

933C - 936C

RACCOLTA TECNICA **TECHNICAL BOOK**



CARATTERISTICHE GENERALI
TECHNICAL DATA

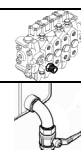
	933C - 936C
Momento dinamico max (daNm) Max dynamic moment	38000

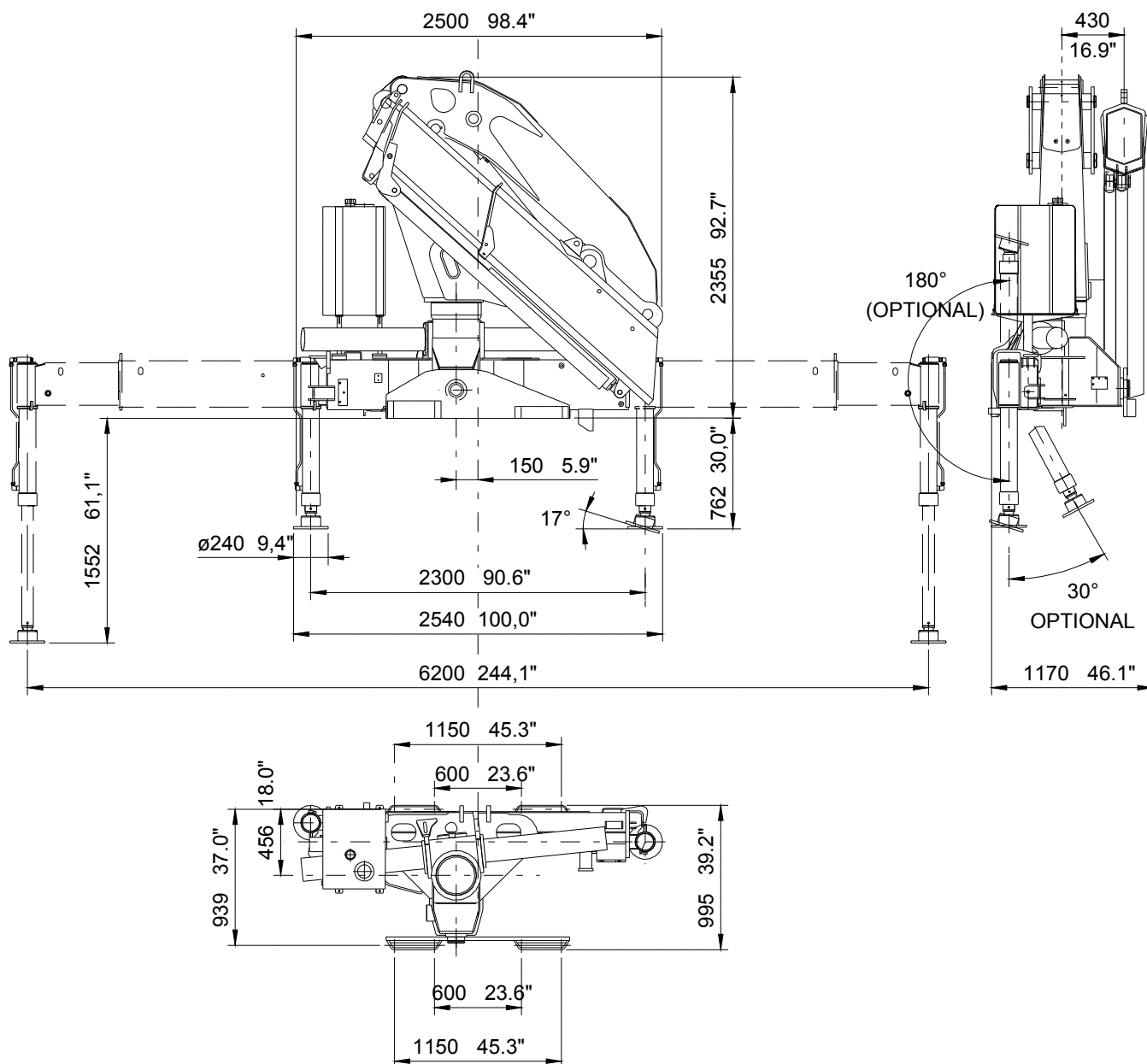
	Versione	933C	936C
Portata max (kg) Max load	2S	11350	11530
	3S	11150	11330
	4S	10900	11100
	5S	10750	10900
	6S	10550	10700
	7S	10400	10550
	8S	10250	10400

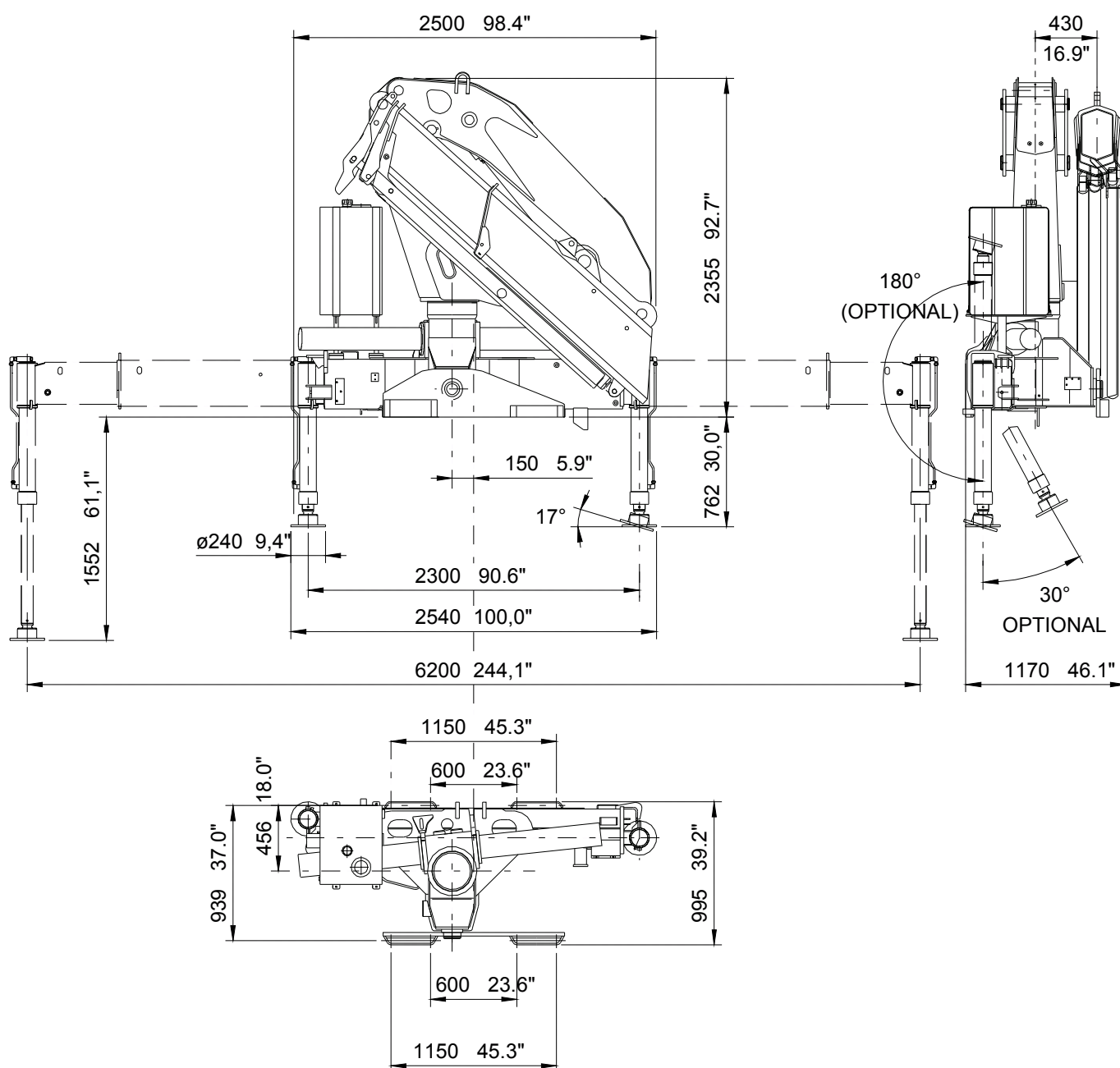
	Versione	933C - 936C
Massa in ordine di lavoro (kg) Crane weight	2S	3750
	3S	3970
	4S	4200
	5S	4370
	6S	4530
	7S	4650
	8S	4770

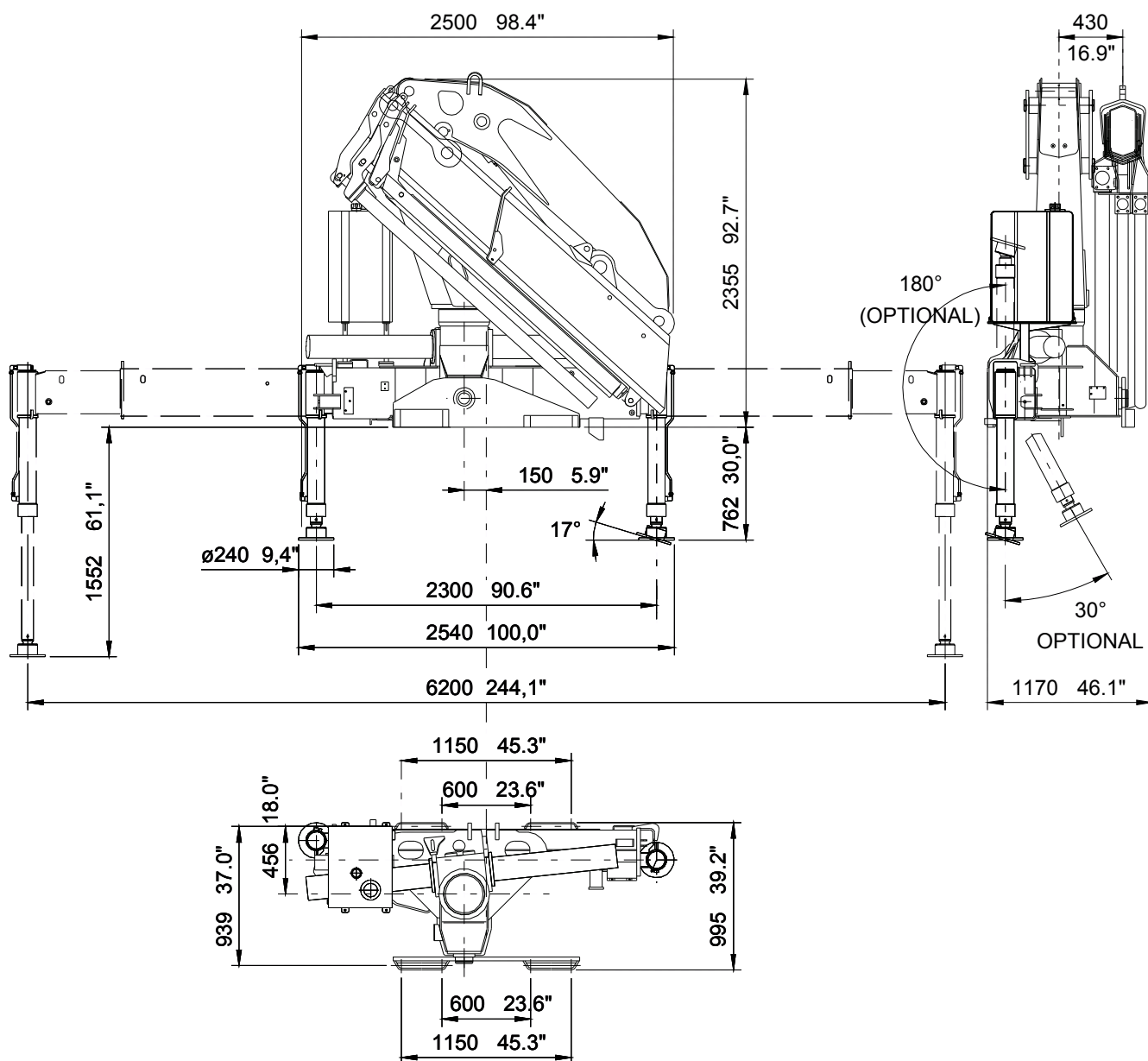
Reazione massima sullo stabilizzatore Max force on the stabilizer leg	12600 daN		
Carico massimo trasmesso al suolo da stabilizzatori Max stabilizer pressure on the ground	27.9 daN/cm ²		
Pressione massima di esercizio Max working pressure	933C	300 bar	
	936C	310 bar	
Portata massima di olio Max oil flow to main relief valve	45 ℓ/min 60 / 80 ℓ/min (RDC)		
Capacità serbatoio olio Oil tank capacity	160 ℓ		
Angolo di rotazione Rotation angle	397°		
Coppia di rotazione Slewing moment	3695 daNm		
Potenza assorbita Absorbed power	933C	29.3 kW	52.0 kW (RDC)
	936C	30.2 kW	53.7 kW (RDC)
Normativa di calcolo Design standard	DIN 15018 EN 12999		

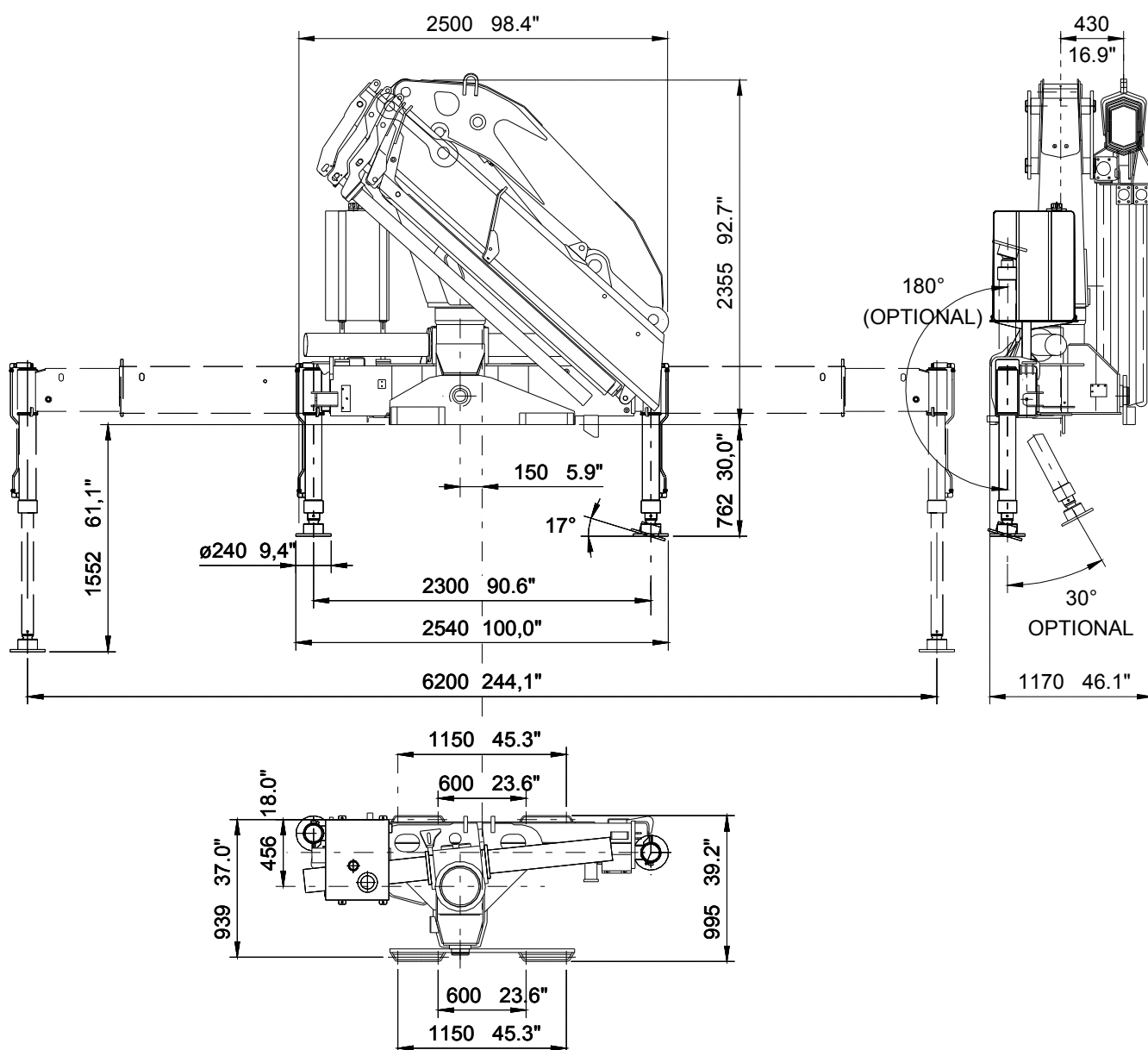
Raccordi di collegamento con pompa Fittings for connection with pump	NO RDC	RDC
Linea di pressione distributore Control valve pressure line	M 7/8" - 14 J	M 1" 1/16 J
Linea di aspirazione serbatoio Tank suction line	M 1" 1/2 G	M 1" 1/2 G

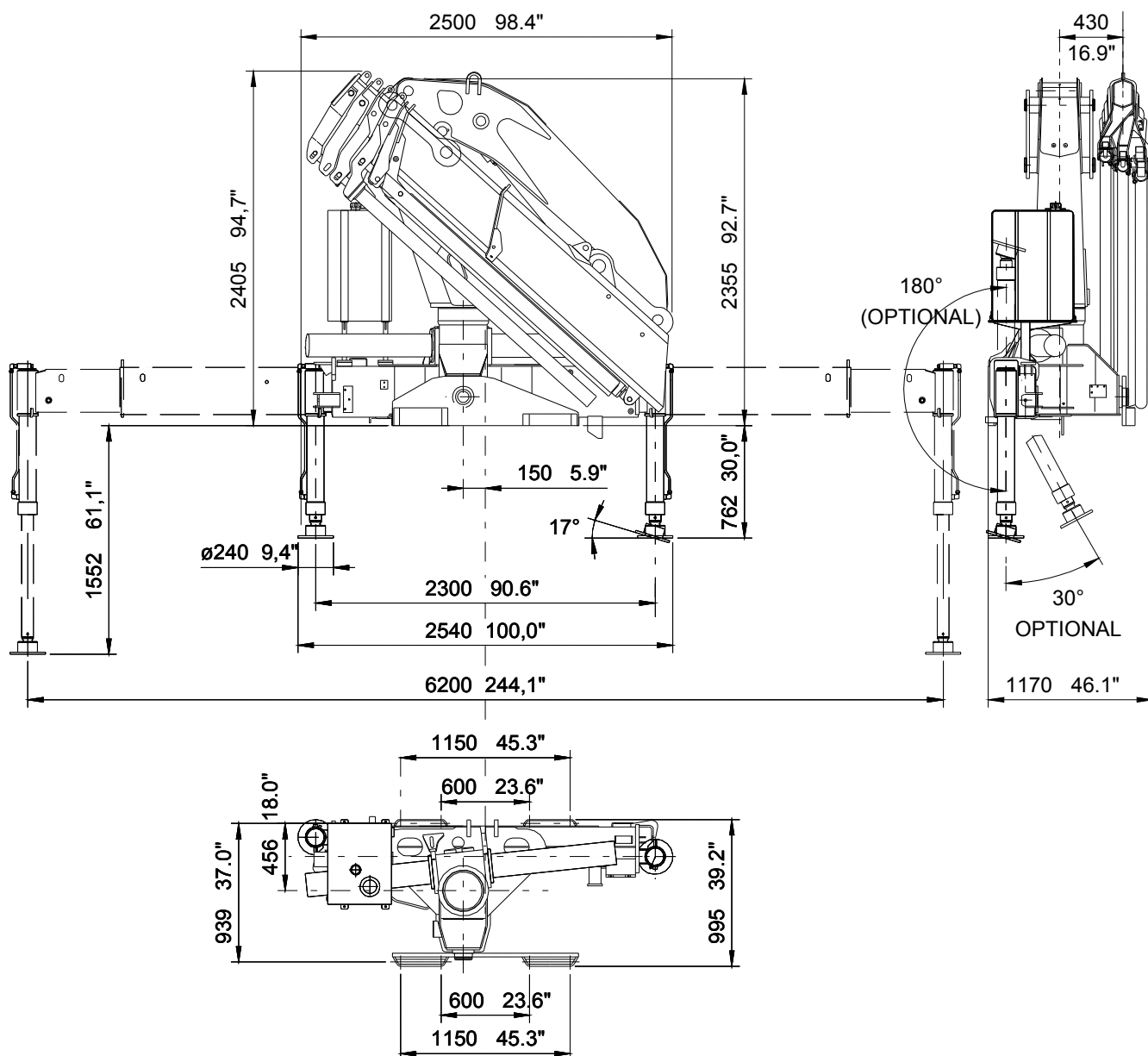


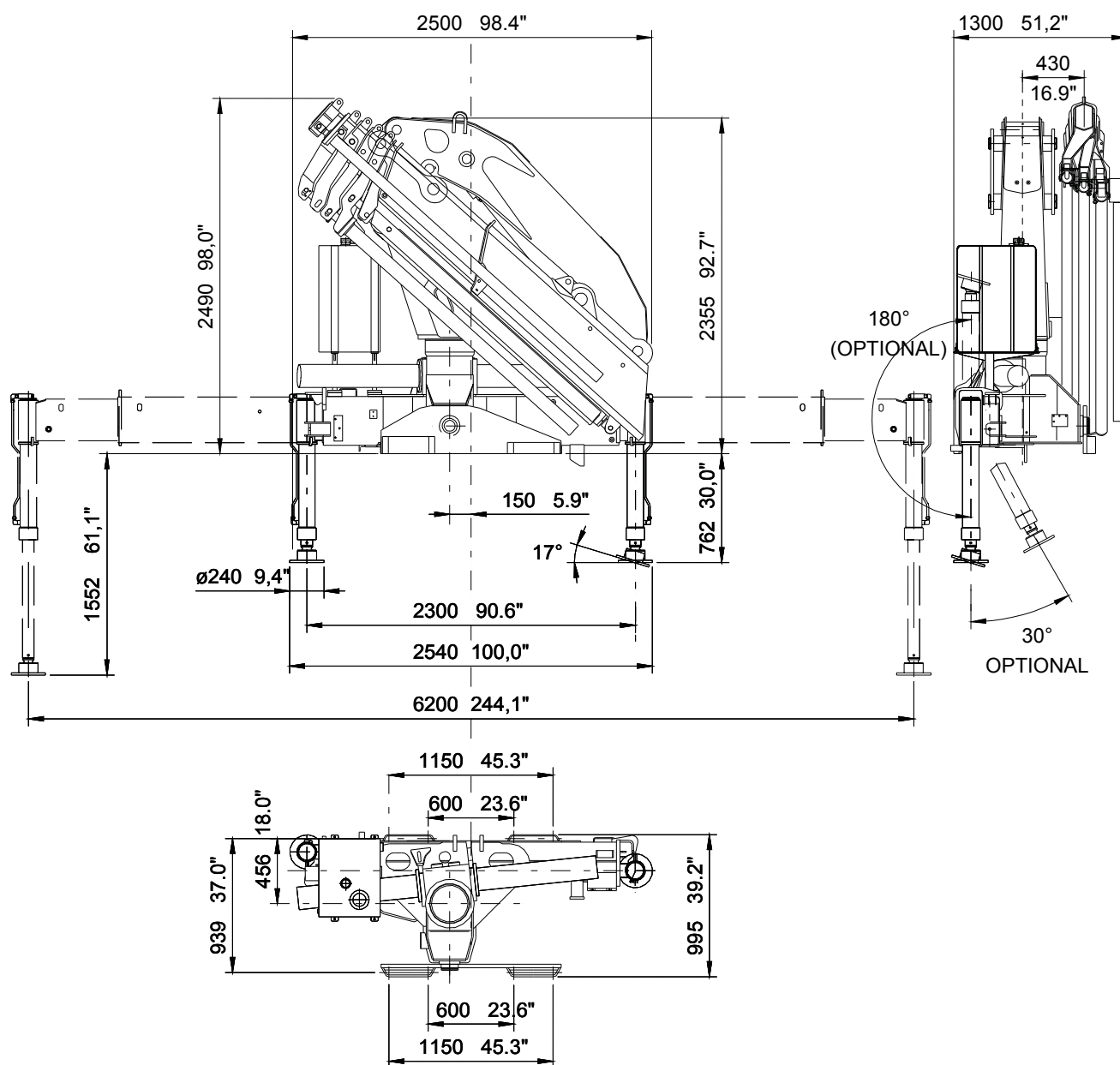
DIMENSIONI DI INGOMBRO
DIMENSIONS
2S

DIMENSIONI DI INGOMBRO
DIMENSIONS
3S

DIMENSIONI DI INGOMBRO
DIMENSIONS
4S



DIMENSIONI DI INGOMBRO
DIMENSIONS
6S

DIMENSIONI DI INGOMBRO
DIMENSIONS
7S

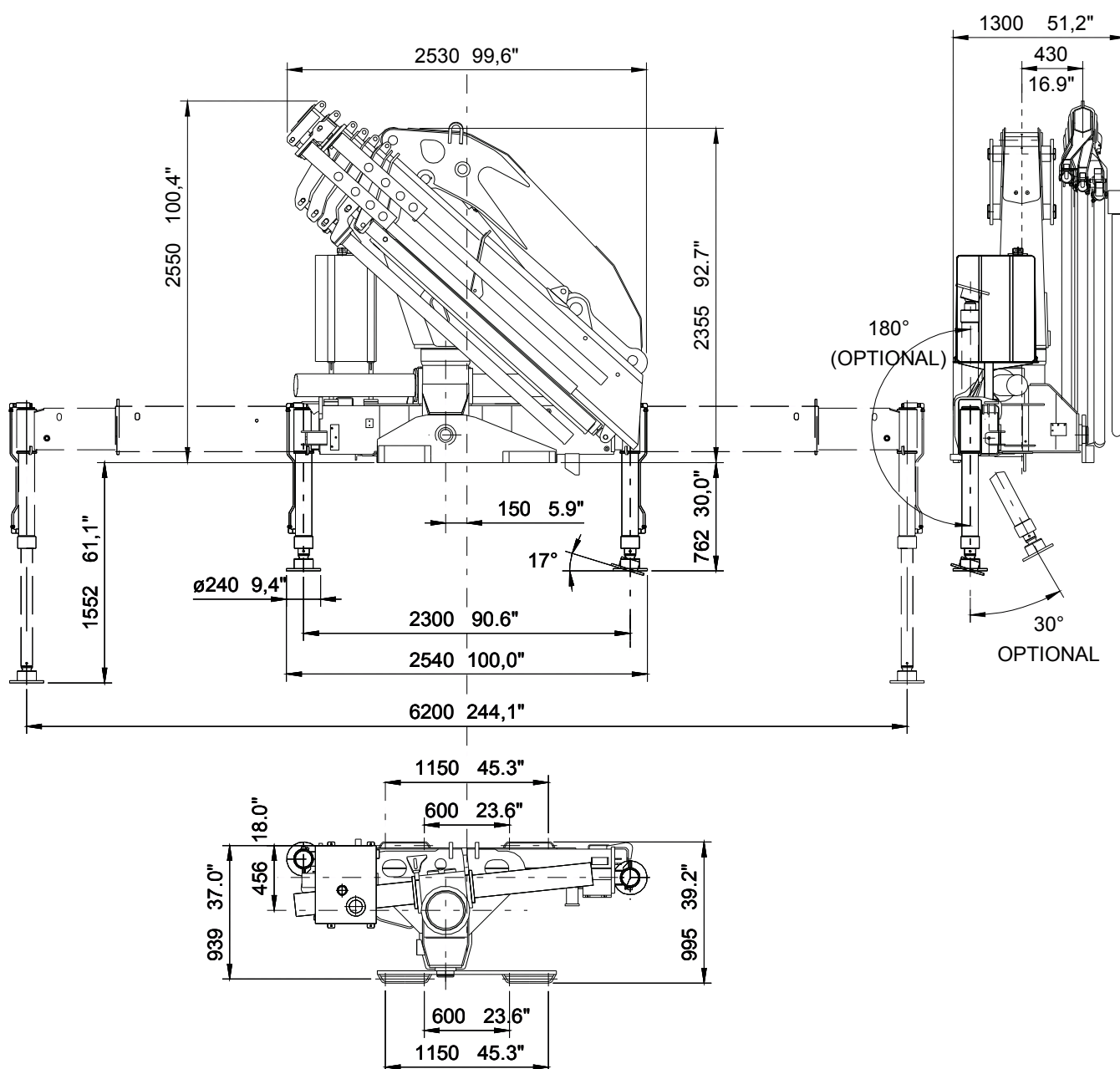
DIMENSIONI DI INGOMBRO
DIMENSIONS
8S

DIAGRAMMA PORTATE LOAD DIAGRAM 2S

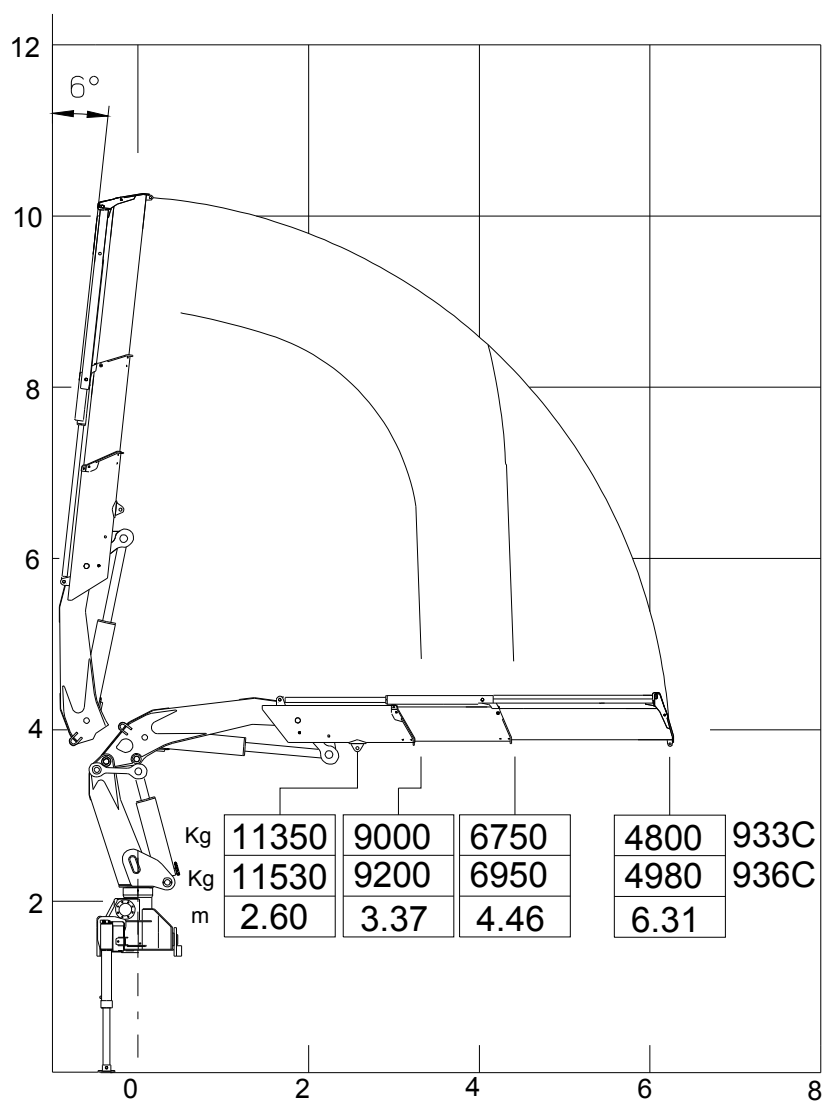


DIAGRAMMA PORTATE LOAD DIAGRAM 3S

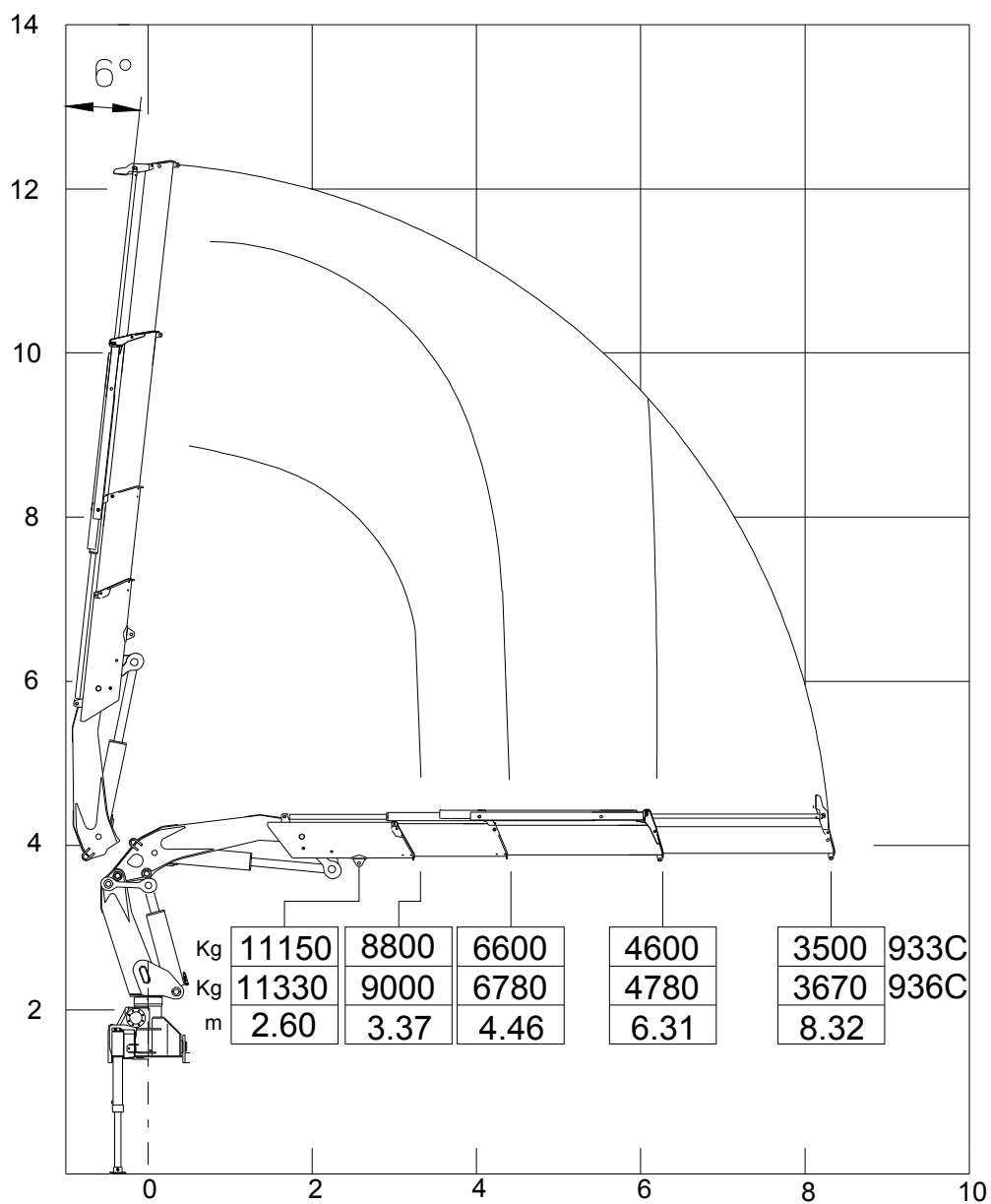


DIAGRAMMA PORTATE LOAD DIAGRAM 4S

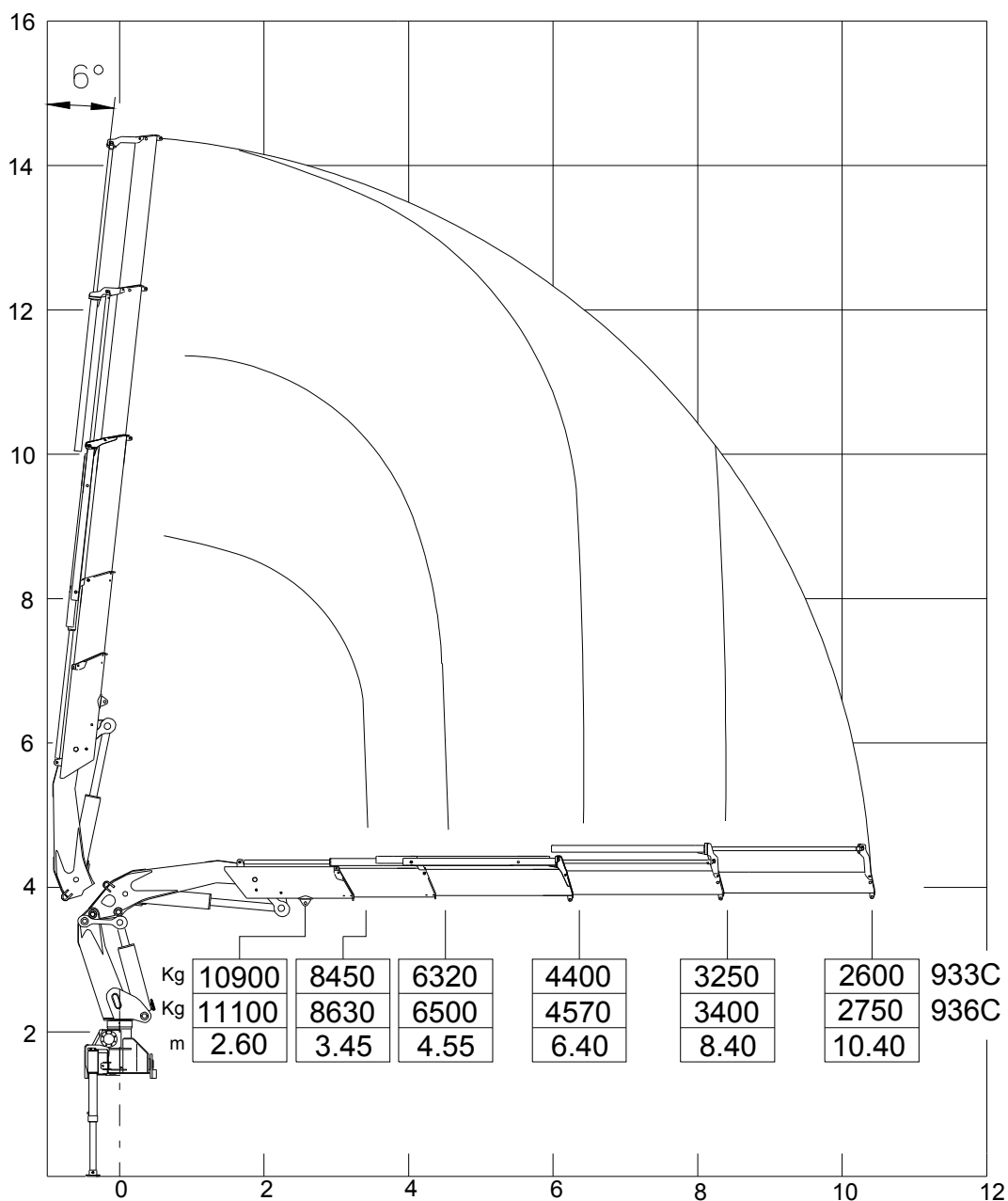


DIAGRAMMA PORTATE LOAD DIAGRAM 5S

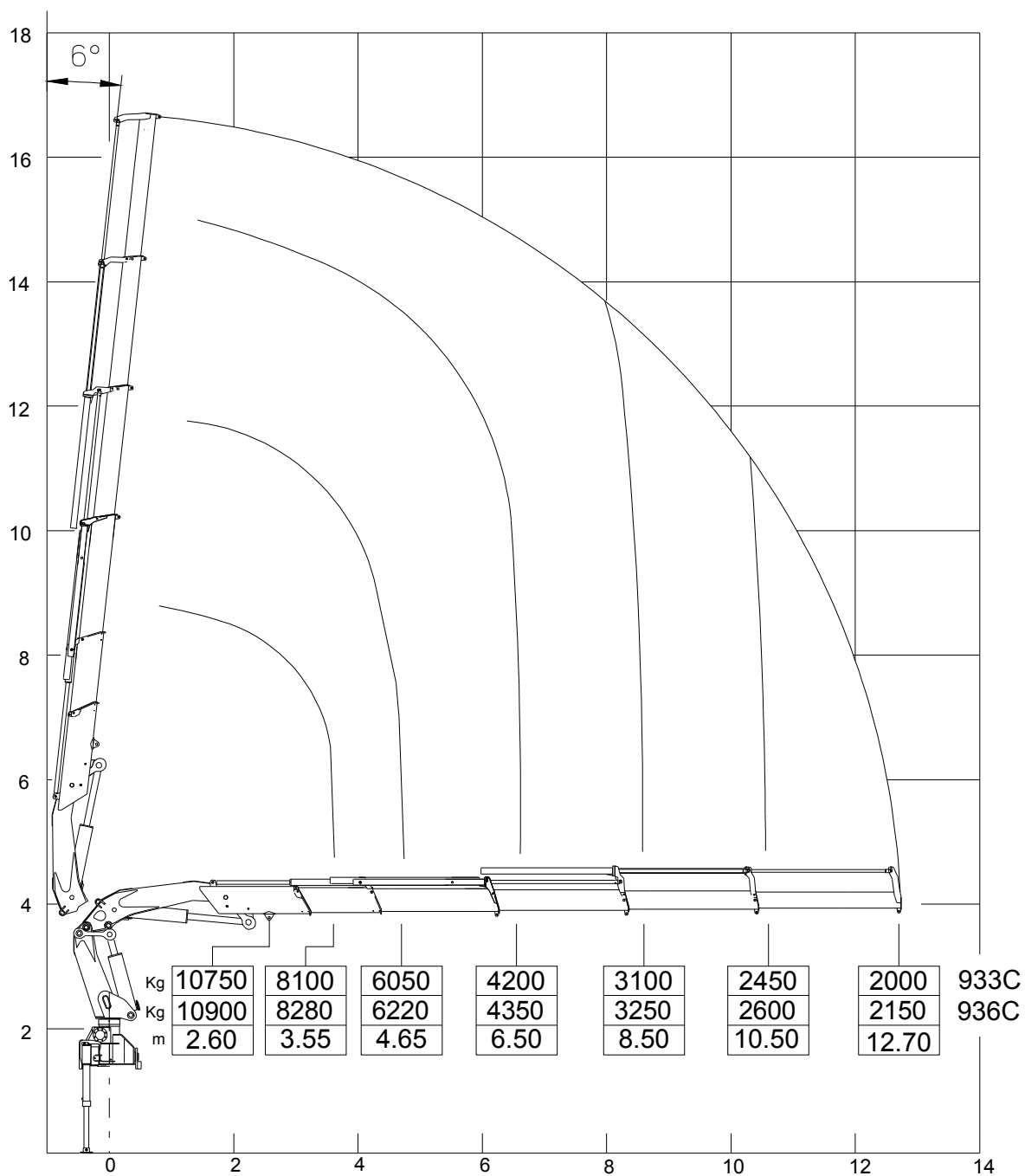


DIAGRAMMA PORTATE LOAD DIAGRAM 6S

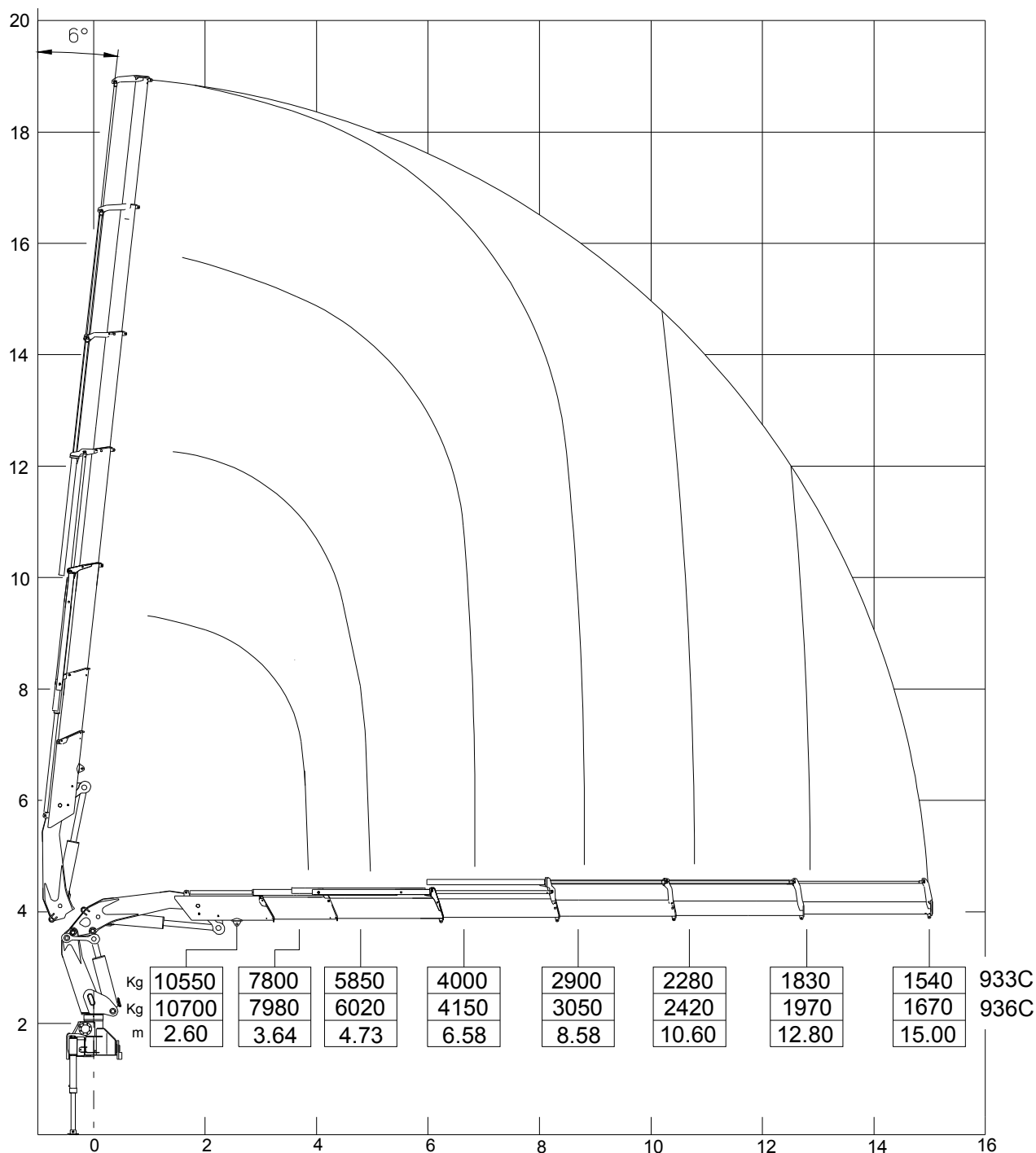
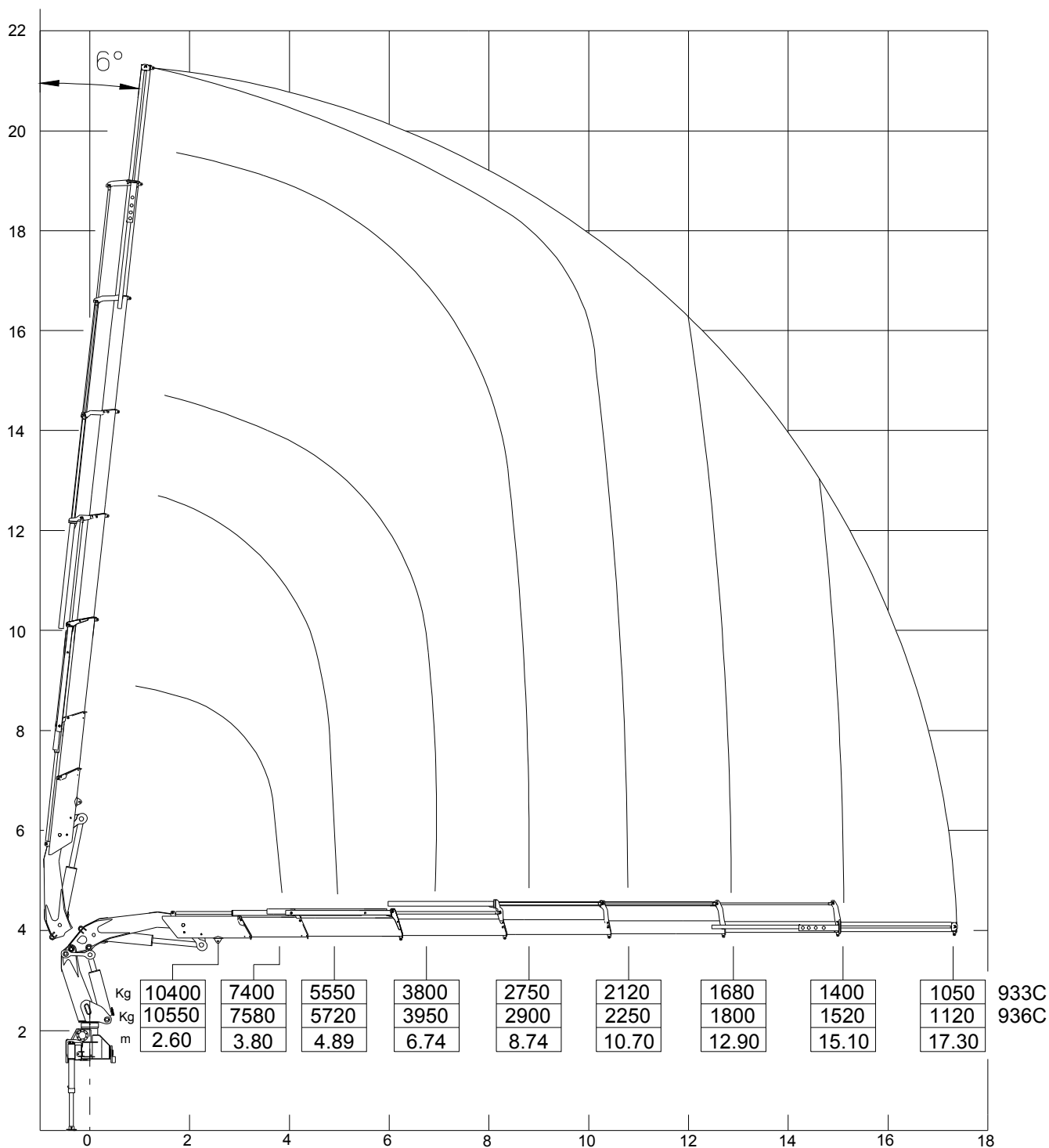


DIAGRAMMA PORTATE LOAD DIAGRAM 7S

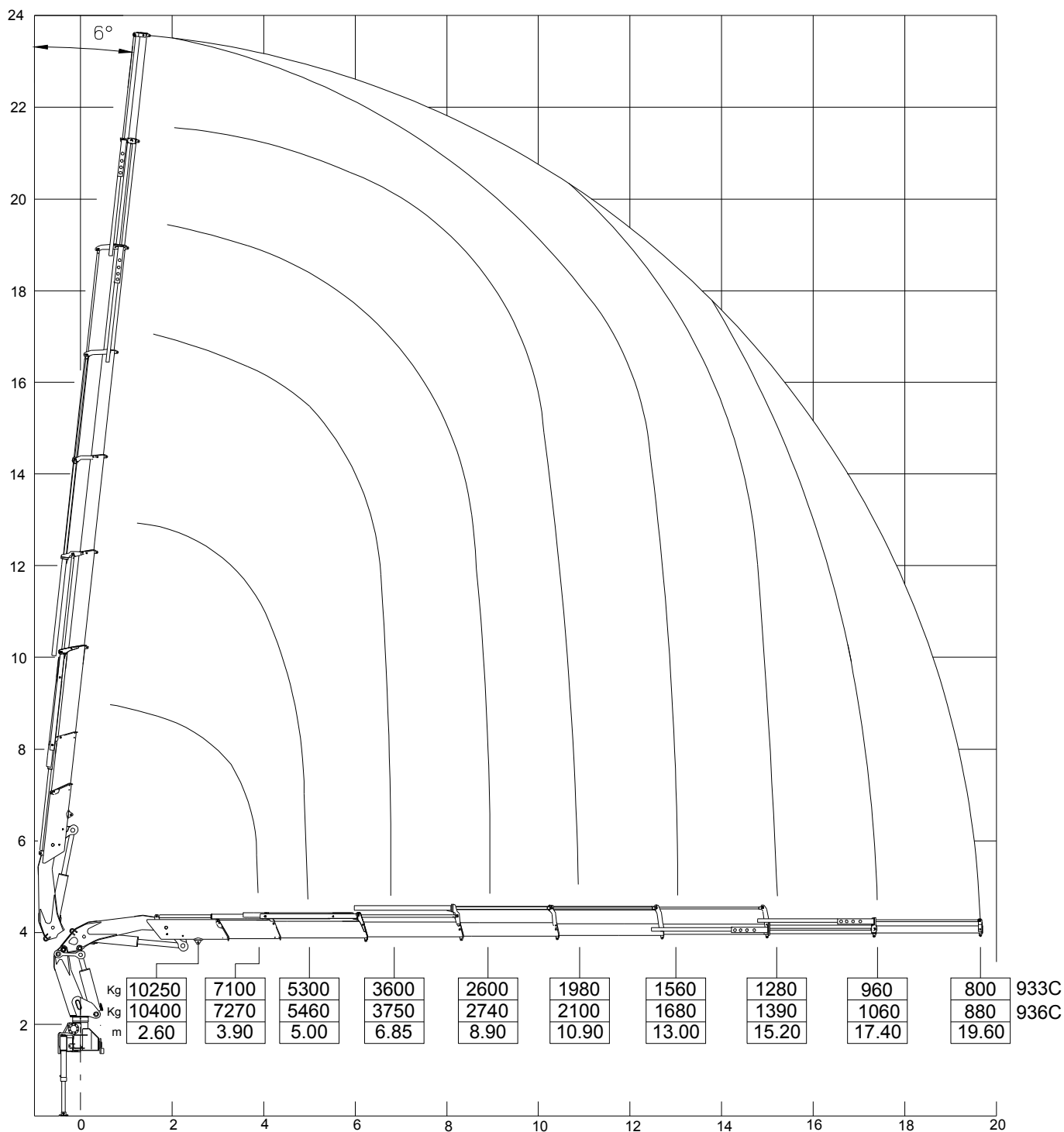


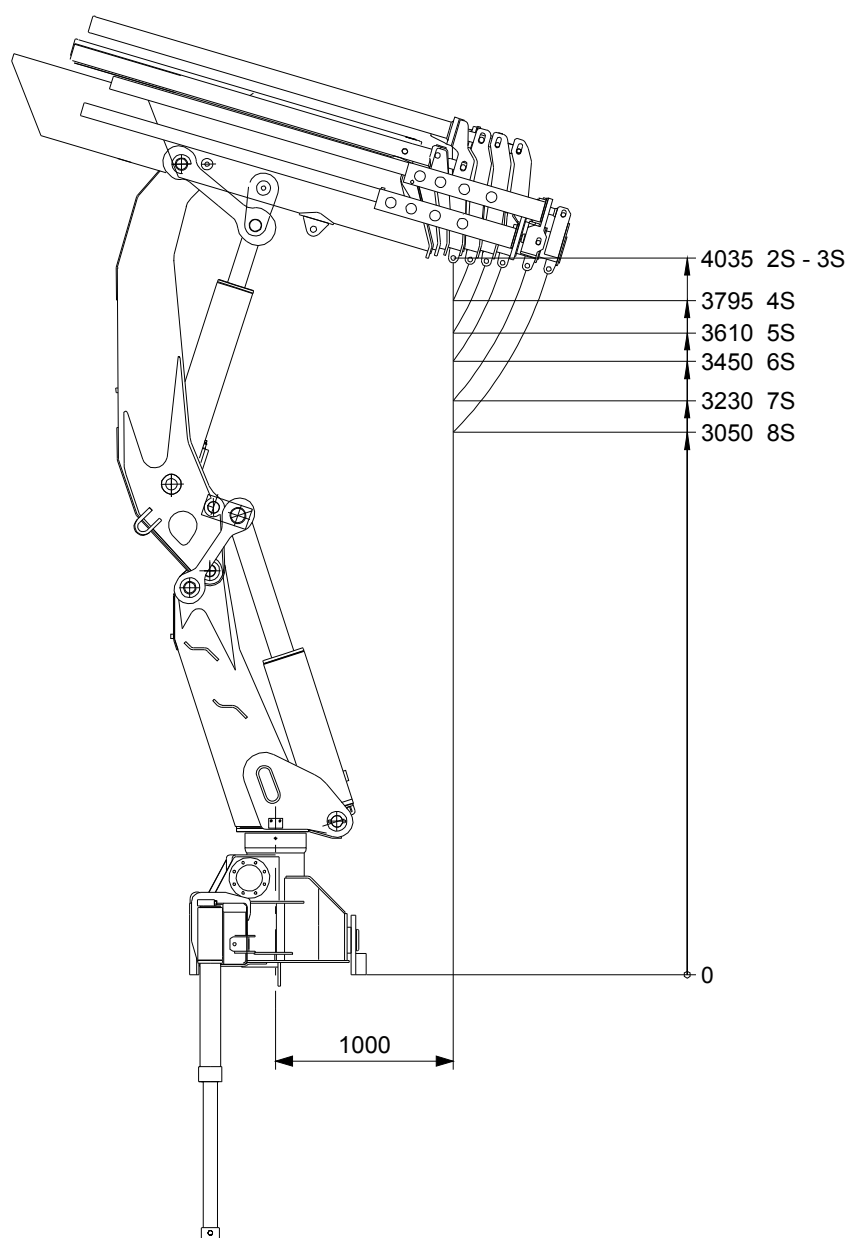
933C-936C

Crane - Kran
Grue - Grua - Gru

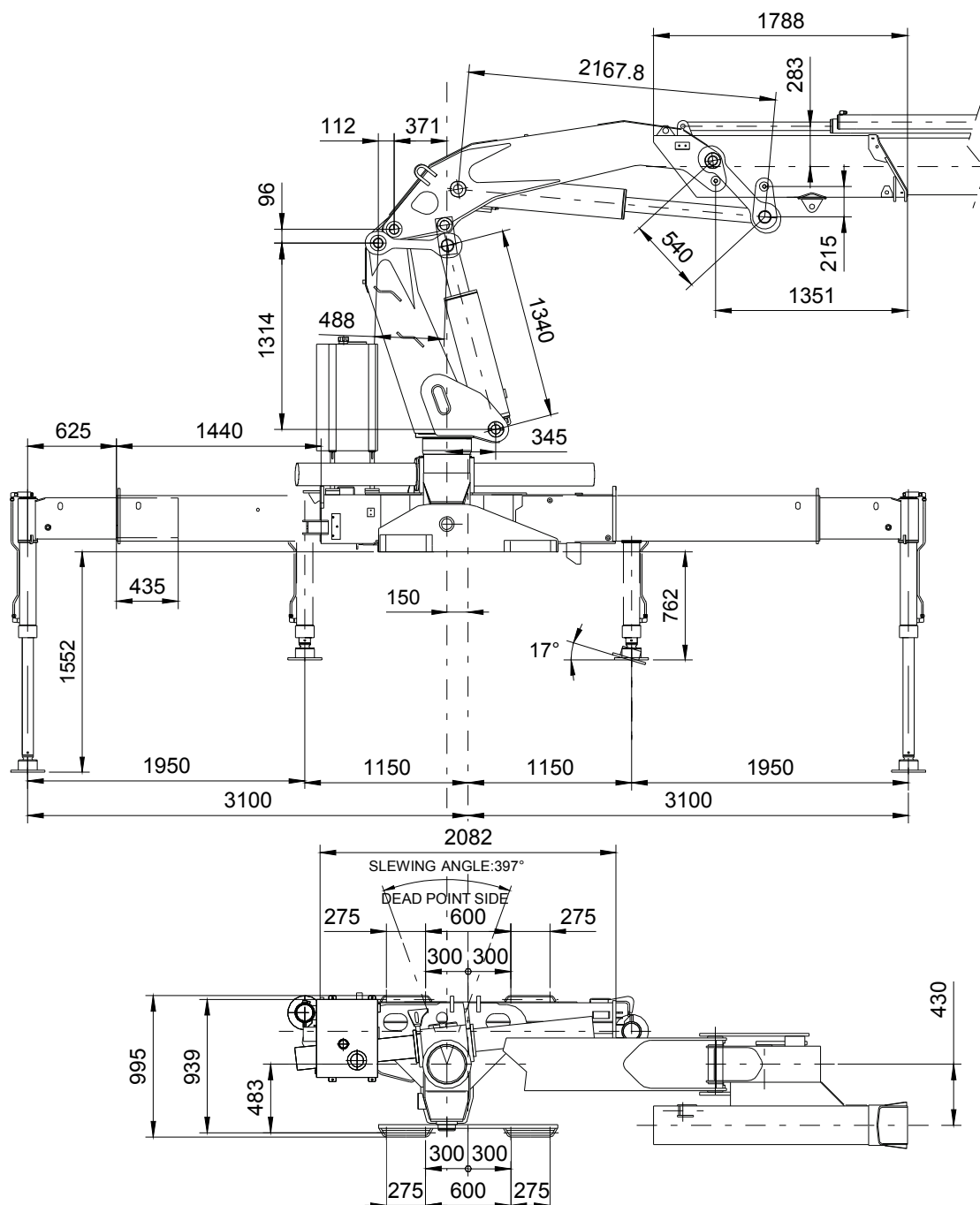


DIAGRAMMA PORTATE LOAD DIAGRAM 8S

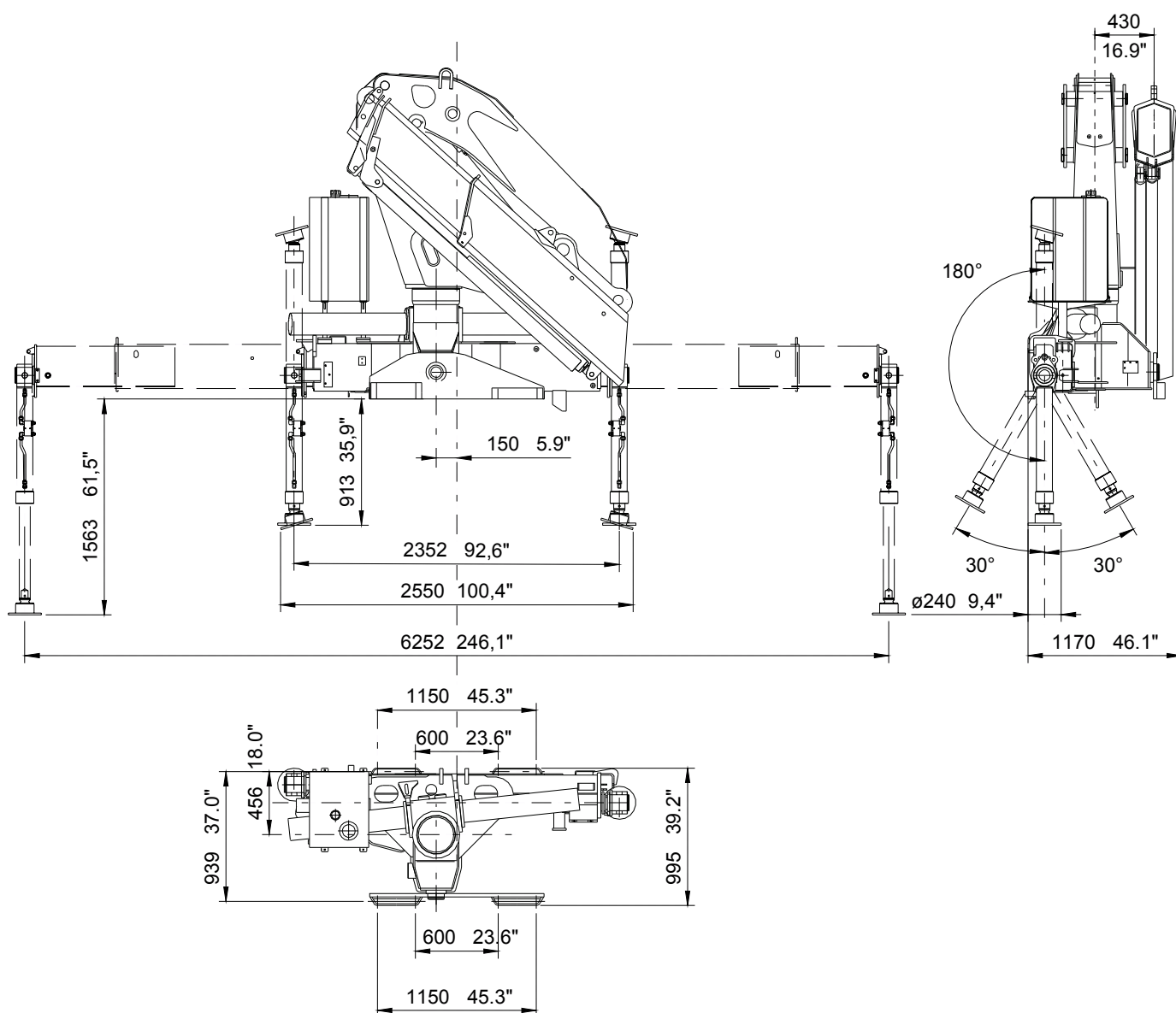


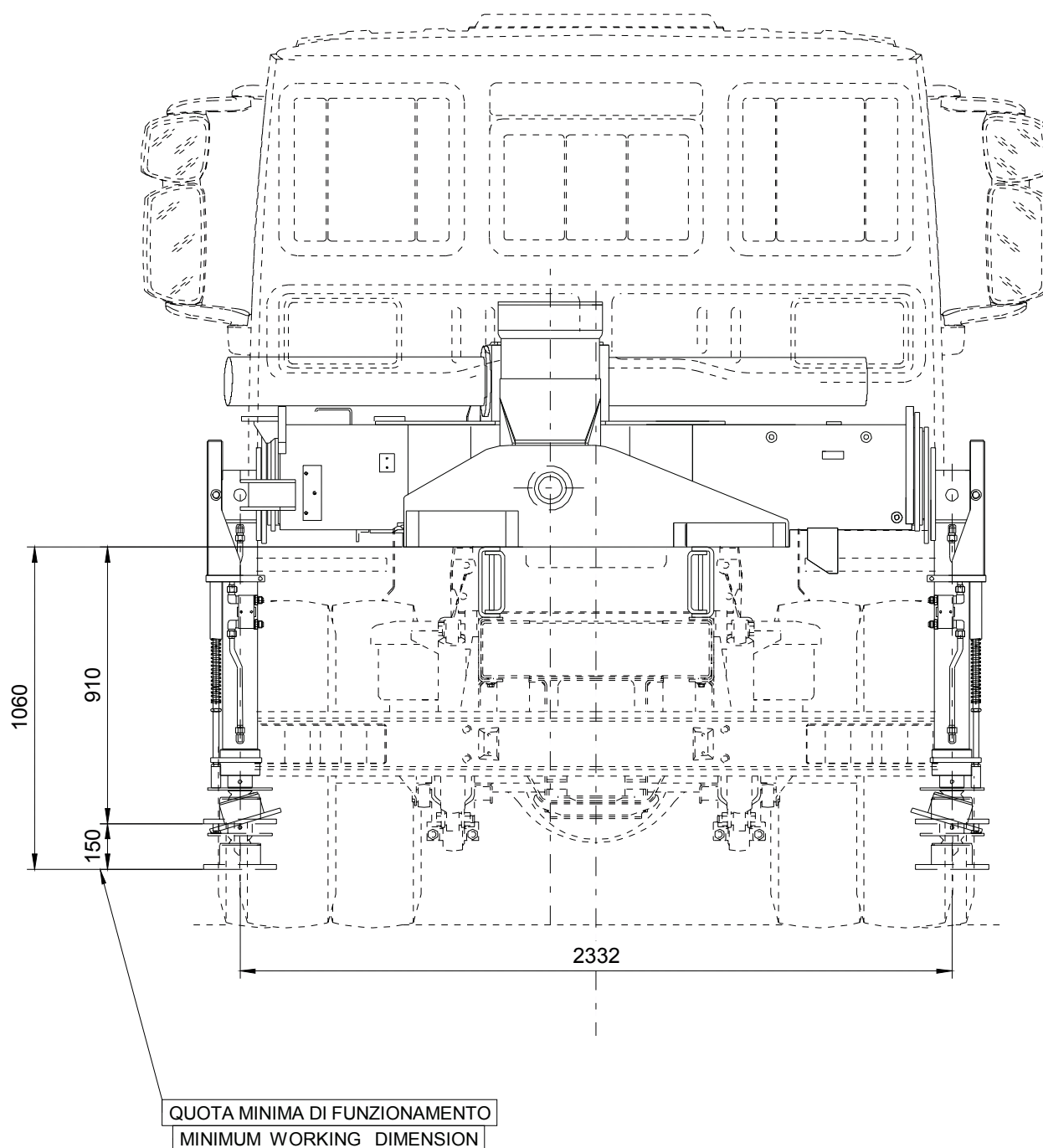
ALTEZZA ATTACCO GANCIO
HOOK HEIGHT

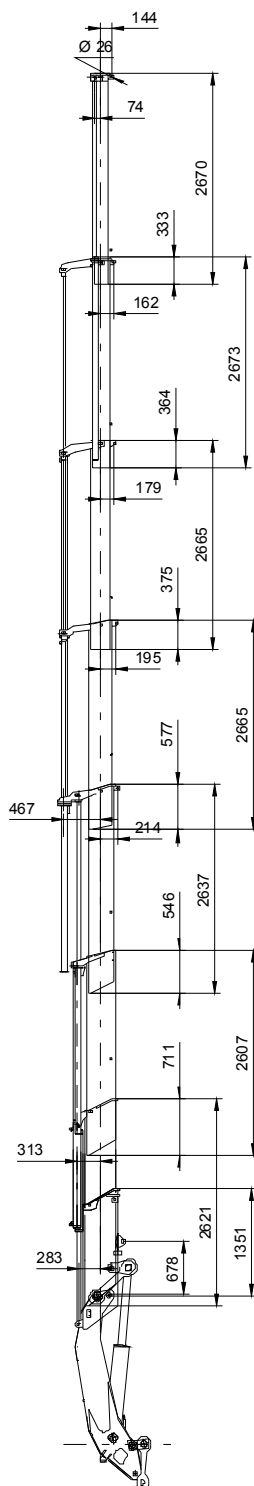
DIMENSIONI BASAMENTO, COLONNA, 1° BRACCIO, 2° BRACCIO, TIRANTI E VITI ROTAZIONE BASE, COLUMN, BOOM DIMENSIONS, TIE RODS & ROTATION SCREWS



Tiranti di staffaggio <i>Mounting tie rods</i>	N°8 M30x2 42CrMo4 bonificato (<i>quenched and tempered</i>)
Viti fissaggio canna di rotazione <i>Rotation cylinder fixing bolts</i>	N°8 M16x45 8.8 UNI 5931 Coppia di serraggio (<i>Tightening torque</i>) 198 Nm

DIMENSIONI BASAMENTO CON STABILIZZATORI ROTANTI MANUALI
DIMENSIONS OF THE BASE WITH MANUAL TILTING STABILIZERS

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

DIMENSIONALE BRACCI
EXTENSIONS DIMENSION

DIMENSIONI MARTINETTI E PERNI CYLINDERS AND PINS DIMENSIONS

CILINDRO DI SOLLEVAMENTO LIFTING CYLINDER

Alesaggio - <i>Cylinder bore</i>	210
Diametro esterno - <i>Cyl. ext. diameter</i>	240
Diametro stelo - <i>Rod diameter</i>	130 - 100
Interasse aperto - <i>Wheelbase (open)</i>	1825
Interasse chiuso - <i>Wheelbase (closed)</i>	1095
Corsa - <i>Stroke</i>	730
Ø perni articolazione - <i>Artic. pin Ø</i>	85 - 65
Materiale perno/i - <i>Pin steel</i>	39NiCrMo3 BNF

CILINDRO DI ARTICOLAZIONE ARTICULATION CYLINDER

Alesaggio - <i>Cylinder bore</i>	185
Diametro esterno - <i>Cyl. ext. diameter</i>	215
Diametro stelo - <i>Rod diameter</i>	100 - 60
Interasse aperto - <i>Wheelbase (open)</i>	2167
Interasse chiuso - <i>Wheelbase (closed)</i>	1267
Corsa - <i>Stroke</i>	900
Ø perno fissaggio - <i>Fixing pin Ø</i>	85 - 65
Mat. perno/i - <i>Pin steel</i>	39NiCrMo3 BNF

CILINDRO 1° SFILO 1ST EXTENSION CYL.

Alesaggio - <i>Cylinder bore</i>	85
Diametro esterno - <i>Cyl. ext. diameter</i>	100
Diametro stelo - <i>Rod diameter</i>	60 - 45
Interasse aperto - <i>Wheelbase (open)</i>	2512
Interasse chiuso - <i>Wheelbase (closed)</i>	1414
Corsa - <i>Stroke</i>	1098
Ø perni articolazione - <i>Artic. pin Ø</i>	30
Materiale perno/i - <i>Pin steel</i>	39NiCrMo3 BNF

CILINDRO 2° SFILO 2ND EXTENSION CYL.

Alesaggio - <i>Cylinder bore</i>	85
Diametro esterno - <i>Cyl. ext. diameter</i>	100
Diametro stelo - <i>Rod diameter</i>	60 - 45
Interasse aperto - <i>Wheelbase (open)</i>	2005
Interasse chiuso - <i>Wheelbase (closed)</i>	155
Corsa - <i>Stroke</i>	1850
Ø perno fissaggio - <i>Fixing pin Ø</i>	30
Mat. perno/i - <i>Pin steel</i>	39NiCrMo3 BNF

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

Alesaggio - <i>Cylinder bore</i>	80
Diametro esterno - <i>Cyl. ext. diameter</i>	95
Diametro stelo - <i>Rod diameter</i>	50 - 35
Interasse aperto - <i>Wheelbase (open)</i>	2153
Interasse chiuso - <i>Wheelbase (closed)</i>	153
Corsa - <i>Stroke</i>	2000
Ø perni articolazione - <i>Artic. pin Ø</i>	30
Materiale perno/i - <i>Pin steel</i>	39NiCrMo3 BNF

CILINDRO 5° 6° SFILO 5TH 6TH 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>Wheelbase (open)</i>	2240
Interasse chiuso - <i>Wheelbase (closed)</i>	140
Corsa - <i>Stroke</i>	2100
Ø perno fissaggio - <i>Fixing pin Ø</i>	25
Mat. perno/i - <i>Pin steel</i>	39NiCrMo3 BNF

CILINDRO 7° SFILO 7TH 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>Wheelbase (open)</i>	2340
Interasse chiuso - <i>Wheelbase (closed)</i>	140
Corsa - <i>Stroke</i>	2200
Ø perni articolazione - <i>Artic. pin Ø</i>	25
Materiale perno/i - <i>Pin steel</i>	39NiCrMo3 BNF

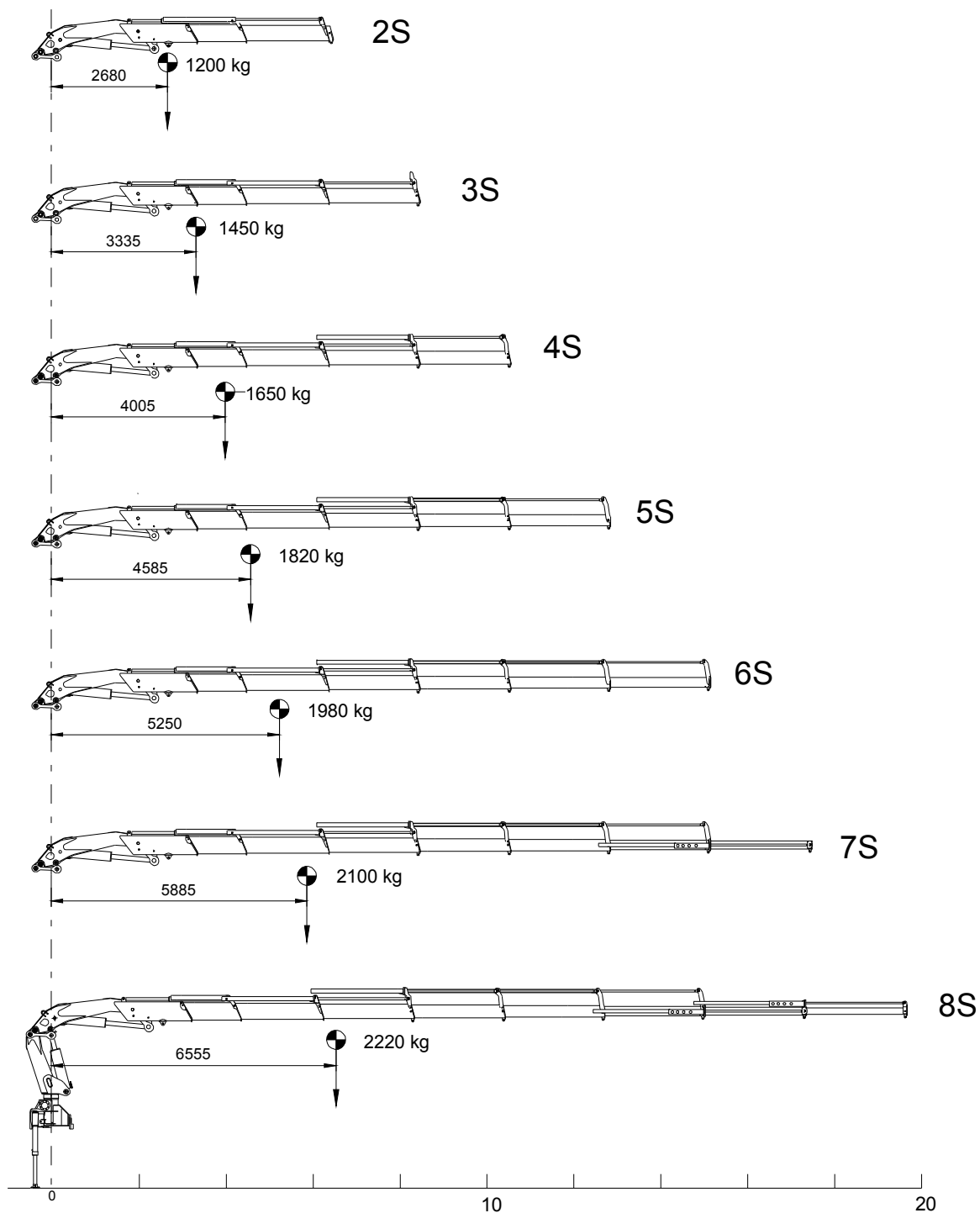
CILINDRO 8° SFILO 8TH EXTENSION CYL.

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>Wheelbase (open)</i>	2315
Interasse chiuso - <i>Wheelbase (closed)</i>	115
Corsa - <i>Stroke</i>	2200
Ø perni articolazione - <i>Artic. pin Ø</i>	25
Materiale perno/i - <i>Pin steel</i>	39NiCrMo3 BNF

CILINDRO DI ROTAZIONE ROTATION CYLINDER

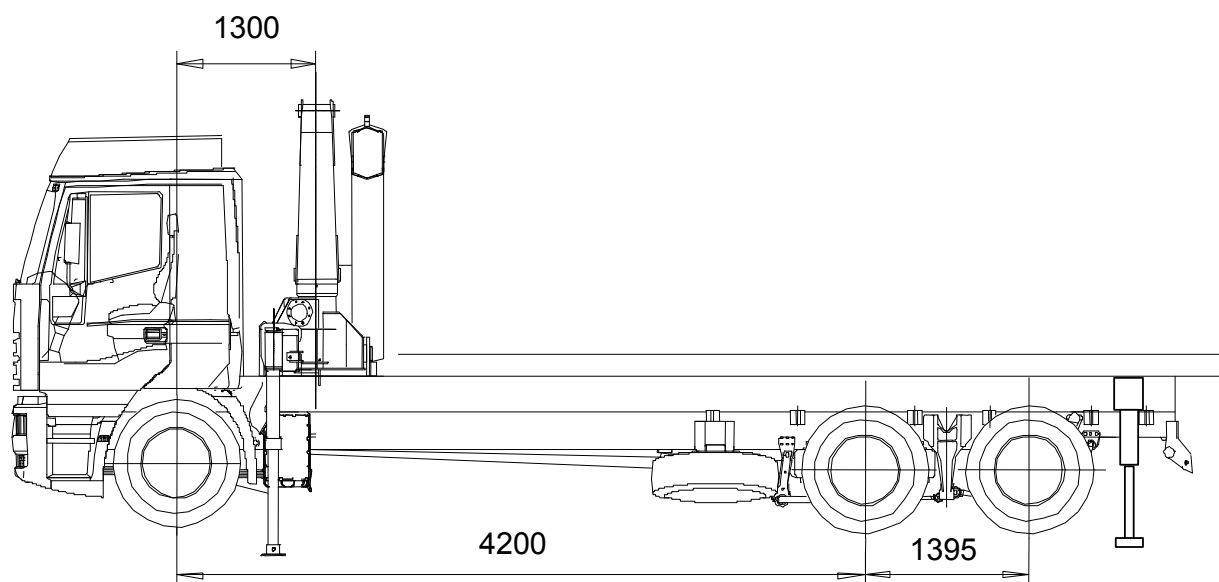
Alesaggio - <i>Cylinder bore</i>	140
Diametro esterno - <i>Cyl. ext. diameter</i>	160
Diametro stelo - <i>Rod diameter</i>	-
Interasse aperto - <i>Wheelbase (open)</i>	-
Interasse chiuso - <i>Wheelbase (closed)</i>	-
Corsa - <i>Stroke</i>	834
Ø perni articolazione - <i>Artic. pin Ø</i>	-
Materiale perno/i - <i>Pin steel</i>	-

PESI – BARICENTRI WEIGHTS – CENTER OF GRAVITY 2S - 8S



933C - 936C	
Massa parti fisse (kg) Fixed parts weight	2550

AUTOCARRO MINIMO CON STABILIZZATORI SUPPLEMENTARI
MIN TRUCK WITH SUPPLEMENTARY STABILIZERS
933C – 936C



PTT (GVW) = 240 q

DATI AUTOCARRO A VUOTO

Asse anteriore

Tara asse anteriore = 4615 kg

Tara ammissibile asse anteriore = 9000 kg

Asse posteriore

Tara asse posteriore = 3340 kg

PESI ALLESTIMENTO

Peso cassone = 1000 kg

Peso gru = 4530 kg (936C 6S)

Peso stabilizzatori = 550 kg

Peso controtelaio = 870 kg

CHASSIS DATA

Front axle

Front axle tare weight = 46150 kg

Allowable front axle weight = 9000 kg

Rear axle

Rear axle tare weight = 3340 kg

OUTFIT WEIGHTS

Body weight = 1000 kg

Crane weight = 4530 kg (936C 6S)

Stabilizers weight = 550 kg

Counterframe weight = 870 kg

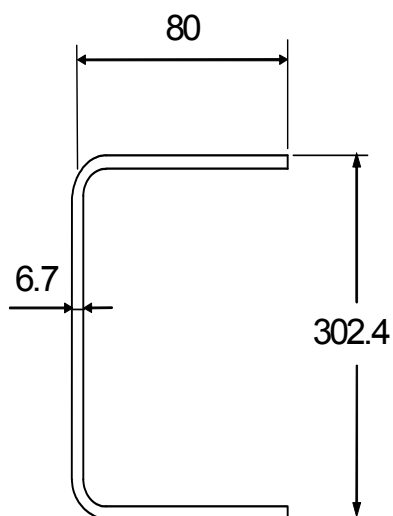
Coefficiente di stabilità = 1,62

Stability index = 1,62

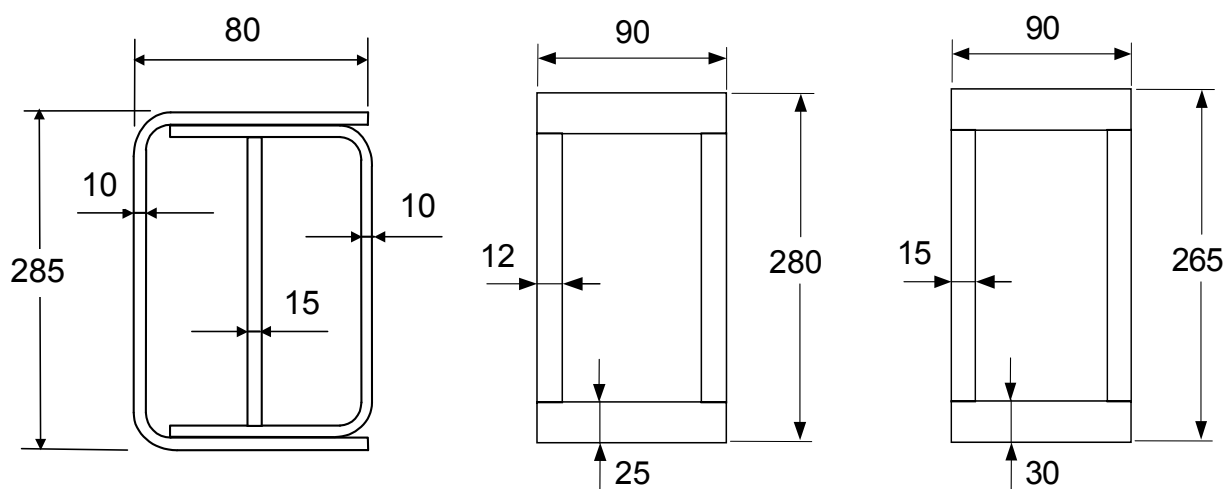
CONTROTELAIO MINIMO MIN COUNTERFRAME

Momento dinamico max (daNm) Max dynamic moment	38000
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Sezione telaio minima (autocarro PTT=240 q)
Min frame section (truck GVW 24 ton)



Sezione minima contro telaio (materiale Fe510 - S355)
Min counterframe section (steel S355)



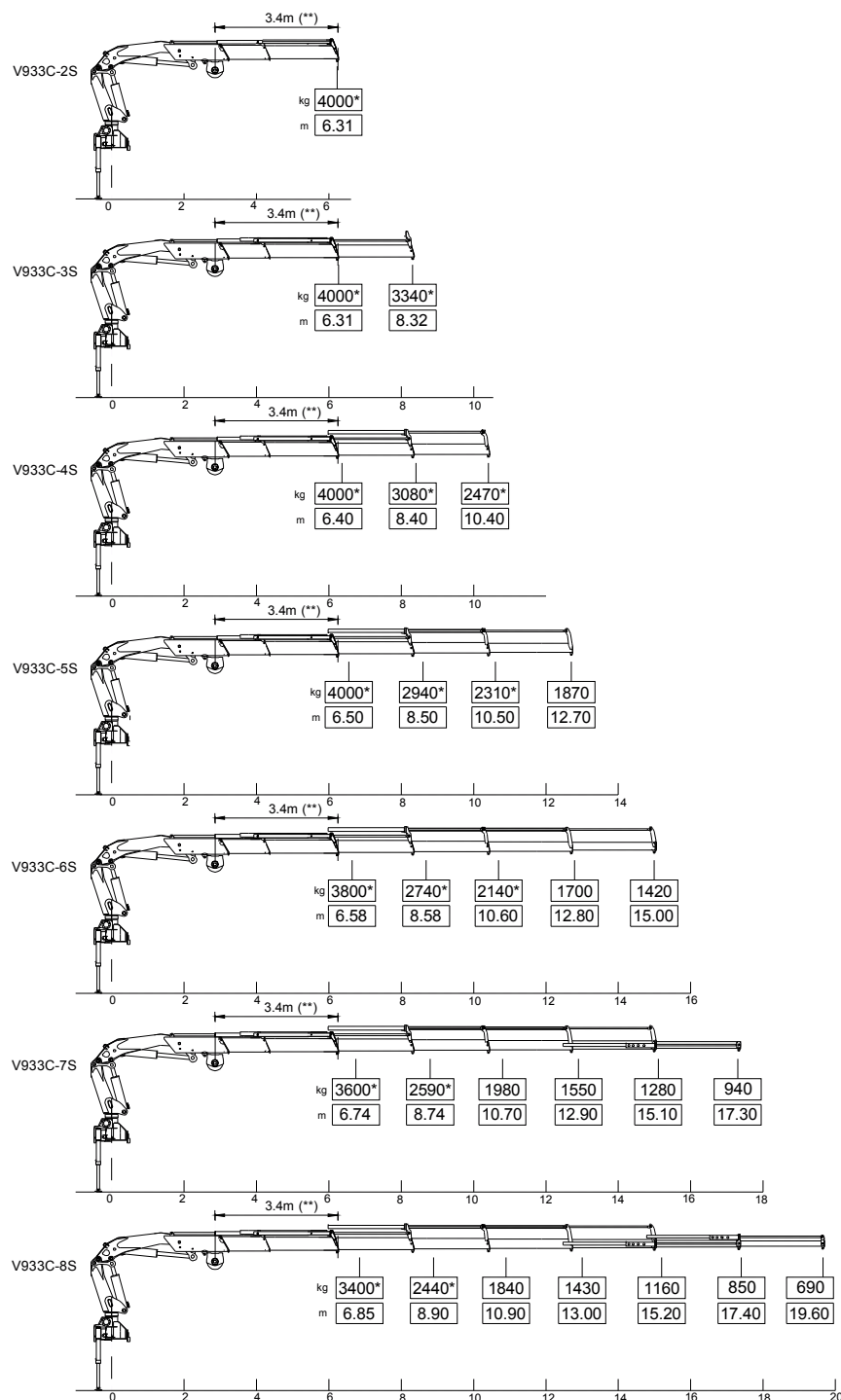
CARATTERISTICHE VERRICELLO IDRAULICO HYDRAULIC WINCH DATA

GRU CRANE V933C

Max tiro diretto (kg)

Max winch direct pull (kg)

2000 kg



(*) = 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

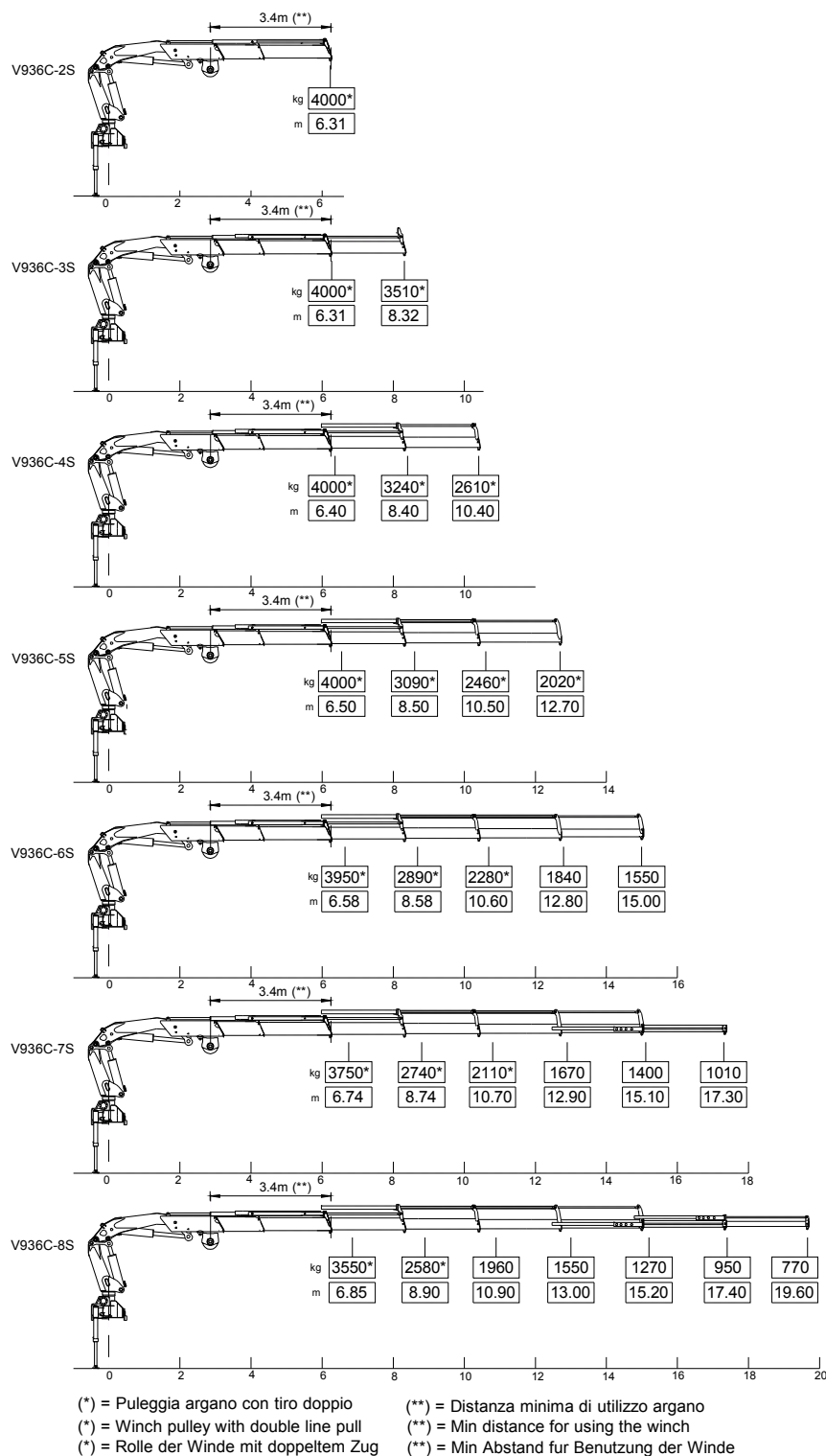
CARATTERISTICHE VERRICELLO IDRAULICO HYDRAULIC WINCH DATA

GRU CRANE V936C

Max tiro diretto (kg)

Max winch direct pull (kg)

2000 kg



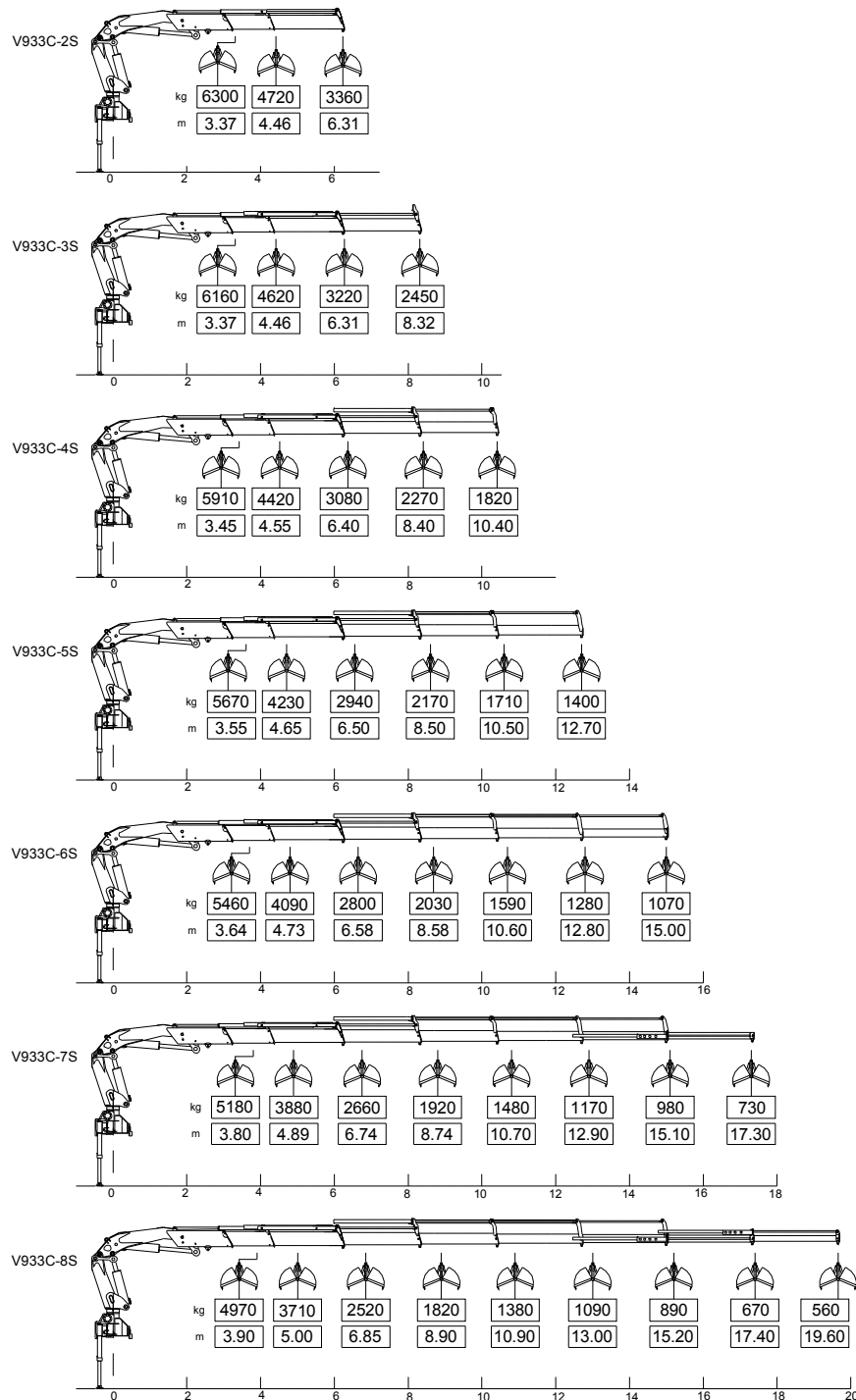
933C-936C**Crane - Kran**
Grue - Grua - Gru

CARATTERISTICHE ACCESSORI BENNA-POLIPO V933C

GRAB - BUCKET DATA

Peso massimo ammissibile Max allowable weight	420 kg
Capacità massima Max capacity	300 L
Pressione max. di esercizio Max working pressure	250 bar

933C-936C Crane - Kran Grue - Grua - Gru



933C-936C**Crane - Kran**
Grue - Grua - Gru

CARATTERISTICHE ACCESSORI BENNA-POLIPO V936C

GRAB - BUCKET DATA

Peso massimo ammissibile Max allowable weight	420 kg
Capacità massima Max capacity	300 L
Pressione max. di esercizio Max working pressure	260 bar

933C-936C

Crane - Kran
Grue - Grua - Gru

