

810C

RACCOLTA TECNICA TECHNICAL BOOK



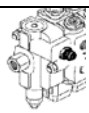

CARATTERISTICHE GENERALI TECHNICAL DATA

| | |
|--|-------|
| Momento dinamico max (daNm) Max dynamic moment | 13300 |
|--|-------|

| | 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 |

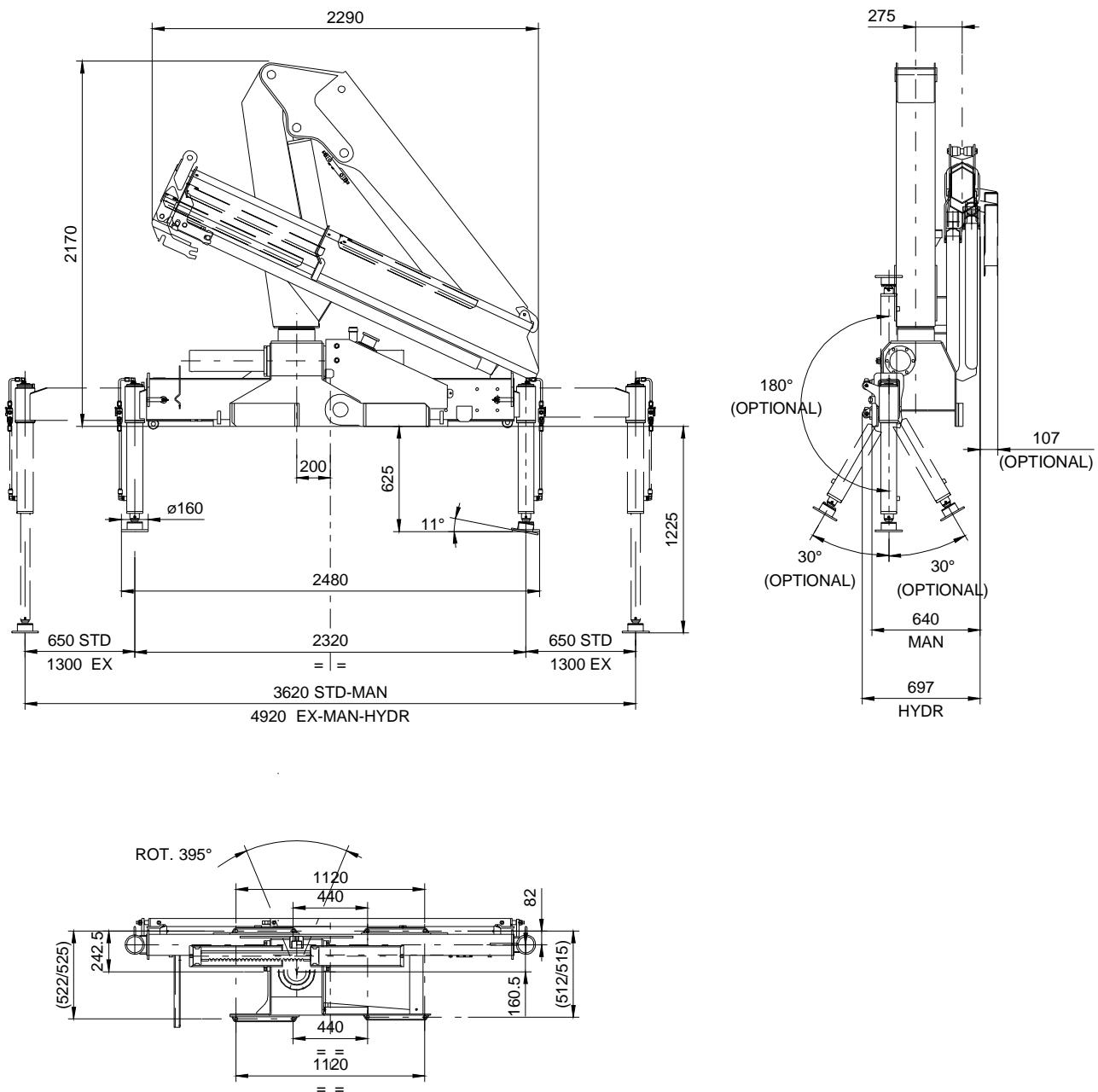
| Raccordi di collegamento con pompa Fittings for connection with pump | | NO RDC | RDC |
|--|---|--------------------|--------------------|
| Linea di pressione distributore Control valve pressure line |  | M 7/8" - 14 Jic | M 7/8" - 14 Jic |
| Linea di aspirazione serbatoio Tank suction line |  | F 1" BSP | F 1" BSP |

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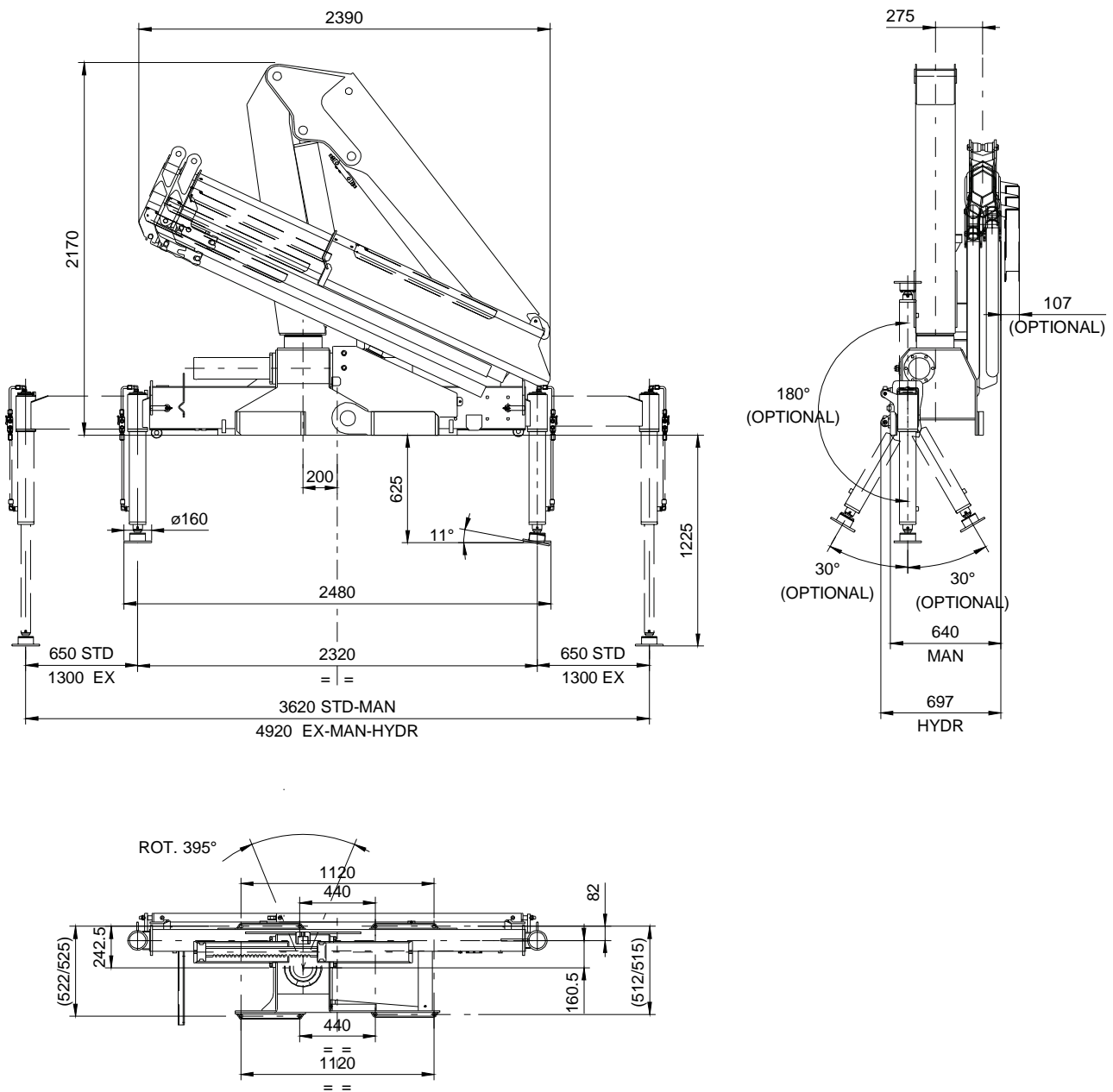
Crane - Kran
Grue - Grua - Gru

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DIMENSIONI DI INGOMBRO DIMENSIONS 810C 2S



DIMENSIONI DI INGOMBRO
DIMENSIONS
810C 3S

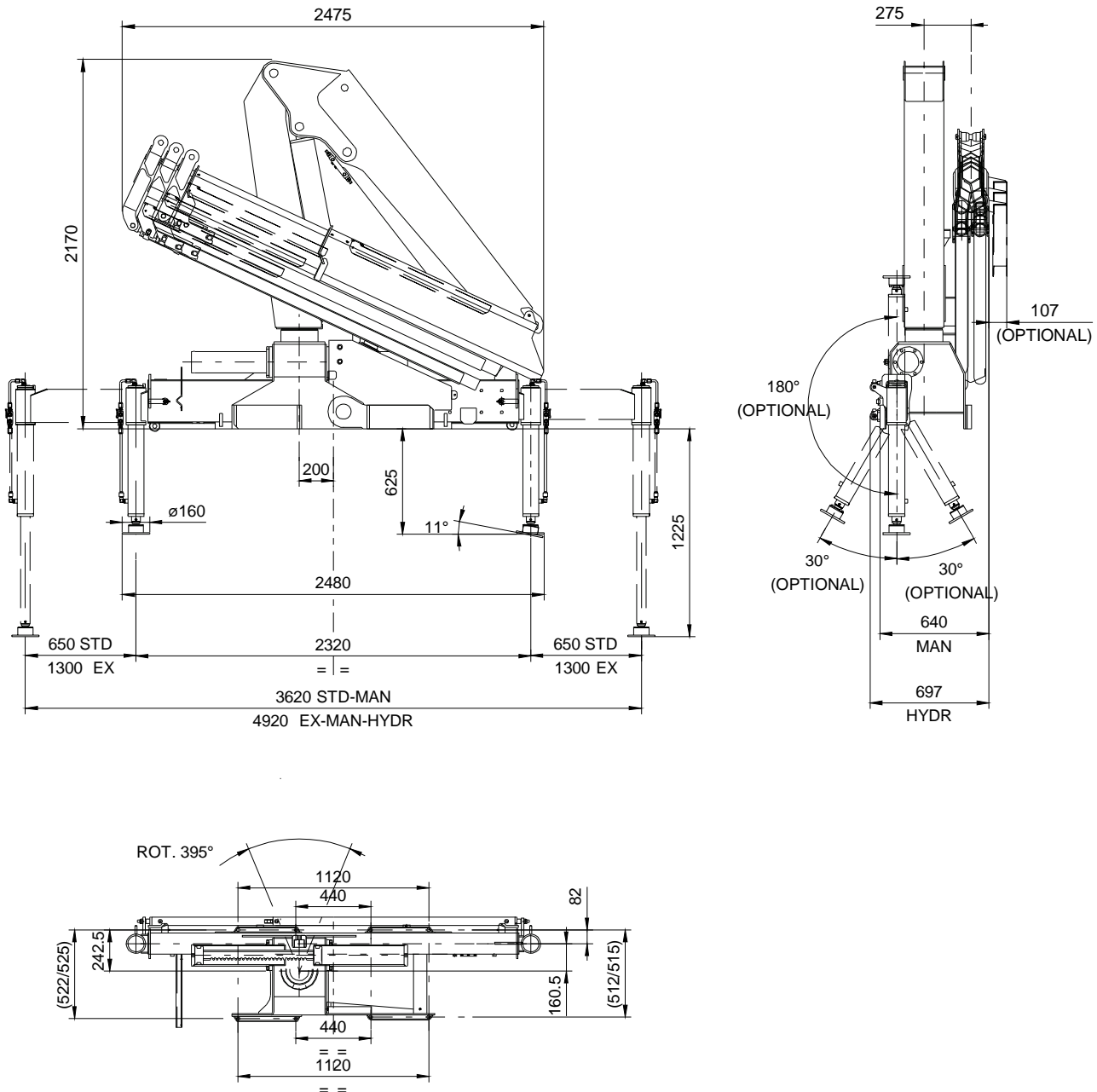


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DIMENSIONI DI INGOMBRO DIMENSIONS 810C 4S

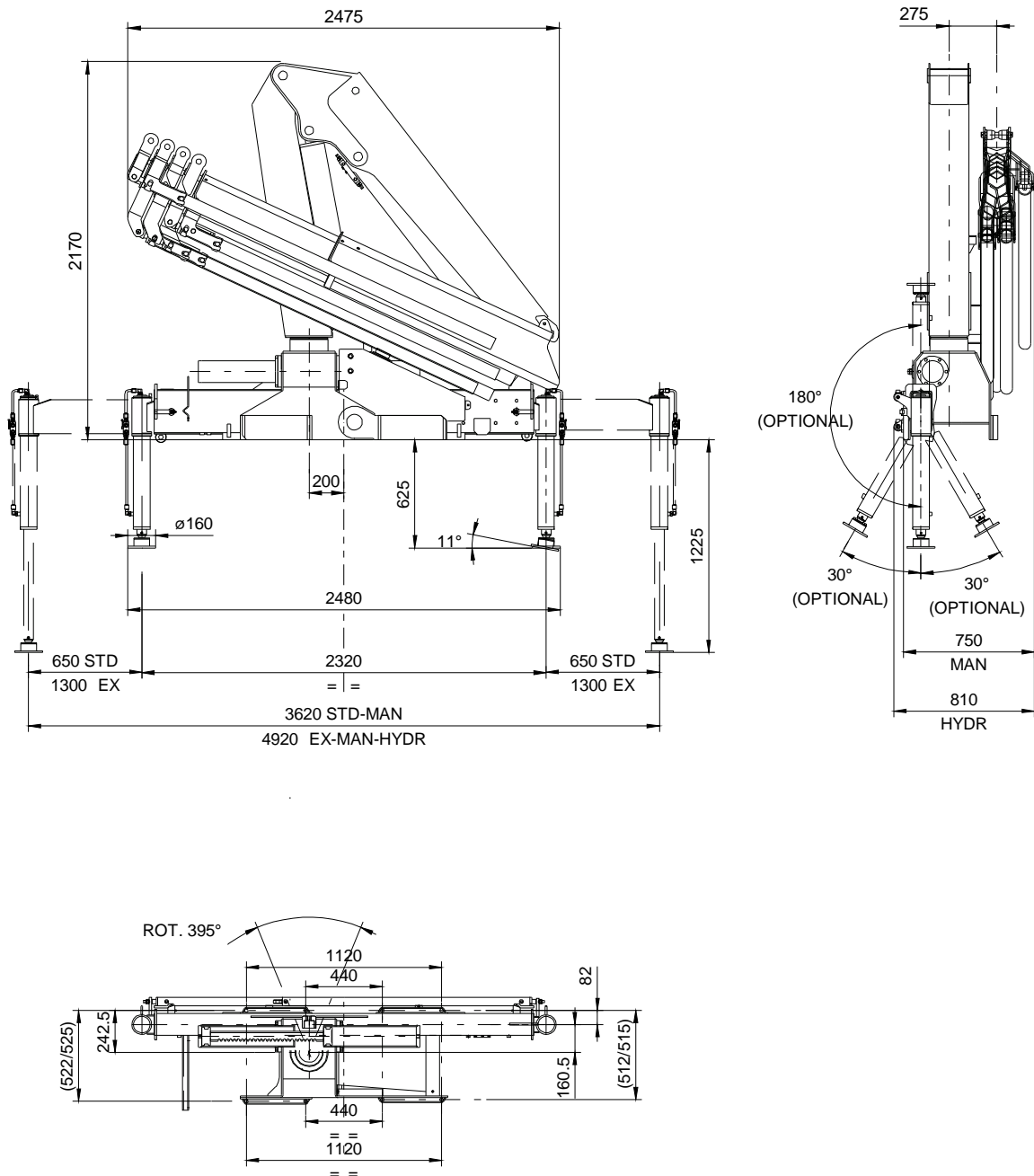


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DIMENSIONI DI INGOMBRO DIMENSIONS 810C 5S



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DIAGRAMMA PORTATE LOAD DIAGRAM 810C 2S

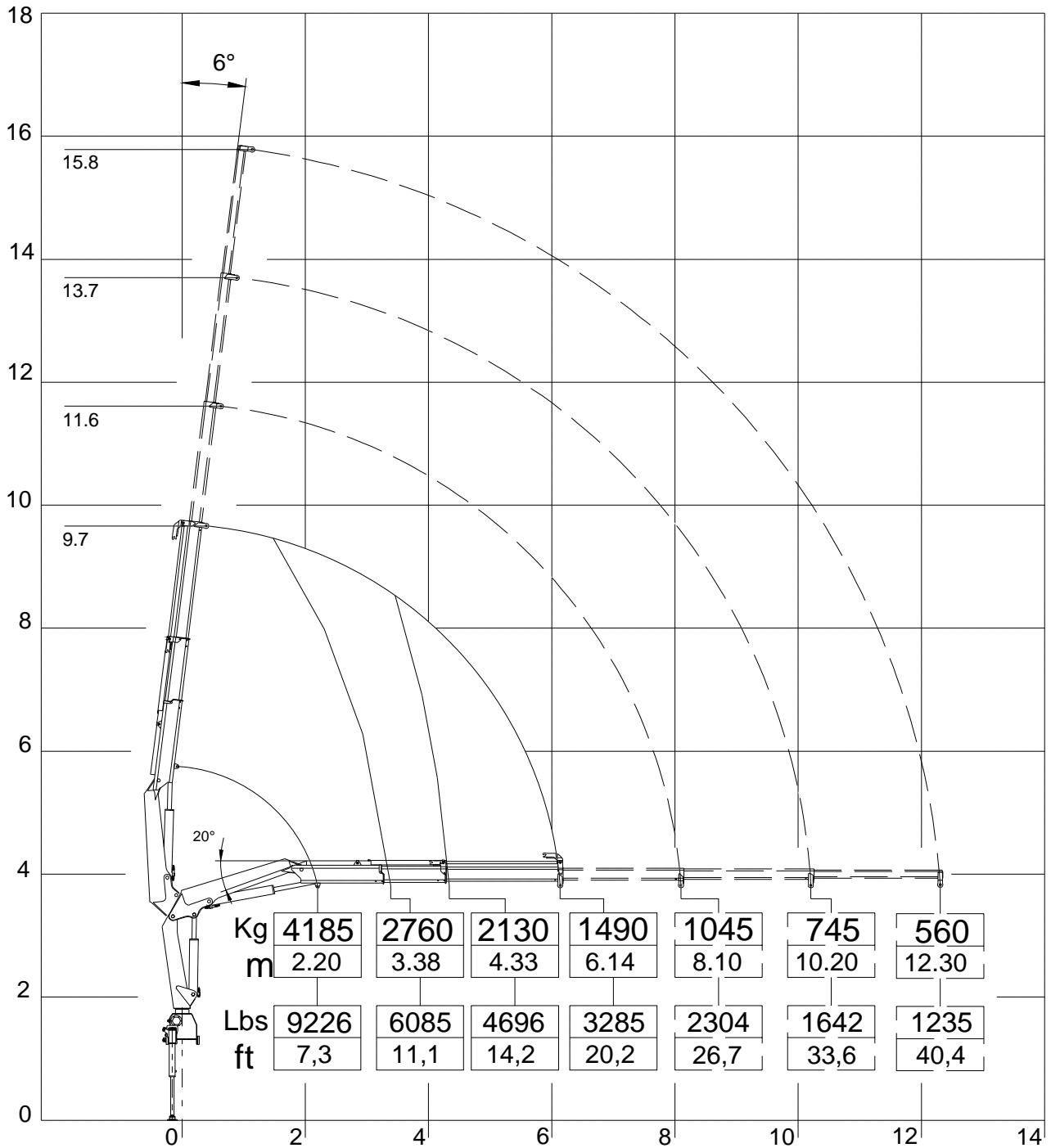


DIAGRAMMA PORTATE LOAD DIAGRAM 810C 3S

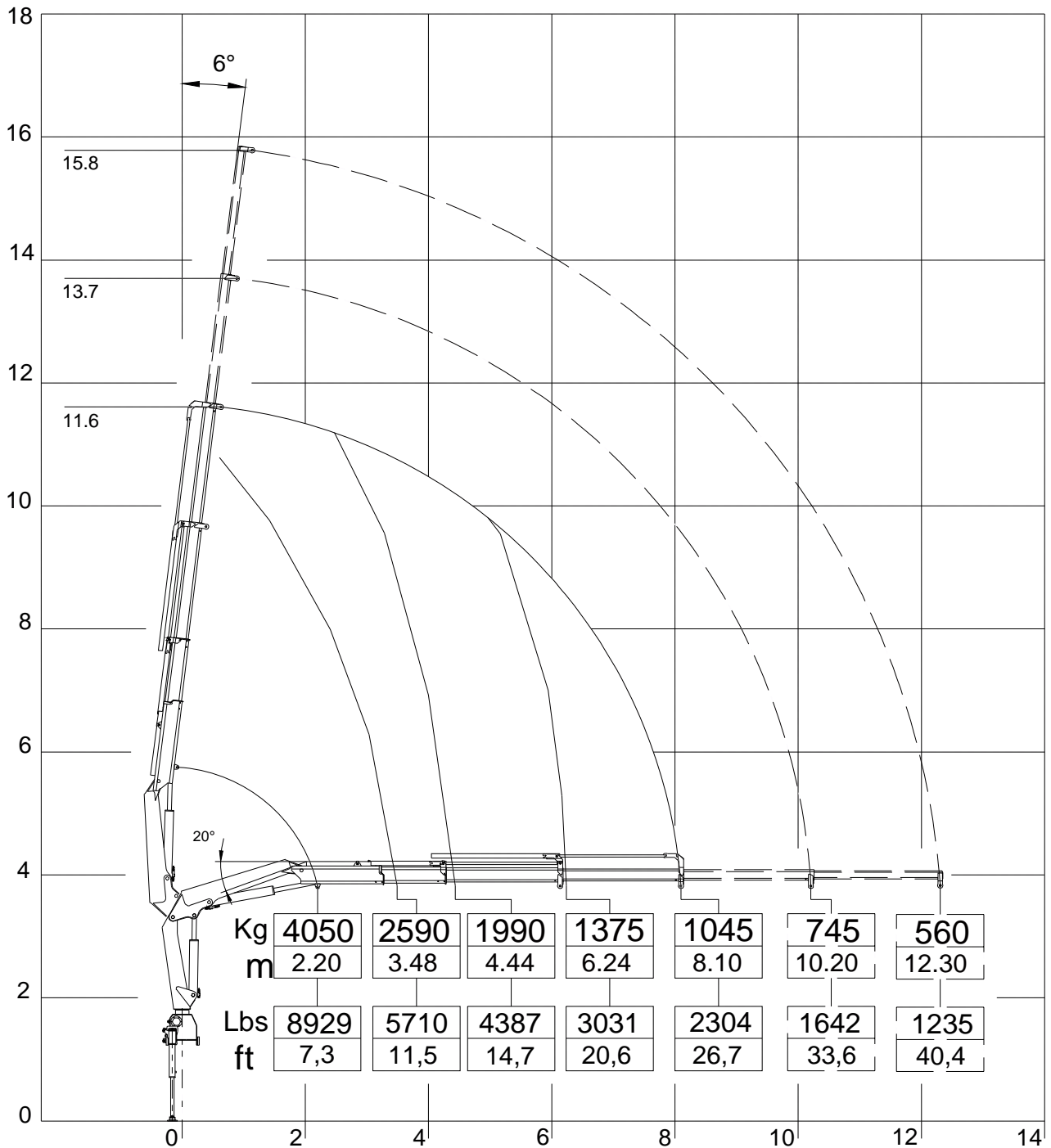
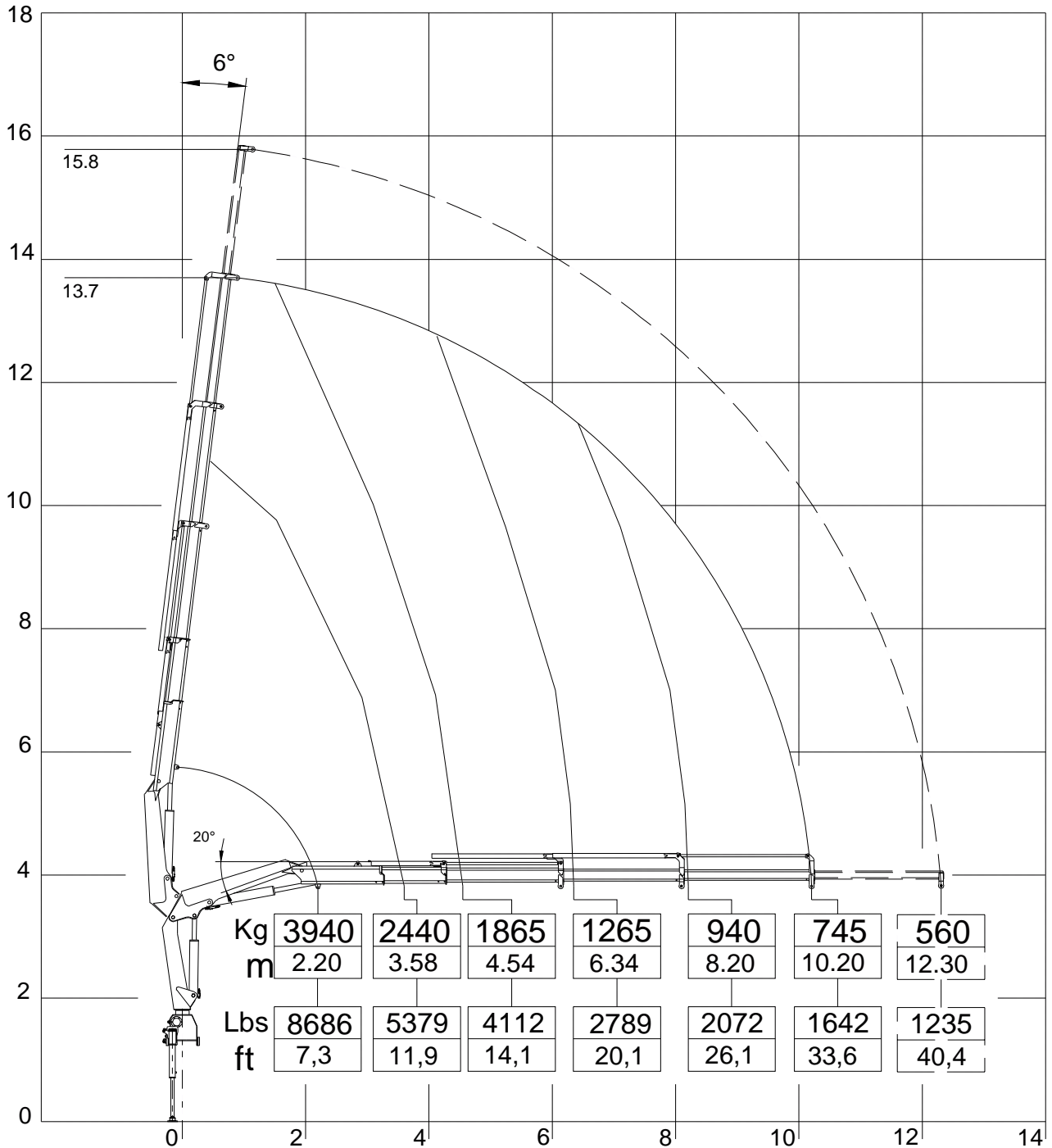


DIAGRAMMA PORTATE LOAD DIAGRAM 810C 4S

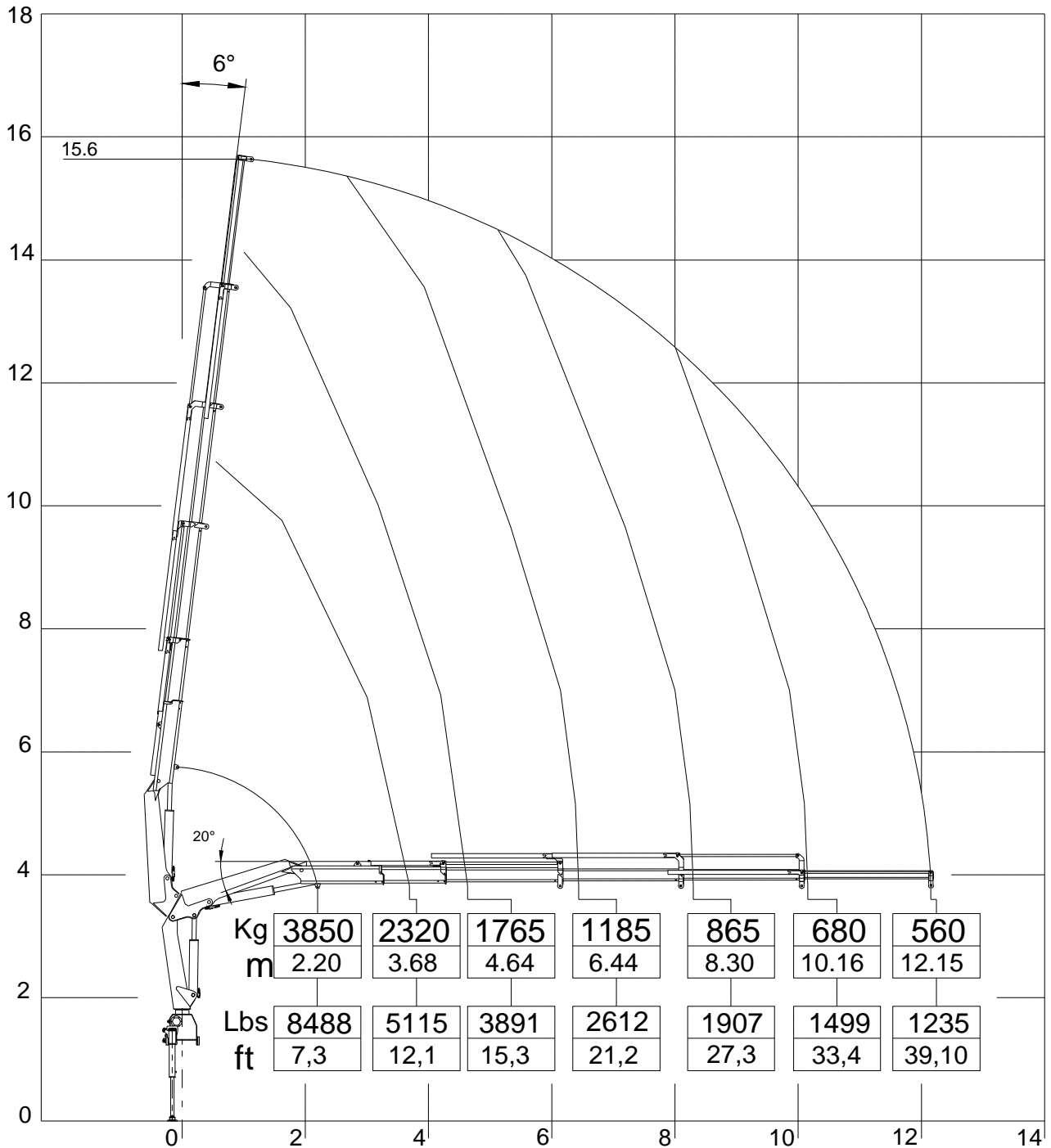


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DIAGRAMMA PORTATE LOAD DIAGRAM 810C 5S

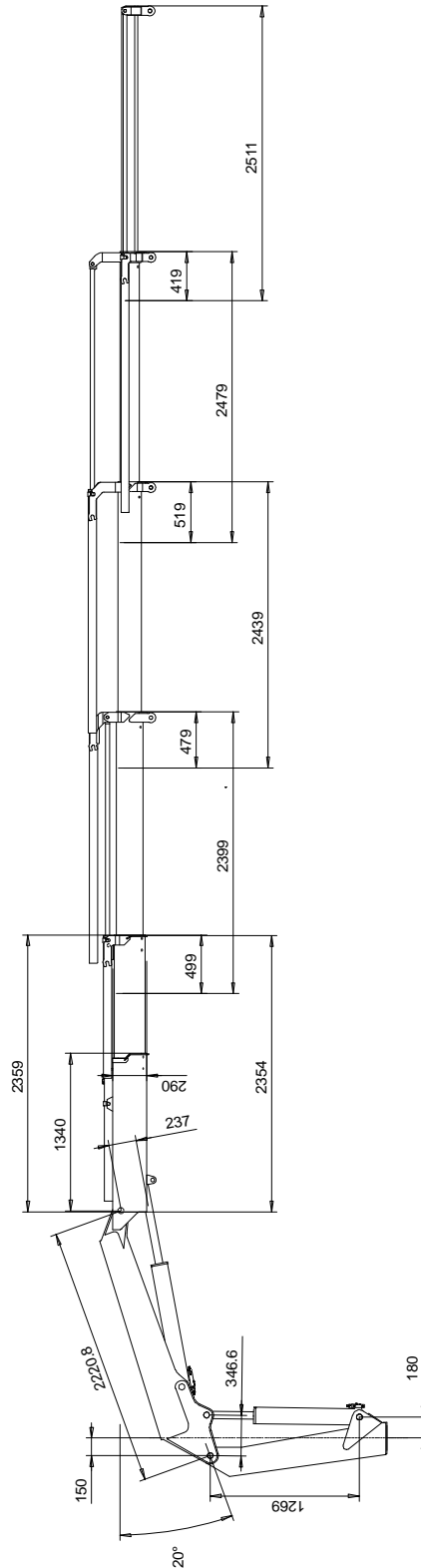


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DIMENSIONALE COLONNA E BRACCI COLUMN - BOOM - DIMENSIONS



DIMENSIONI MARTINETTI CYLINDERS DIMENSIONS CYLINDERS DIMENSIONS

CILINDRO DI SOLLEVAMENTO LIFTING CYLINDER

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

CILINDRO 1° SFILO 1ST 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> | 1350 |
| Interasse chiuso - <i>Pitch (closed)</i> | 400 |
| Corsa - <i>Stroke</i> | 950 |
| Raccordi - <i>Fittings</i> | 9/16"-18 |
| ∅ perni articolazione - <i>Artic. pin ∅</i> | 25 |
| Materiale perno/i - <i>Pin steel</i> | C40 NORM. |

CILINDRO 3° - 4° SFILO 3RD - 4TH 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> | 1960 |
| Interasse chiuso - <i>Pitch (closed)</i> | 100 |
| Corsa - <i>Stroke</i> | 1860 |
| Raccordi - <i>Fittings</i> | 3/4" – 16 |
| ∅ perni articolazione - <i>Artic. pin ∅</i> | 25 |
| Materiale perno/i - <i>Pin steel</i> | C40 NORM. |

CILINDRO DI ROTAZIONE ROTATION CYLINDER

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

CILINDRO DI ARTICOLAZIONE ARTICULATION CYLINDER

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

CILINDRO 2° SFILO 2ND 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> | 1900 |
| Interasse chiuso - <i>Pitch (closed)</i> | 100 |
| Corsa - <i>Stroke</i> | 1800 |
| Raccordi - <i>Fittings</i> | 3/4" – 16 |
| ∅ perno fissaggio - <i>Fixing pin ∅</i> | 25 |
| Mat. perno/i - <i>Pin steel</i> | C40 NORM. |

CILINDRO 5° SFILO 5TH EXTENSION CYL.

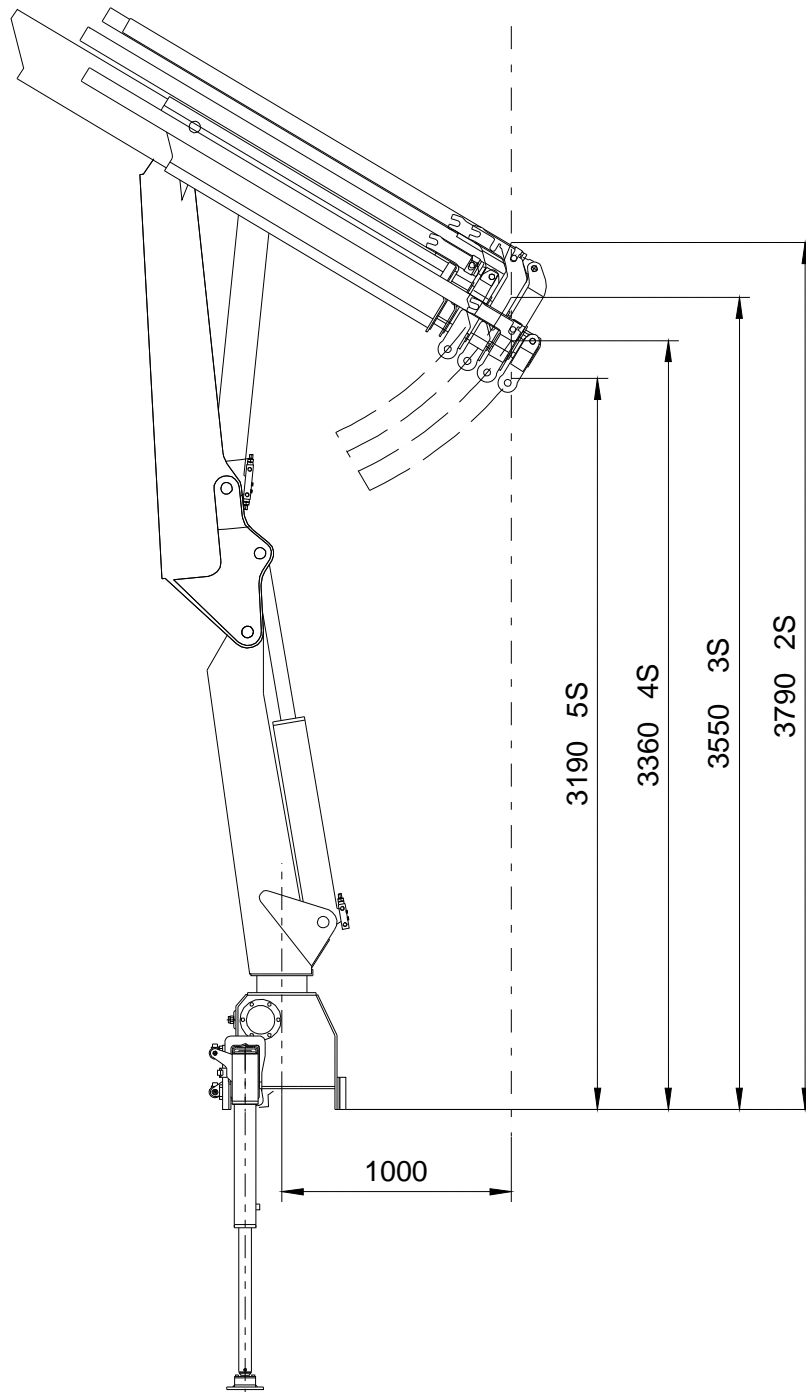
| | |
|--|-----------|
| Alesaggio - <i>Cylinder bore</i> | 60 |
| Diametro esterno - <i>Cyl. ext. diameter</i> | 70 |
| Diametro stelo - <i>Rod diameter</i> | 30 - 0 |
| Interasse aperto - <i>Pitch (open)</i> | 2100 |
| Interasse chiuso - <i>Pitch (closed)</i> | 100 |
| Corsa - <i>Stroke</i> | 2000 |
| Raccordi - <i>Fittings</i> | 7/8" – 14 |
| ∅ perni articolazione - <i>Artic. pin ∅</i> | 25 |
| Materiale perno/i - <i>Pin steel</i> | C40 NORM. |

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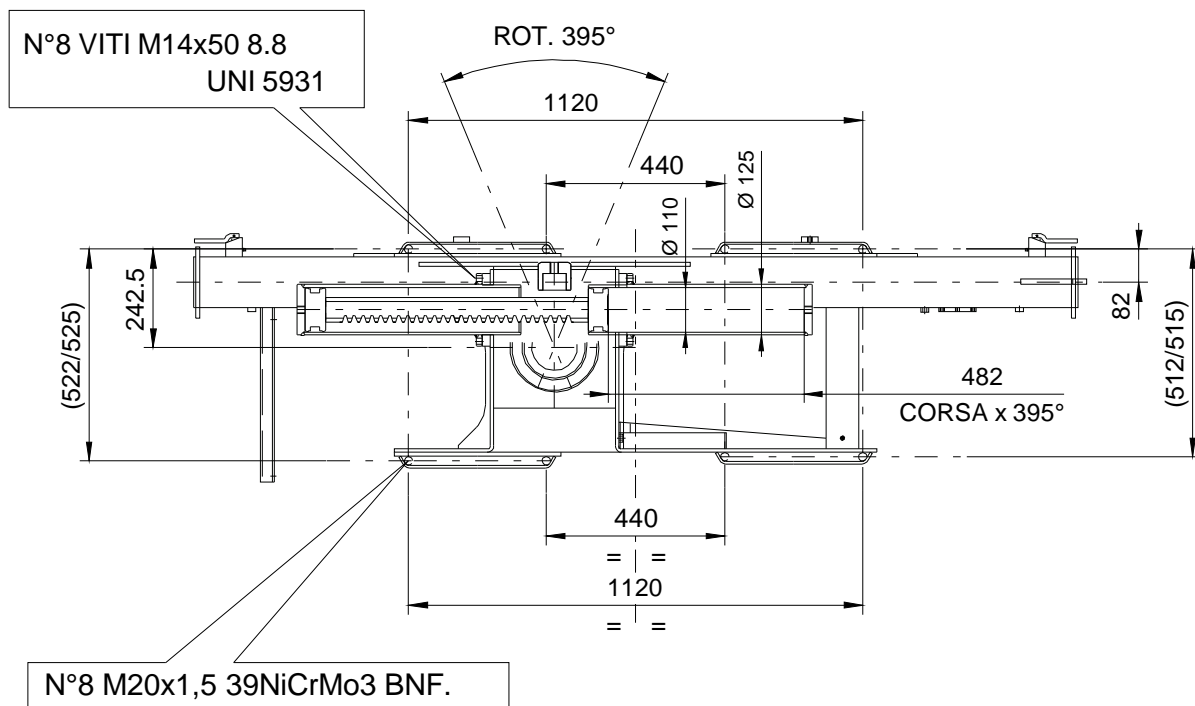
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ALTEZZA ATTACCO GANCIO HOOK HEIGHT



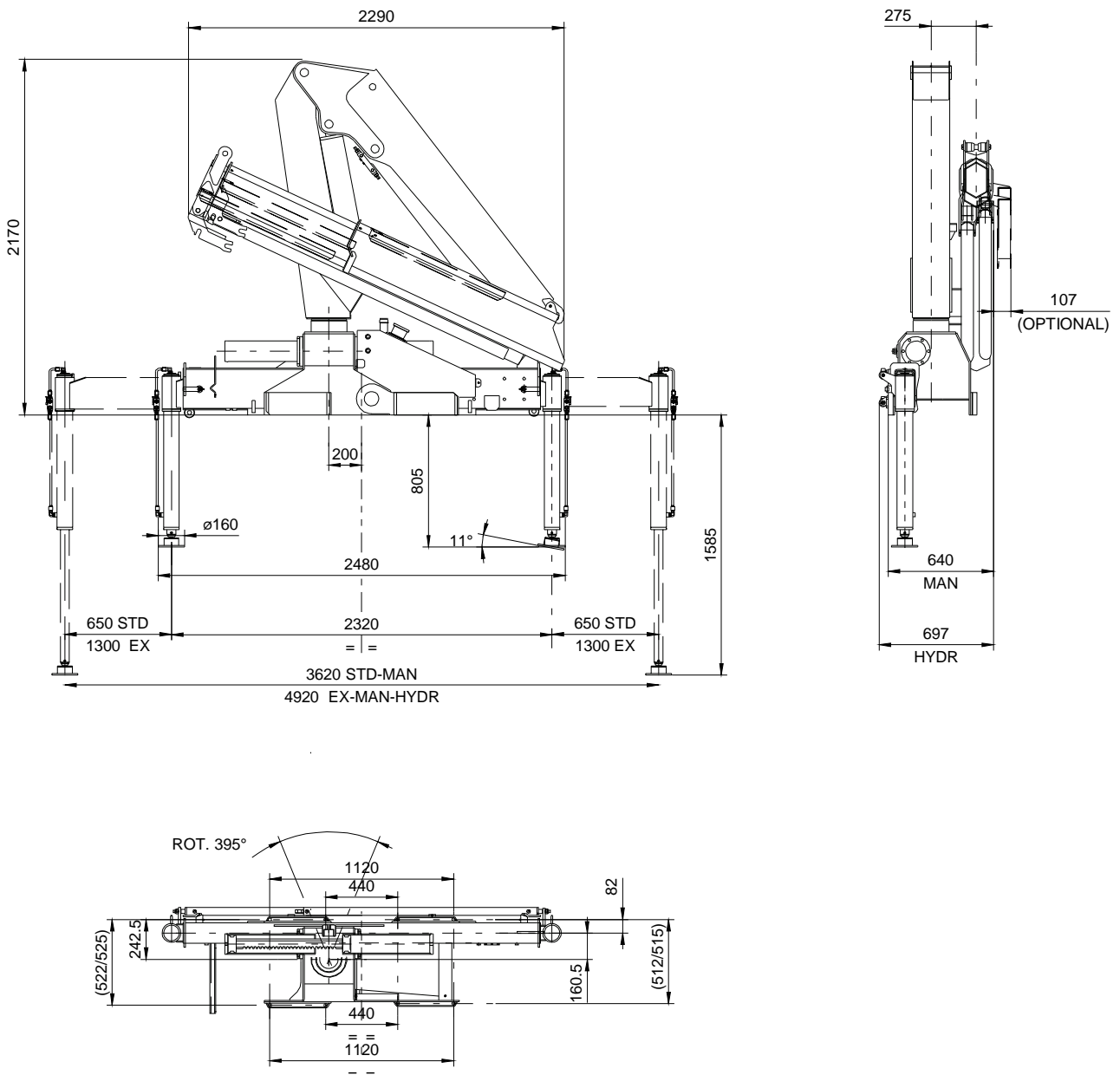
DIMENSIONI BASAMENTO

BASE DIMENSIONS

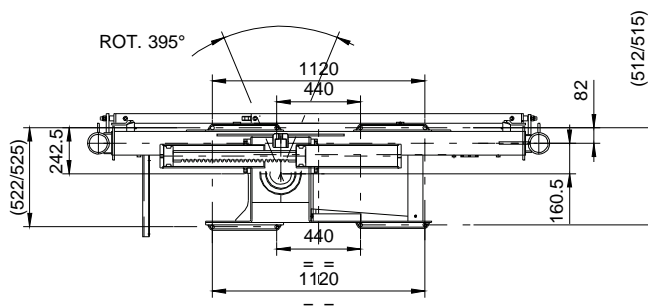
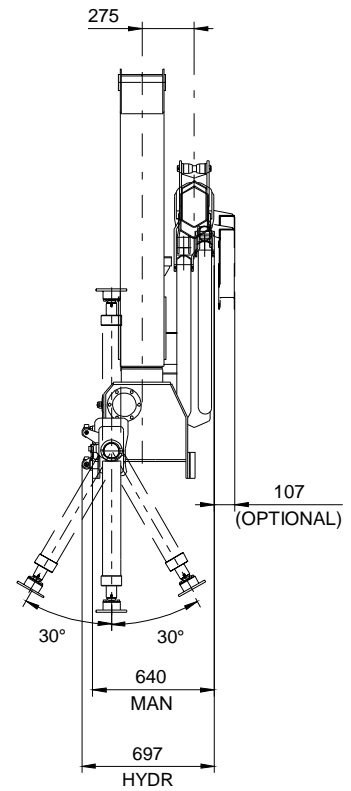
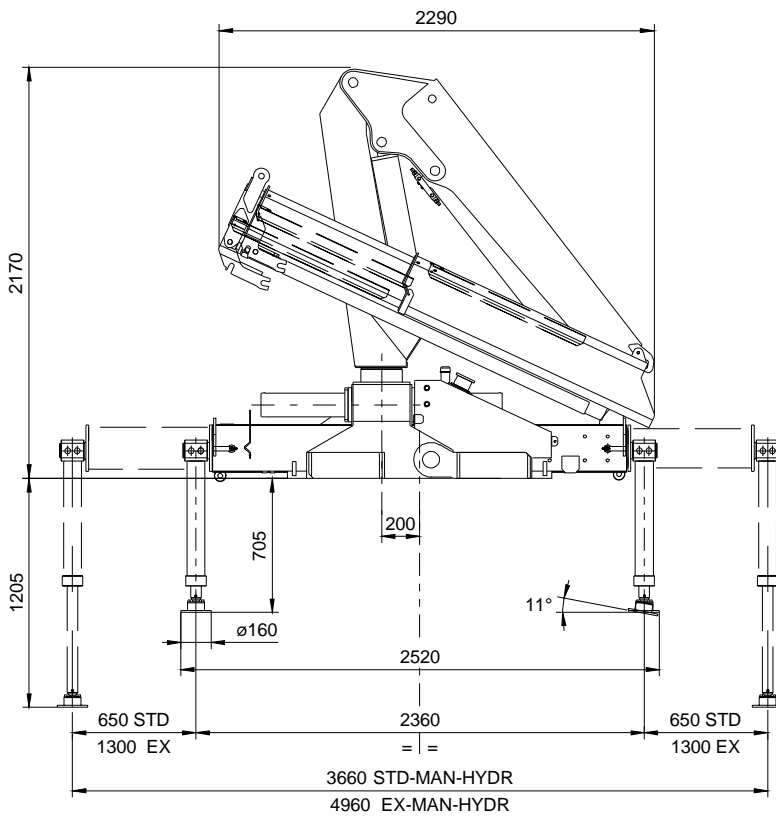


| | |
|--|-------------------------|
| Tiranti di staffaggio Mounting rods | N°8 M20x1.5 39NiCrMo3 |
| Viti fissaggio canna di rotazione Rotation cylinder fixing bolts | N°8 M14x50 8.8 UNI 5931 |

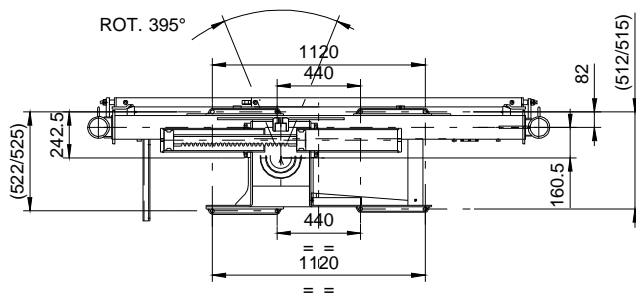
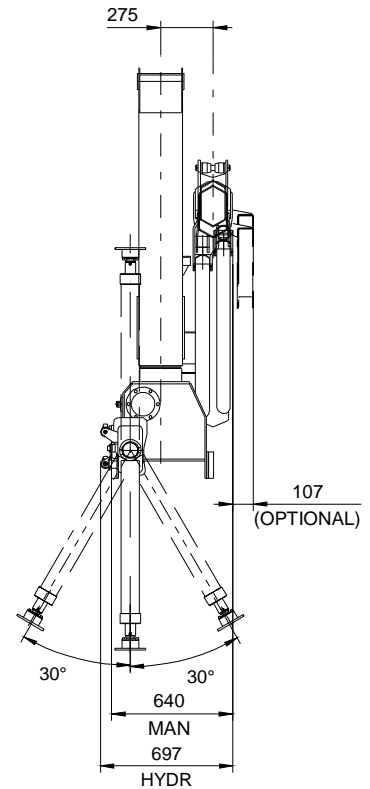
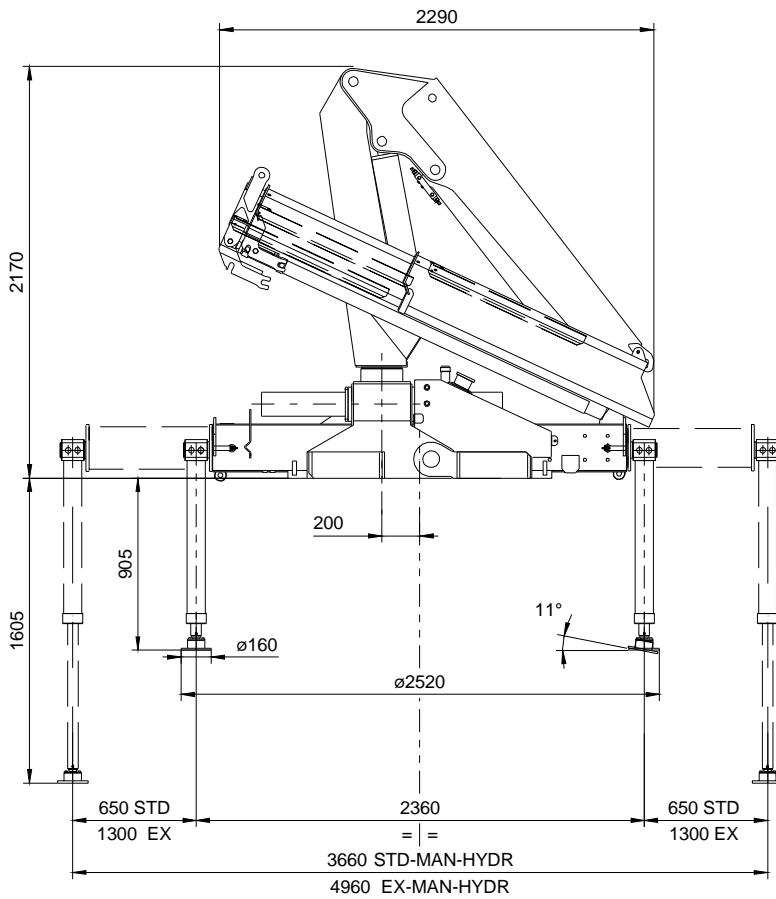
DIMENSIONI BASAMENTO CON STABILIZZATORI SCORREVOLI LUNGI
BASE DIMENSIONS WITH LONG STABILIZERS



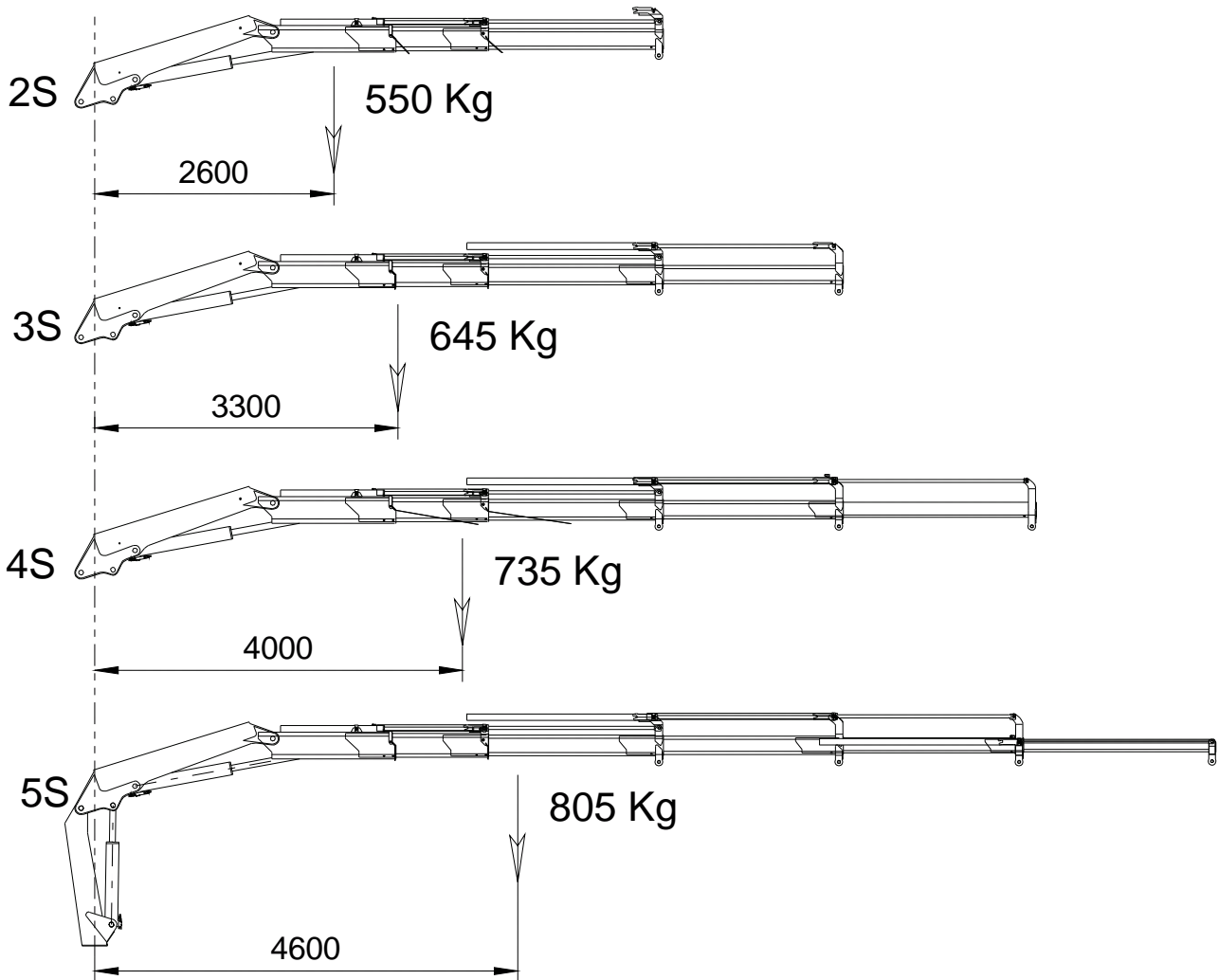
DIMENSIONI BASAMENTO CON CILINDRI STABILIZZATORI ROTANTI STD
BASE DIMENSIONS WITH TILTING STD CYLINDERS



TRAVERSA CON STABILIZZATORI GIREVOLI LUNGI
CROSSBAR WITH LONG TILTING CYLINDER



PESI - BARICENTRI WEIGHTS - CENTER OF GRAVITY



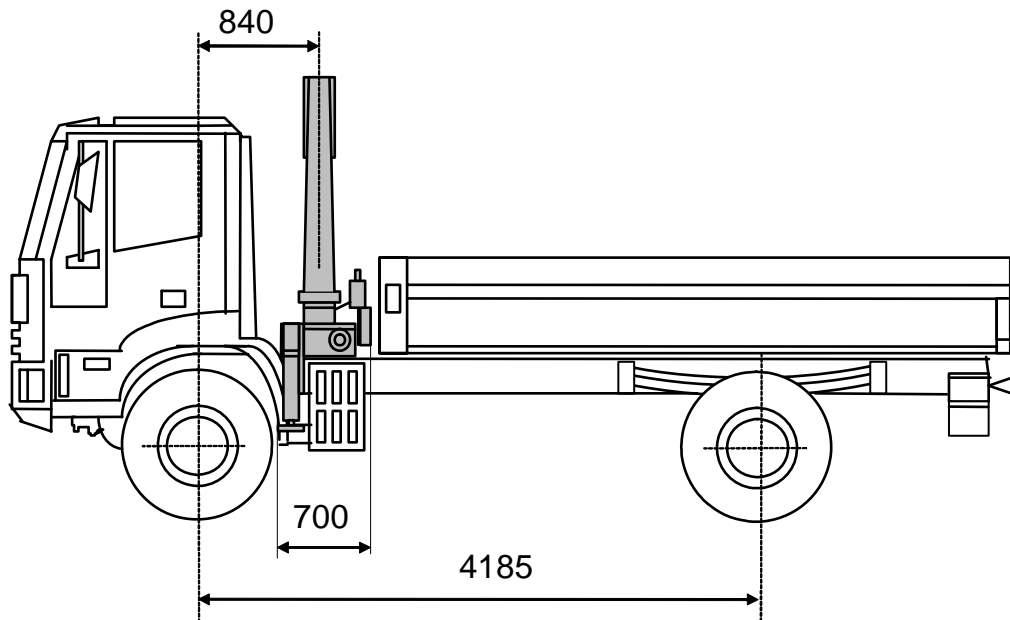
| | Stand. | EX man. | EX hydr. |
|--|--------|---------|----------|
| Massa parti fisse (kg) Fixed parts weights | 750 | 805 | 850 |

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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

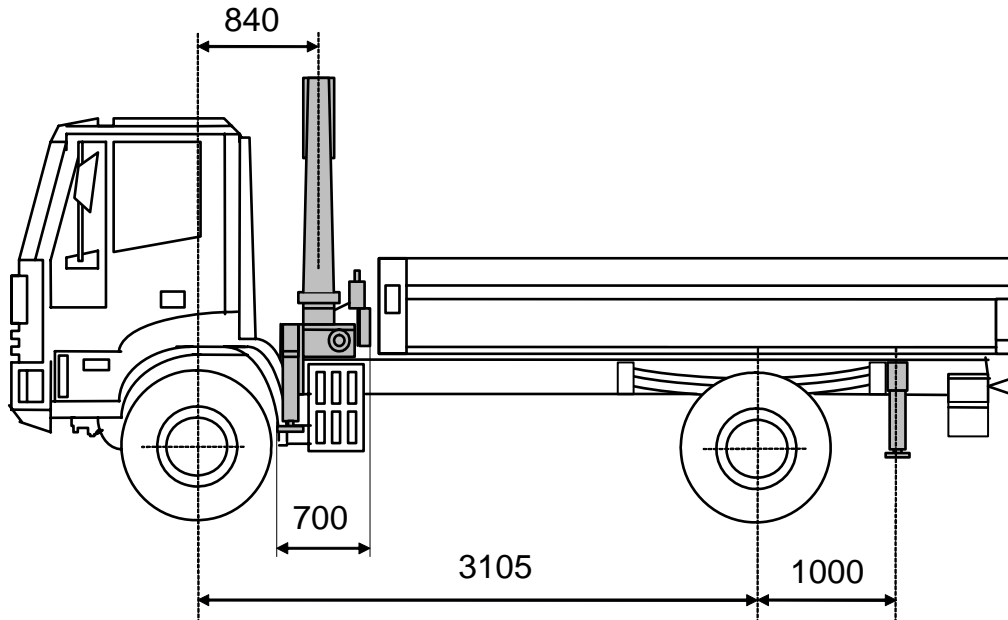
Stability index = 1,33

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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

CHASSIS DATA

Front axle

Front axle tare weight = 2790 kg

Allowable front axle weight = 4400 kg

Rear axle

Rear axle tare weight = 1180 kg

PESI ALLESTIMENTO

Massa cassone = 600 kg

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

Massa controtelaio = 120 kg

OUTFIT WEIGHTS

Body weight = 600 kg

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

Counterframe weight = 120 kg

Stabilizzatori supplementari

Apertura minima = 3000 mm

Peso stabilizzatori supplementari = 130kg

Rear beam stabilizers

Min. width = 3000 mm

Rear stabilizer weight = 130Kg

Coefficiente di stabilità = 1,8

Stability index = 1,8

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CONTROTELAIO MINIMO MIN COUNTERFRAME

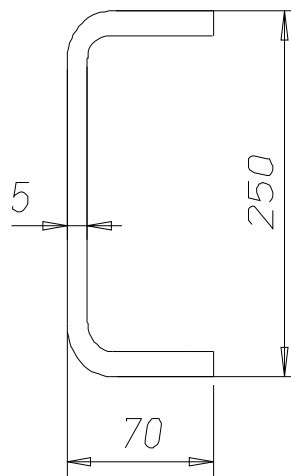
Momento dinamico max (daNm)

13300

Max dynamic moment

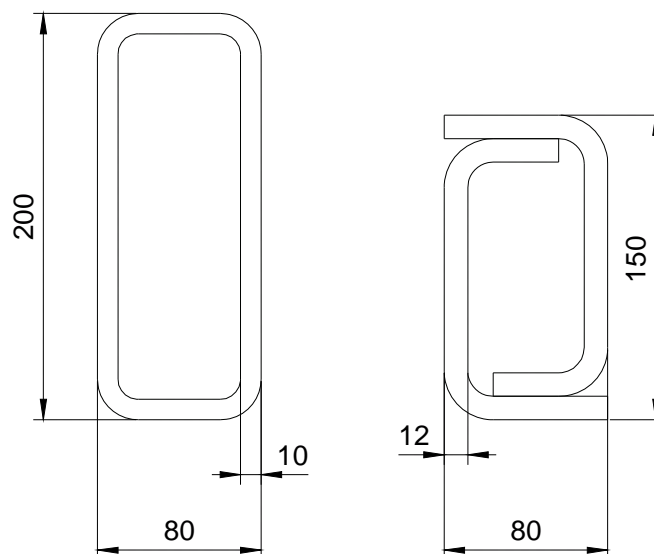
Sezione telaio minima (autocarro PTT=120 q)

Min frame section (truck GVW 12 ton)



Sezione minima contro telaio (materiale Fe510 - S355)

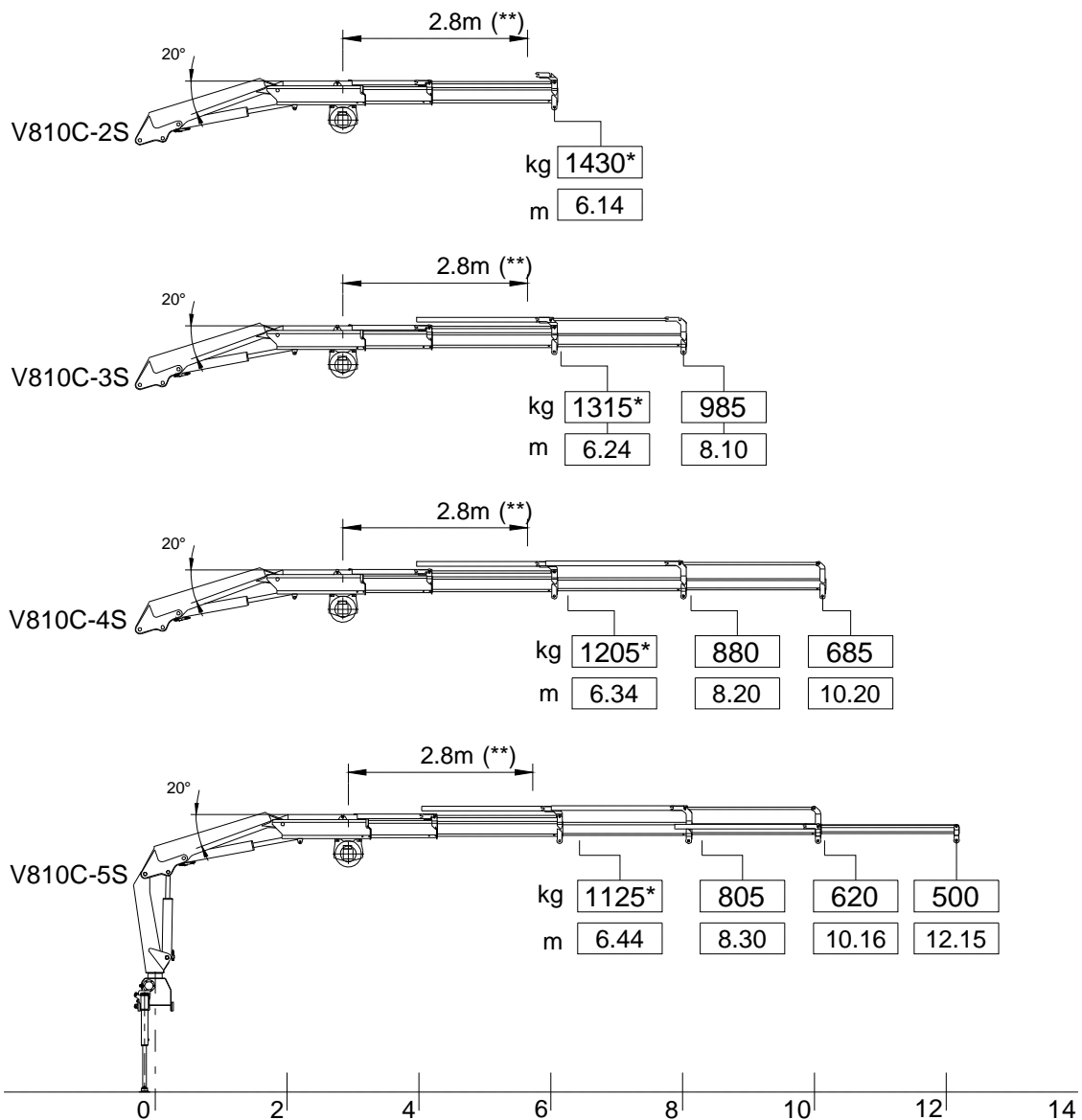
Min counterframe section (steel S355)



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 doppeitem 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 |

