

810C

RACCOLTA TECNICA TECHNICAL BOOK



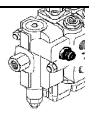
CARATTERISTICHE GENERALI TECHNICAL DATA

Momento dinamico max (daNm) Max dynamic moment	13300
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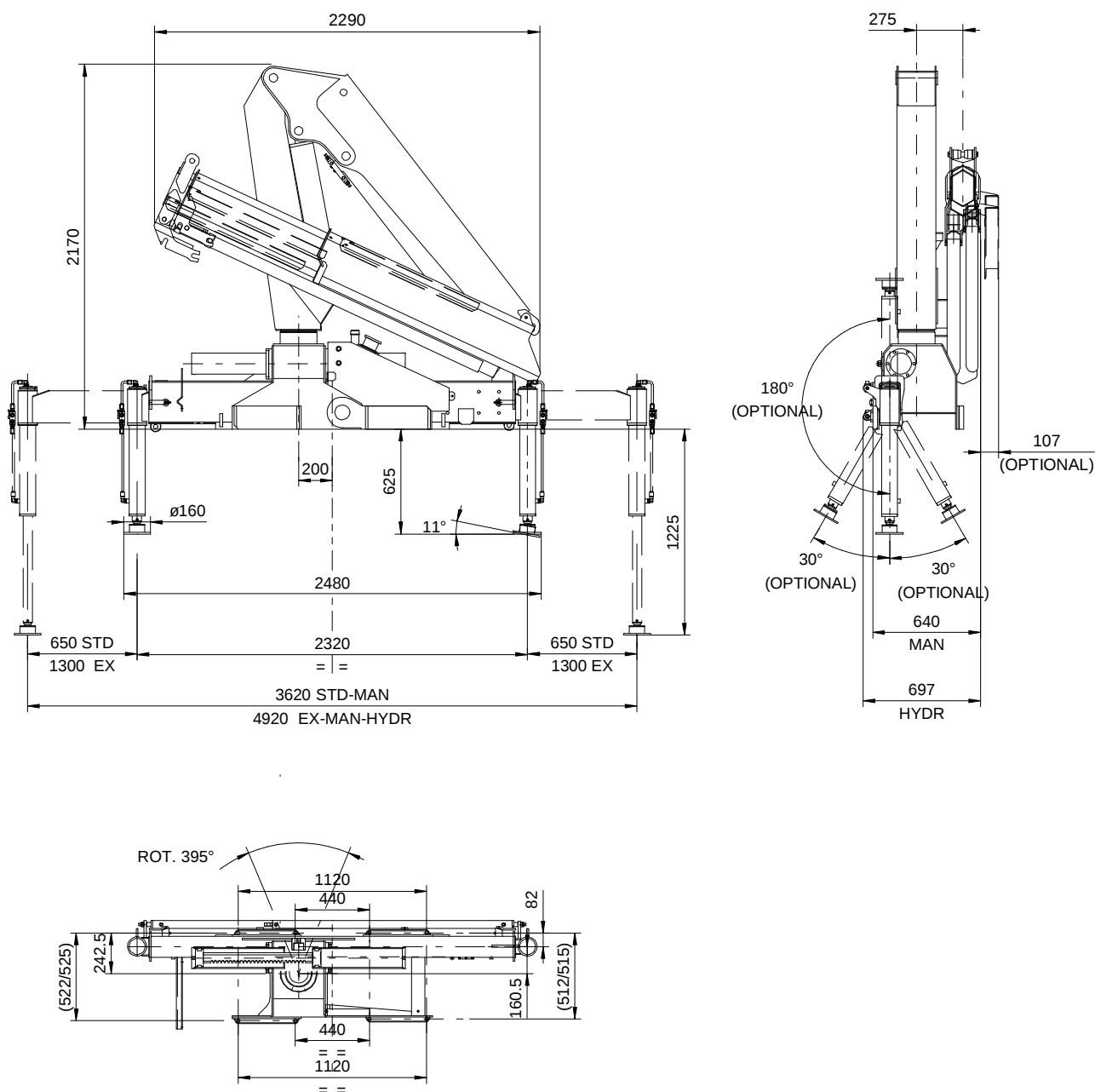
	Versione	Q _{max}
Portata max (kg) Max load	2S	4185
	3S	4050
	4S	3940
	5S	3850

	Versione	Stand.	EX man.	EX hydr.
Massa in ordine di lavoro (kg) Crane weight	2S	1300	1355	1400
	3S	1395	1450	1495
	4S	1485	1540	1585
	5S	1555	1610	1655

Reazione massima sullo stabilizzatore Max force on the stabilizer leg	7760 daN
Reazione massima sullo stabilizzatore extra Max force on the stabilizer extra	5710 daN
Carico massimo trasmesso al suolo da stabilizzatori standard Max standard stabilizer pressure on the ground	39 daN/cm ²
Carico massimo trasmesso al suolo da stabilizzatori extra Max extra stabilizer pressure on the ground	29 daN/cm ²
Pressione massima di esercizio Max working pressure	290 bar
Portata massima di olio Max oil flow to main relief valve	25 l/min
Capacità serbatoio olio Oil tank capacity	60 l
Coppia di rotazione Slewing moment	1150 daNm
Angolo di rotazione Slewing angle	395°
Potenza assorbita Absorbed power	15 kW 20 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		M 7/8" - 14 Jic	M 7/8" - 14 Jic
Linea di aspirazione serbatoio Tank suction line		F 1" BSP	F 1" BSP

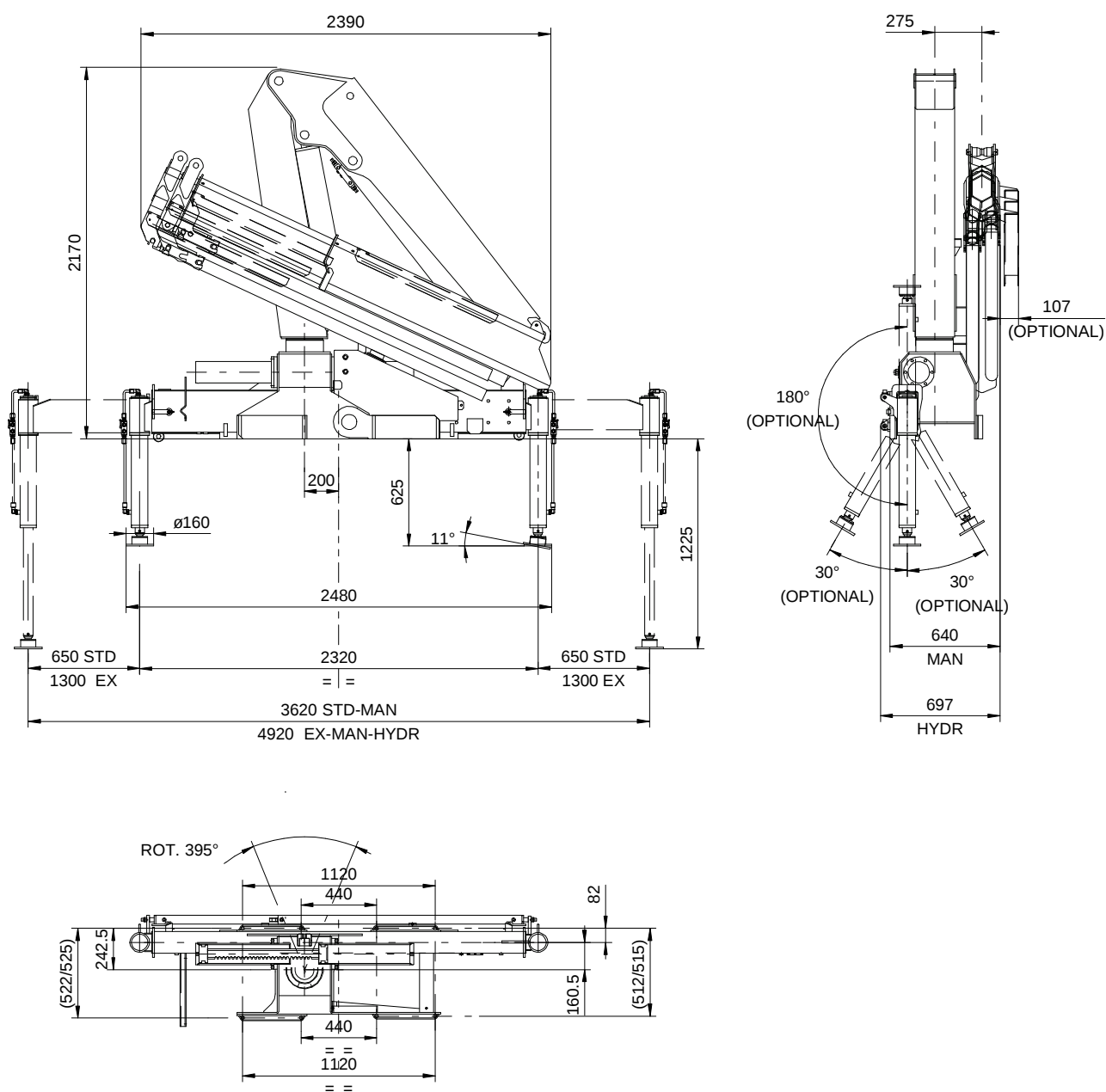
DIMENSIONI DI INGOMBRO
DIMENSIONS
810C 2S



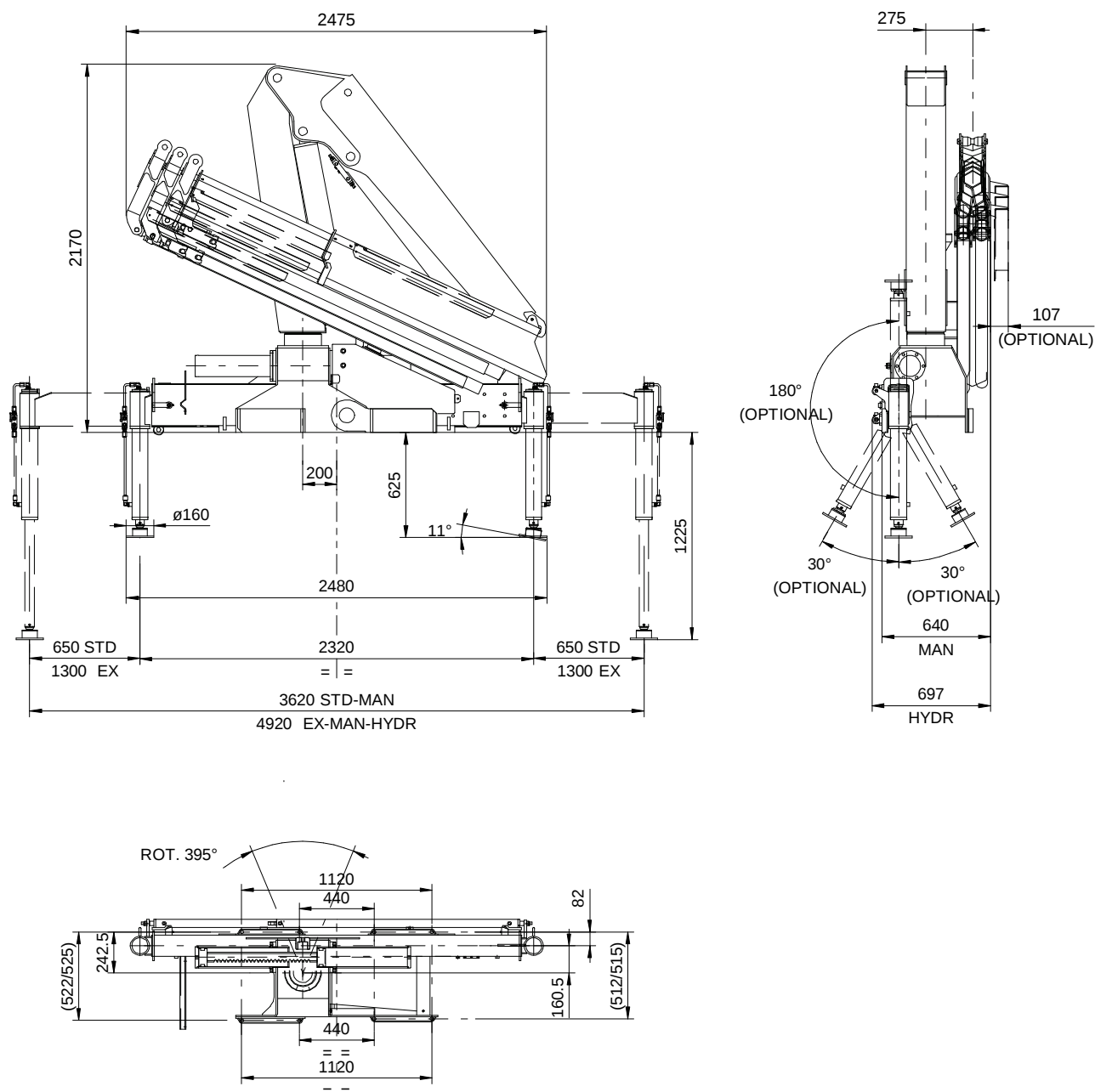
DIMENSIONI DI INGOMBRO

DIMENSIONS

810C 3S



DIMENSIONI DI INGOMBRO
DIMENSIONS
810C 4S



DIMENSIONI DI INGOMBRO
DIMENSIONS
810C 5S

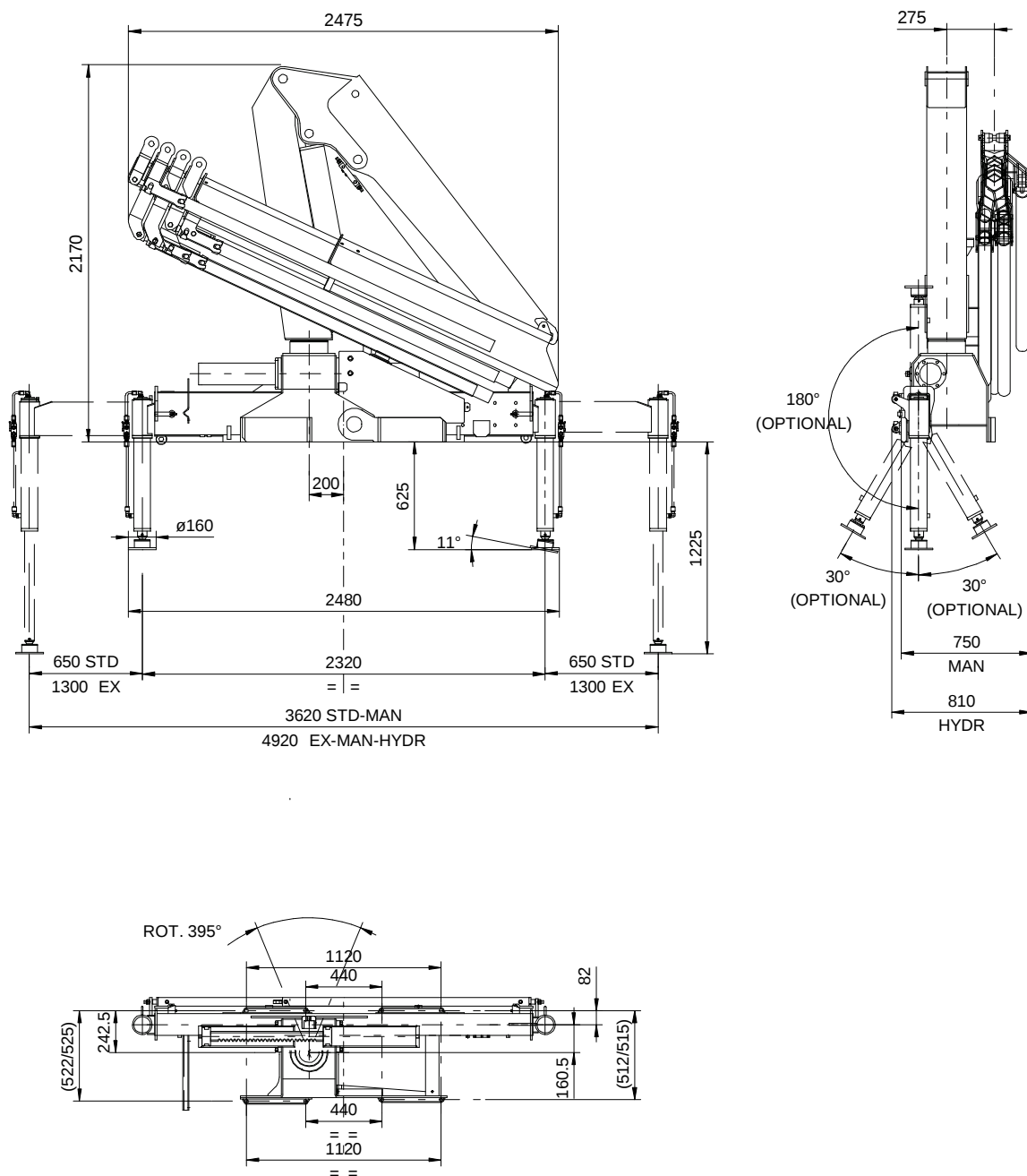


DIAGRAMMA PORTATE
LOAD DIAGRAM
810C 2S

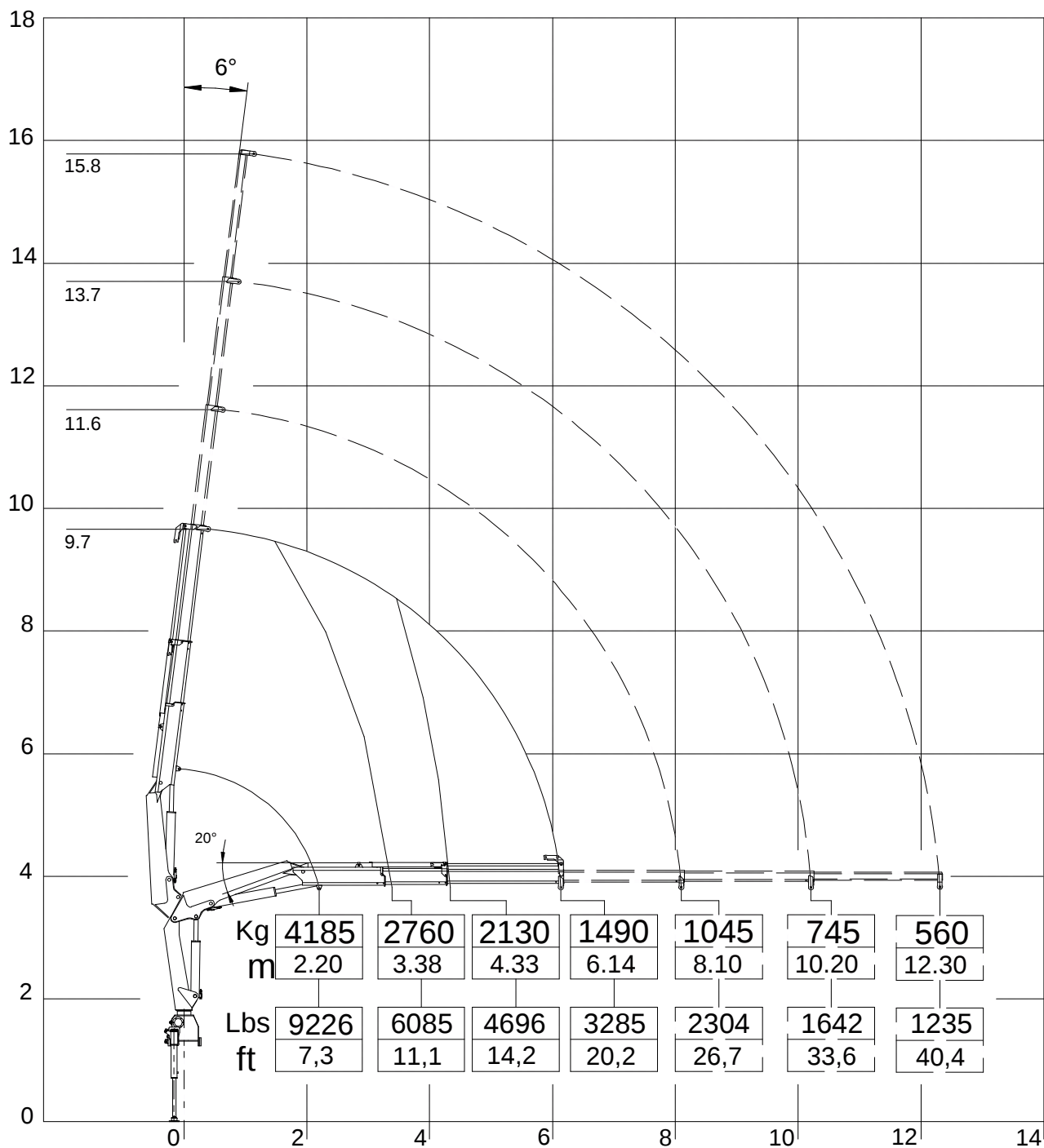


DIAGRAMMA PORTATE
LOAD DIAGRAM
810C 3S

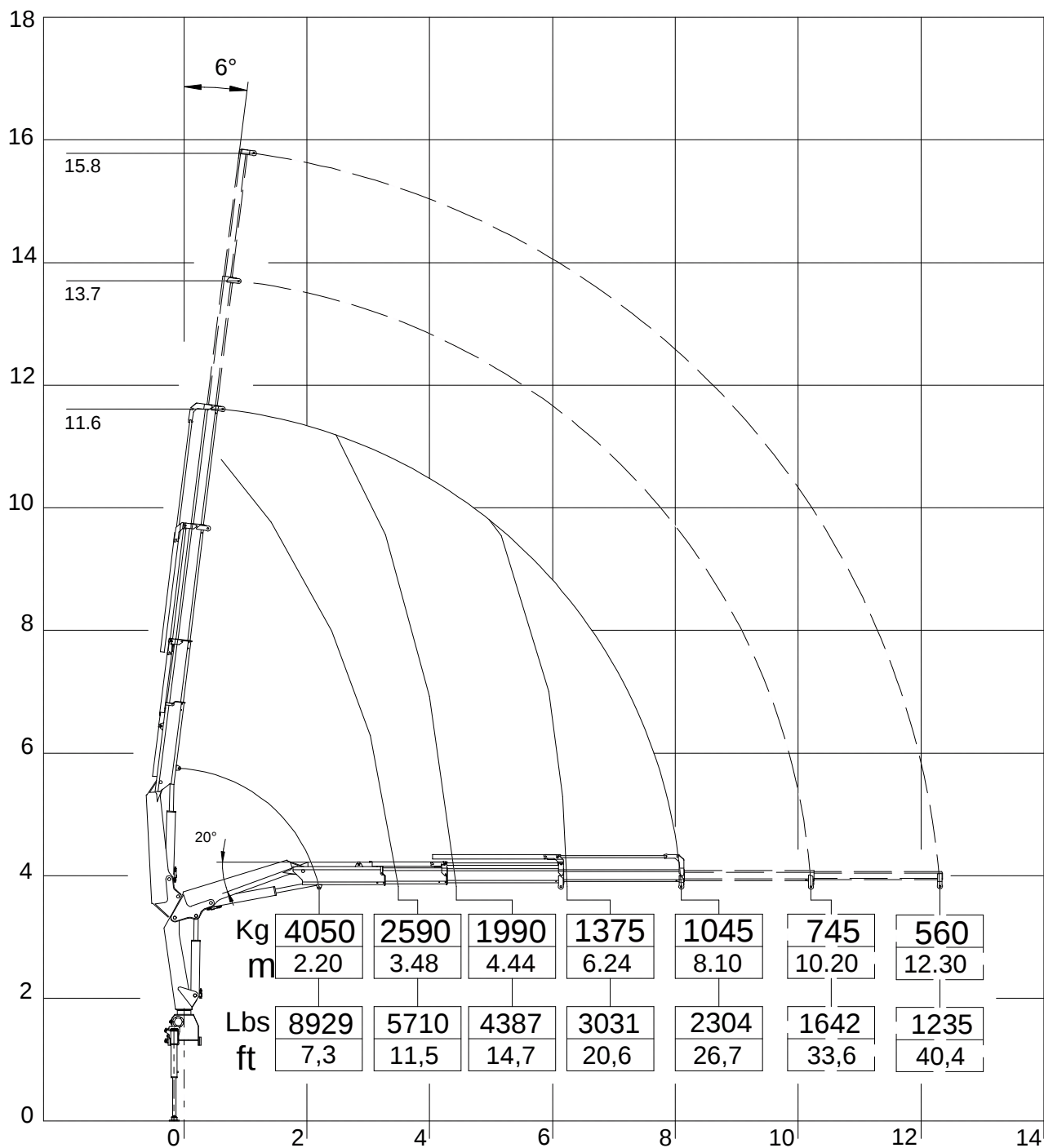


DIAGRAMMA PORTATE LOAD DIAGRAM 810C 4S

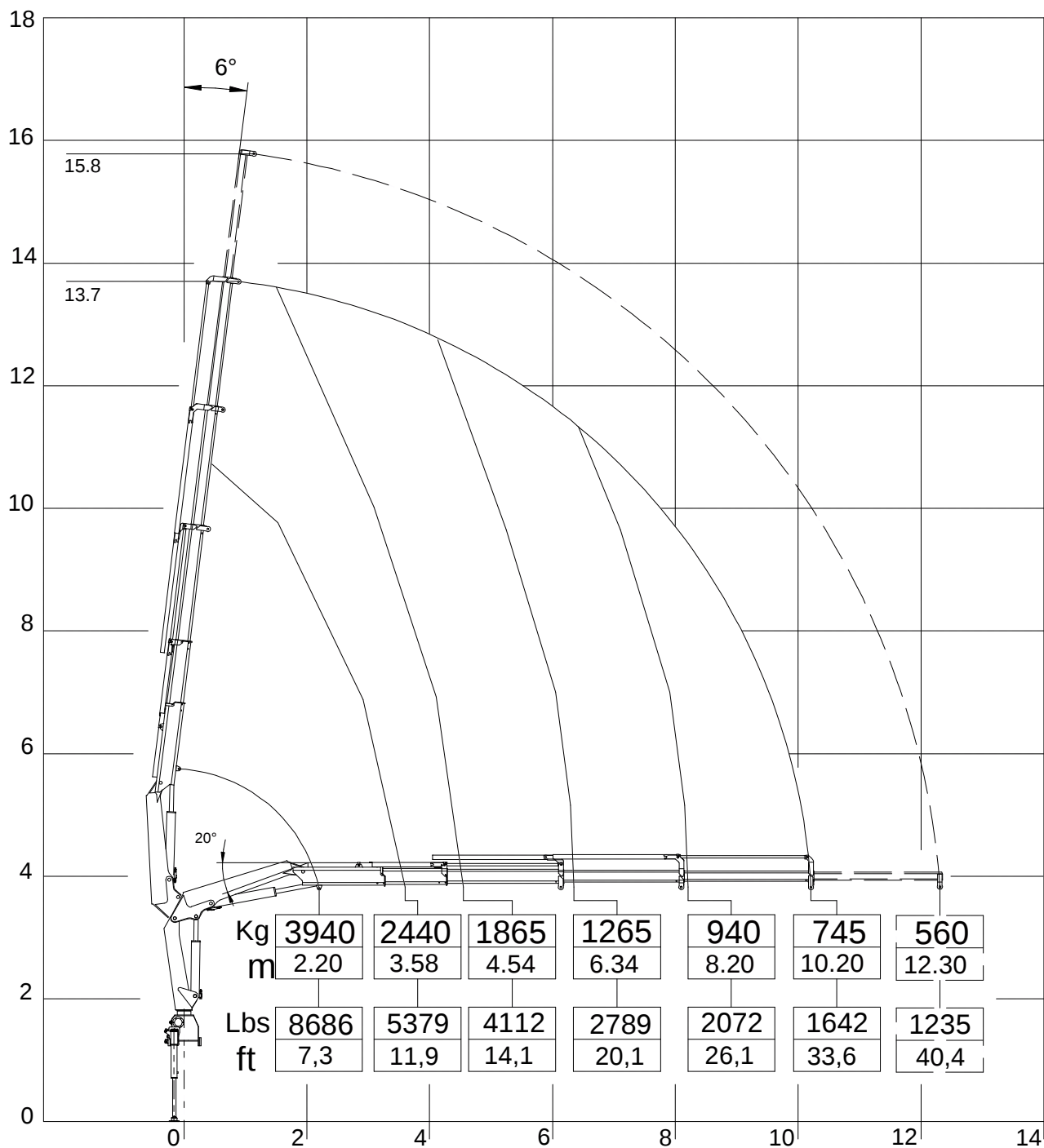
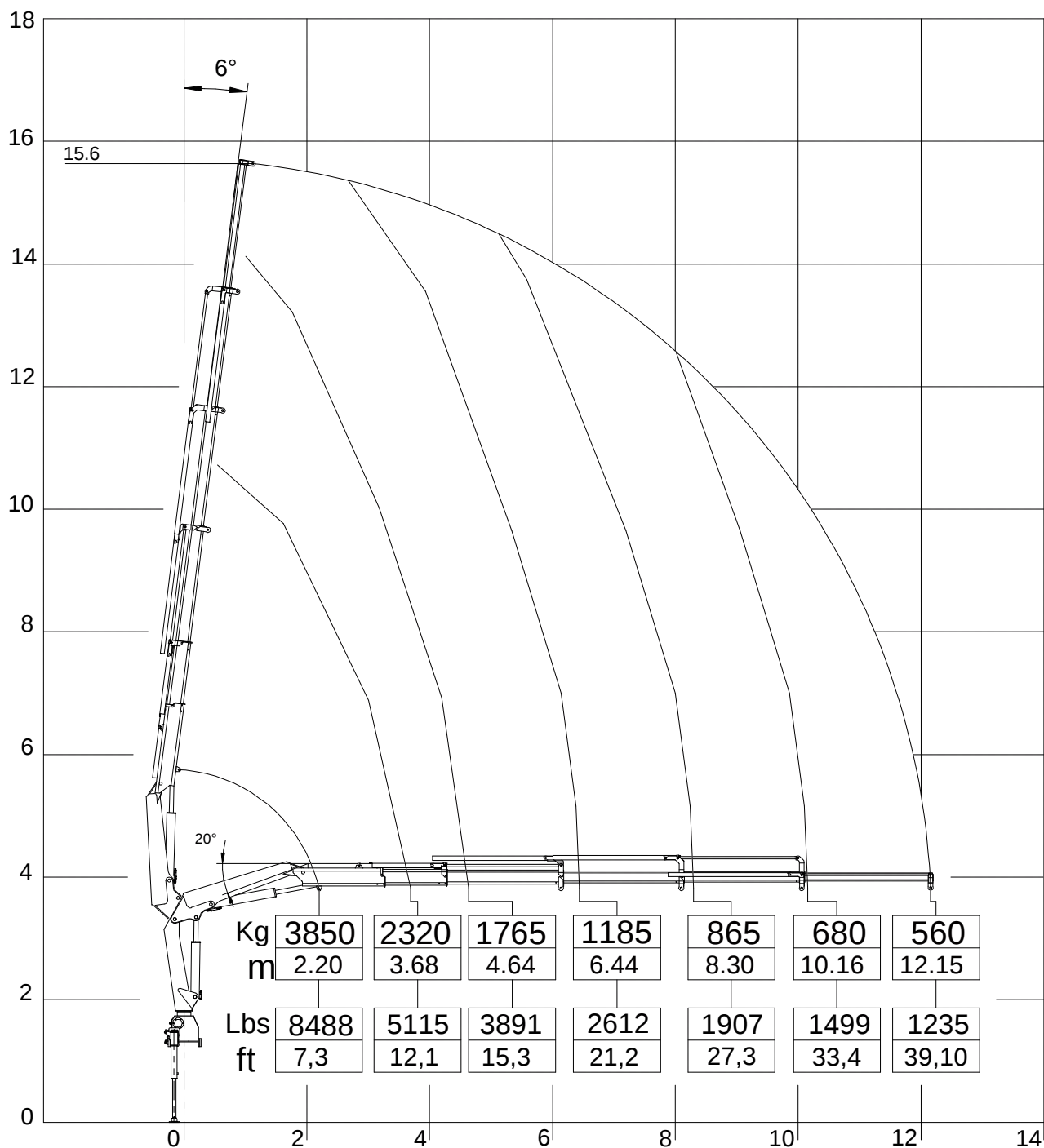
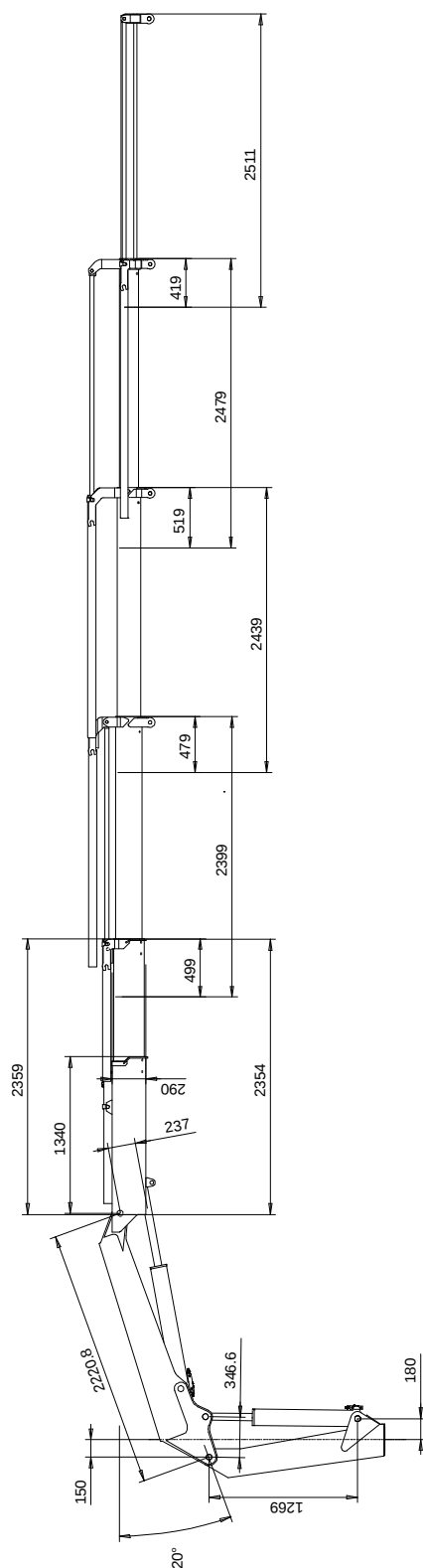


DIAGRAMMA PORTATE LOAD DIAGRAM 810C 5S



DIMENSIONALE COLONNA E BRACCI
COLUMN - BOOM - DIMENSIONS

DIMENSIONI MARTINETTI

CYLINDERS DIMENSIONS

CYLINDERS DIMENSIONS

CILINDRO DI SOLLEVAMENTO

LIFTING CYLINDER

Alesaggio - Cylinder bore	120
Diametro esterno - Cyl. ext. diameter	140
Diametro stelo - Rod diameter	65 - 0
Interasse aperto - Pitch (open)	1636.5
Interasse chiuso - Pitch (closed)	971.5
Corsa - Stroke	665
Raccordi - Fittings	3/4" – 16
Ø perni articolazione - Artic. pin Ø	50
Materiale perno/i - Pin steel	39NiCrMo3 BNF

CILINDRO DI ARTICOLAZIONE

ARTICULATION CYLINDER

Alesaggio - Cylinder bore	120
Diametro esterno - Cyl. ext. diameter	140
Diametro stelo - Rod diameter	65 - 0
Interasse aperto - Pitch (open)	1975
Interasse chiuso - Pitch (closed)	1140
Corsa - Stroke	835
Raccordi - Fittings	3/4" – 16
Ø perno fissaggio - Fixing pin Ø	50
Mat. perno/i - Pin steel	39NiCrMo3 BNF

CILINDRO 1° SFILO

1ST EXTENSION CYL.

Alesaggio - Cylinder bore	65
Diametro esterno - Cyl. ext. diameter	75
Diametro stelo - Rod diameter	40 - 25
Interasse aperto - Pitch (open)	1350
Interasse chiuso - Pitch (closed)	400
Corsa - Stroke	950
Raccordi - Fittings	9/16"-18
Ø perni articolazione - Artic. pin Ø	25
Materiale perno/i - Pin steel	C40 NORM.

CILINDRO 2° SFILO

2ND EXTENSION CYL.

Alesaggio - Cylinder bore	60
Diametro esterno - Cyl. ext. diameter	70
Diametro stelo - Rod diameter	35 - 25
Interasse aperto - Pitch (open)	1900
Interasse chiuso - Pitch (closed)	100
Corsa - Stroke	1800
Raccordi - Fittings	3/4" – 16
Ø perno fissaggio - Fixing pin Ø	25
Mat. perno/i - Pin steel	C40 NORM.

CILINDRO 3° - 4° SFILO

3RD - 4TH EXTENSION CYL.

Alesaggio - Cylinder bore	60
Diametro esterno - Cyl. ext. diameter	70
Diametro stelo - Rod diameter	35 - 25
Interasse aperto - Pitch (open)	1960
Interasse chiuso - Pitch (closed)	100
Corsa - Stroke	1860
Raccordi - Fittings	3/4" – 16
Ø perni articolazione - Artic. pin Ø	25
Materiale perno/i - Pin steel	C40 NORM.

CILINDRO 5° SFILO

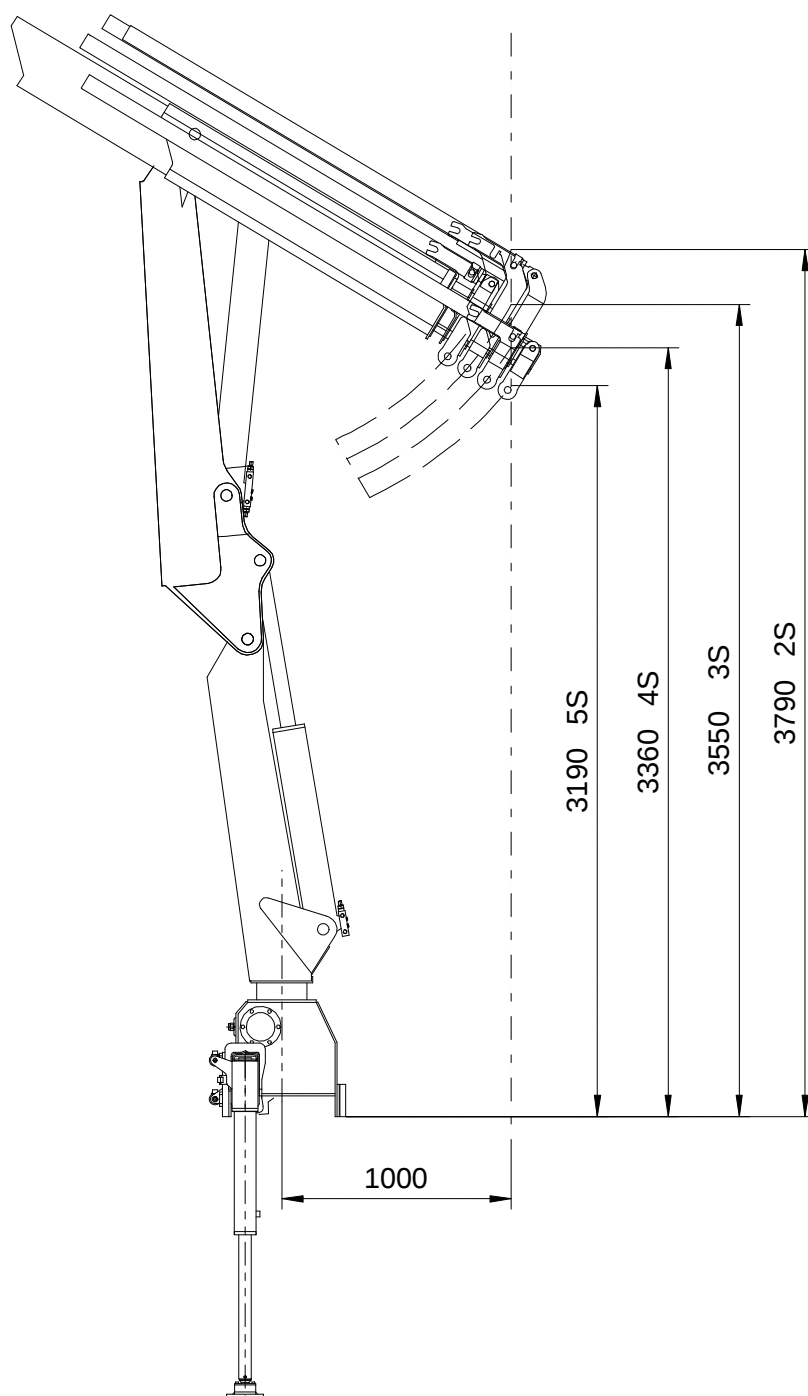
5TH EXTENSION CYL.

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	C40 NORM.

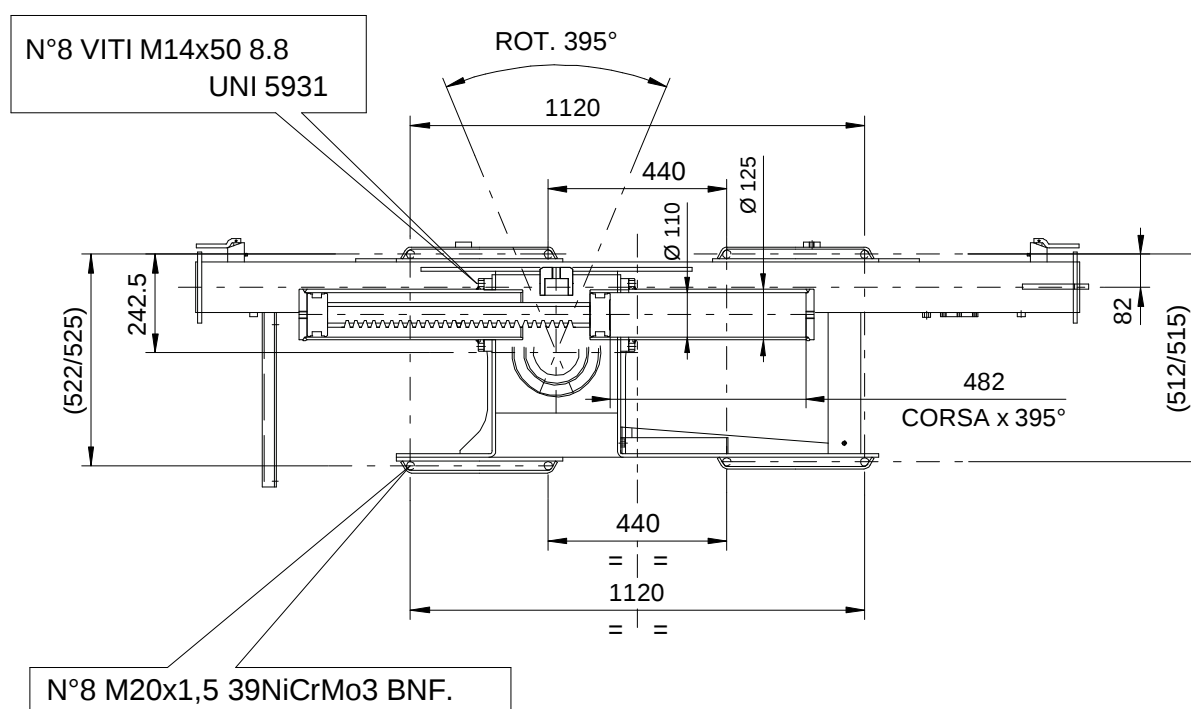
CILINDRO DI ROTAZIONE

ROTATION CYLINDER

Alesaggio - Cylinder bore	110
Diametro esterno - Cyl. ext. diameter	125
Diametro stelo - Rod diameter	-
Interasse aperto - Pitch (open)	-
Interasse chiuso - Pitch (closed)	-
Corsa - Stroke	482
Raccordi - Fittings	-
Ø perno fissaggio - Fixing pin Ø	-
Mat. perno/i - Pin steel	-

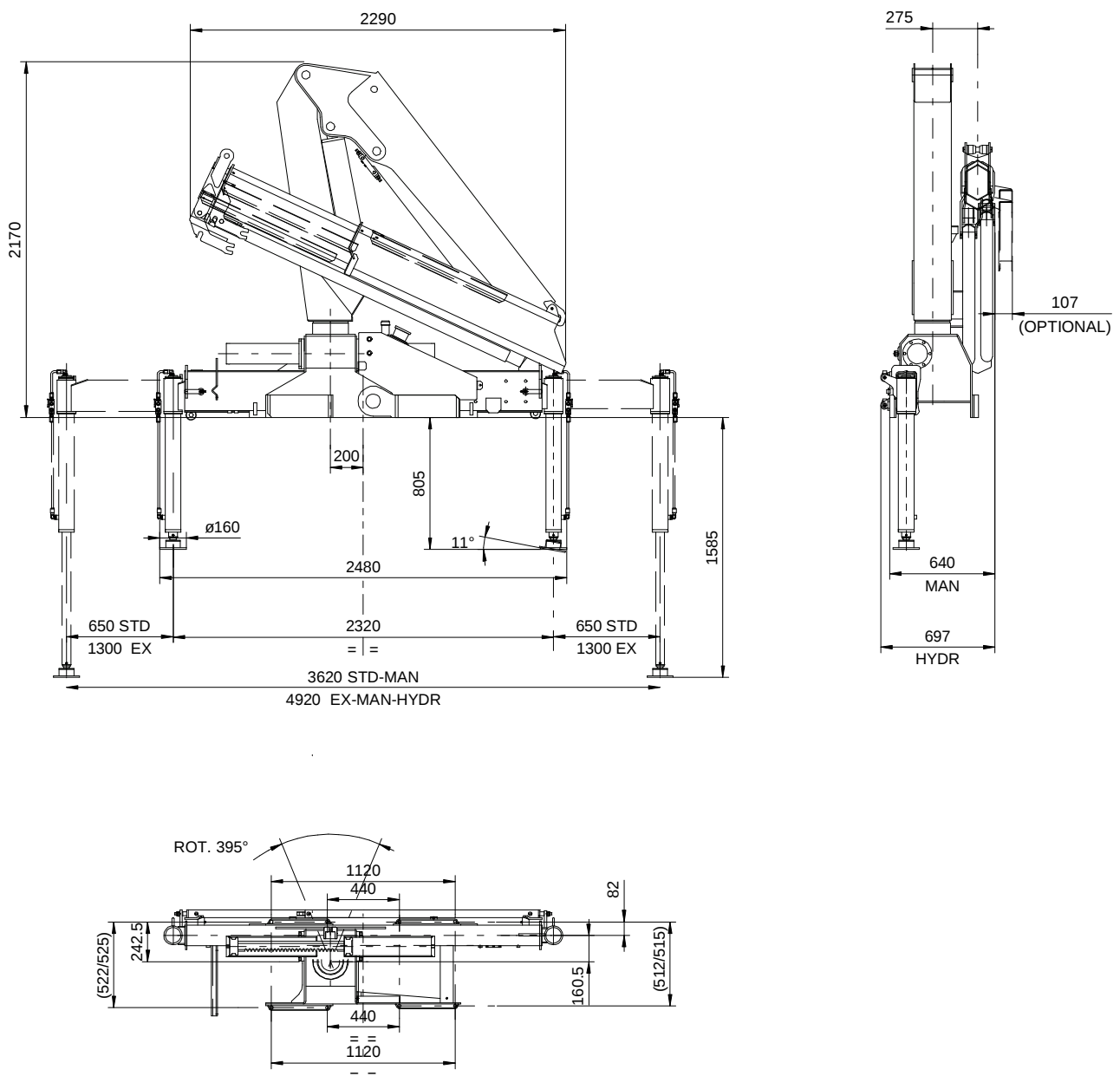
ALTEZZA ATTACCO GANCIO
HOOK HEIGHT

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

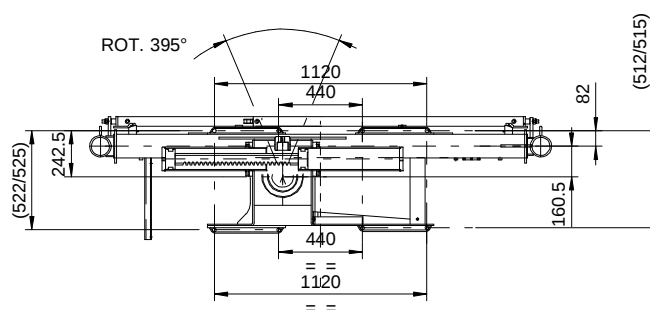
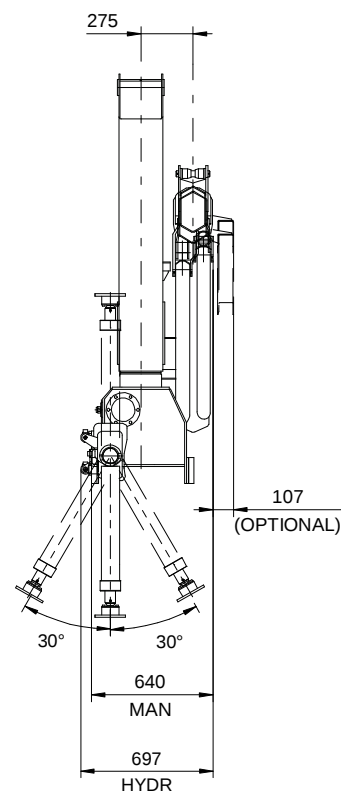
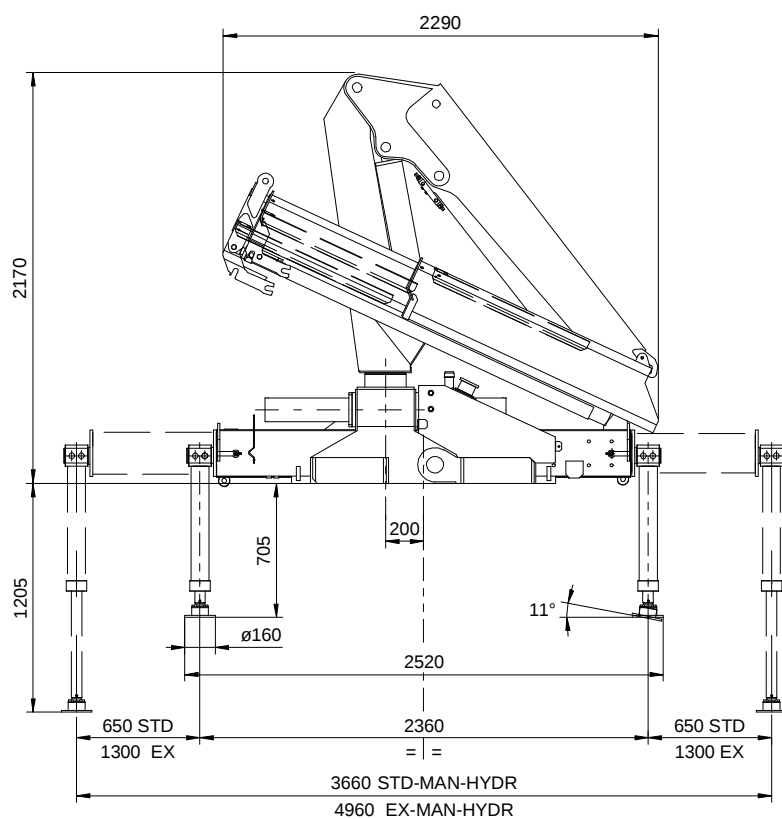


Tiranti di staffaggio Mounting rods	N°8 M20x1.5 39NiCrMo3
Viti fissaggio canna di rotazione Rotation cylinder fixing bolts	N°8 M14x50 8.8 UNI 5931 Coppia di serraggio (Tightening torque) 80 Nm

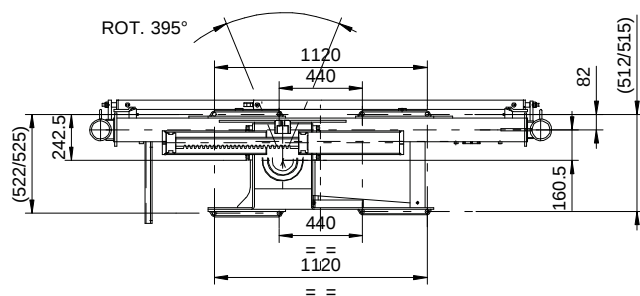
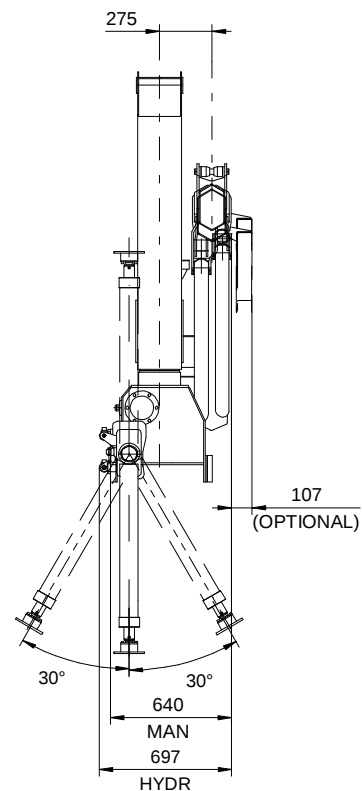
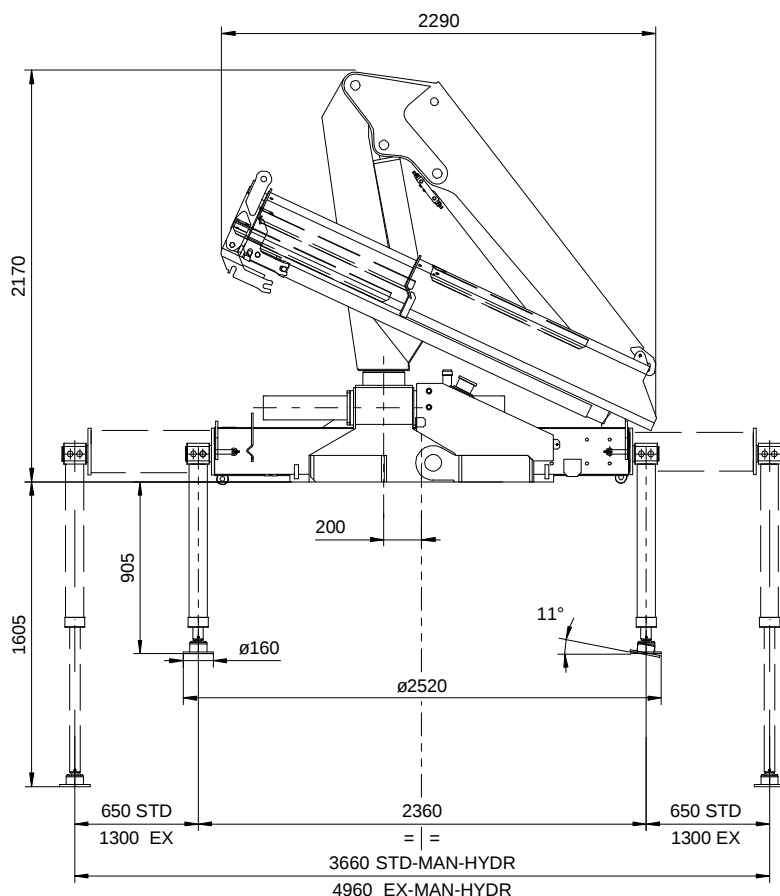
DIMENSIONI BASAMENTO CON STABILIZZATORI SCORREVOLI LUNGHI



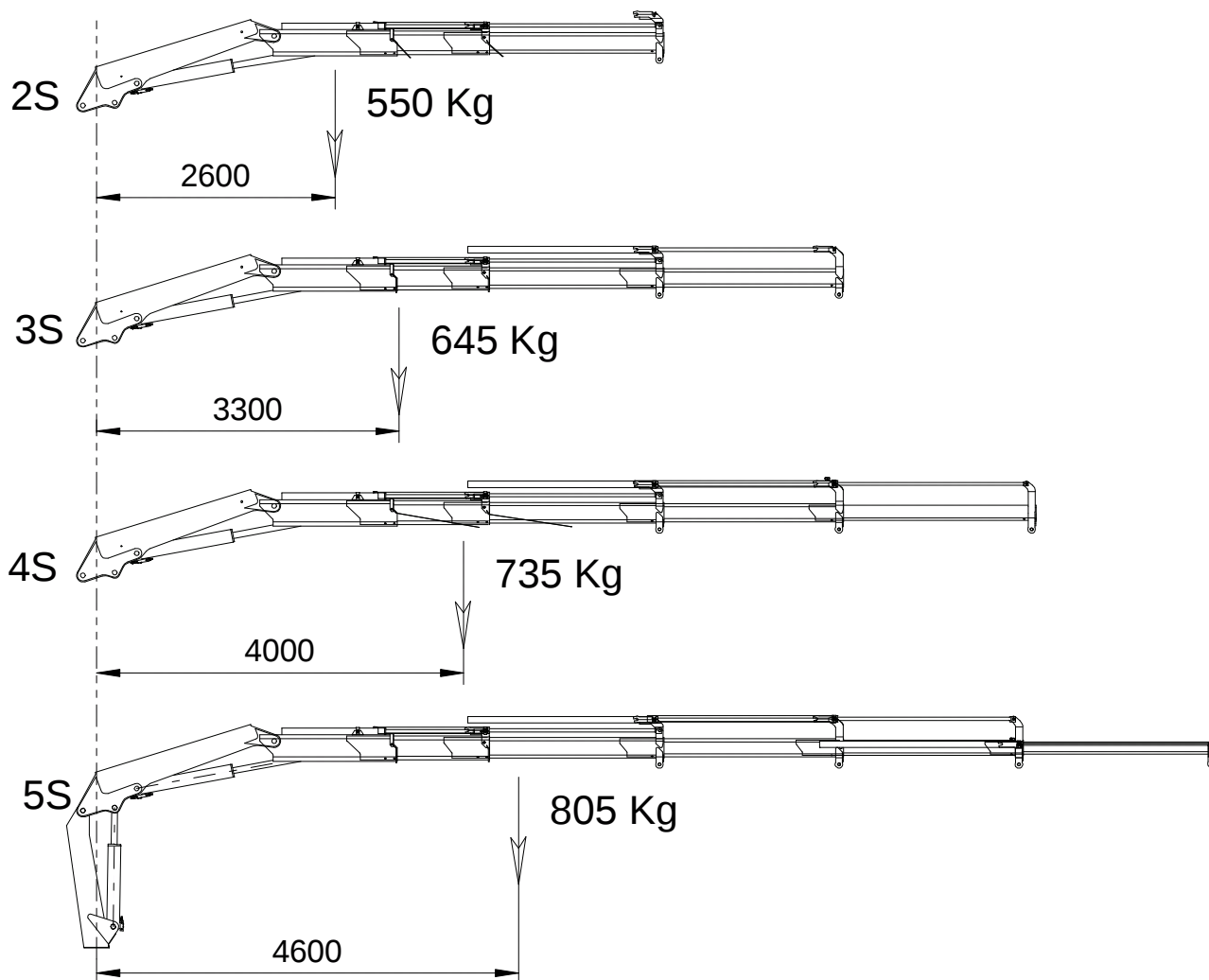
DIMENSIONI BASAMENTO CON CILINDRI STABILIZZATORI ROTANTI STD
BASE DIMENSIONS WITH TILTING STD CYLINDERS



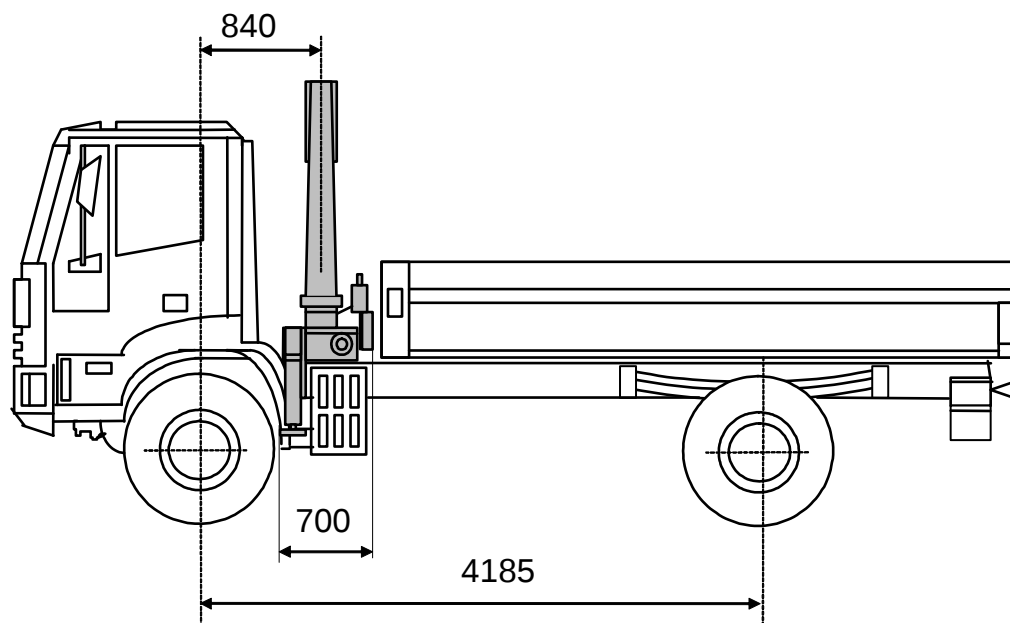
**TRAVERSA CON STABILIZZATORI GIREVOLI LUNGH
CROSSBAR WITH LONG TILTING CYLINDER**



PESI – BARICENTRI WEIGHTS – CENTER OF GRAVITY



	Stand.	EX man.	EX hydr.
Massa parti fisse (kg) Fixed parts weights	750	805	850

AUTOCARRO MINIMO SENZA STABILIZZATORI SUPPLEMENTARI
MIN TRUCK WITHOUT SUPPLEMENTARY STABILIZERS**PTT (GVW) = 130 q****DATI AUTOCARRO A VUOTO****Asse anteriore**

Tara asse anteriore = 2875 kg

Tara ammissibile asse anteriore = 4800 kg

Asse posteriore

Tara asse posteriore = 1375 kg

PESI ALLESTIMENTO

Peso cassone = 600 kg

Peso gru = 1655 kg (810C 5S ST.EX hydr.)

Peso controtelaio = 80 kg

CHASSIS DATA**Front axle**

Front axle tare weight = 2875 kg

Allowable front axle weight = 4800 kg

Rear axle

Rear axle tare weight = 1375 kg

OUTFIT WEIGHTS

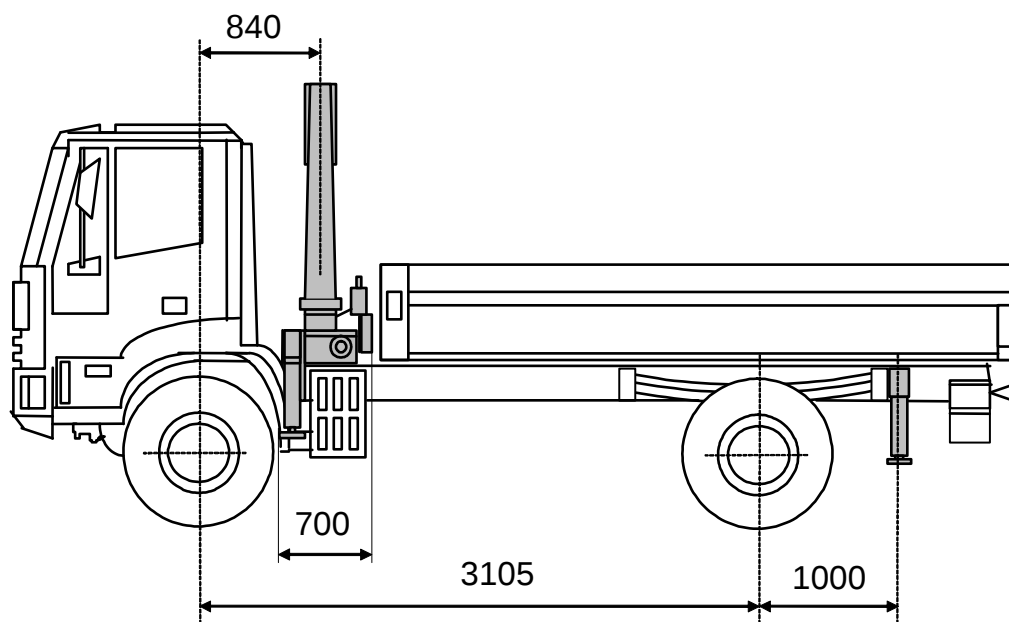
Body weight = 600 kg

Crane weight = 1655 kg (810C 5S ST.EX.hydr.)

Counterframe weight = 80 kg

Coefficiente di stabilità = 1,33**Stability index = 1,33**

AUTOCARRO MINIMO CON STABILIZZATORI SUPPLEMENTARI
MIN TRUCK WITH SUPPLEMENTARY STABILIZERS



PTT (GVW) = 120 q

DATI AUTOCARRO A VUOTO

Asse anteriore

Tara asse anteriore = 2790 kg

Tara ammissibile asse anteriore = 4400 kg

Asse posteriore

Tara asse posteriore = 1180 kg

PESI ALLESTIMENTO

Massa cassone = 600 kg

Massa gru = 1655 kg (810 5S ST.EX. ydr.)

Massa controtelaio = 120 kg

Stabilizzatori supplementari

Apertura minima = 3000 mm

Peso stabilizzatori supplementari = 130kg

Coefficiente di stabilità = 1,8

CHASSIS DATA

Front axle

Front axle tare weight = 2790 kg

Allowable front axle weight = 4400 kg

Rear axle

Rear axle tare weight = 1180 kg

OUTFIT WEIGHTS

Body weight = 600 kg

Crane weight = 1655 kg (810C 5S ST.EX.hydr.)

Counterframe weight = 120 kg

Rear beam stabilizers

Min. width = 3000 mm

Rear stabilizer weight = 130Kg

Stability index = 1,8

CONTROTELAIO MINIMO MIN COUNTERFRAME

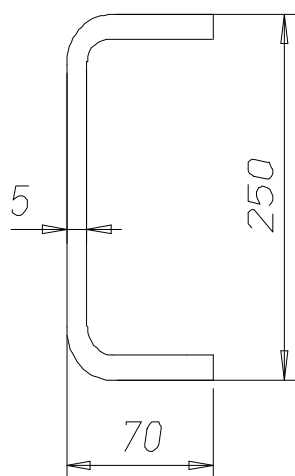
Momento dinamico max (daNm)

Max dynamic moment

13300

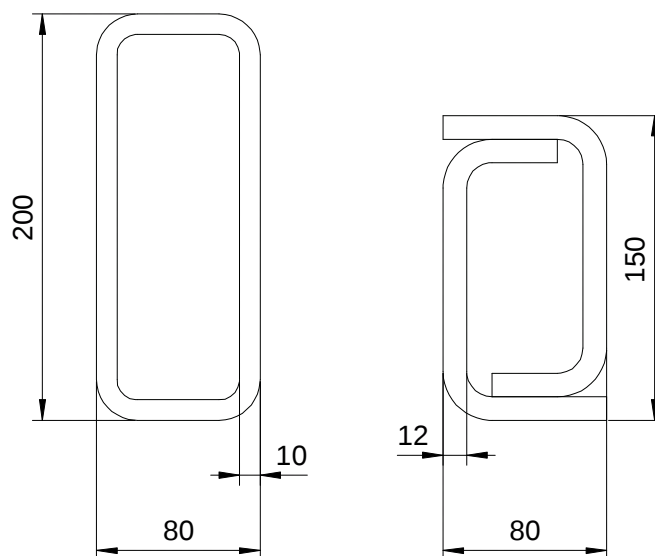
Sezione telaio minima (autocarro PTT=120 q)

Min frame section (truck GVW 12 ton)



Sezione minima contro telaio (materiale Fe510 - S355)

Min counterframe section (steel S355)

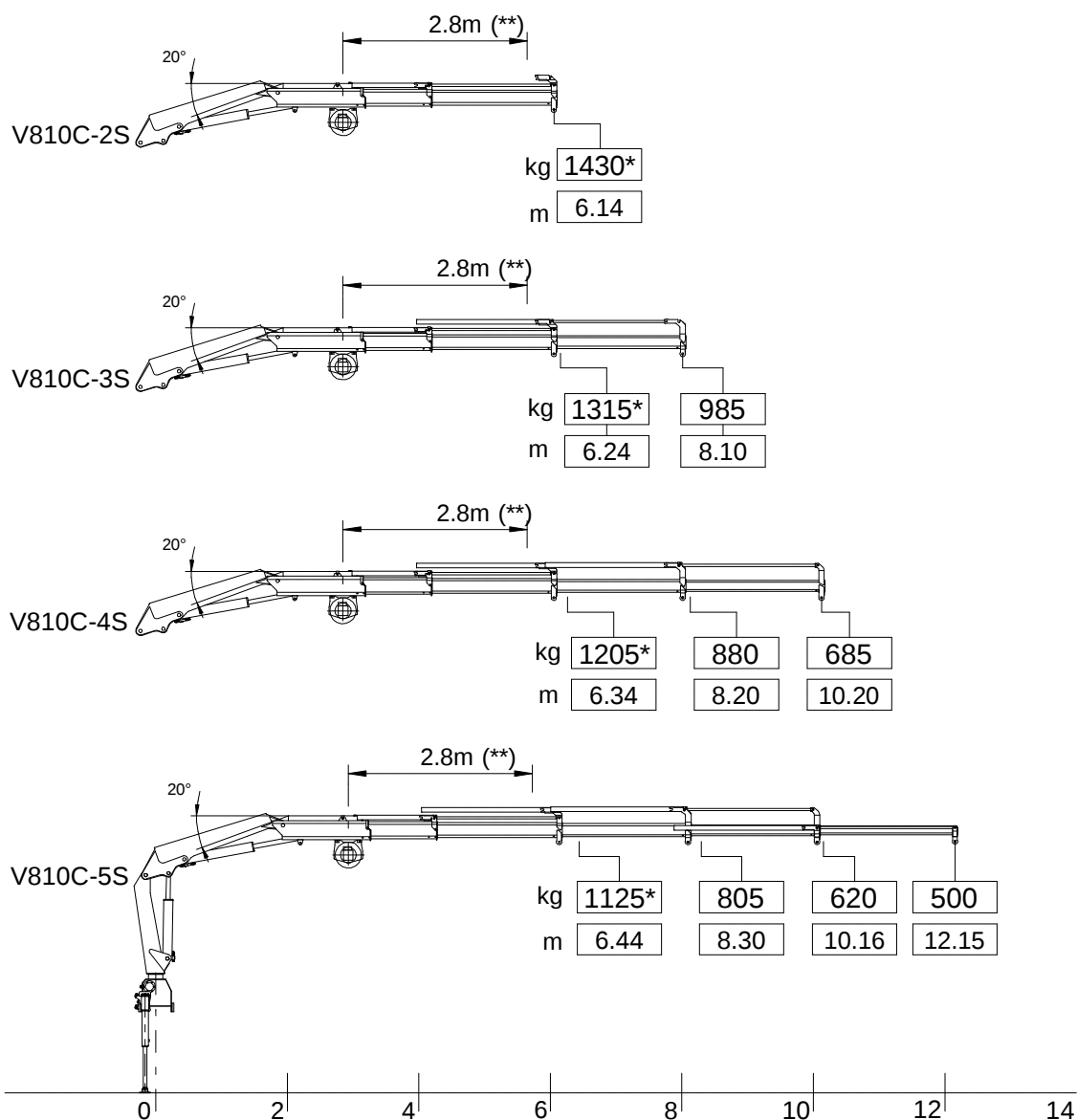


CARATTERISTICHE VERRICELLO IDRAULICO HYDRAULIC WINCH DATA

Max tiro diretto (kg)

Max winch direct pull (kg)

1000 kg



(*) = Puleggia argano con tiro doppio
(*) = Winch pulley with double line pull
(*) = Seilblock mit doppeltem Zug

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

CARATTERISTICHE ACCESSORI BENNA-POLIPO GRAB - BUCKET DATA

Peso massimo ammissibile Max allowable weight	350 kg
Pressione max. di esercizio Max working pressure	200 bar

