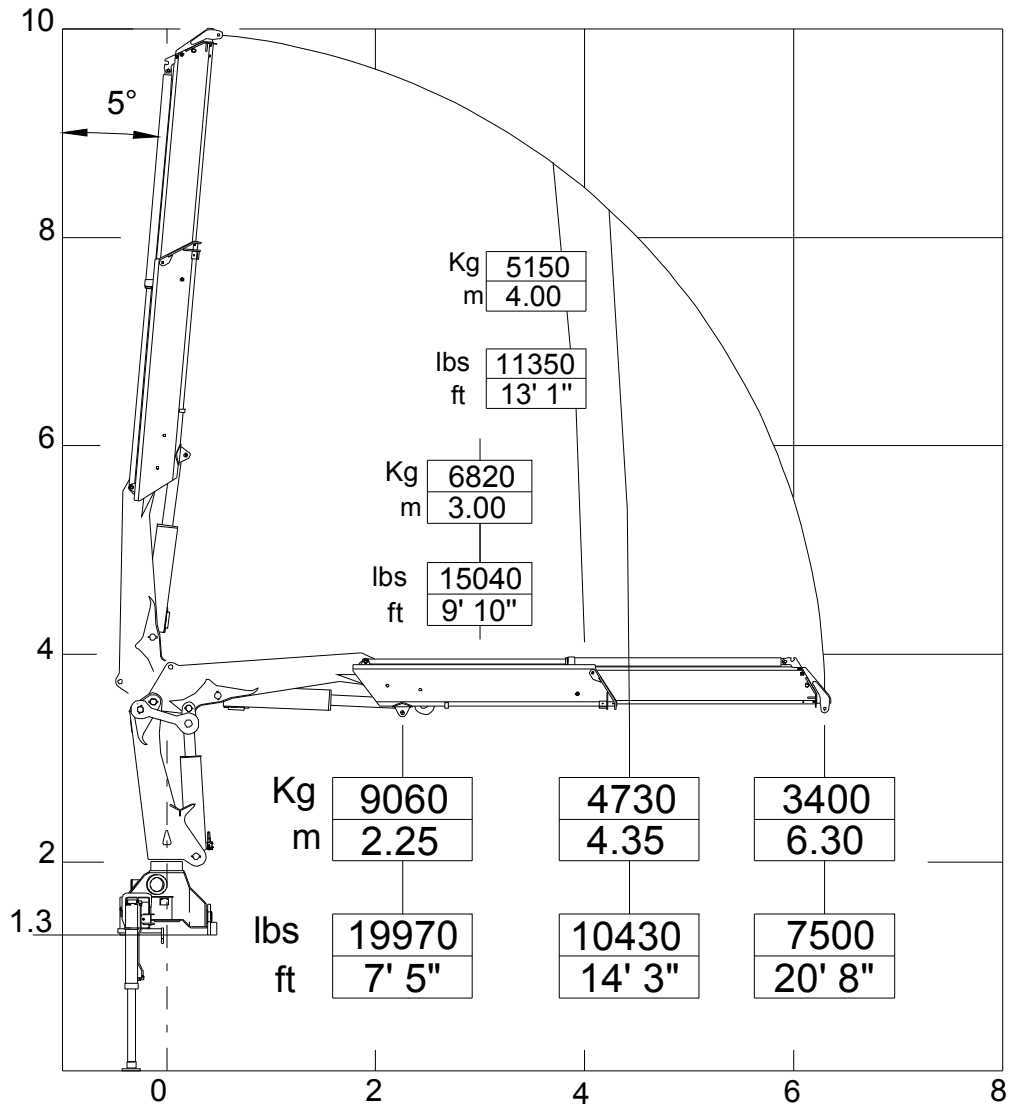
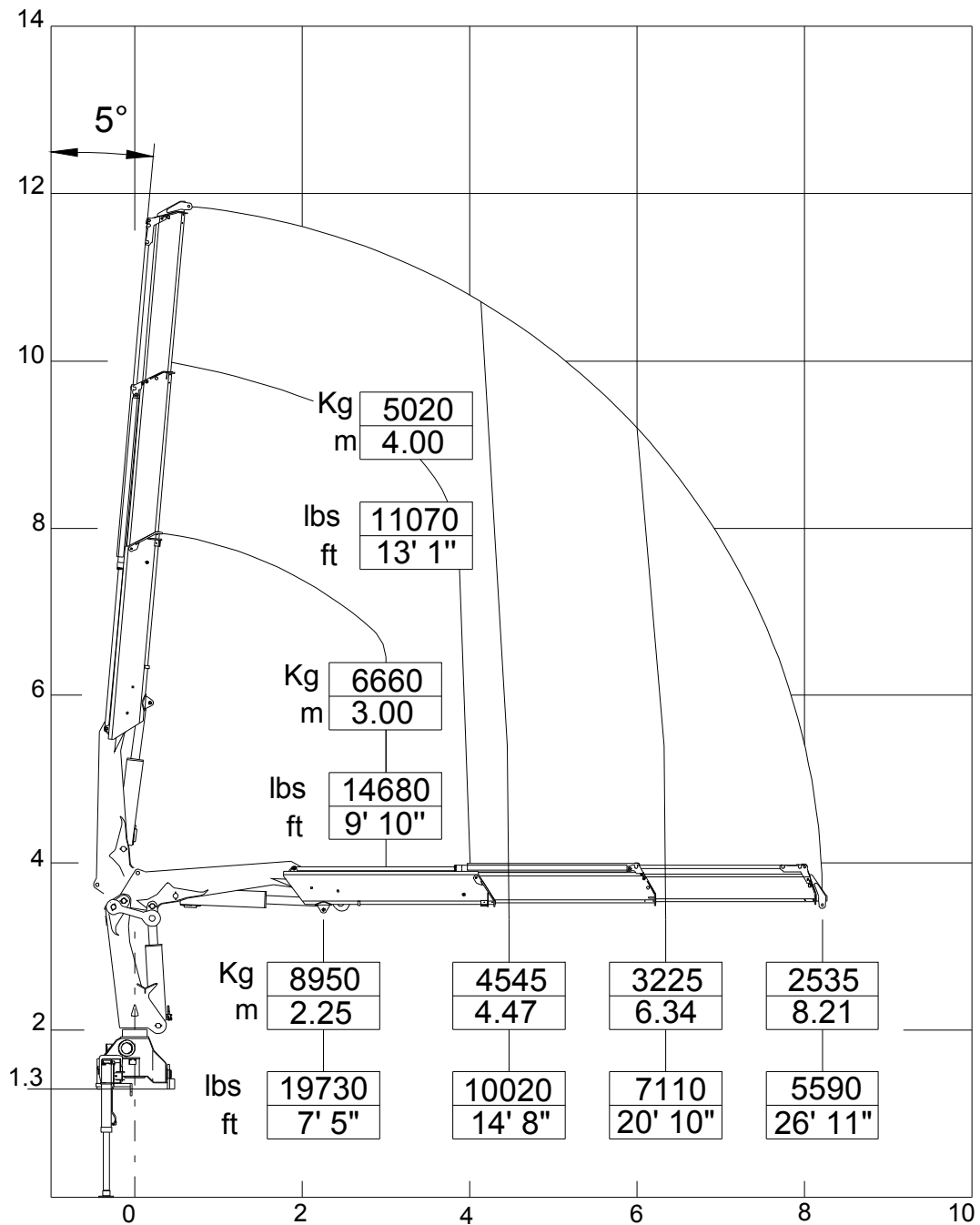


DIAGRAMMA PORTATE LOAD DIAGRAM 924 2S

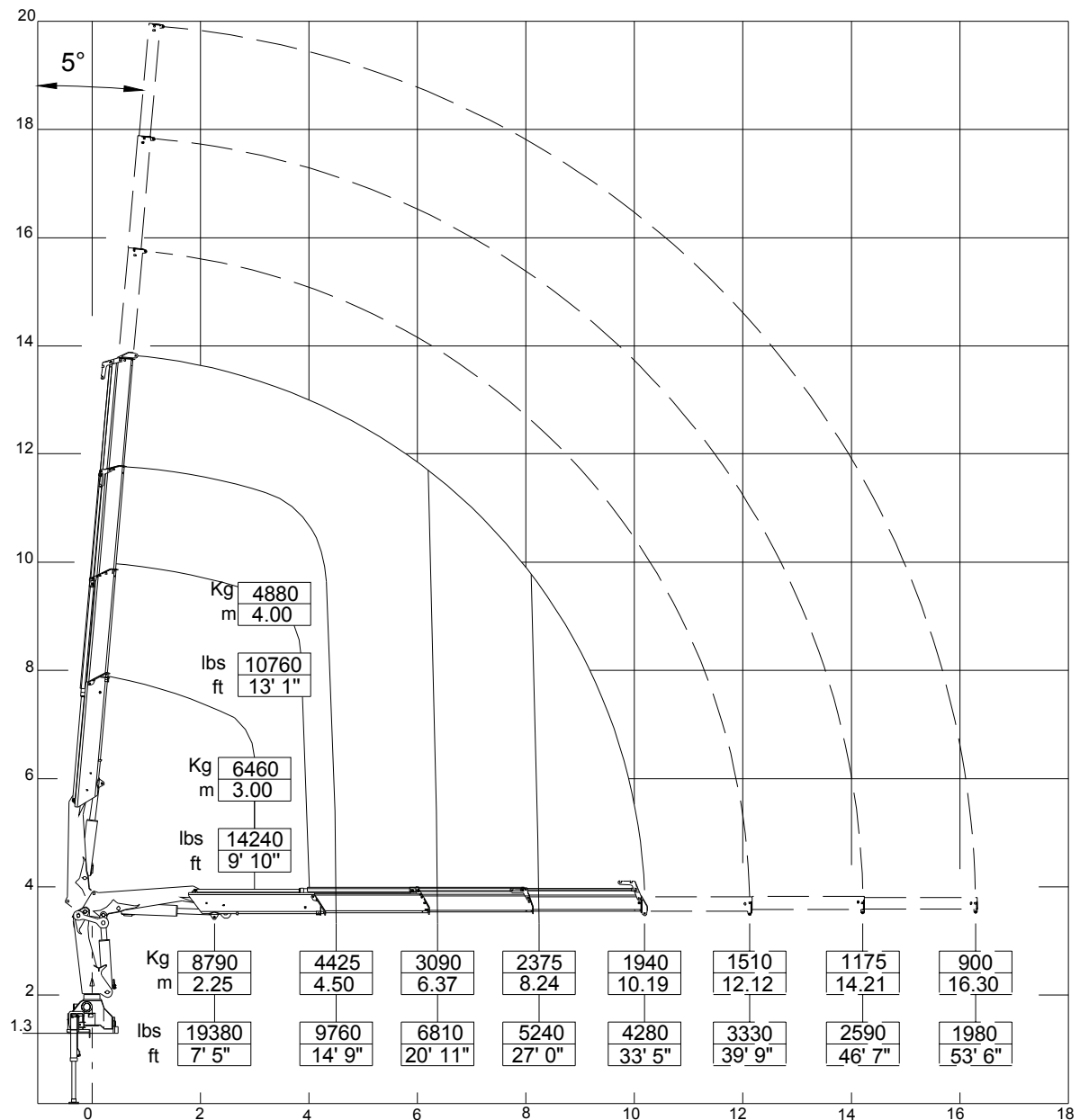


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DIAGRAMMA PORTATE LOAD DIAGRAM 924 3S

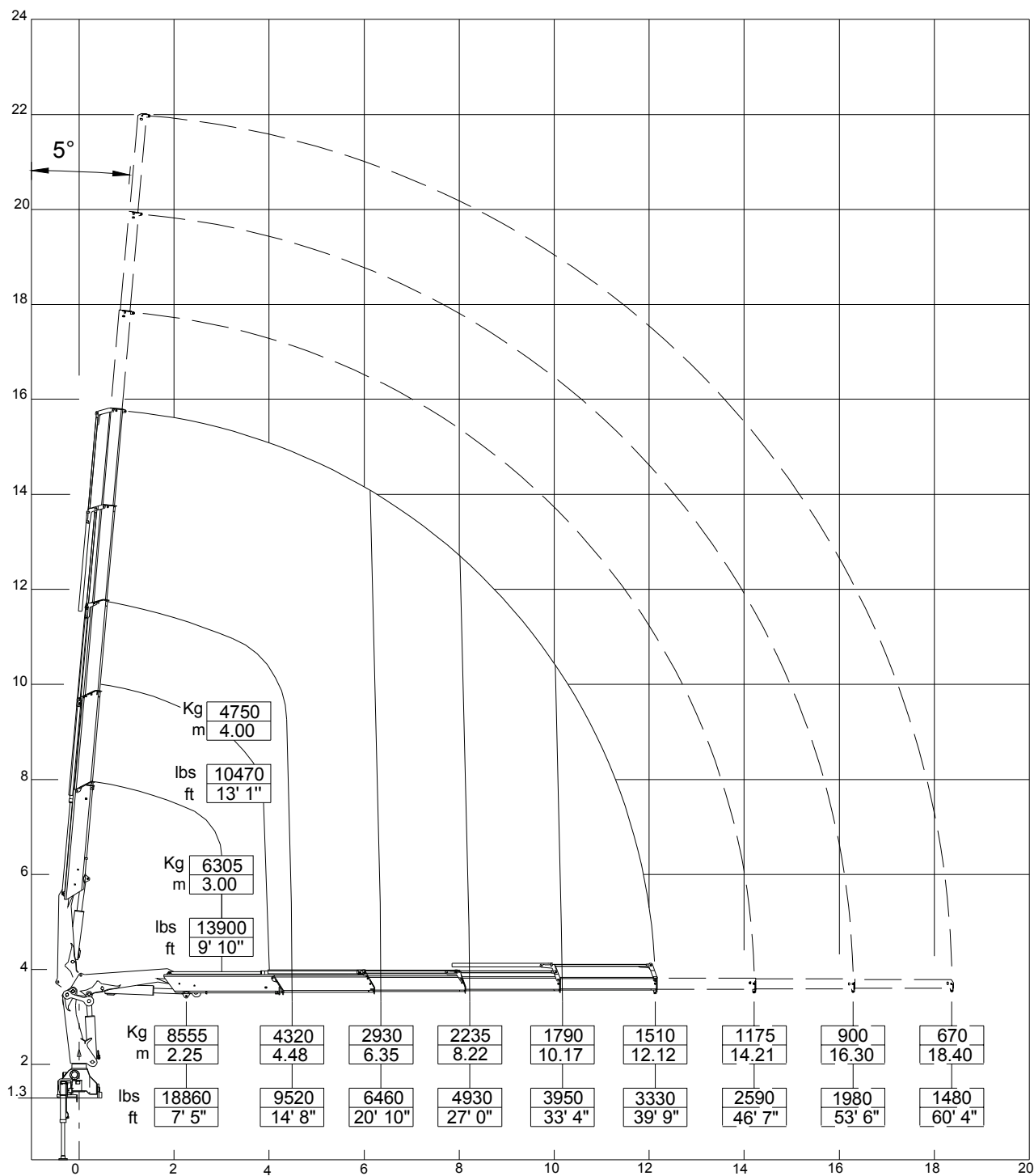


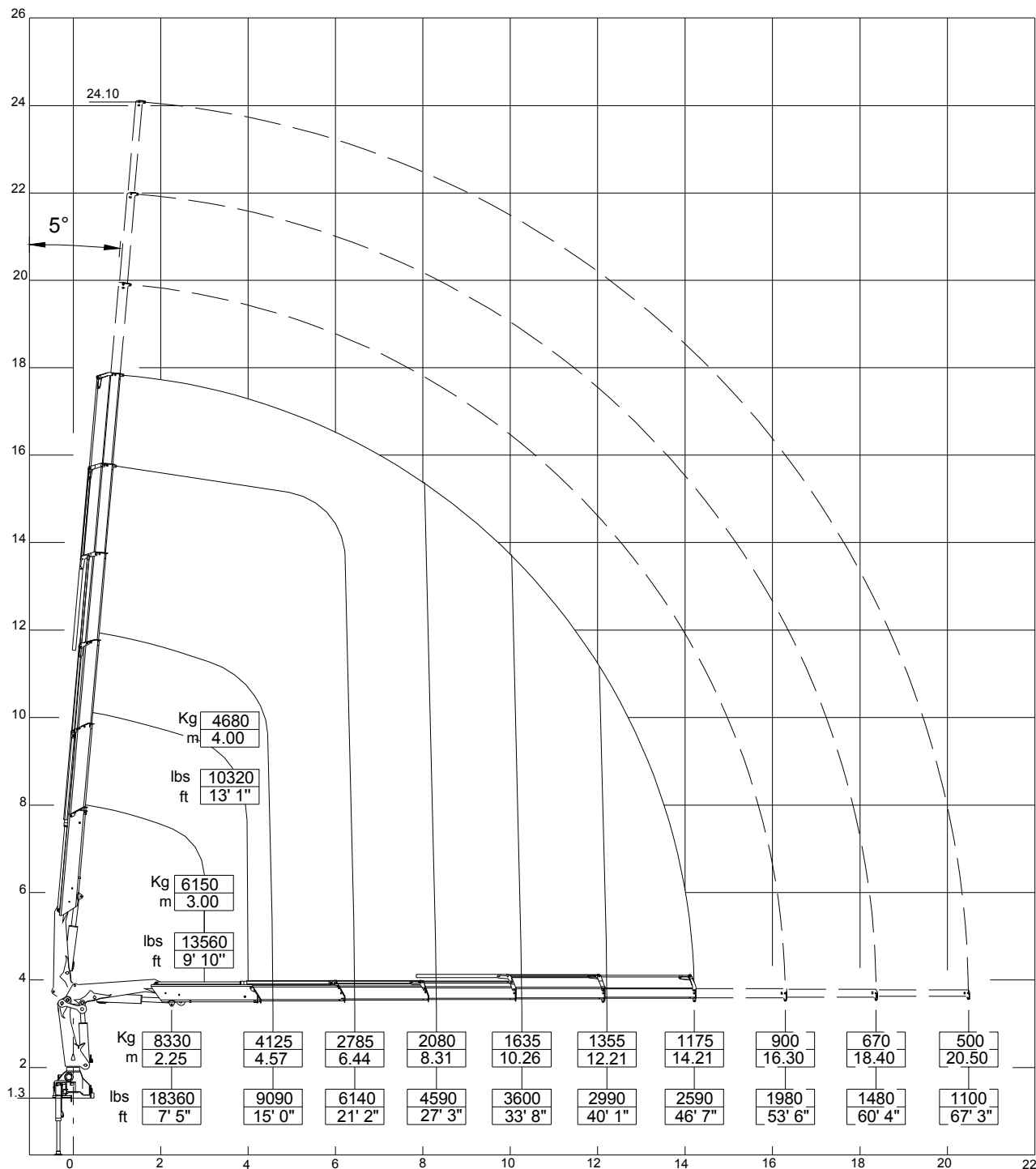
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DIAGRAMMA PORTATE LOAD DIAGRAM 924 4S



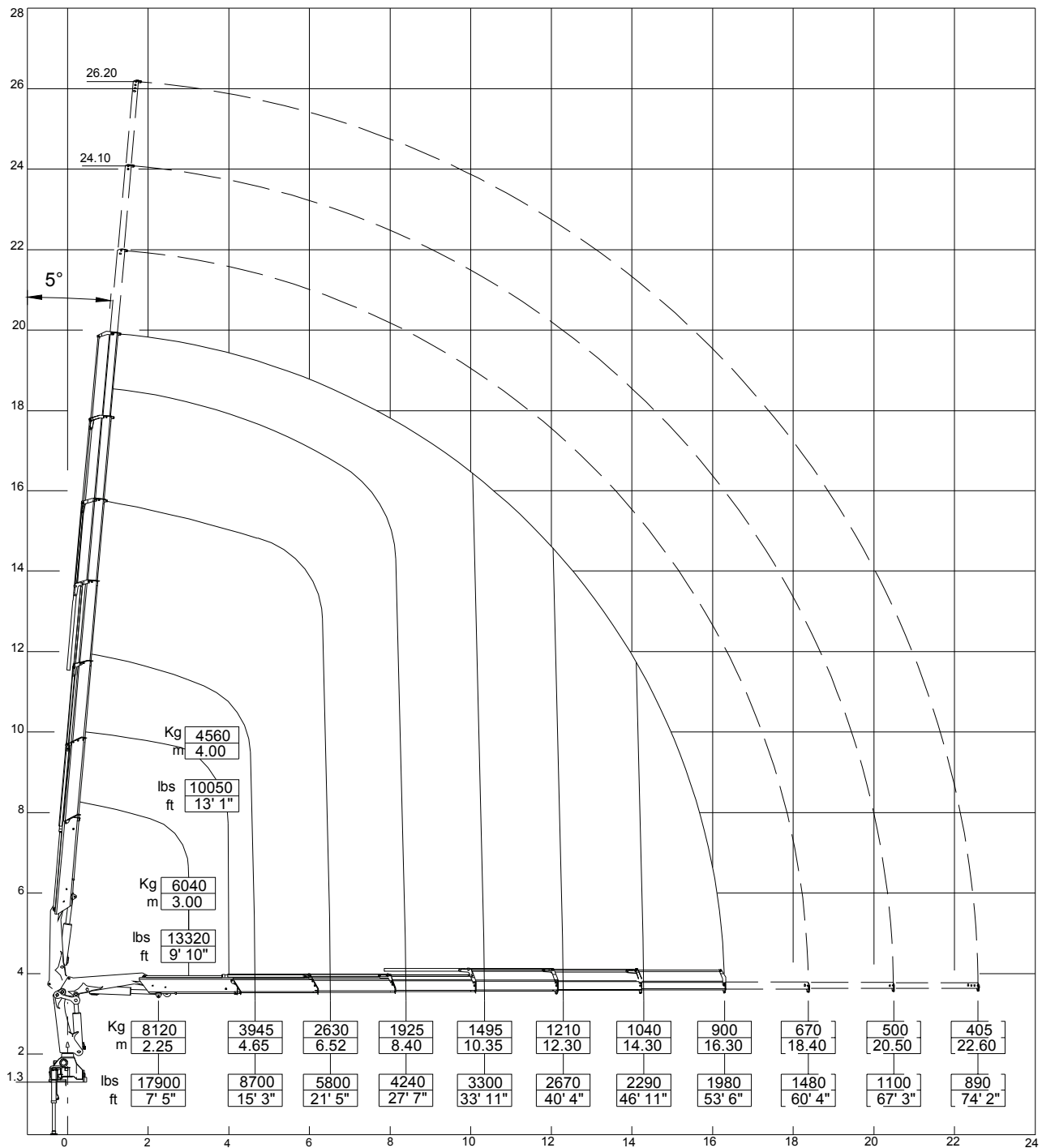
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A HYVA GROUP COMPANY**DIAGRAMMA PORTATE**
LOAD DIAGRAM
924 5S

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DIAGRAMMA PORTATE LOAD DIAGRAM 924 6S

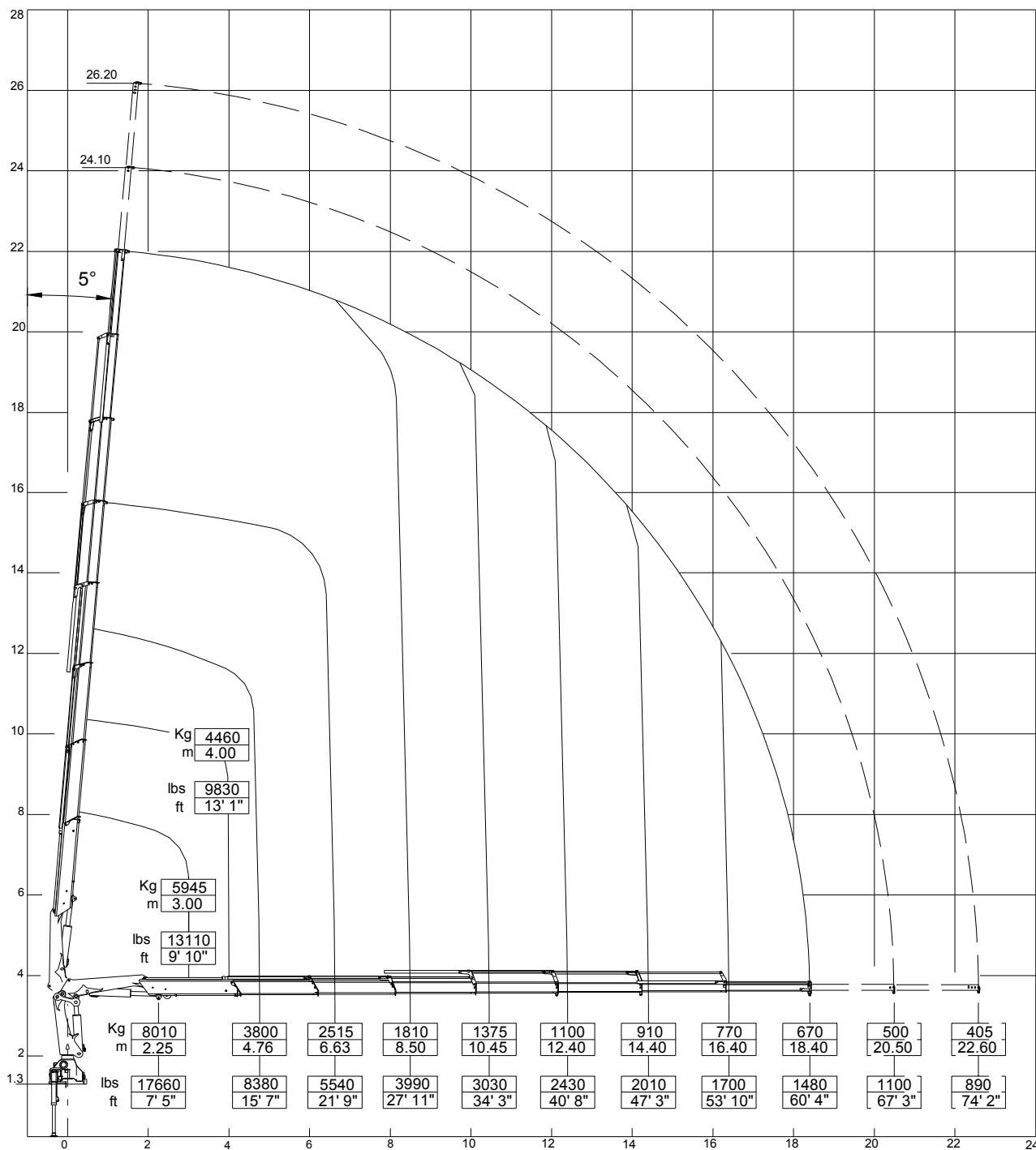


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DIAGRAMMA PORTATE LOAD DIAGRAM 924 7S

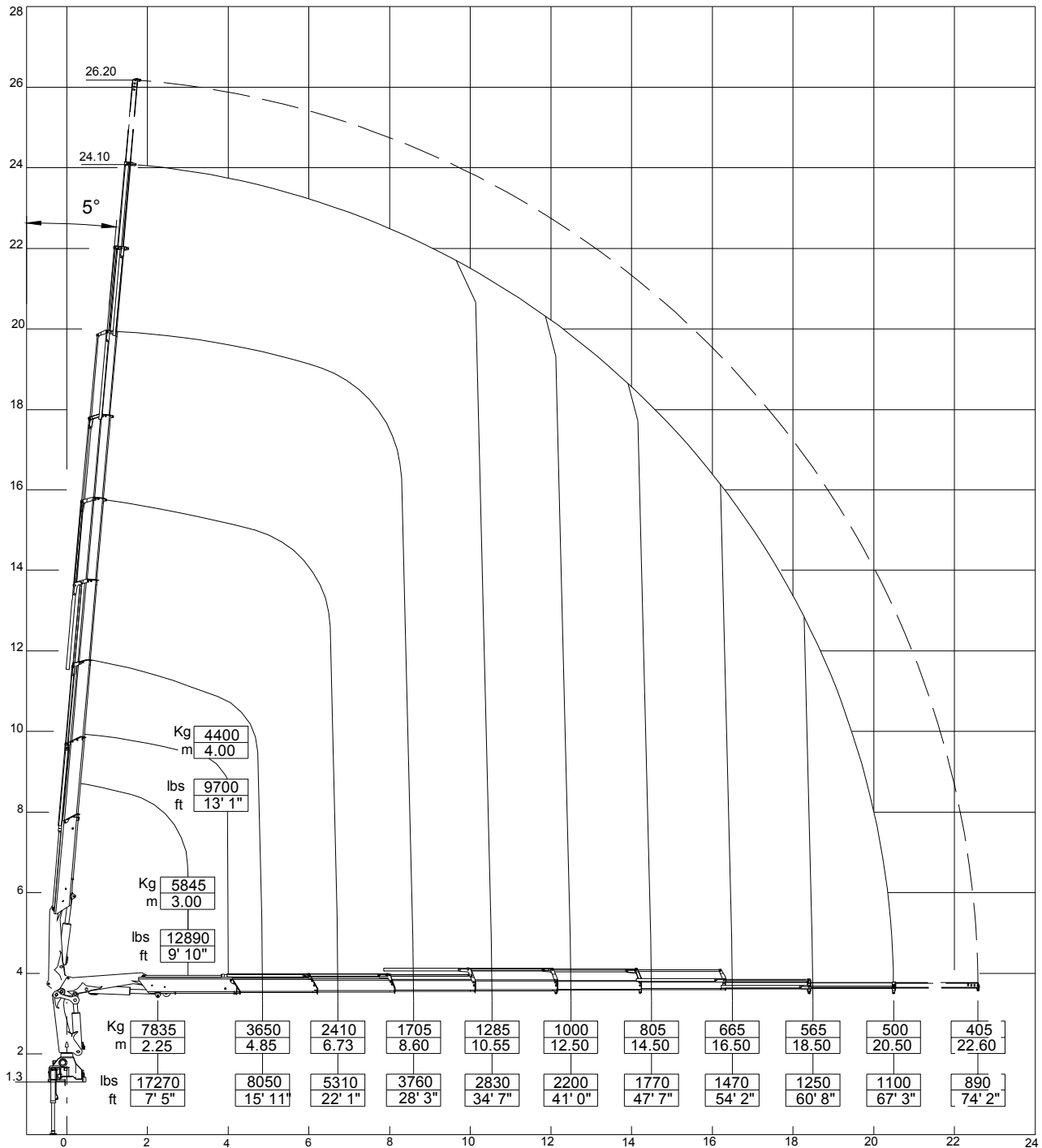


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DIAGRAMMA PORTATE LOAD DIAGRAM 924 8S

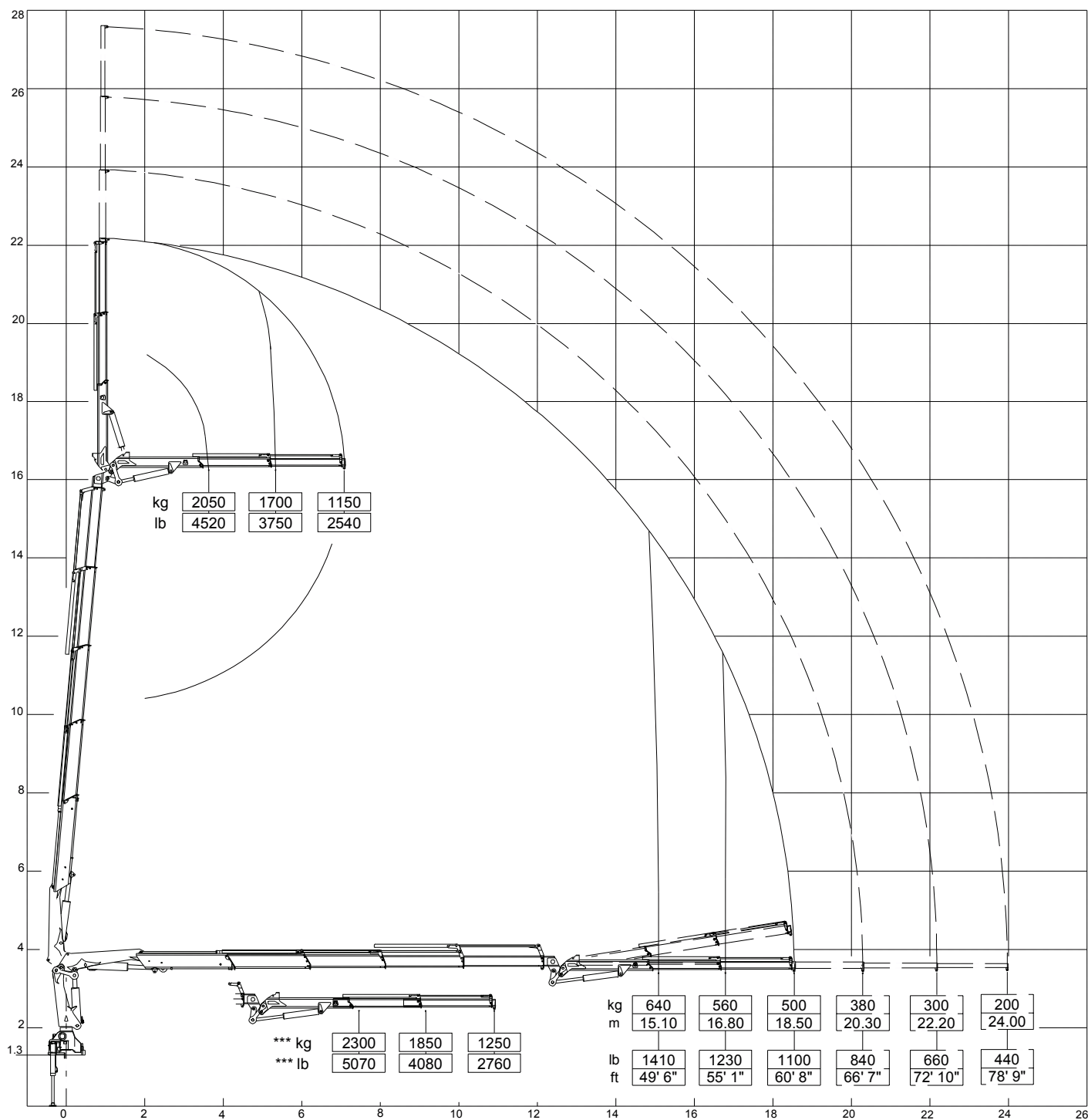


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DIAGRAMMA PORTATE LOAD DIAGRAM 924 4SJ2



*** PORTATA MASSIMA JIB

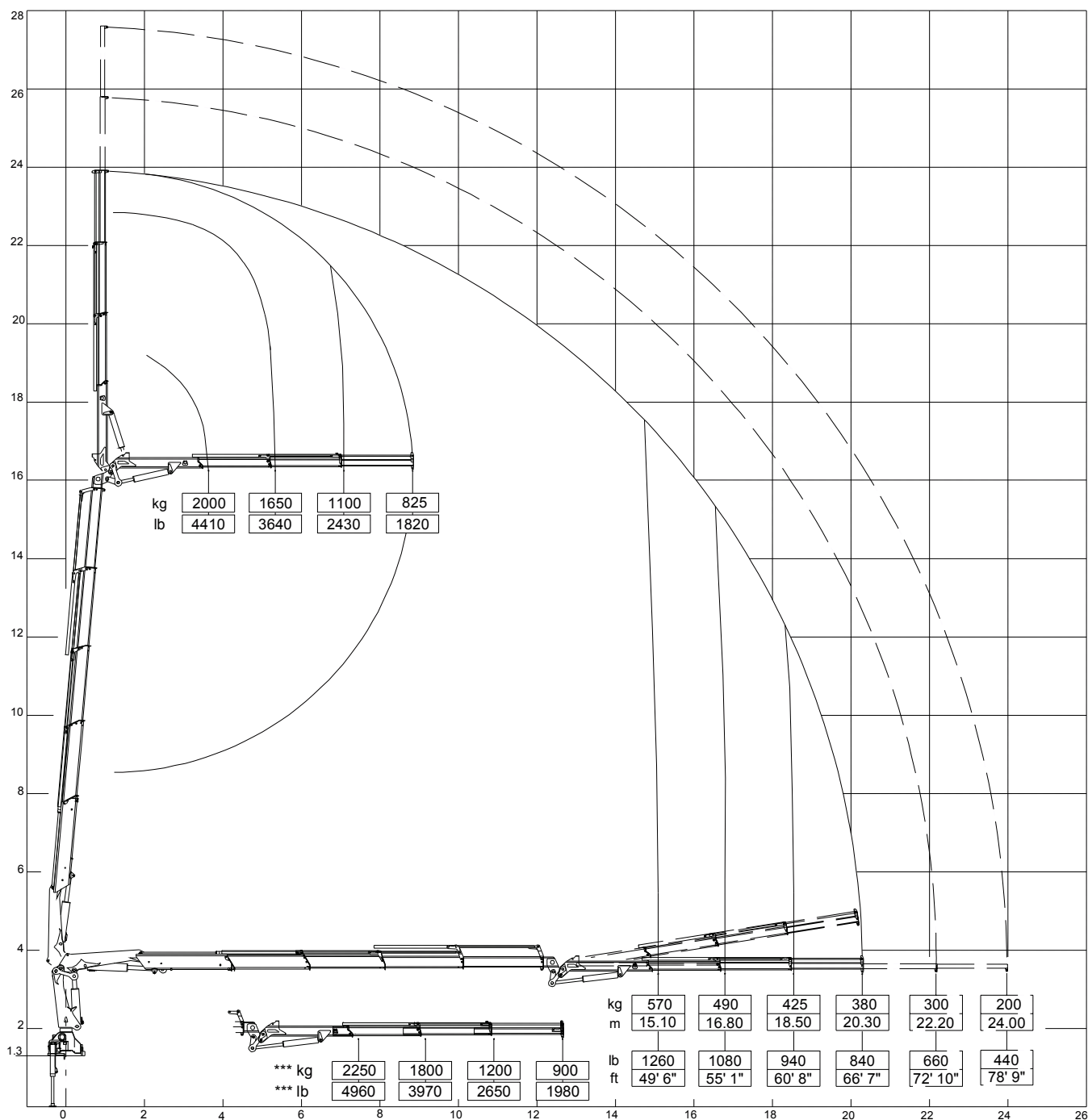
*** MAX. LIFTING CAPACITY OF FLYING JIB

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DIAGRAMMA PORTATE LOAD DIAGRAM 924 4SJ3



*** PORTATA MASSIMA JIB

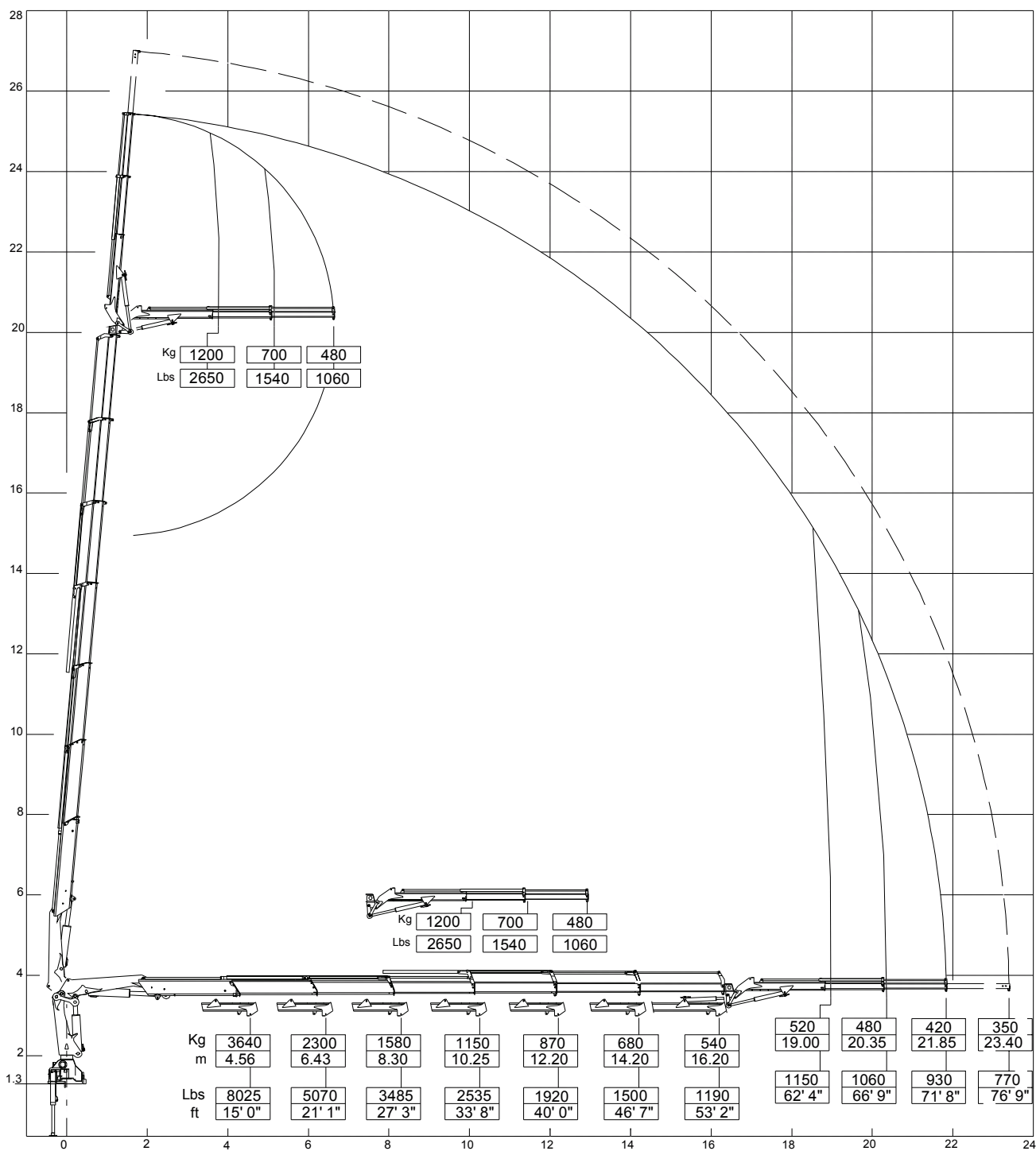
*** MAX. LIFTING CAPACITY OF FLYING JIB

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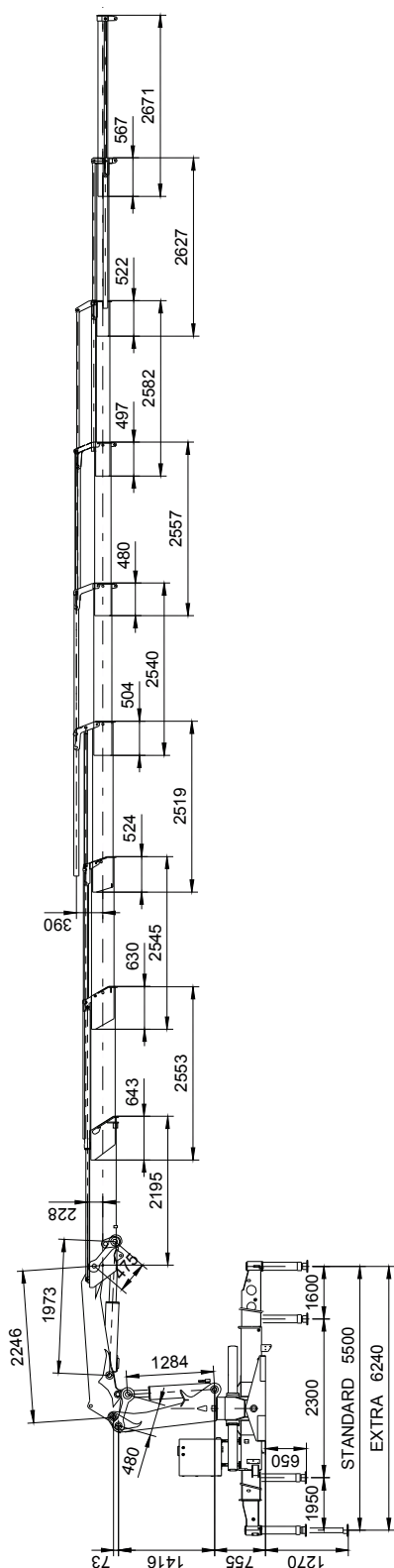
DIAGRAMMA PORTATE LOAD DIAGRAM 924 6SJ2



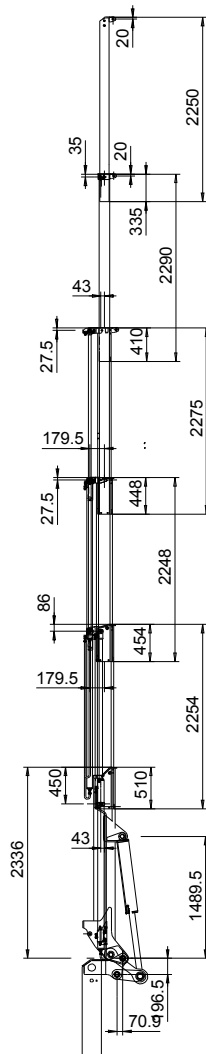
*** PORTATA MASSIMA JIB

*** MAX. LIFTING CAPACITY OF FLYING JIB

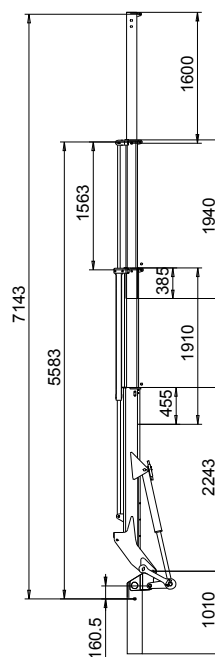
DIMENSIONALE - COLONNA - BRACCI - JIB COLUMN - BOOM - JIB DIMENSION



JIB PER 924 4S
(JIB FOR 924 4S)



JIB PER 924 6S
(JIB FOR 924 6S)



DIMENSIONI MARTINETTI E PERNI CYLINDERS AND PINS DIMENSIONS

CILINDRO DI SOLLEVAMENTO LIFTING CYLINDER

Alesaggio - Cylinder bore	170
Diametro esterno - Cyl. ext. diameter	195
Diametro stelo - Rod diameter	100 - 48
Interasse aperto - Pitch (open)	1746.5
Interasse chiuso - Pitch (closed)	1058.5
Corsa - Stroke	688
Raccordi - Fittings	7/8" - 14
Ø perni articolazione - Artic. pin Ø	60
Materiale perno/i - Pin steel	39NiCrMo3 BNF

CILINDRO DI ARTICOLAZIONE ARTICULATION CYLINDER

Alesaggio - Cylinder bore	170
Diametro esterno - Cyl. ext. diameter	195
Diametro stelo - Rod diameter	100 - 48
Interasse aperto - Pitch (open)	1973
Interasse chiuso - Pitch (closed)	1172
Corsa - Stroke	801
Raccordi - Fittings	7/8" - 14
Ø perno fissaggio - Fixing pin Ø	60
Mat. perno/i - Pin steel	39NiCrMo3 BNF

CILINDRO 1° SFILO 1ST EXTENSION CYL.

Alesaggio - Cylinder bore	70
Diametro esterno - Cyl. ext. diameter	80
Diametro stelo - Rod diameter	50 - 0
Interasse aperto - Pitch (open)	4014
Interasse chiuso - Pitch (closed)	2144
Corsa - Stroke	1870
Raccordi - Fittings	7/8" - 14
Ø perni articolazione - Artic. pin Ø	25
Materiale perno/i - Pin steel	39NiCrMo3 BNF

CILINDRO 2° SFILO 2ND EXTENSION CYL.

Alesaggio - Cylinder bore	70
Diametro esterno - Cyl. ext. diameter	80
Diametro stelo - Rod diameter	45 - 30
Interasse aperto - Pitch (open)	2009
Interasse chiuso - Pitch (closed)	139
Corsa - Stroke	1870
Raccordi - Fittings	7/8" - 14
Ø perno fissaggio - Fixing pin Ø	25
Mat. perno/i - Pin steel	39NiCrMo3 BNF

CILINDRO 3° 4° SFILO 3RD 4TH EXTENSION CYL.

Alesaggio - Cylinder bore	65
Diametro esterno - Cyl. ext. diameter	75
Diametro stelo - Rod diameter	40 - 25
Interasse aperto - Pitch (open)	2094.5
Interasse chiuso - Pitch (closed)	144.5
Corsa - Stroke	1950
Raccordi - Fittings	7/8" - 14
Ø perni articolazione - Artic. pin Ø	25
Materiale perno/i - Pin steel	39NiCrMo3 BNF

CILINDRO 5° 6° 7° SFILO 5TH 6TH 7TH EXTENSION CYL.

Alesaggio - Cylinder bore	60
Diametro esterno - Cyl. ext. diameter	70
Diametro stelo - Rod diameter	35 - 25
Interasse aperto - Pitch (open)	2104
Interasse chiuso - Pitch (closed)	104
Corsa - Stroke	2000
Raccordi - Fittings	7/8" - 14
Ø perno fissaggio - Fixing pin Ø	25
Mat. perno/i - Pin steel	39NiCrMo3 BNF

CILINDRO 8° SFILO 8TH EXTENSION CYL.

Alesaggio - Cylinder bore	60
Diametro esterno - Cyl. ext. diameter	70
Diametro stelo - Rod diameter	30 - 0
Interasse aperto - Pitch (open)	2100
Interasse chiuso - Pitch (closed)	100
Corsa - Stroke	2000
Raccordi - Fittings	7/8" - 14
Ø perni articolazione - Artic. pin Ø	25
Materiale perno/i - Pin steel	39NiCrMo3 BNF

CILINDRO DI ROTAZIONE ROTATION CYLINDER

Alesaggio - Cylinder bore	120
Diametro esterno - Cyl. ext. diameter	133
Diametro stelo - Rod diameter	-
Interasse aperto - Pitch (open)	-
Interasse chiuso - Pitch (closed)	-
Corsa - Stroke	675
Raccordi - Fittings	-
Ø perni articolazione - Artic. pin Ø	-
Materiale perno/i - Pin steel	-

DIMENSIONI MARTINETTI E PERNI

CYLINDERS AND PINS DIMENSIONS

JIB PER 924 4S (JIB FOR 924 4S)

CILINDRO ARTICOLAZIONE JIB JIB ARTICULATION CYLINDER

Alesaggio - Cylinder bore	125
Diametro esterno - Cyl. ext. diameter	145
Diametro stelo - Rod diameter	70 - 0
Interasse aperto - Wheelbase (open)	1903
Interasse chiuso - Wheelbase (closed)	1200
Corsa - Stroke	703
Ø perni articolazione - Artic. pin Ø	60 - 45
Materiale perno/i - Pin steel	39NiCrMo3 BNF - C45

CILINDRO 1° SFILO 1ST EXTENSION CYL.

Alesaggio - Cylinder bore	65
Diametro esterno - Cyl. ext. diameter	75
Diametro stelo - Rod diameter	40 - 25
Interasse aperto - Wheelbase (open)	2180
Interasse chiuso - Wheelbase (closed)	408
Corsa - Stroke	1700
Ø perni articolazione - Artic. pin Ø	25
Materiale perno/i - Pin steel	C45

CILINDRO 2° 3° SFILO 2ND 3RD EXTENSION CYL.

Alesaggio - Cylinder bore	60
Diametro esterno - Cyl. ext. diameter	70
Diametro stelo - Rod diameter	35 - 25
Interasse aperto - Wheelbase (open)	1854
Interasse chiuso - Wheelbase (closed)	104
Corsa - Stroke	1750
Ø perni articolazione - Artic. pin Ø	25
Materiale perno/i - Pin steel	C40

JIB PER 924 6S (JIB FOR 924 6S)

CILINDRO ARTICOLAZIONE JIB JIB ARTICULATION CYLINDER

Alesaggio - Cylinder bore	80
Diametro esterno - Cyl. ext. diameter	90
Diametro stelo - Rod diameter	50 - 0
Interasse aperto - Wheelbase (open)	1427
Interasse chiuso - Wheelbase (closed)	842
Corsa - Stroke	585
Ø perni articolazione - Artic. pin Ø	45 - 30
Materiale perno/i - Pin steel	39NiCrMo3 BNF

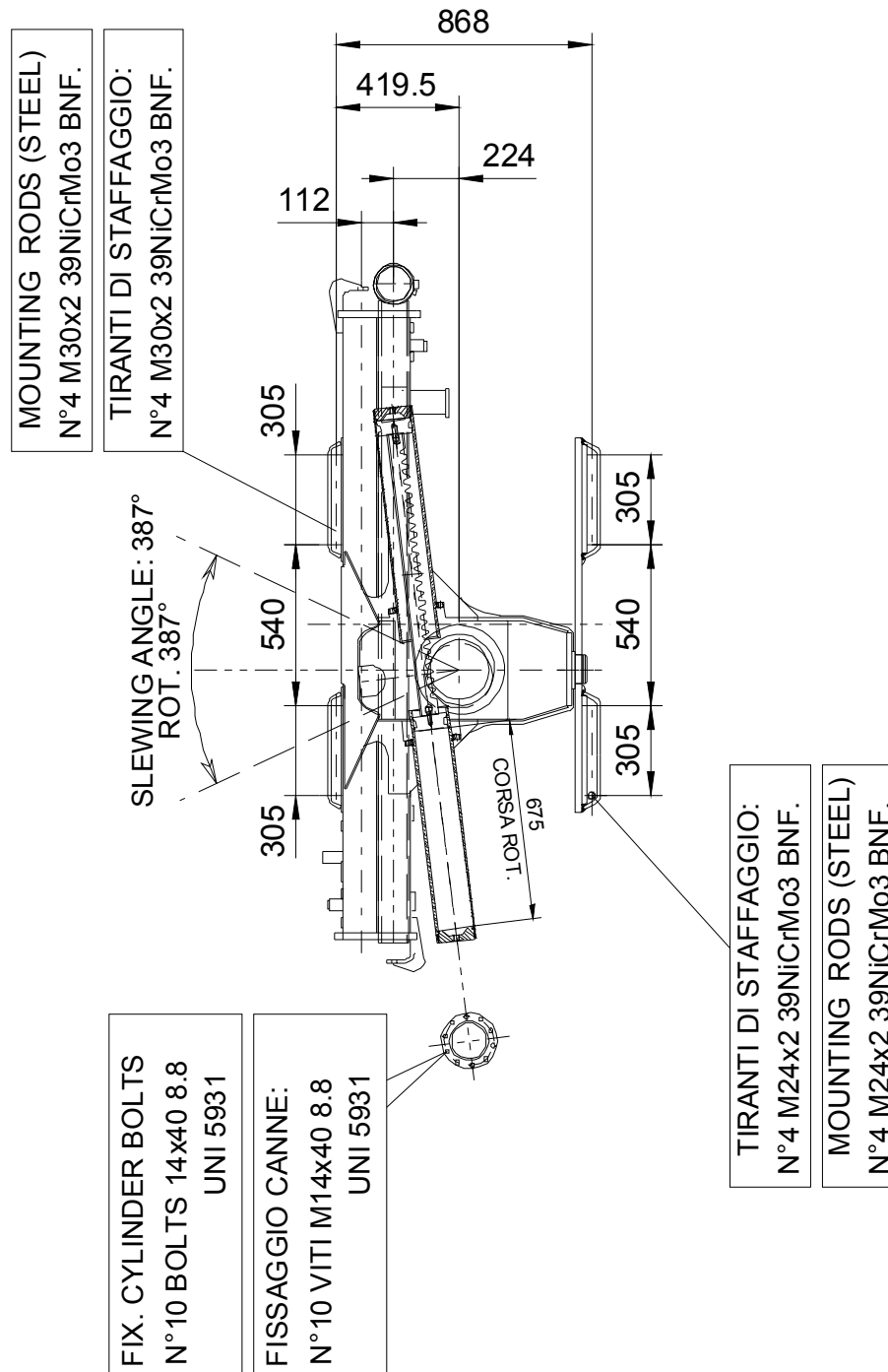
CILINDRO 1° SFILO 1ST EXTENSION CYL.

Alesaggio - Cylinder bore	55
Diametro esterno - Cyl. ext. diameter	65
Diametro stelo - Rod diameter	40 - 0
Interasse aperto - Wheelbase (open)	2997
Interasse chiuso - Wheelbase (closed)	1617
Corsa - Stroke	1380
Ø perni articolazione - Artic. pin Ø	30
Materiale perno/i - Pin steel	C45 Norm.

CILINDRO 2° 2ND EXTENSION CYL.

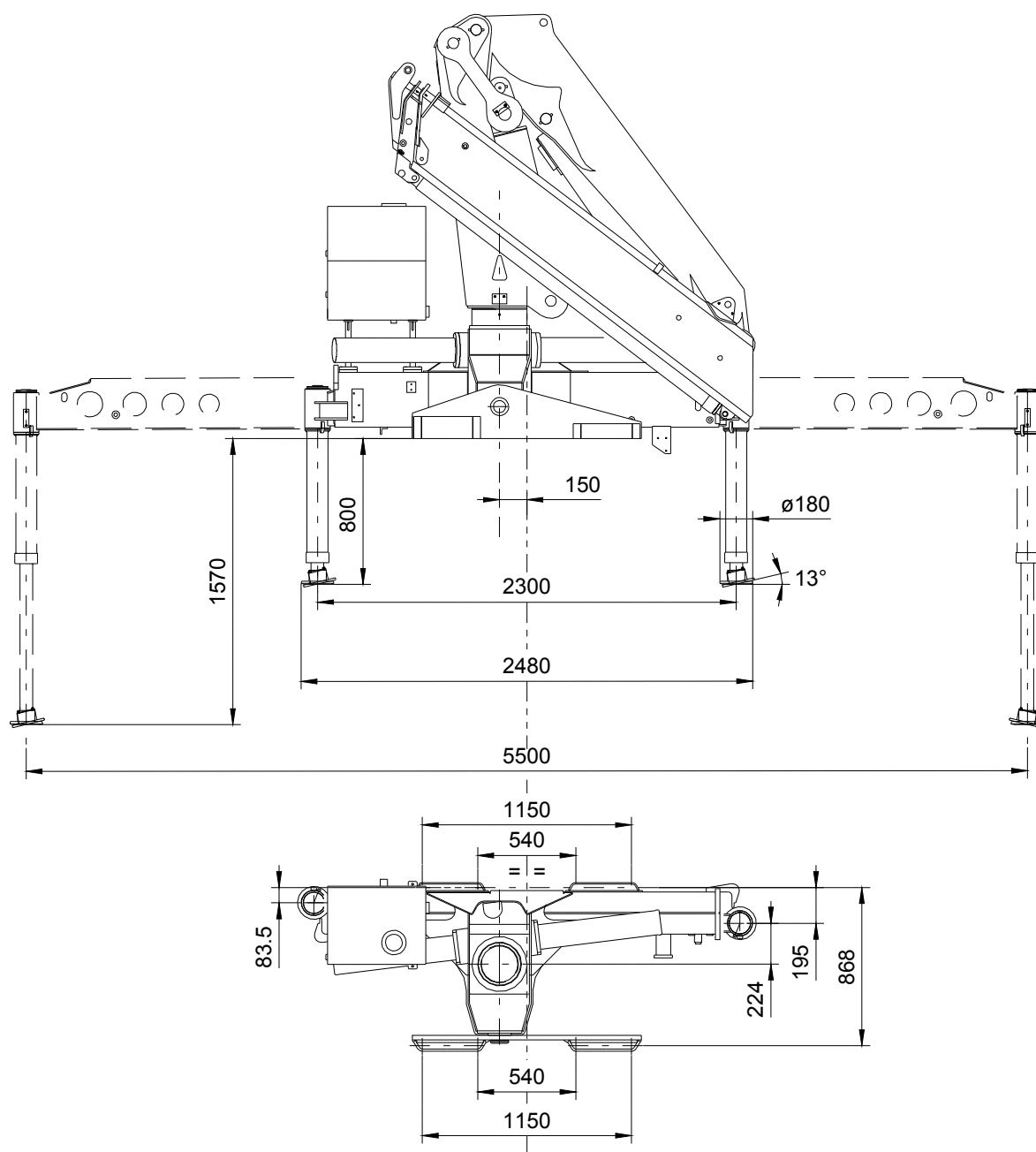
Alesaggio - Cylinder bore	50
Diametro esterno - Cyl. ext. diameter	60
Diametro stelo - Rod diameter	30 - 0
Interasse aperto - Wheelbase (open)	1568
Interasse chiuso - Wheelbase (closed)	88
Corsa - Stroke	1480
Ø perni articolazione - Artic. pin Ø	20
Materiale perno/i - Pin steel	39NiCrMo3 BNF

DIMENSIONI BASAMENTO, TIRANTI E VITI ROTAZIONE BASE DIMENSIONS, TIE RODS & ROTATION SCREWS

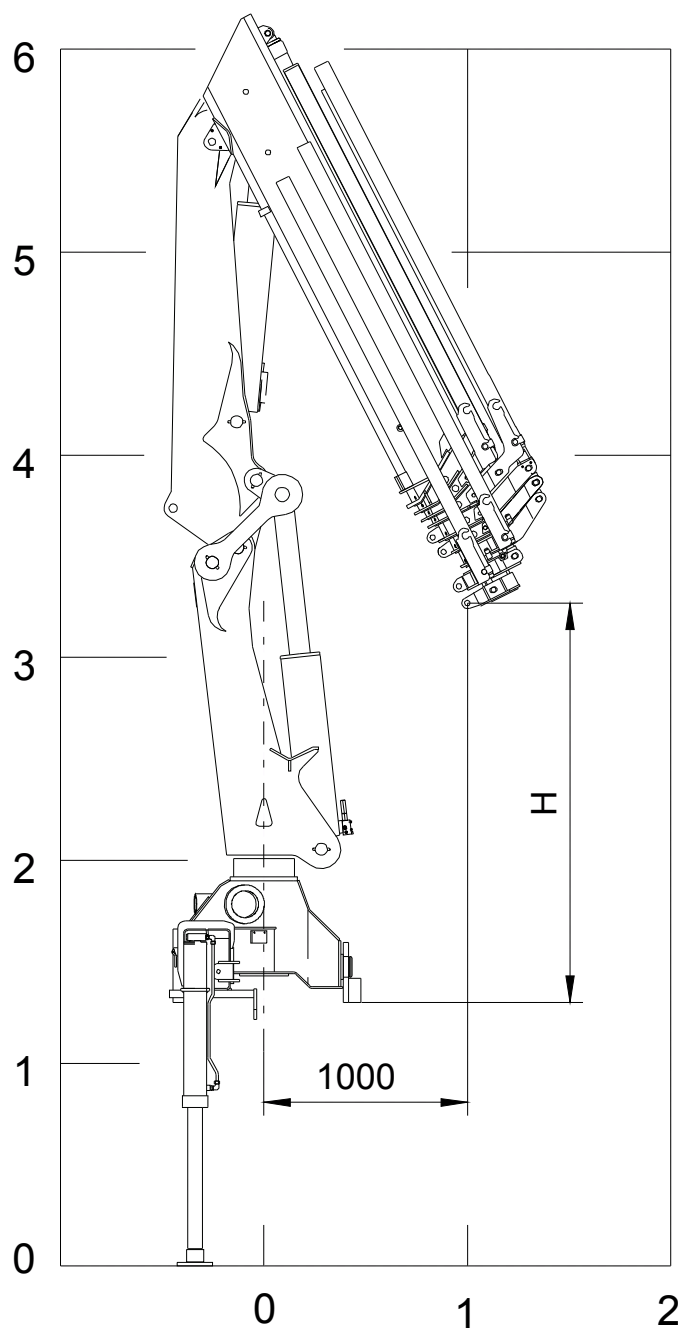


Viti fissaggio 1 canna di rotazione Fixing bolts for 1 rotation cylinder	N°10 M14x40 8.8 UNI 5931 Coppia di serraggio (<i>Tightening torque</i>) 80 Nm
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DIMENSIONI BASAMENTO CON STABILIZZATORI SCORREVOLI LUNGI BASE DIMENSIONS WITH LONG STABILIZERS

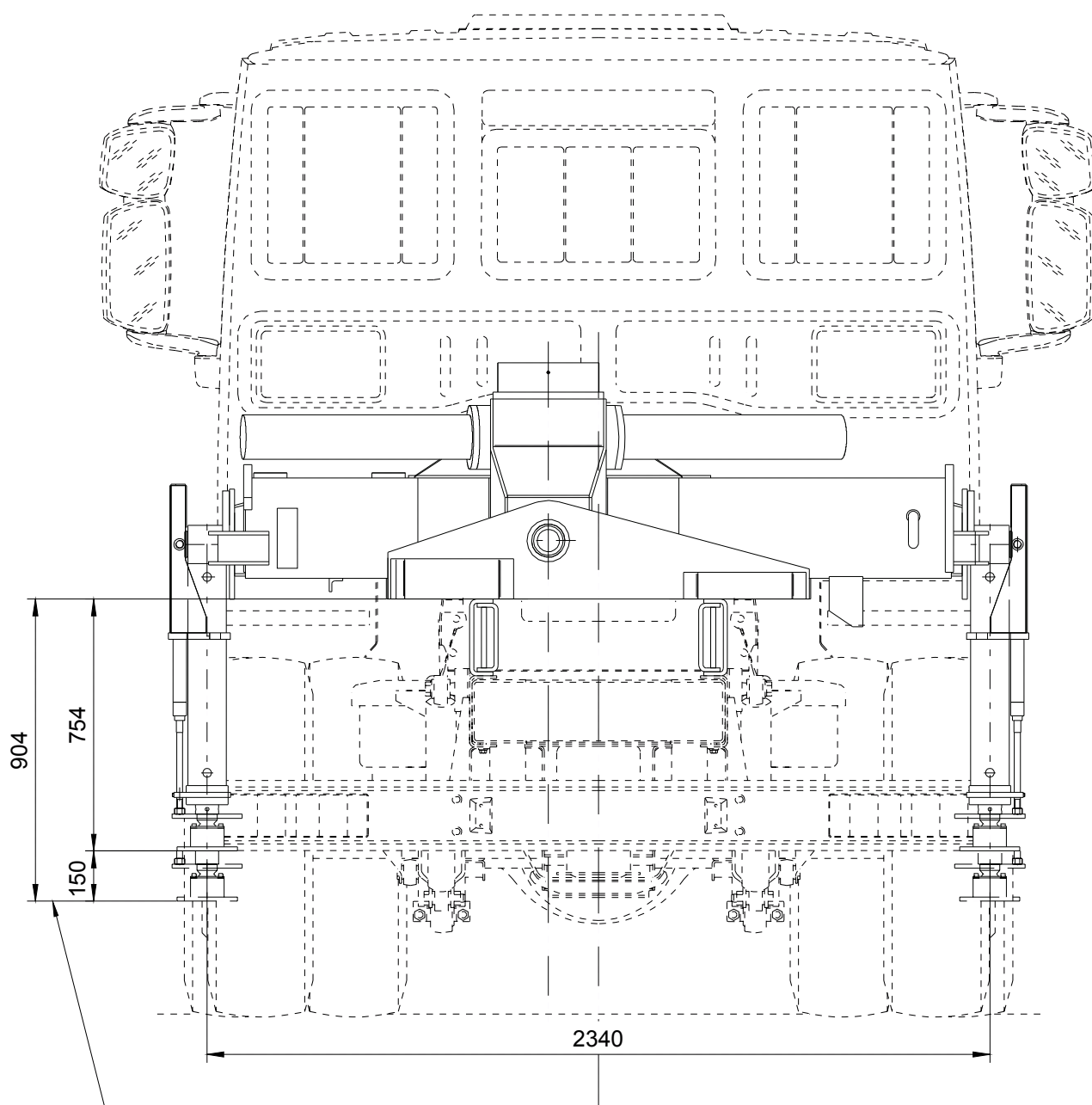


ALTEZZA ATTACCO GANCIO HOOK HEIGHT



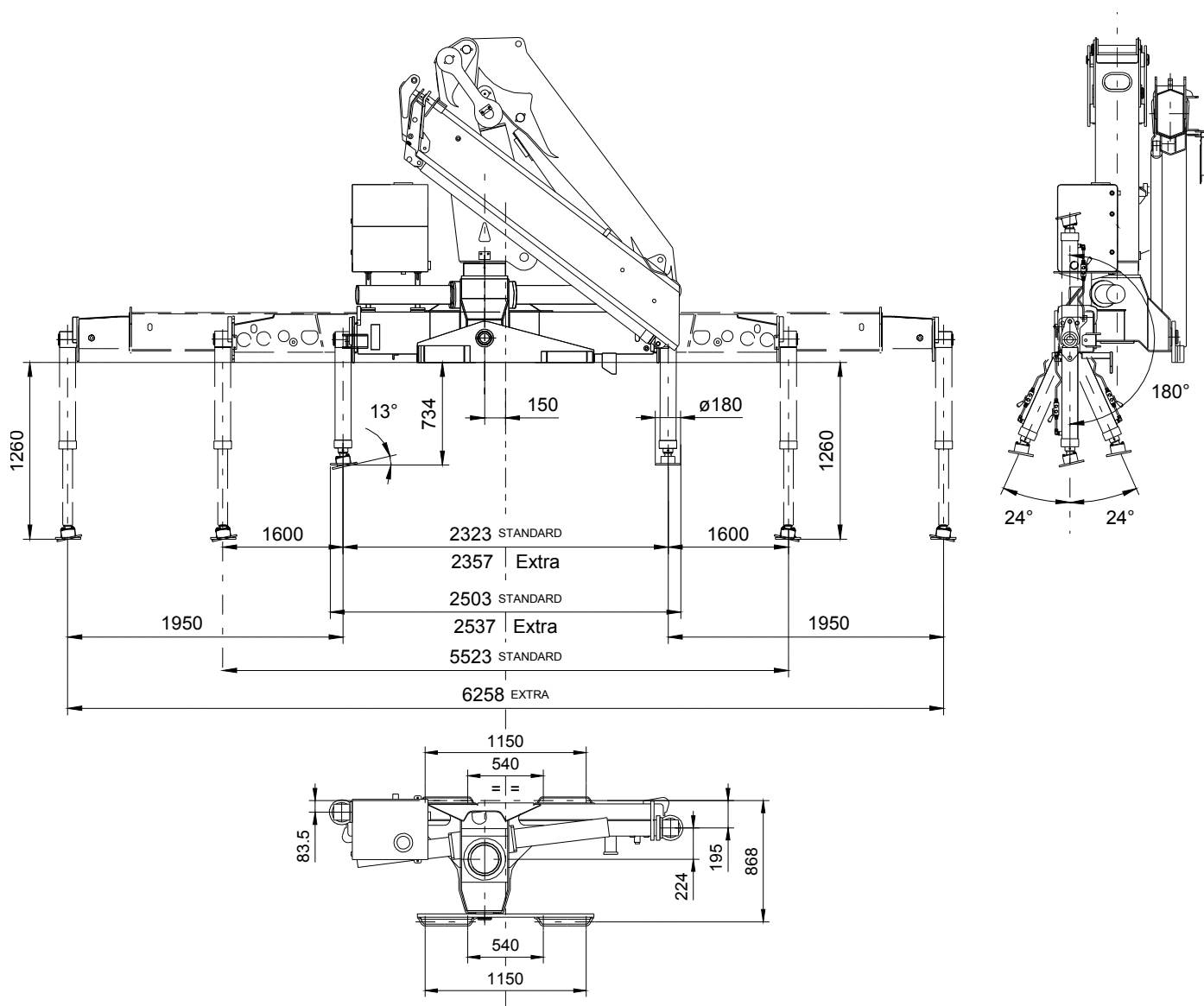
1S:	2480mm
2S:	2390mm
3S:	2355mm
4S:	2370mm
5S:	2275mm
6S:	2185mm
7S:	2070mm
8S:	1970mm

DIMENSIONI BASAMENTO CON STABILIZZATORI ROTANTI AUTOMATICI
DIMENSIONS BASE WITH TILTING AUTOMATIC STABILIZERS

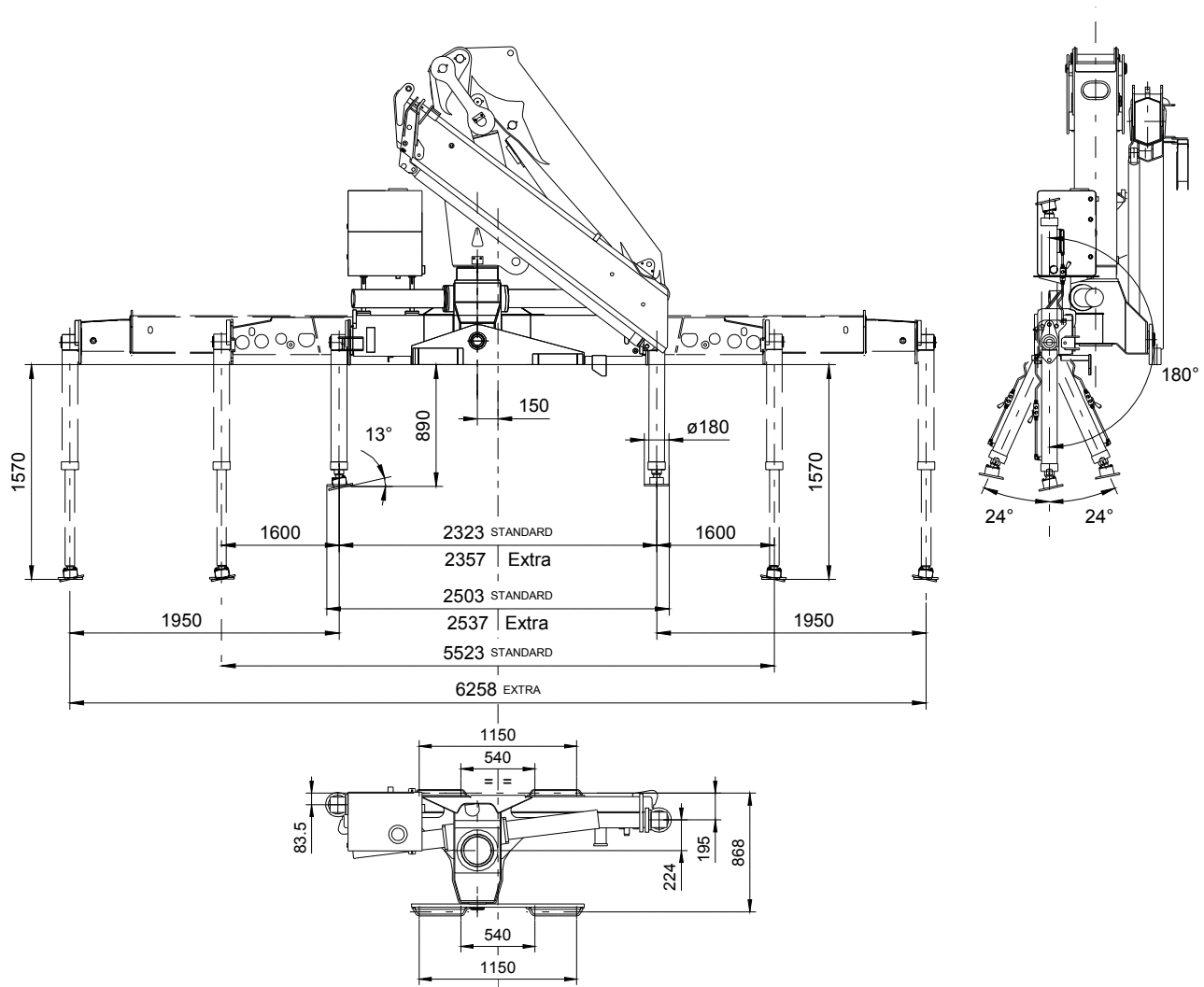


QUOTA MINIMA DI FUNZIONAMENTO
MINIMUM WORKING DIMENSION

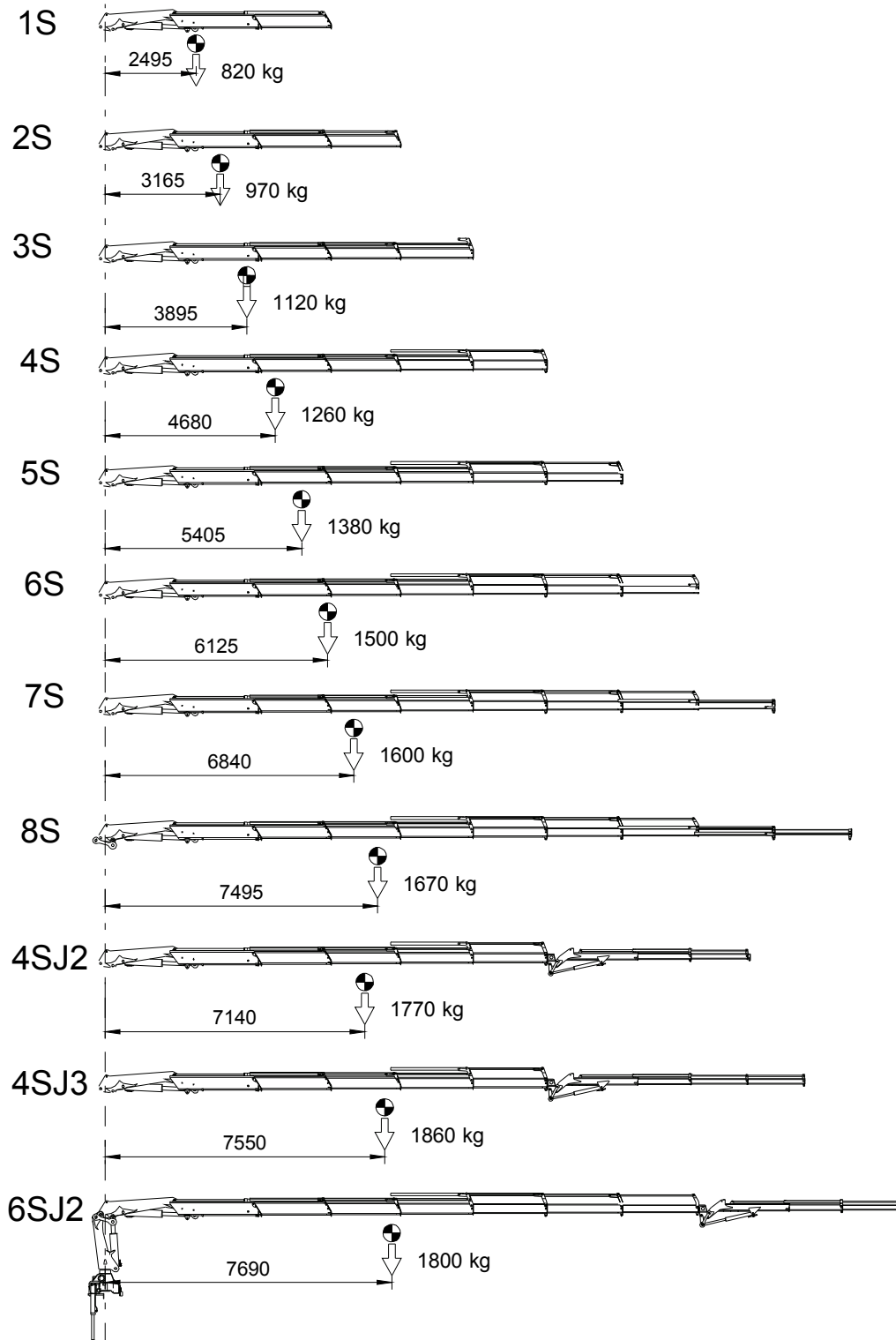
DIMENSIONI BASAMENTO CON STABILIZZATORI GIREVOLI STANDARD BASE DIMENSIONS WITH TILTING STANDARD STABILIZERS



DIMENSIONI BASAMENTO CON STABILIZZATORI GIREVOLI LUNGH BASE DIMENSIONS WITH TILTING LONG STABILIZERS



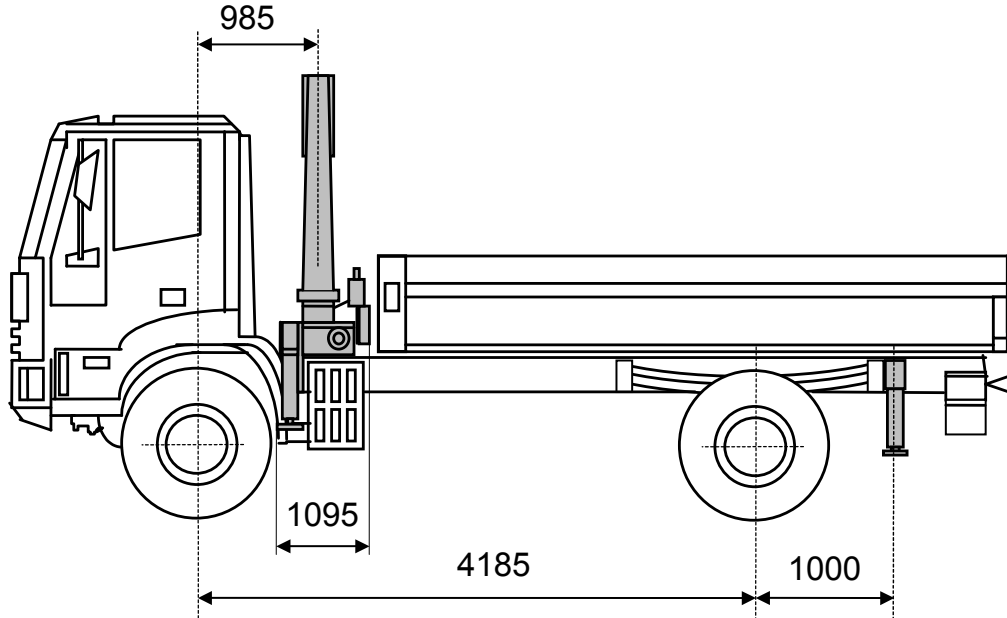
PESI – BARICENTRI
WEIGHTS – CENTER OF GRAVITY



	Stand.	EX
Massa parti fisse (kg) Fixed parts weights	1750	1820

AUTOCARRO MINIMO CON STABILIZZATORI SUPPLEMENTARI

MIN TRUCK WITH SUPPLEMENTARY STABILIZERS



PTT (GVW) = 170 q

DATI AUTOCARRO A VUOTO

Asse anteriore

Tara asse anteriore = 3560 kg

Tara ammissibile asse anteriore = 7500 kg Allowable front axle weight = 7500 kg

Asse posteriore

Tara asse posteriore = 1930 kg

CHASSIS DATA

Front axle

Front axle tare weight = 3560 kg

Front axle allowable weight = 7500 kg

Rear axle

Rear axle tare weight = 1930 kg

PESI ALLESTIMENTO

Massa cassone = 600 kg

Peso gru = 3420 kg (924 7S EX)

Massa controtelaio = 400 kg

OUTFIT WEIGHTS

Body weight = 600 kg

Crane weight = 3420 kg (924 7S EX)

Counterframe weight = 400 kg

Stabilizzatori supplementari

Apertura minima = 3000 mm

Peso stabilizzatori supplementari = 280 kg

Rear beam stabilizers

Min. width = 3000 mm

Rear stabilizer weight = 280 kg

Coefficiente di stabilità = 1,42

Stability index = 1,42

CONTROTELAIO MINIMO MIN COUNTERFRAME

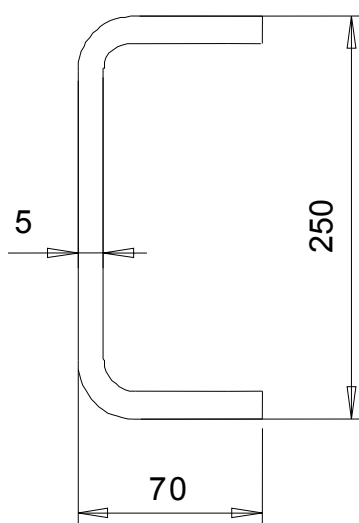
Momento dinamico max (daNm)

Max dynamic moment

26900

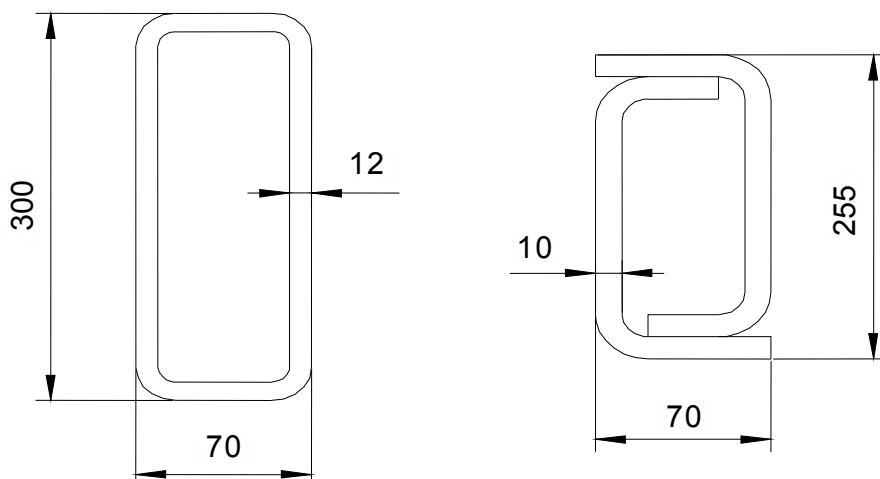
Sezione telaio minima (autocarro PTT=170 q)

Min frame section (truck GVW 17 ton)



Sezione minima contro telaio (materiale Fe510 - S355)

Min counterframe section (steel S355)



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CARATTERISTICHE VERRICELLO IDRAULICO

HYDRAULIC WINCH DATA

GRU CRANE 924 1S - 2S - 3S - 4S - 5S

Max tiro diretto (kg) Max winch direct pull (kg)	1200 kg
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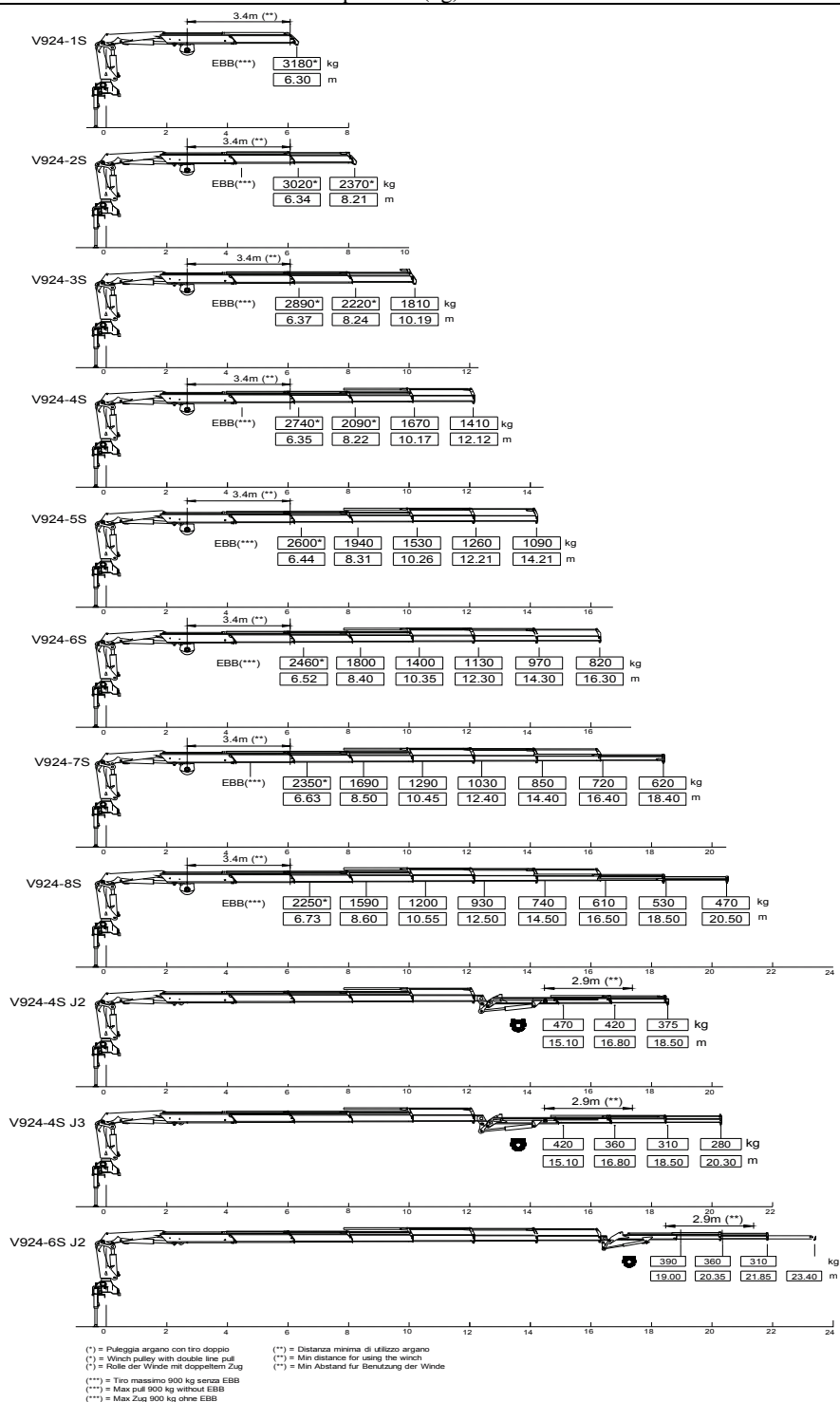
GRU CRANE 924 6S - 7S - 8S

Max tiro diretto (kg) Max winch direct pull (kg)	900 kg
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GRU 924 IN TUTTE LE VERSIONI CON EBB

CRANE 924 FOR ALL VERSION WITH EBB

Max tiro diretto per gru con posizione di lavoro a bracci orizzontali (kg) Max winch direct pull for crane at horizontal boom work position (kg)	2000 kg
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CARATTERISTICHE ACCESSORI BENNA - POLIPO

GRAB - BUCKET DATA

Peso massimo ammissibile Max allowable weight	420 kg
Pressione max. di esercizio Max working pressure	290 bar
Le reali portate della gru si ottengono sottraendo dai carichi indicati nei diagrammi il peso dell'attrezzo The net crane capacities are the one of the load diagrams less the real tool "dead weight"	

