

924C

RACCOLTA TECNICA TECHNICAL BOOK



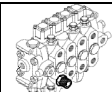
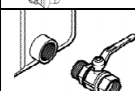
CARATTERISTICHE GENERALI
TECHNICAL DATA

	924C
Momento dinamico max (daNm) Max dynamic moment	25400

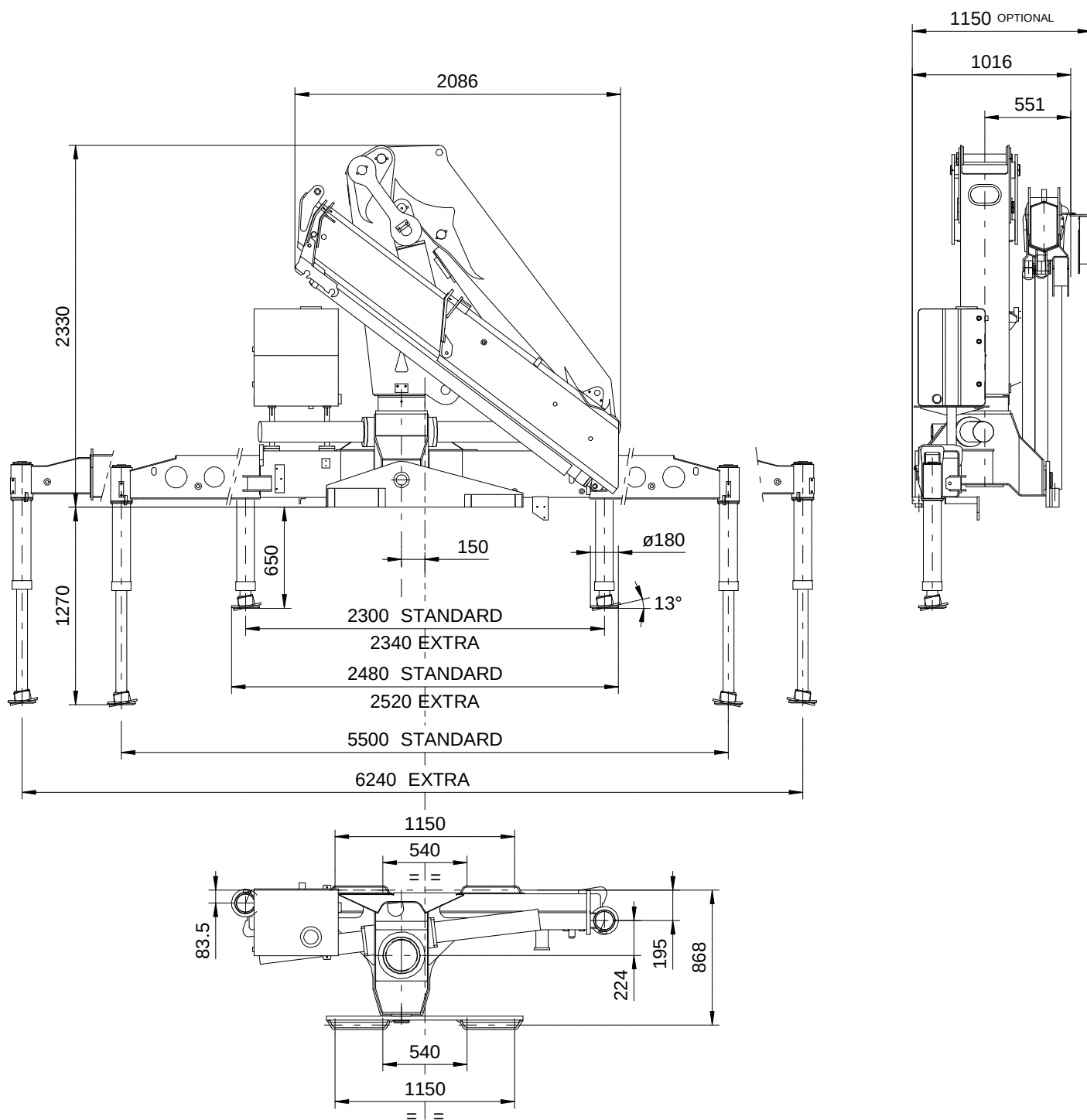
	Versione	924C
Portata max (kg) Max load	2S	8800
	3S	8660
	4S	8445
	5S	8200
	6S	8000

	Versione	Stab. Stand.	Stab. EX
Massa in ordine di lavoro (kg) Crane weight	2S	2650	2720
	3S	2800	2870
	4S	2940	3010
	5S	3060	3130
	6S	3180	3250

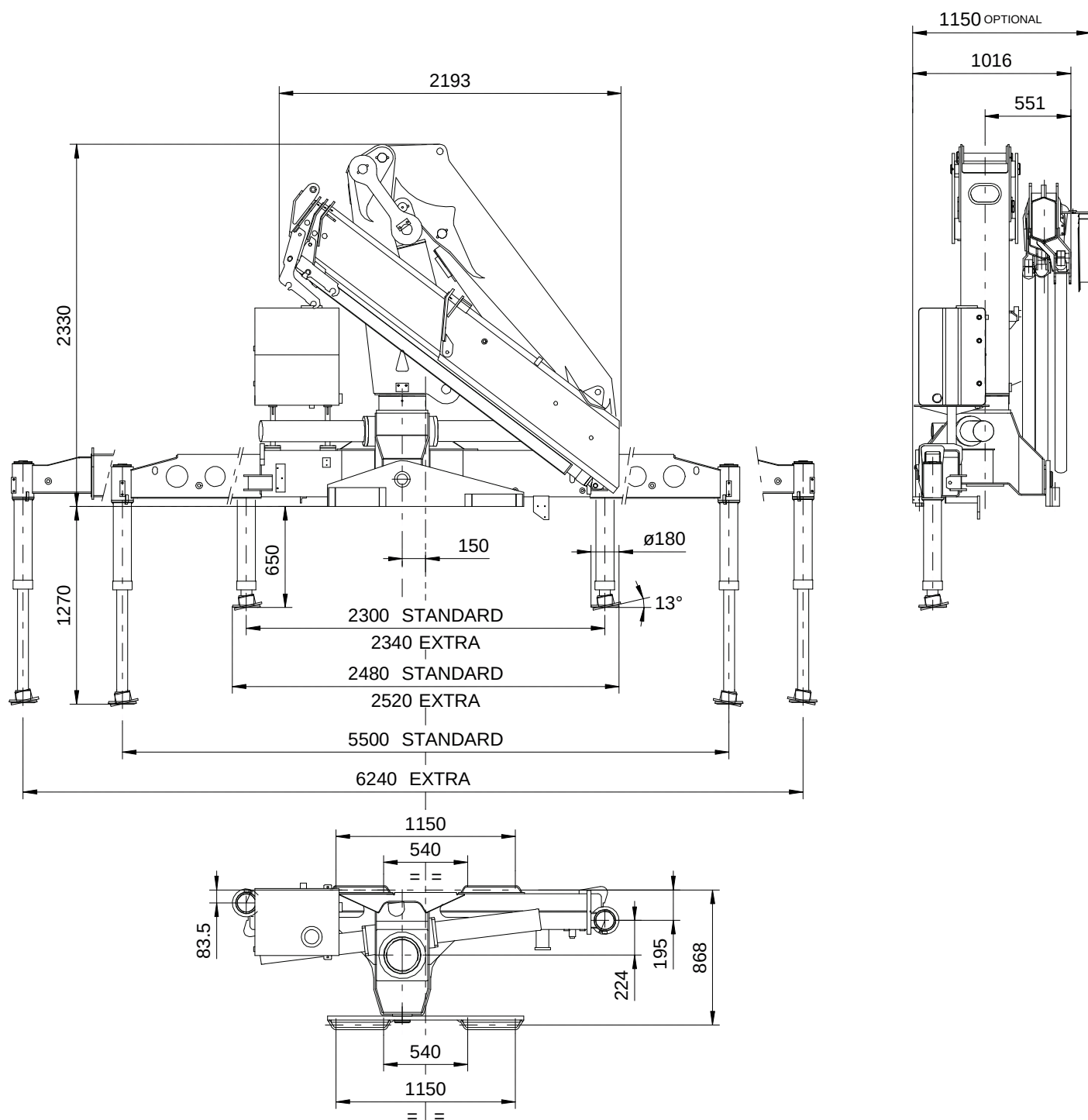
Reazione massima sullo stabilizzatore standard Max force on the standard stabilizer leg	9350 daN
Carico massimo trasmesso al suolo da stabilizzatori standard Max standard stabilizer pressure on the ground	37 daN/cm ²
Pressione massima di esercizio Max working pressure	325 bar
Portata massima di olio Max oil flow to main relief valve	38 dm ³ /min
Capacità serbatoio olio Oil tank capacity	130 dm ³
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

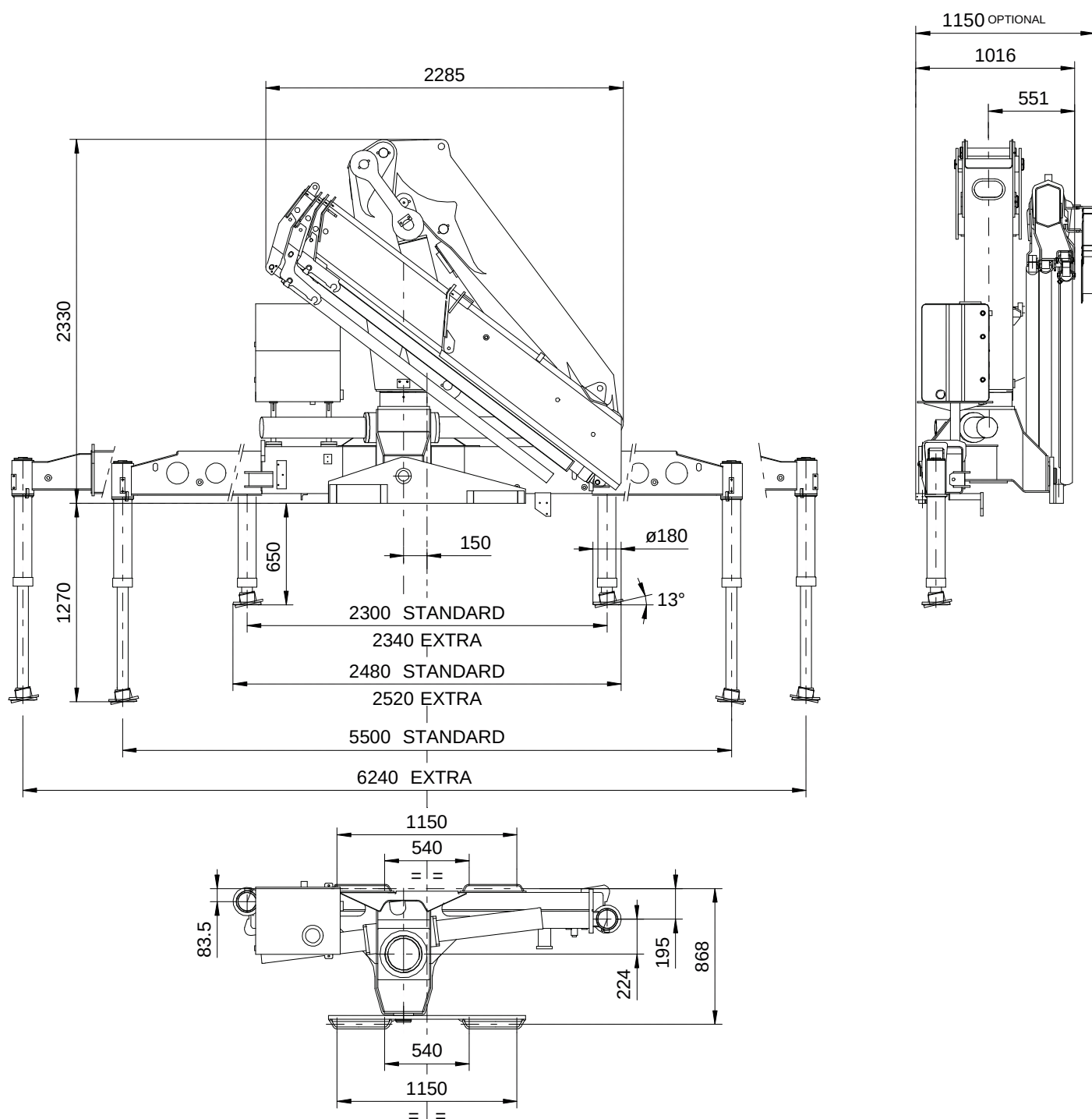
DIMENSIONI DI INGOMBRO DIMENSIONS 924C 2S



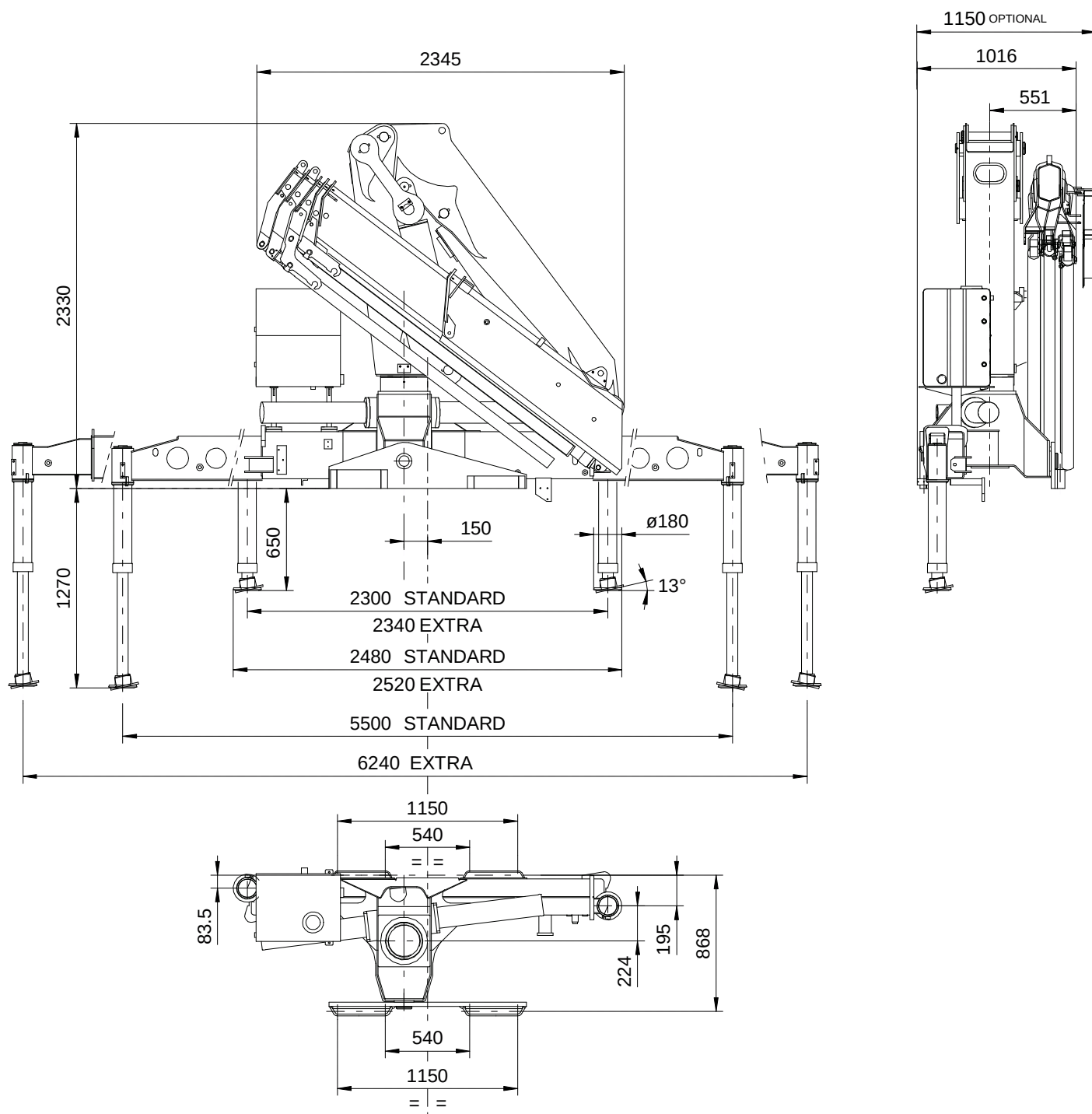
DIMENSIONI DI INGOMBRO DIMENSIONS 924C 3S



DIMENSIONI DI INGOMBRO DIMENSIONS 924C 4S



DIMENSIONI DI INGOMBRO DIMENSIONS 924C 5S



DIMENSIONI DI INGOMBRO DIMENSIONS 924C 6S

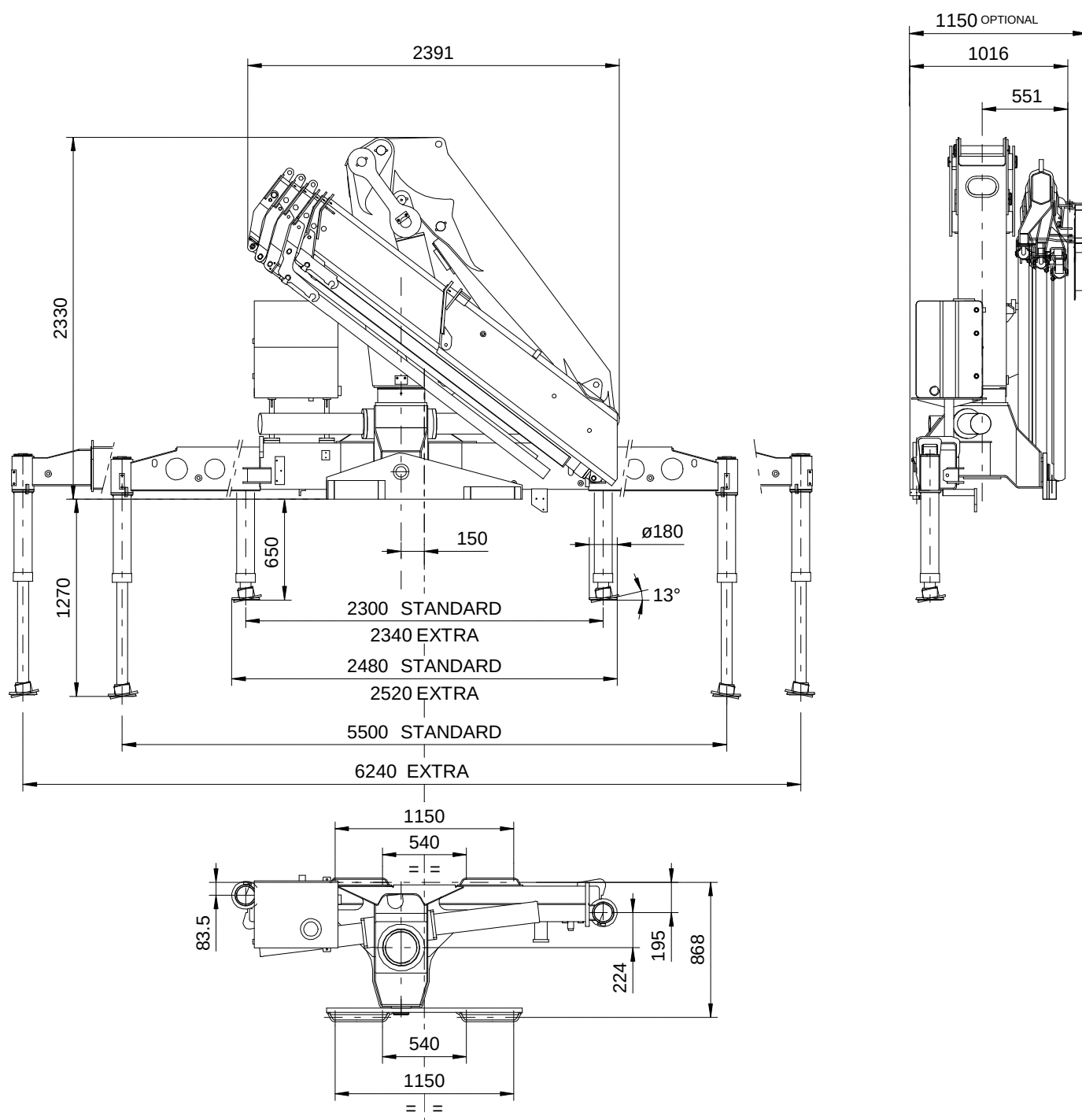


DIAGRAMMA PORTATE LOAD DIAGRAM 924C 2S

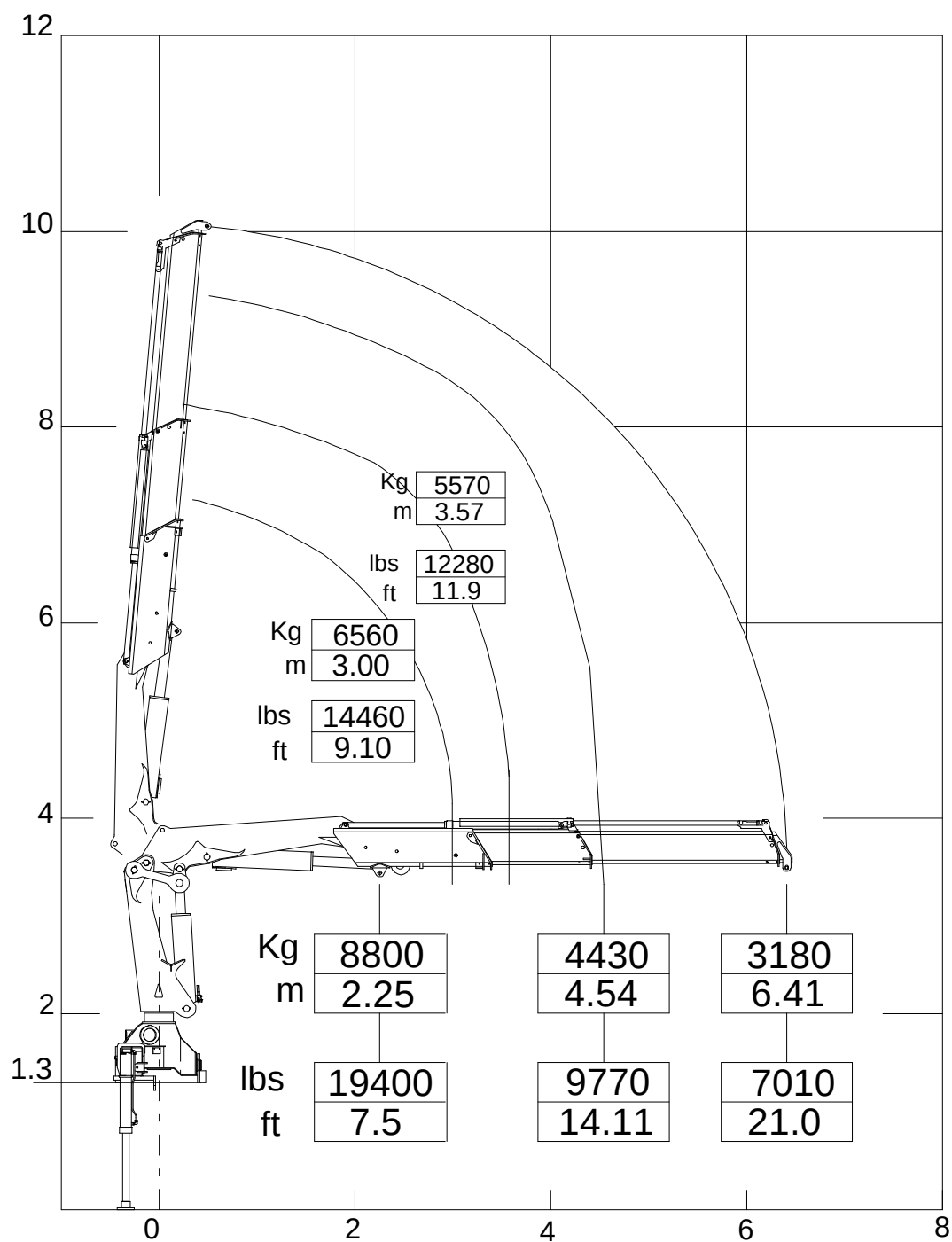


DIAGRAMMA PORTATE LOAD DIAGRAM 924C 3S

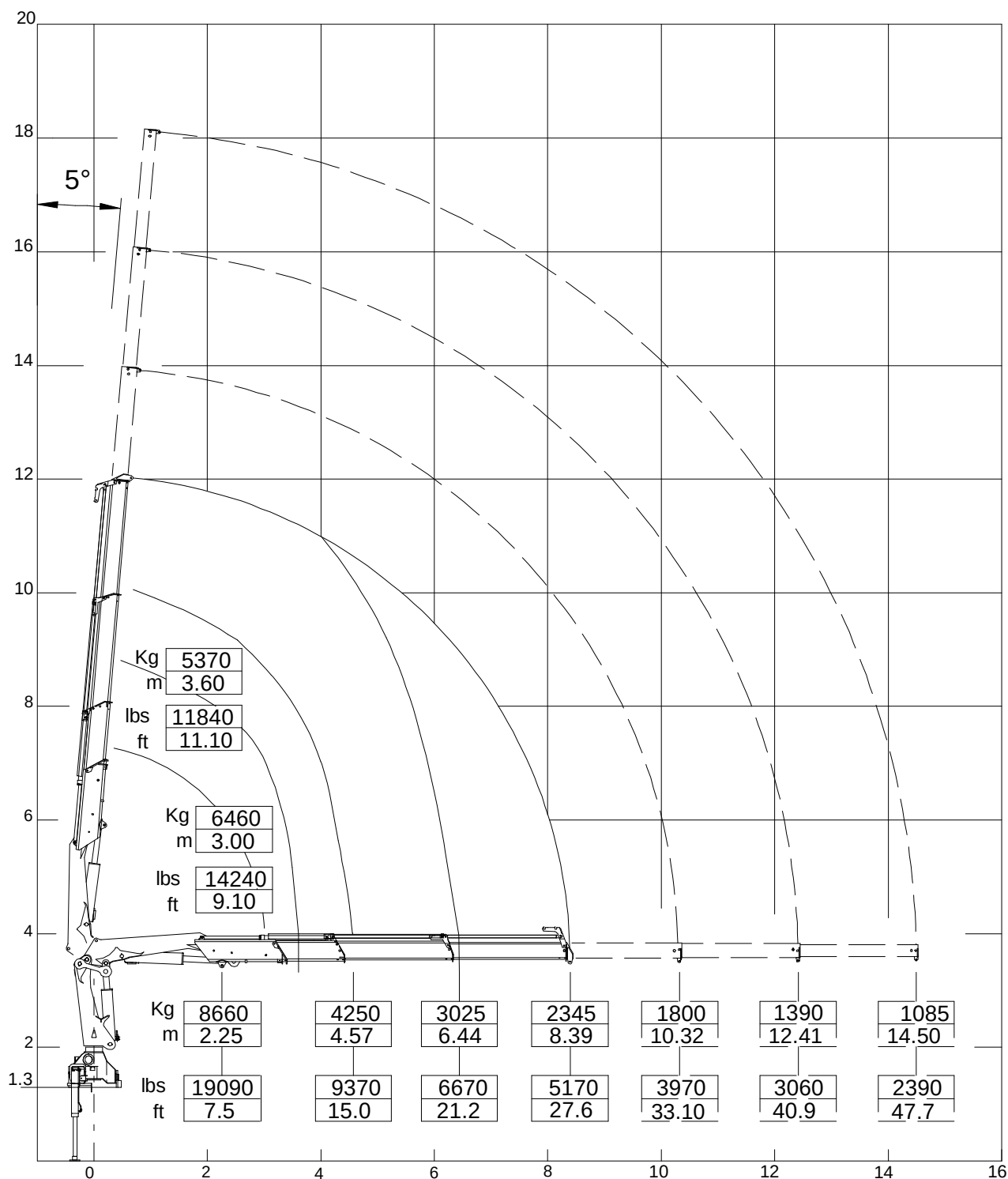


DIAGRAMMA PORTATE LOAD DIAGRAM 924C 4S

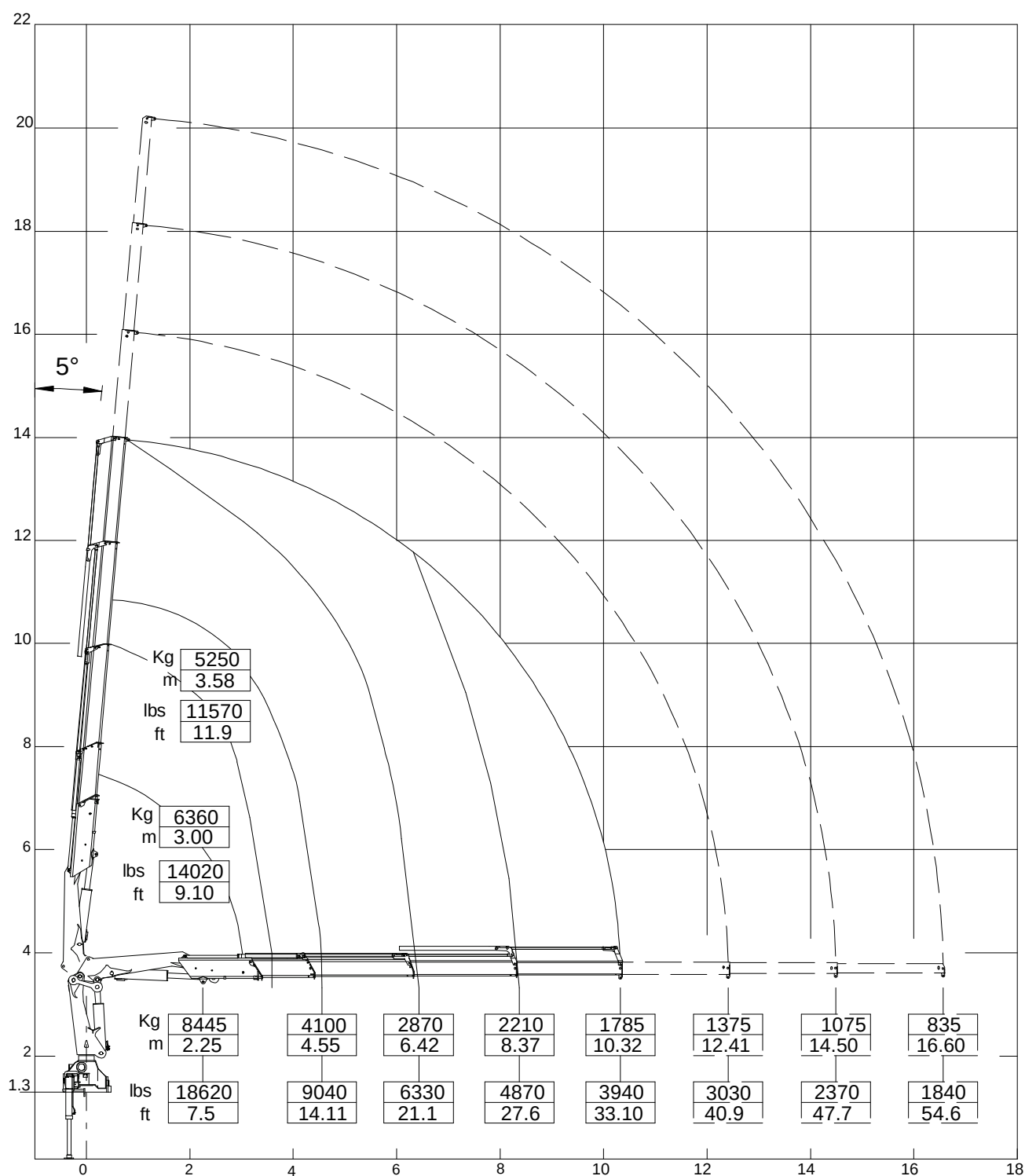


DIAGRAMMA PORTATE LOAD DIAGRAM 924C 5S

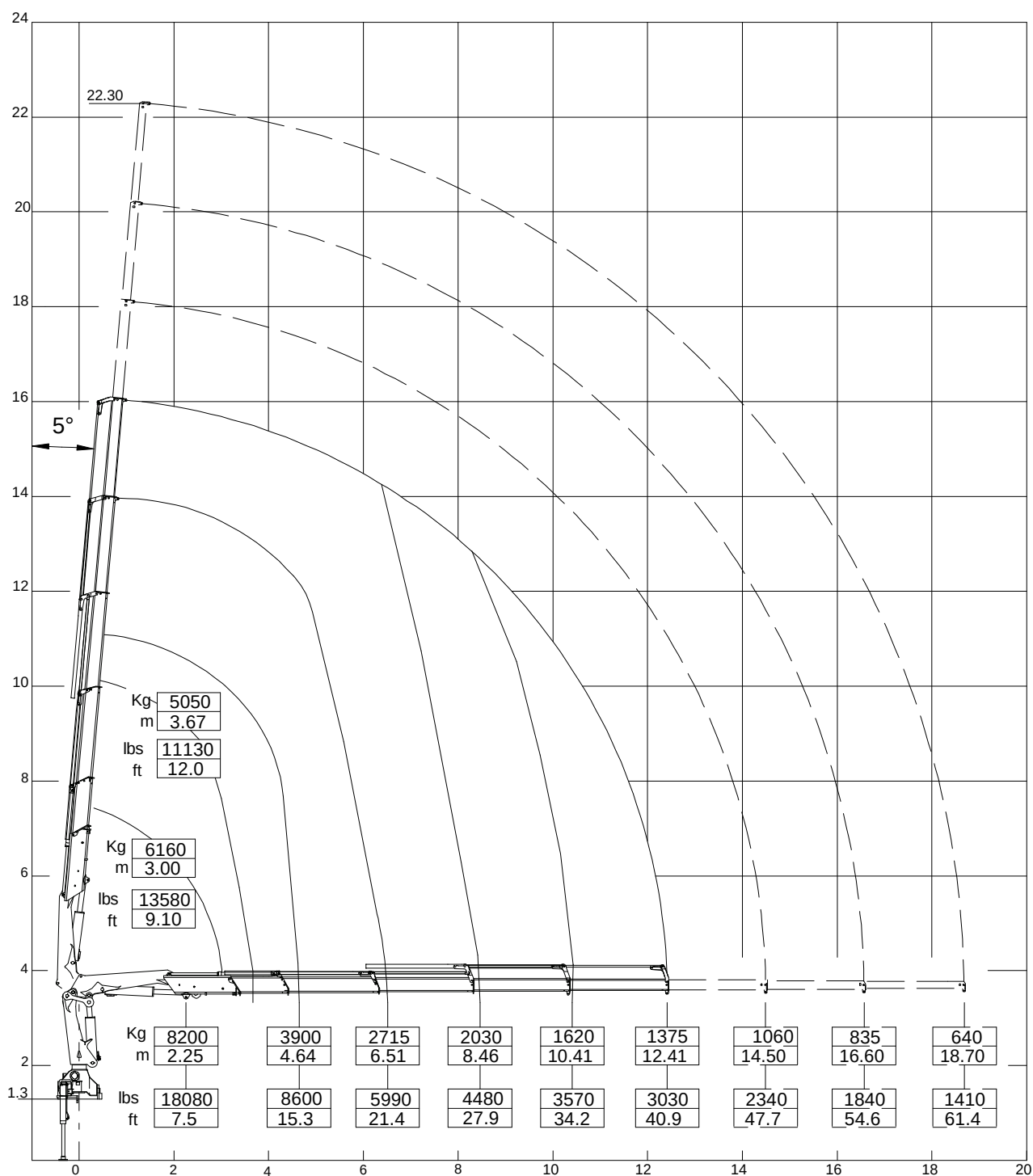
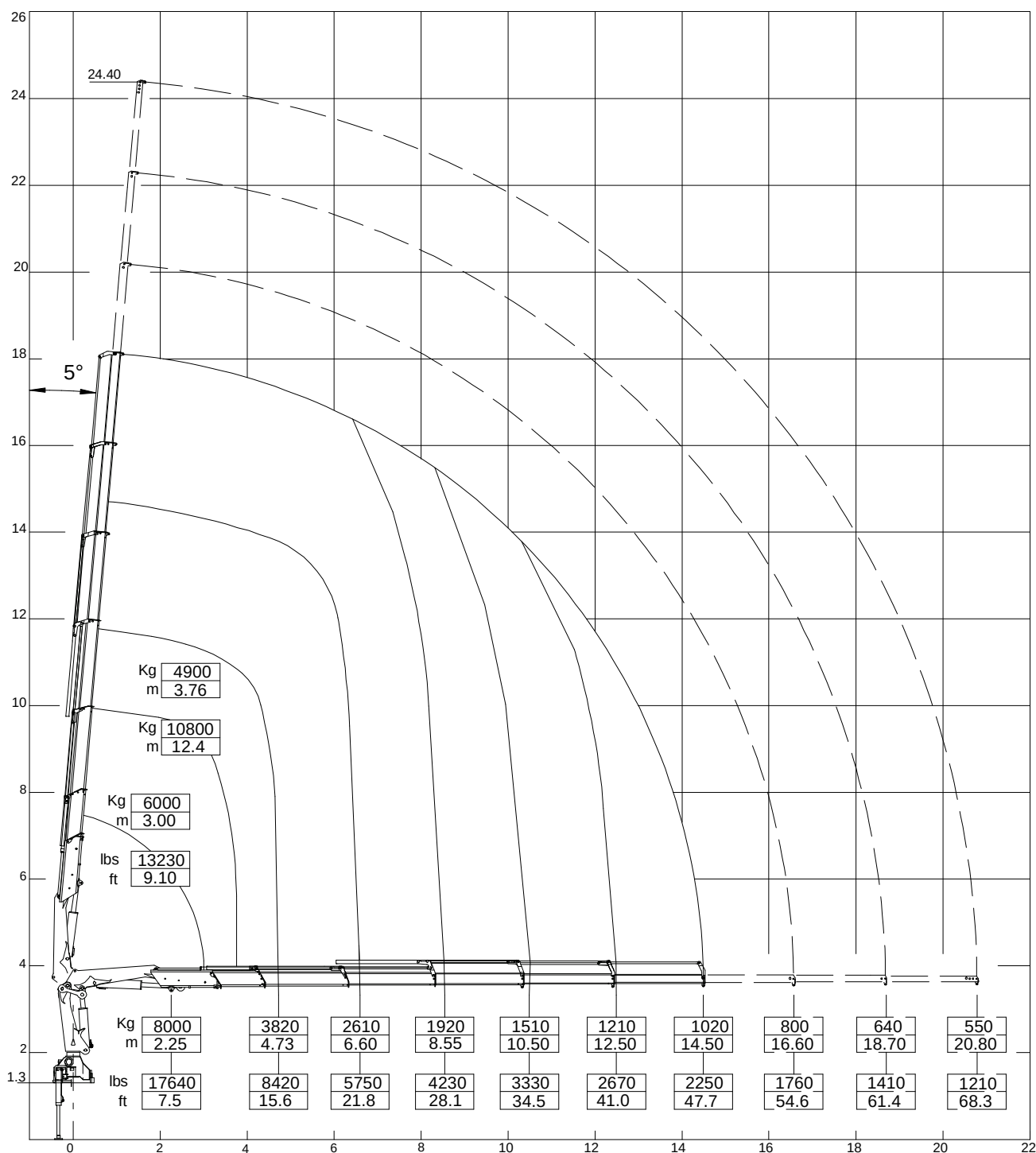
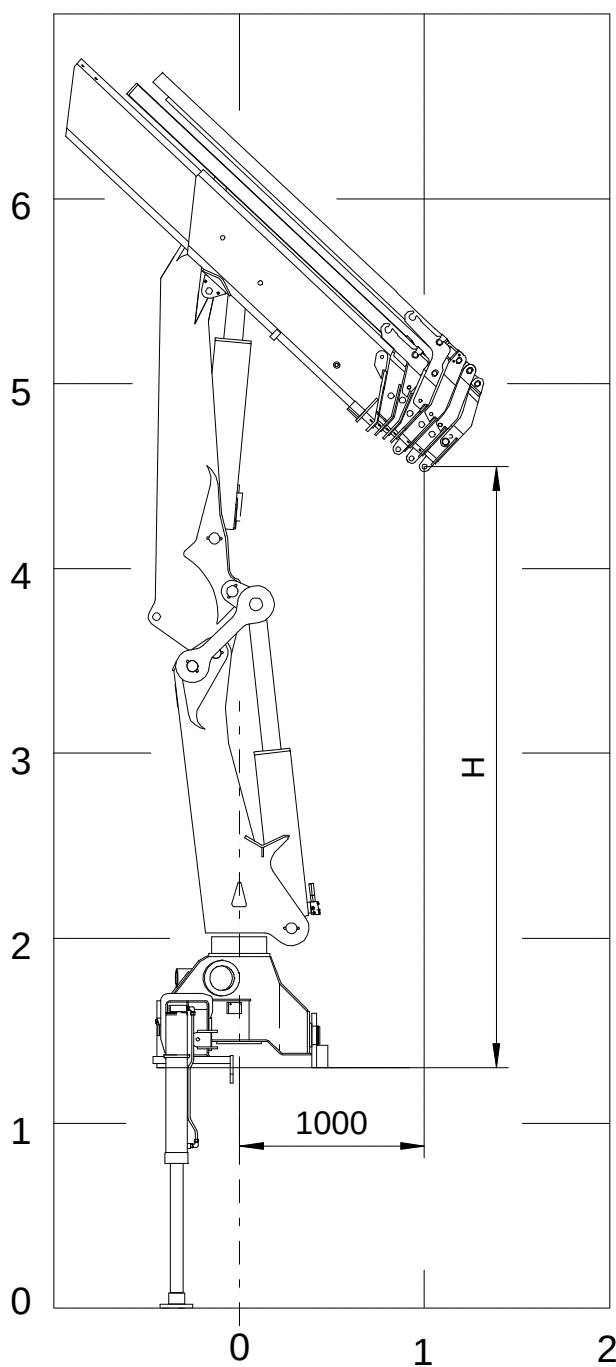


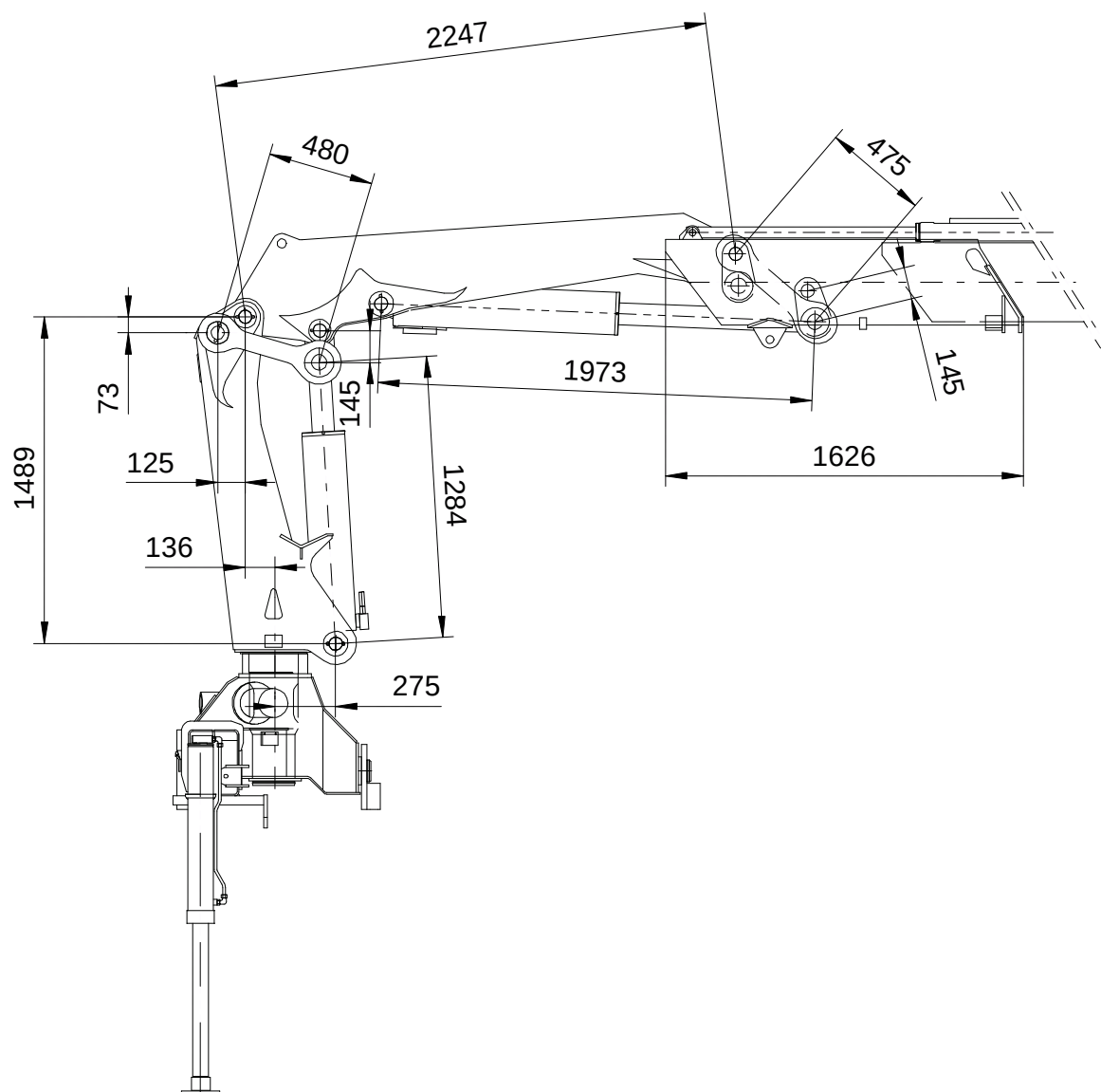
DIAGRAMMA PORTATE LOAD DIAGRAM 924C 6S



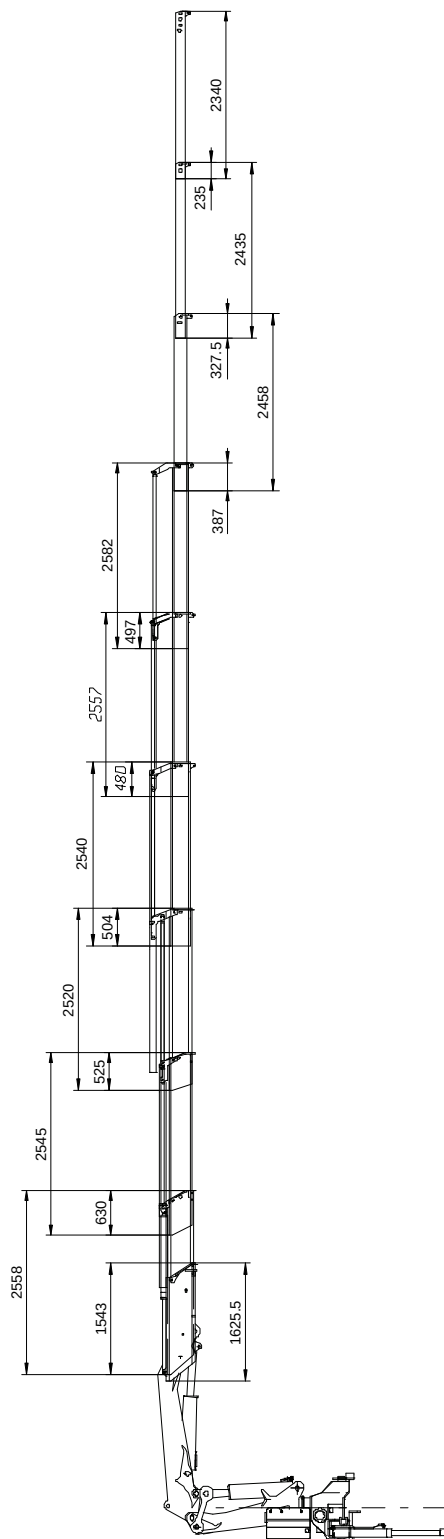
ALTEZZA ATTACCO GANCIO
HOOK HEIGHT

2S: 3500mm
3S: 3460mm
4S: 3480mm
5S: 3360mm
6S: 3250mm

DIMENSIONALE BASAMENTO – COLONNA – 1° 2° BRACCIO **BASE – COLUMN – BOOM – DIMENSION**



DIMENSIONALE BRACCI BOOM DIMENSION



DIMENSIONI CILINDRI E PERNI CYLINDERS AND PINS DIMENSIONS

CILINDRO DI SOLLEVAMENTO LIFTING CYLINDER

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

CILINDRO DI ARTICOLAZIONE ARTICULATION CYLINDER

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

CILINDRO 1° SFILO 1ST EXTENSION CYL.

Alesaggio - <i>Cylinder bore</i>	70
Diametro esterno - <i>Cyl. ext. diameter</i>	80
Diametro stelo - <i>Rod diameter</i>	50 - 0
Interasse aperto - <i>Pitch (open)</i>	2214
Interasse chiuso - <i>Pitch (closed)</i>	1244
Corsa - <i>Stroke</i>	970
Raccordi - <i>Fittings</i>	7/8" - 14
Ø perni articolazione - <i>Artic. pin Ø</i>	25
Materiale perno/i - <i>Pin steel</i>	39NiCrMo3 BNF

CILINDRO 2° SFILO 2ND EXTENSION CYL.

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

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

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

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

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

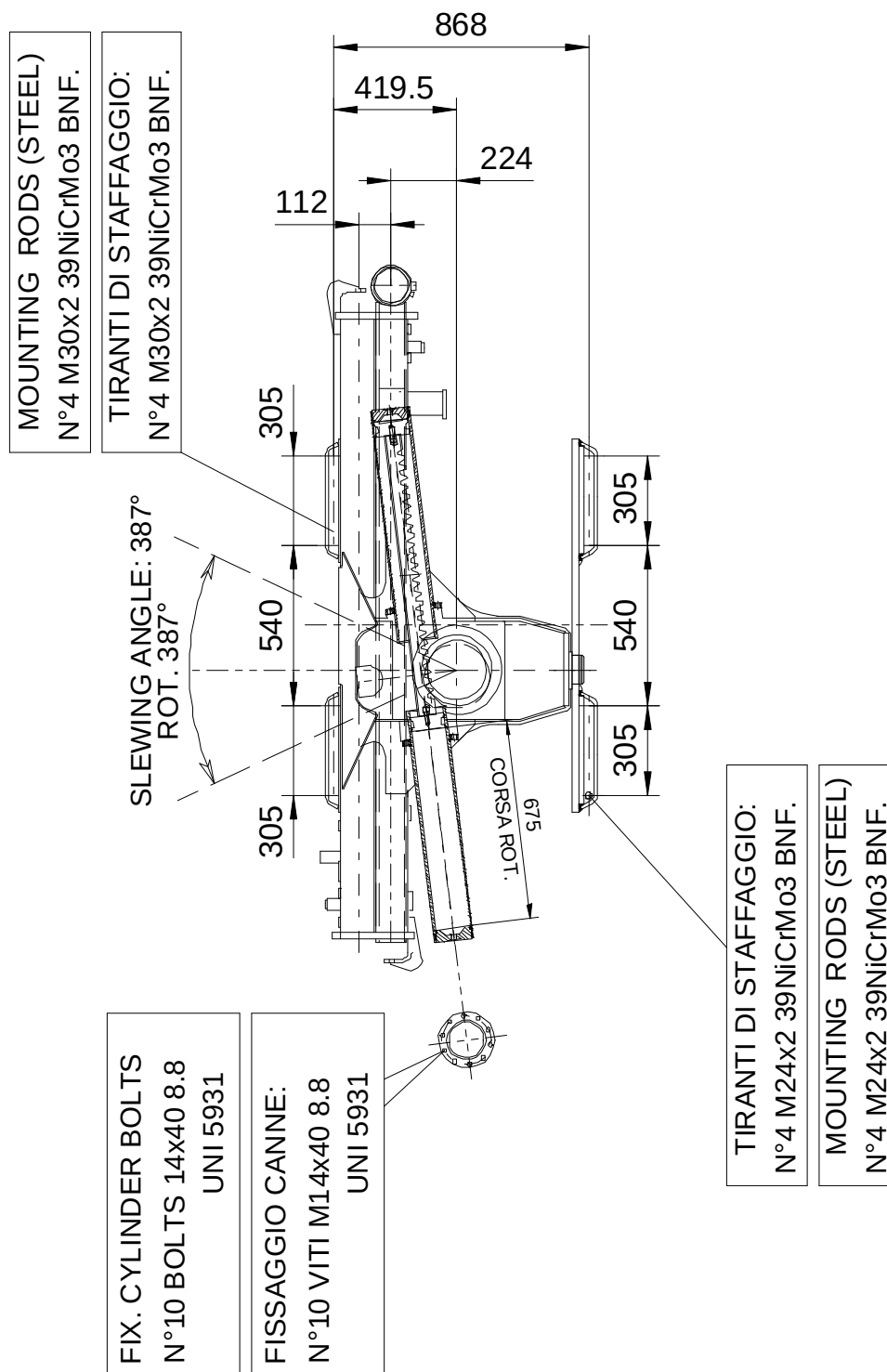
CILINDRO 8° SFILO 8TH EXTENSION CYL.

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

CILINDRO DI ROTAZIONE ROTATION CYLINDER

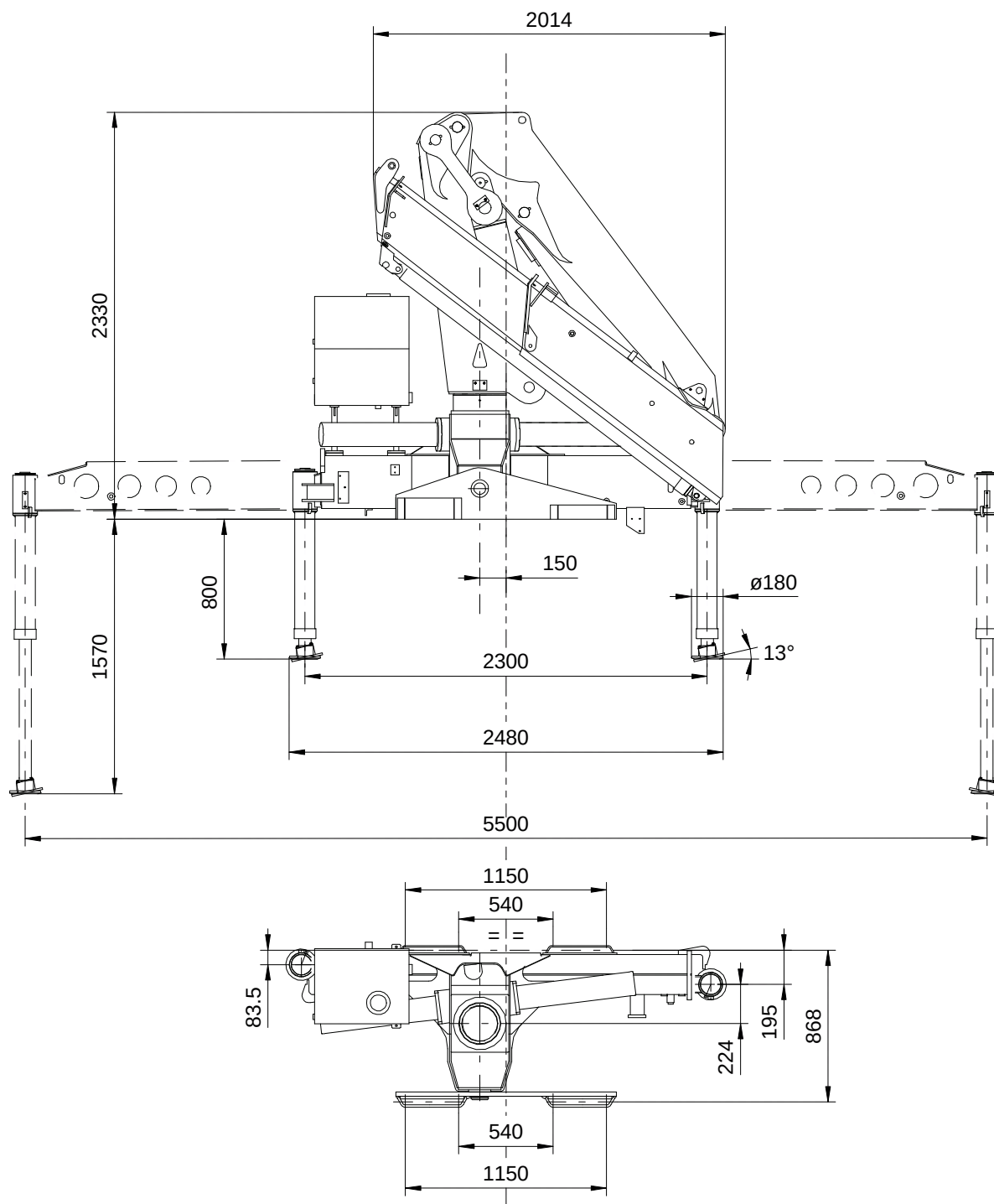
Alesaggio - <i>Cylinder bore</i>	120
Diametro esterno - <i>Cyl. ext. diameter</i>	133
Diametro stelo - <i>Rod diameter</i>	-
Interasse aperto - <i>Pitch (open)</i>	-
Interasse chiuso - <i>Pitch (closed)</i>	-
Corsa - <i>Stroke</i>	675
Raccordi - <i>Fittings</i>	-
Ø perni articolazione - <i>Artic. pin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

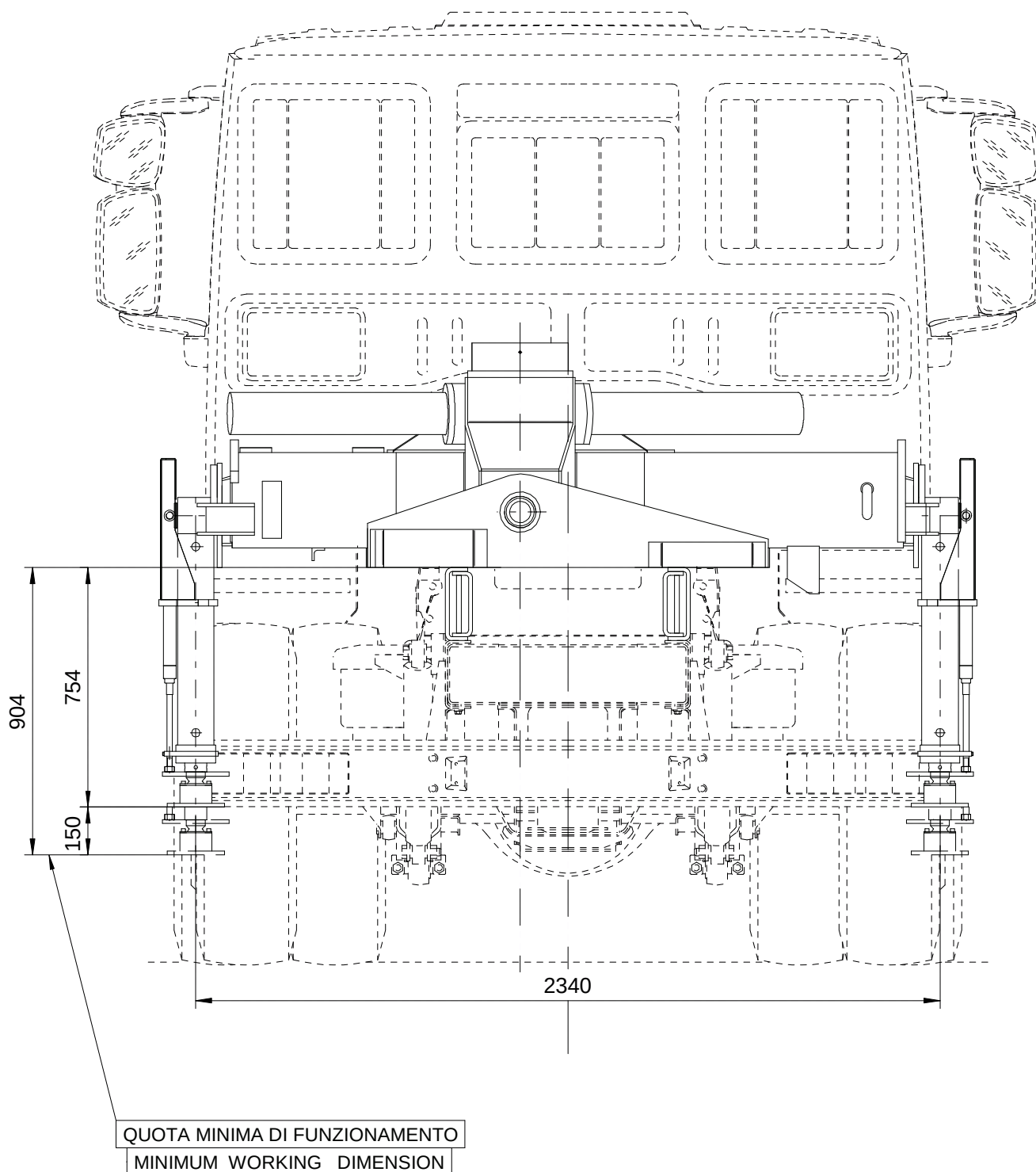
DIMENSIONI BASAMENTO, TIRANTI E VITI ROTAZIONE



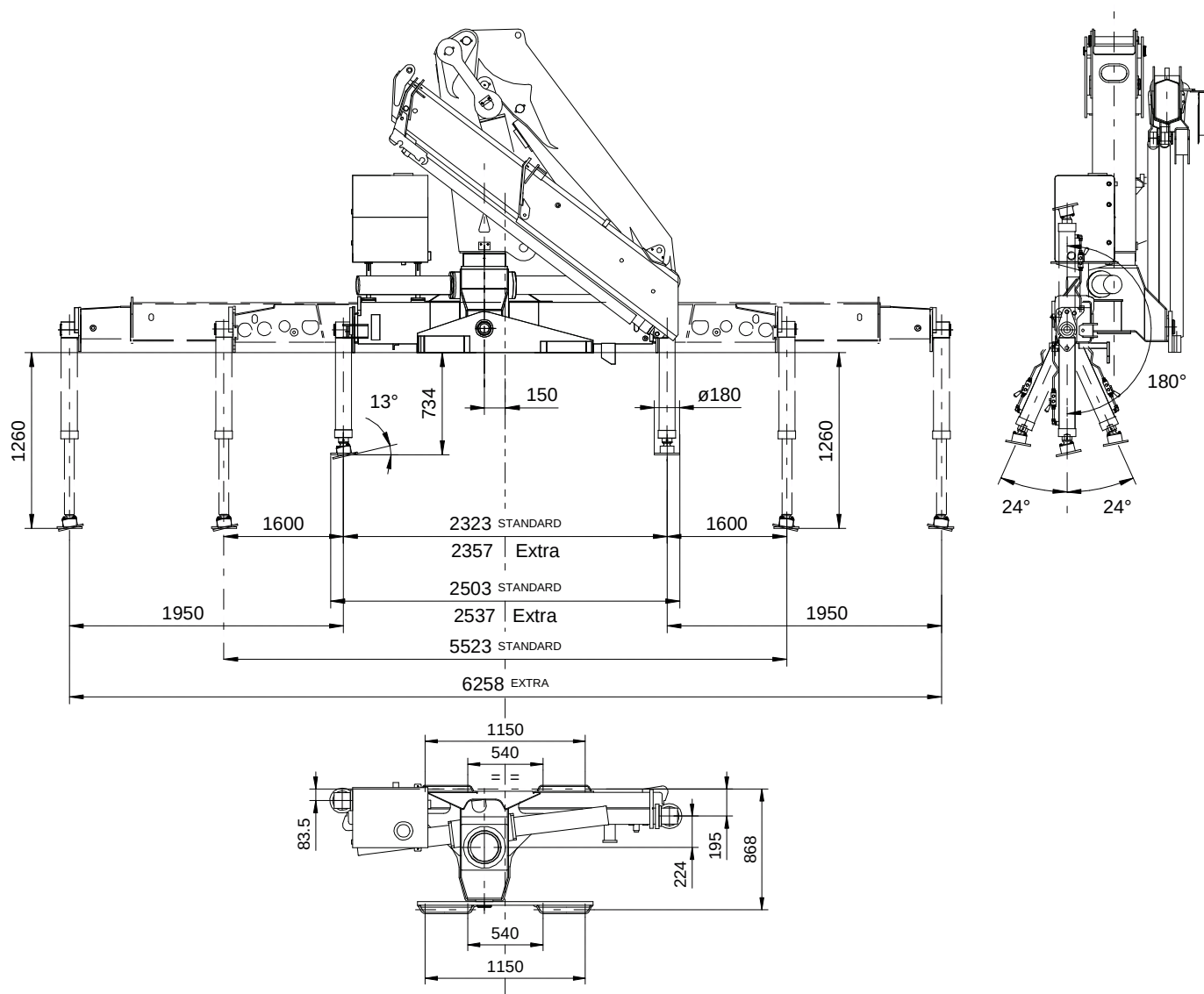
Viti fissaggio 1 canna di rotazione Fixing bolts for 1 rotation cylinder	N°10 M14x40 8.8 UNI 5931 Coppia di serraggio (<i>Tightening torque</i>) 80 Nm
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DIMENSIONI BASAMENTO CON STABILIZZATORI SCORREVOLI LUNGI BASE DIMENSIONS WITH LONG STABILIZERS

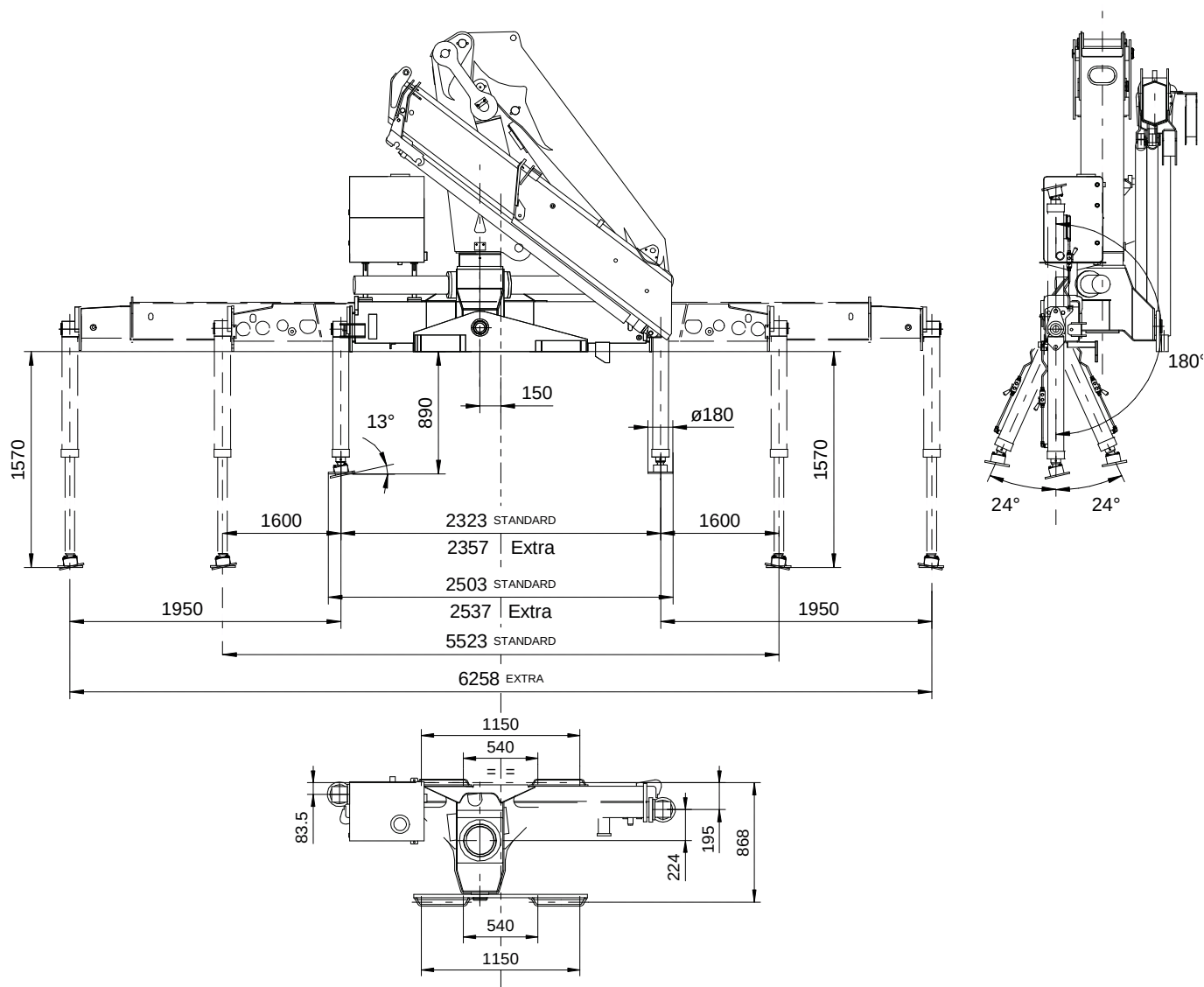


DIMENSIONI BASAMENTO CON STABILIZZATORI ROTANTI AUTOMATICI
DIMENSIONS BASE WITH TILTING AUTOMATIC STABILIZERS

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

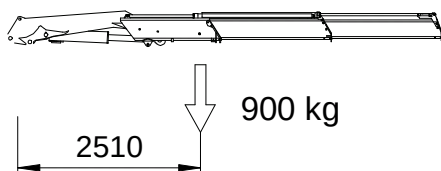


DIMENSIONI BASAMENTO CON STABILIZZATORI GIREVOLI LUNGI BASE DIMENSIONS WITH TILTING LONG STABILIZERS

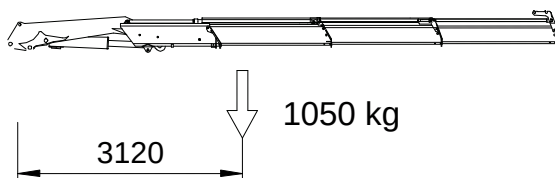


PESI – BARICENTRI WEIGHTS – CENTER OF GRAVITY 924C

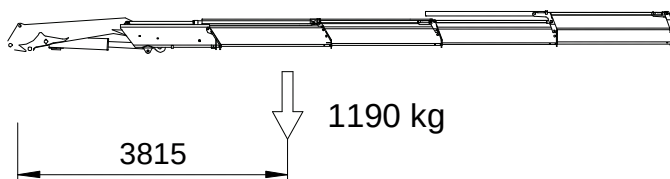
2S



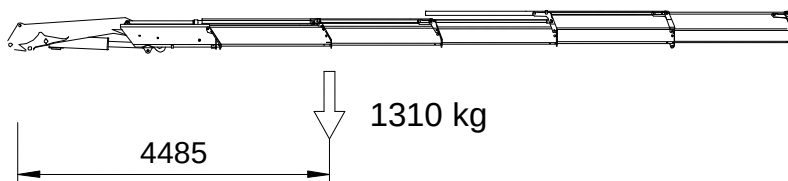
3S



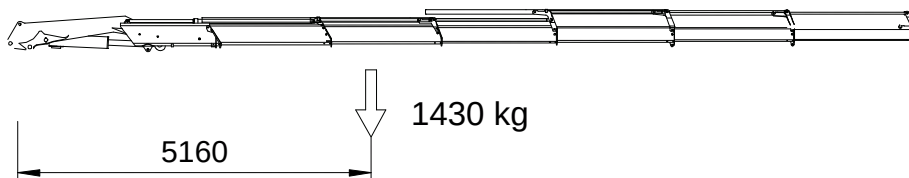
4S



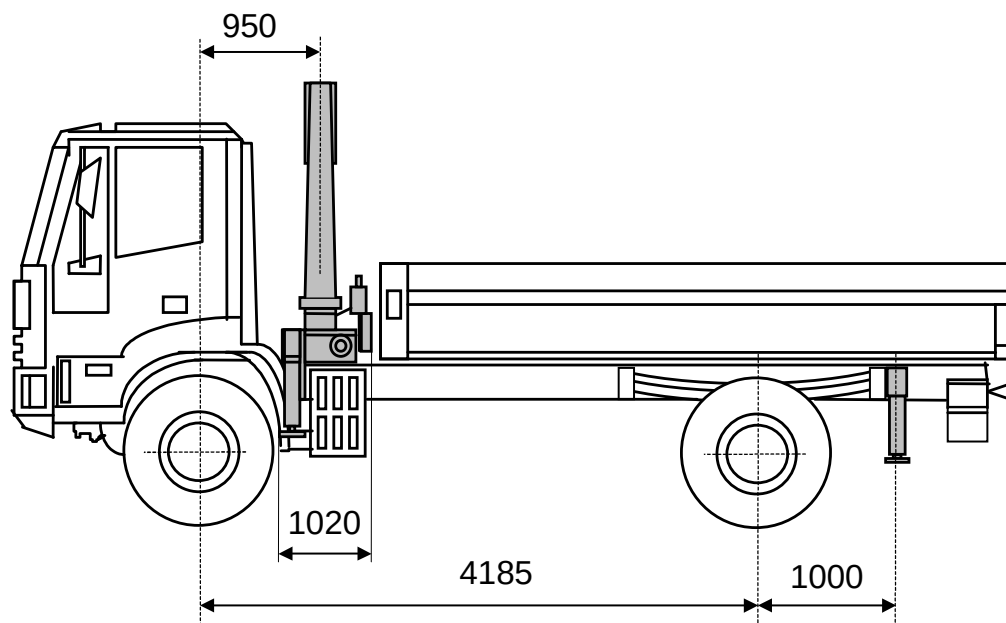
5S



6S



	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

Asse posteriore

Tara asse posteriore = 1930 kg

PESI ALLESTIMENTO

Massa cassone = 600 kg

Peso gru = 3230 kg (924C 6S EX)

Massa controtelaio = 400 kg

Stabilizzatori supplementari

Apertura minima = 3000 mm

Peso stabilizzatori supplementari = 280 kg

Coefficiente di stabilità = 1,53**CHASSIS DATA****Front axle**

Front axle tare weight = 3560 kg

Allowable front axle weight = 7500 kg

Rear axle

Rear axle tare weight = 1930 kg

OUTFIT WEIGHTS

Body weight = 600 kg

Crane weight = 3230 kg (924C 6S EX)

Counterframe weight = 400 kg

Rear beam stabilizers

Min. width = 3000 mm

Rear stabilizer weight = 280 kg

Stability index = 1,53

CONTROTELAIO MINIMO MIN COUNTERFRAME

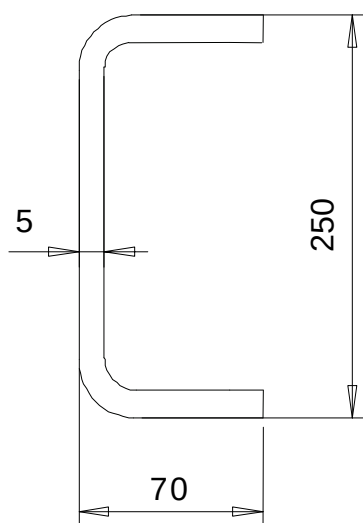
Momento dinamico max (daNm)

Max dynamic moment

26900

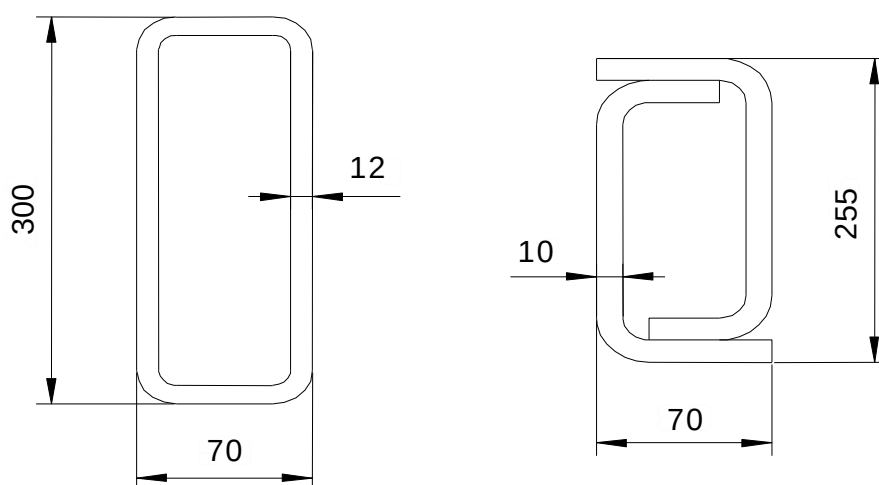
Sezione telaio minima (autocarro PTT=170 q)

Min frame section (truck GVW 17.0 ton)



Sezione minima controtelaio (materiale Fe510 - S355)

Min counterframe section (steel S355)



CARATTERISTICHE VERRICELLO IDRAULICO HYDRAULIC WINCH DATA

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

Max tiro diretto (kg) Max winch direct pull (kg)	1200 kg
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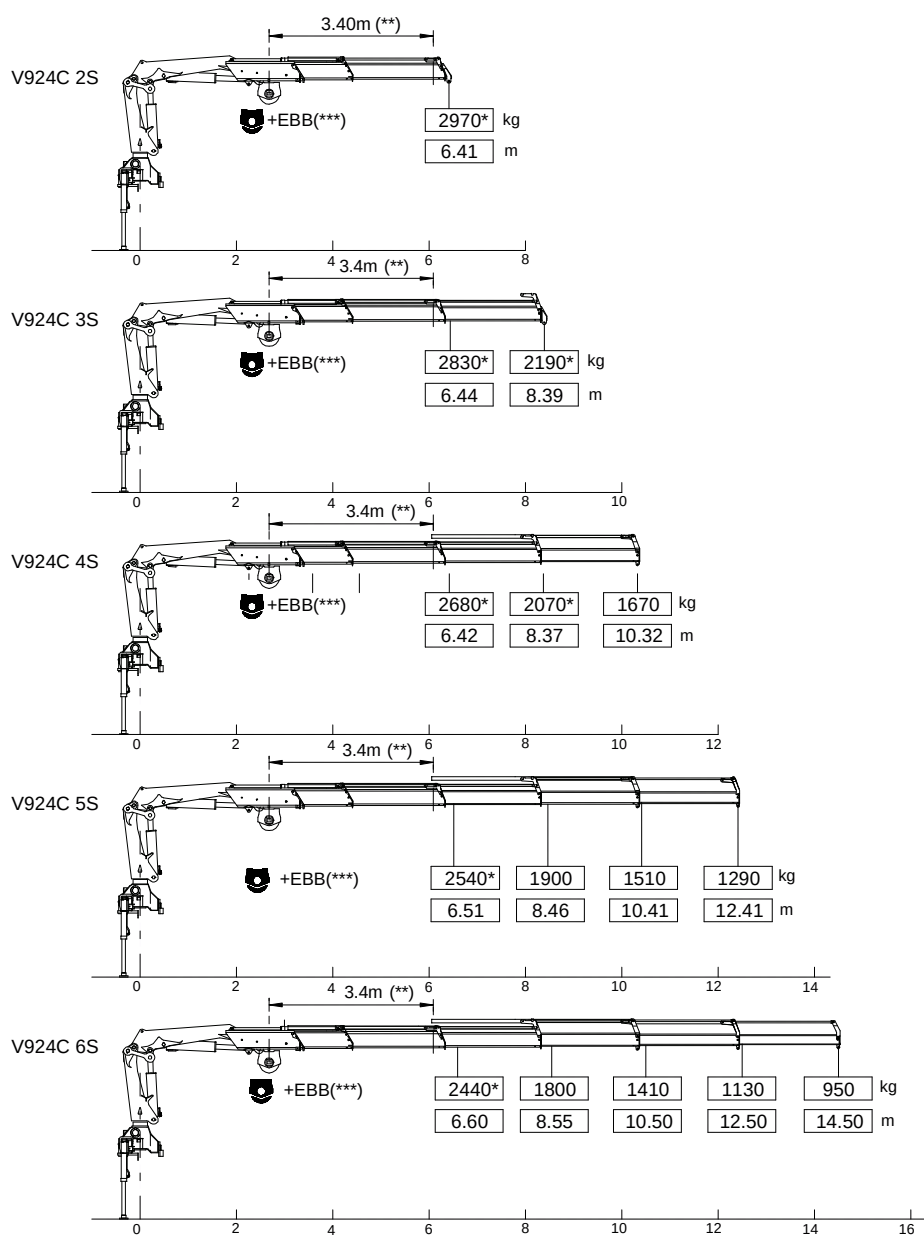
GRU CRANE 924C 6S

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

CRANE 924C 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)	1570 kg
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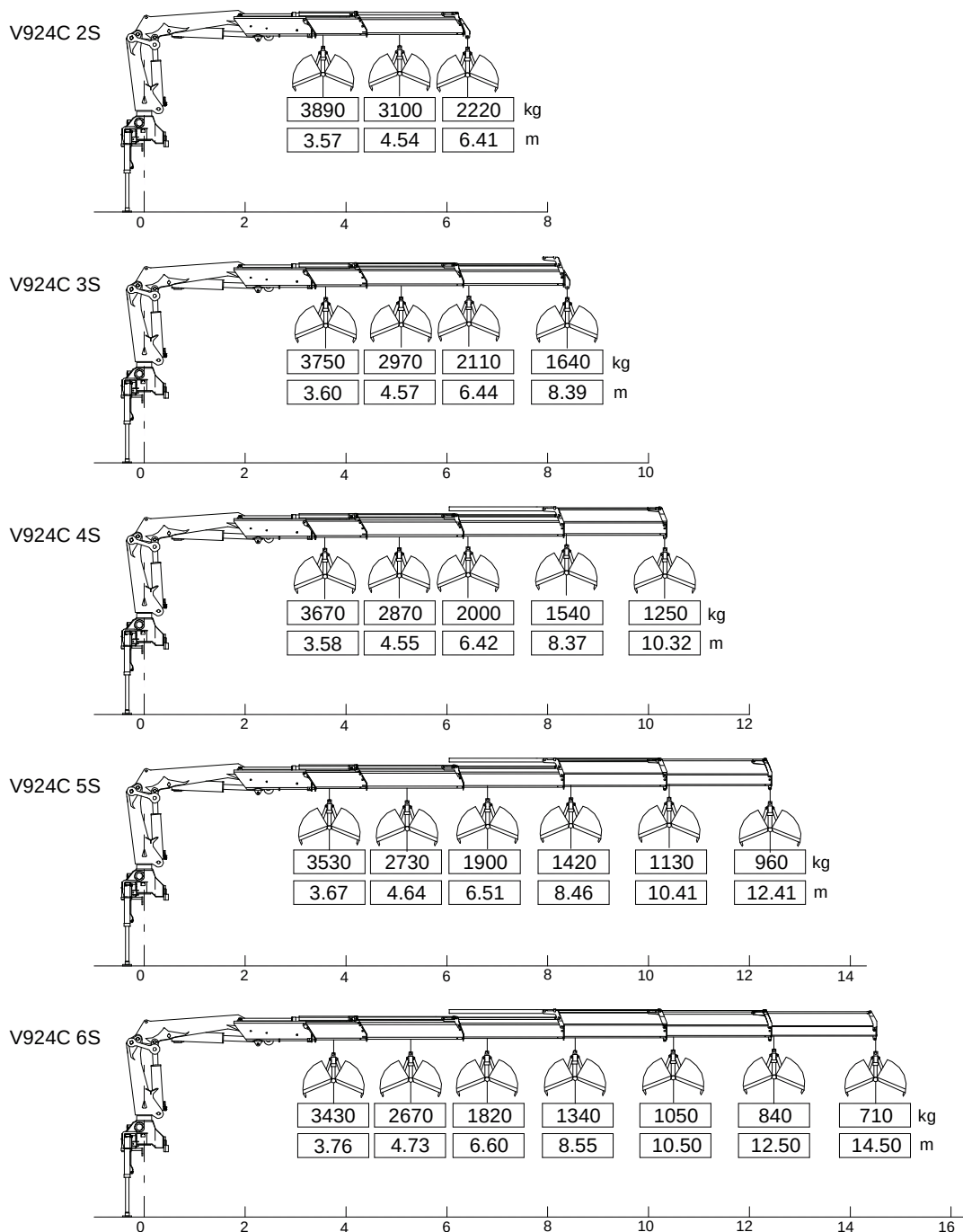
(*) = Puleggia argano con tiro doppio
(*) = Winch pulley with double line pull
(*) = Rolle der Winde mit doppeltem Zug

(**) = Distanza minima di utilizzo argano
(**) = Min distance for using the winch
(**) = Min Abstand für Benutzung der Winde

(***) = Tiro massimo 900 kg senza EBB
(***) = Max pull 900 kg without EBB
(***) = Max Zug 900 kg ohne EBB

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"