

812

RACCOLTA TECNICA TECHNICAL BOOK



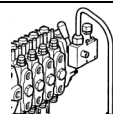
CARATTERISTICHE GENERALI
TECHNICAL DATA

Momento dinamico max (daNm) Max dynamic moment	15000
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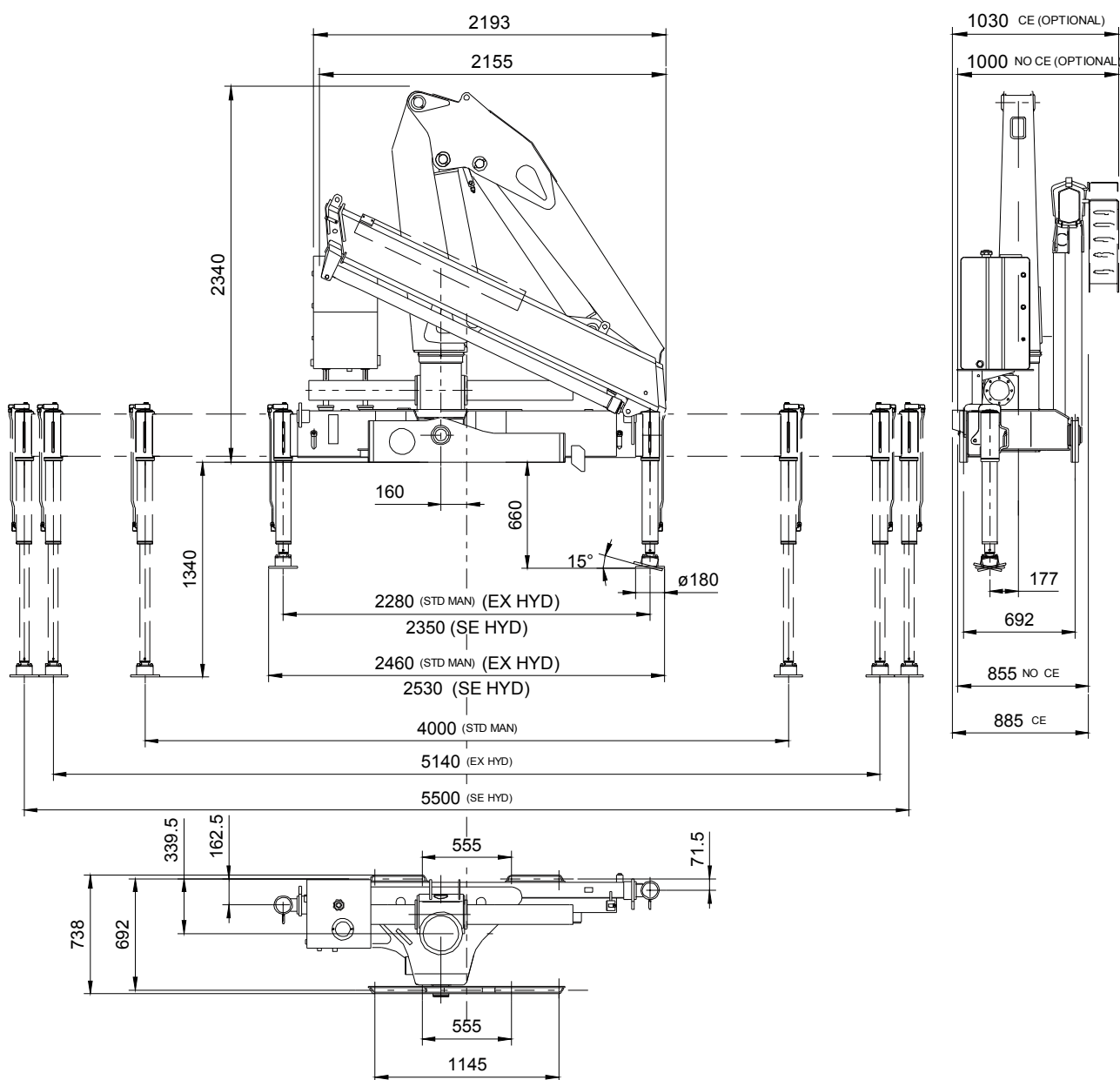
	Versione	812
Portata max (kg) Max load	1S	4730
	2S	4470
	3S	4330
	4S	4210
	5S	4150

	Versione	STD-M	EX-M	EX-H	SE-H
Massa in ordine di lavoro (kg) Crane weight	1S	1545	1600	1625	1655
	2S	1665	1720	1745	1775
	3S	1770	1825	1850	1880
	4S	1865	1920	1945	1975
	5S	1955	2010	2035	2065
	3SJ2	2080	2135	2160	2190

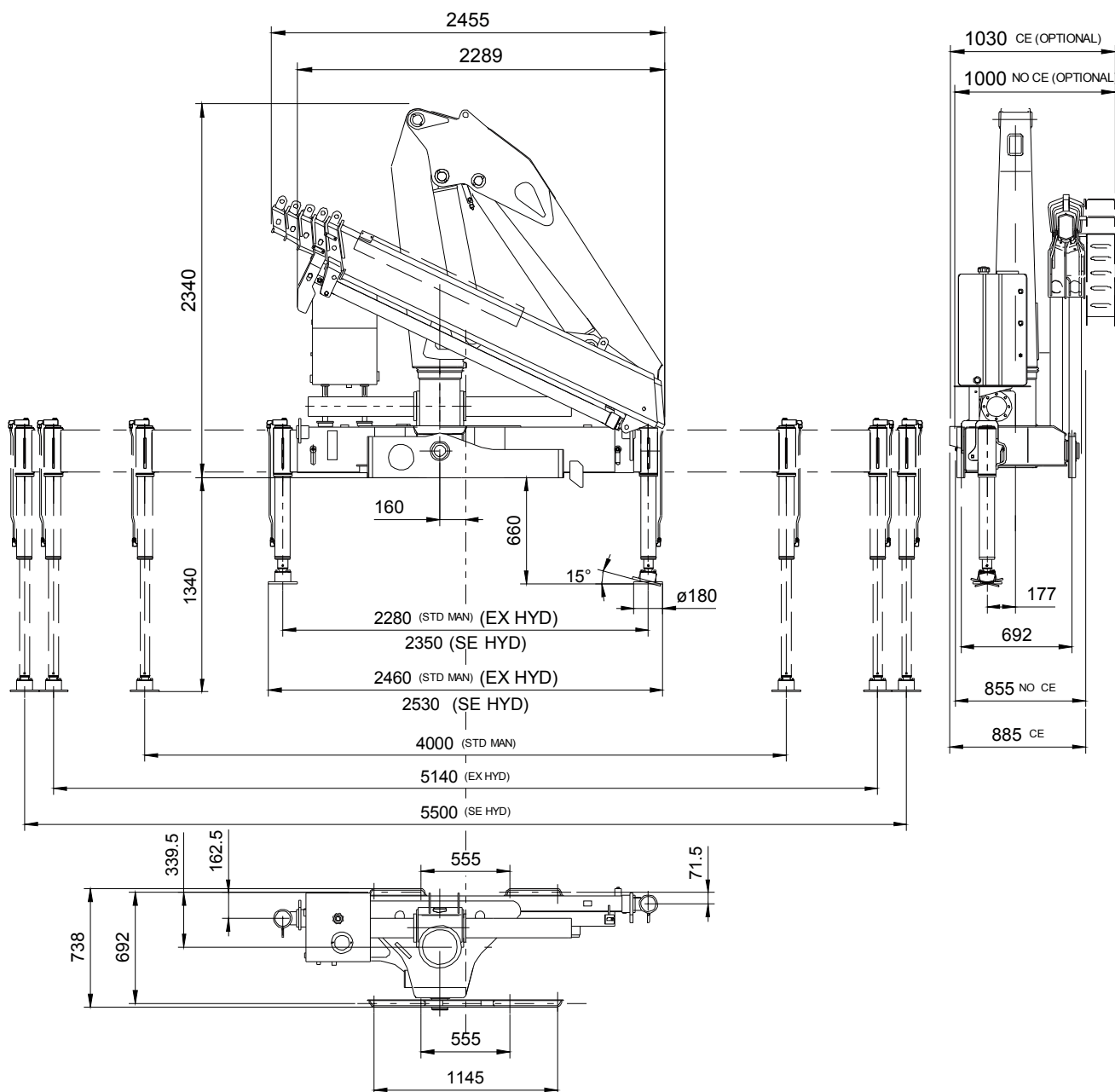
	STD	EX	SE
Reazione massima sullo stabilizzatore (daN) Max force on the stabilizer leg	8155	6225	5795
Carico massimo trasmesso al suolo da stabilizzatori (daN/cm²) Max stabilizer pressure on the ground	31	27	25
Pressione massima di esercizio Max working pressure	310 bar		
Portata massima di olio Max oil flow	25 l/min		
Capacità serbatoio olio Oil tank capacity	100 l		
Coppia di rotazione Slewing moment	1825 daNm		
Anogo di rotazione Slewing angle	380°		
Potenza assorbita Absorbed power	17 kW 23 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		F 7/8" - 14 Jic	M 7/8" - 14 Jic
Linea di aspirazione serbatoio Tank suction line		F 1" 1/2 BSP	F 1" 1/2 BSP

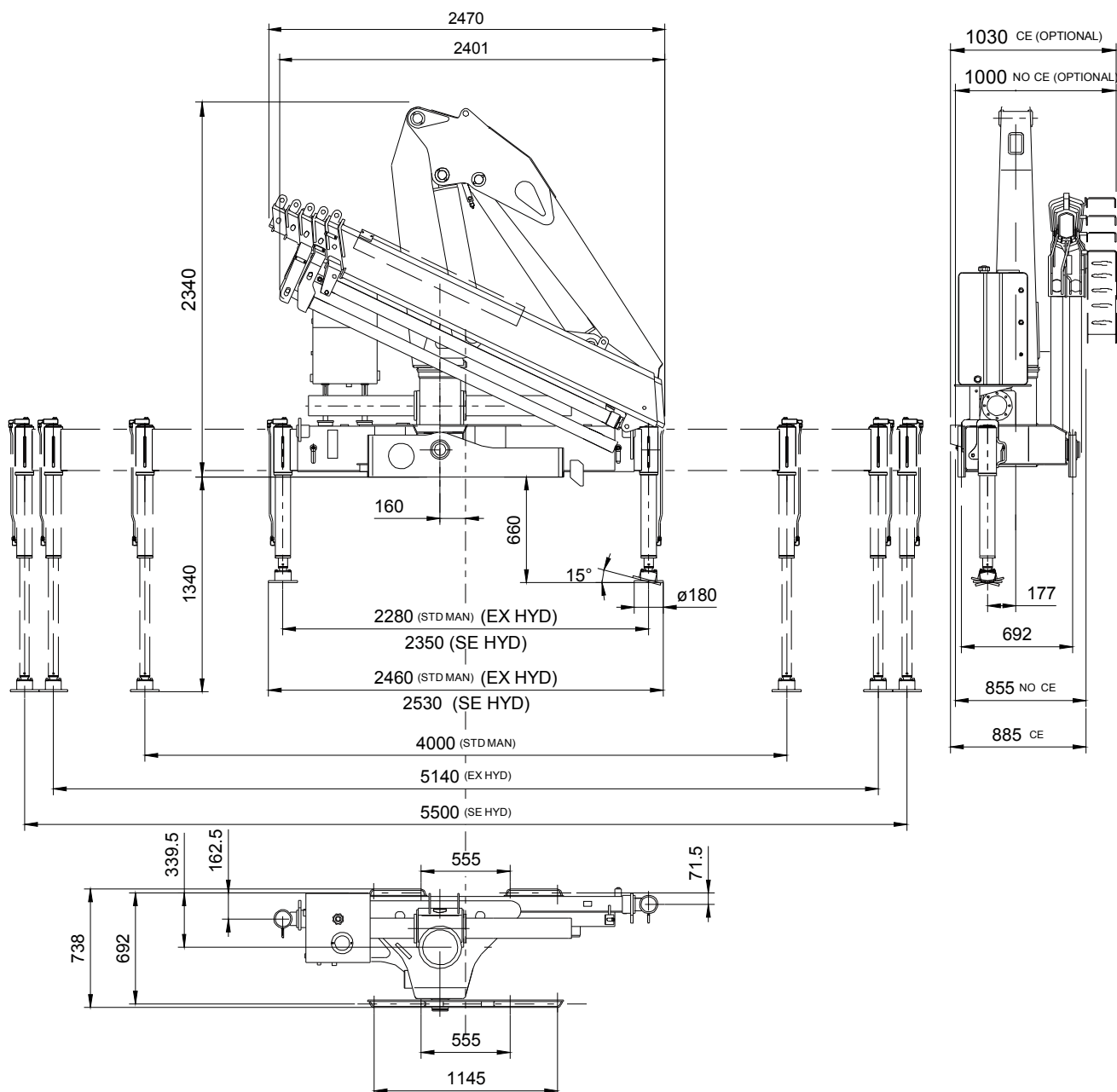
DIMENSIONI DI INGOMBRO DIMENSIONS 812 1S



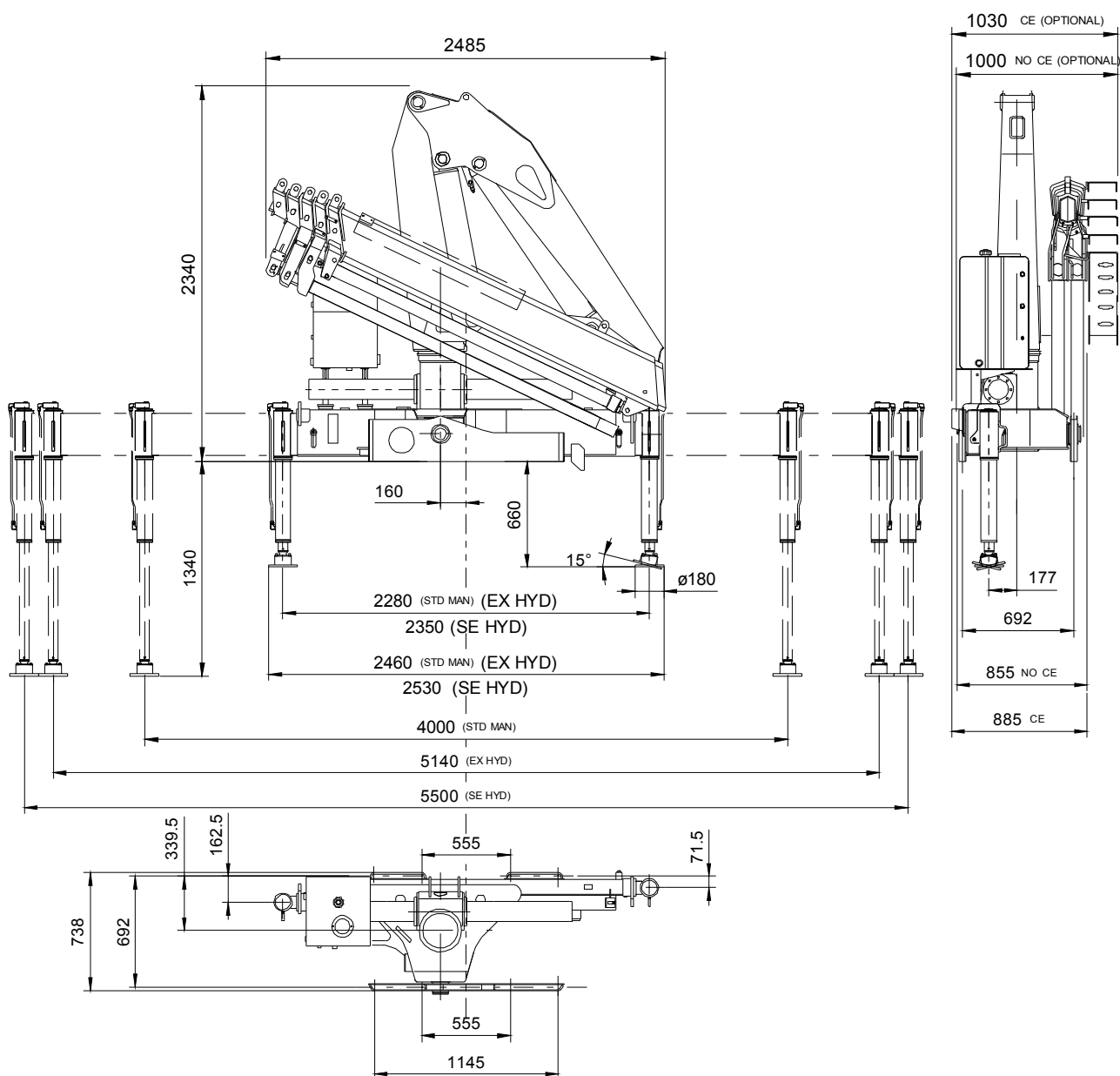
DIMENSIONI DI INGOMBRO DIMENSIONS 812 2S



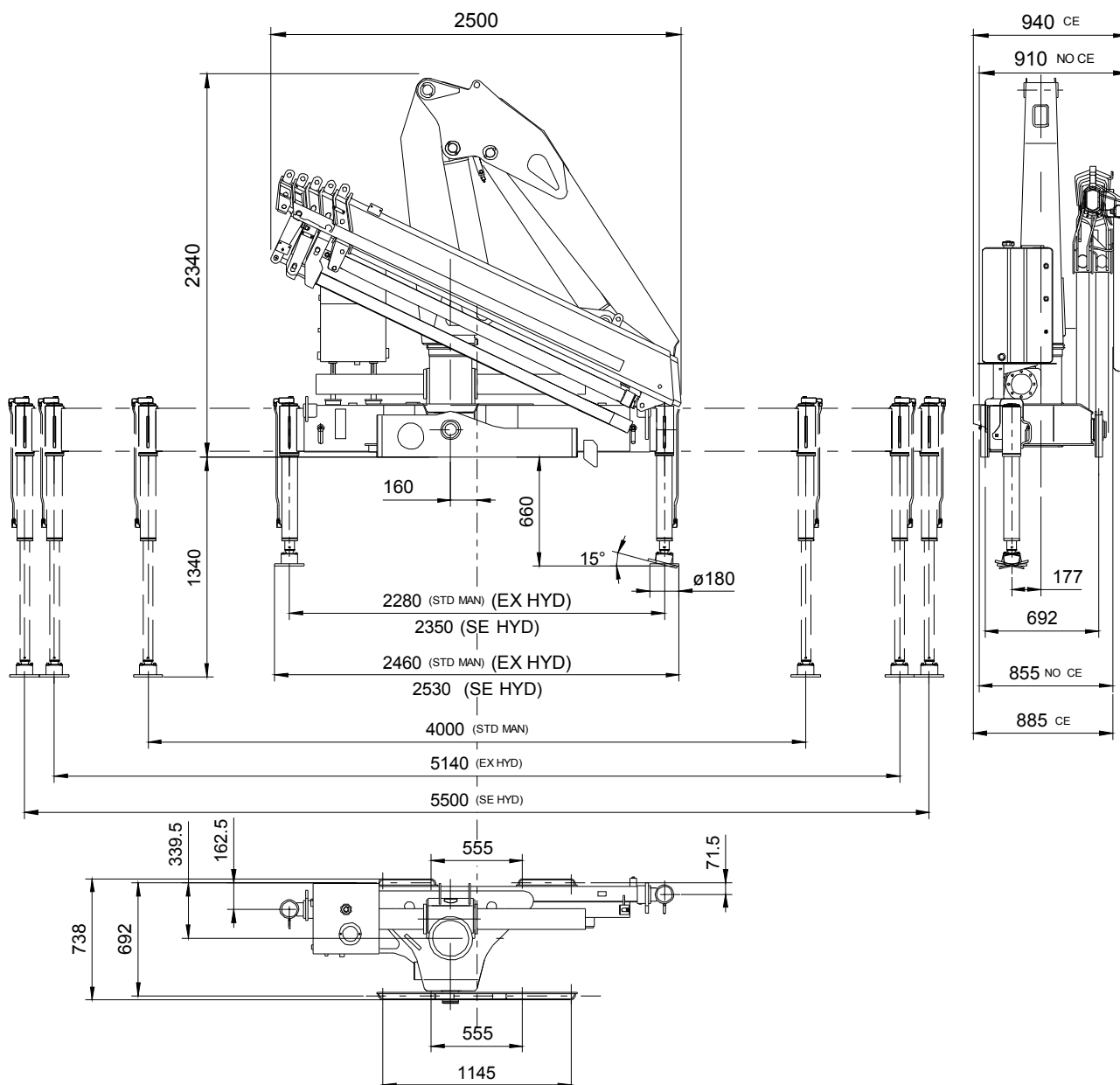
DIMENSIONI DI INGOMBRO DIMENSIONS 812 3S



DIMENSIONI DI INGOMBRO DIMENSIONS 812 4S



DIMENSIONI DI INGOMBRO DIMENSIONS 812 5S



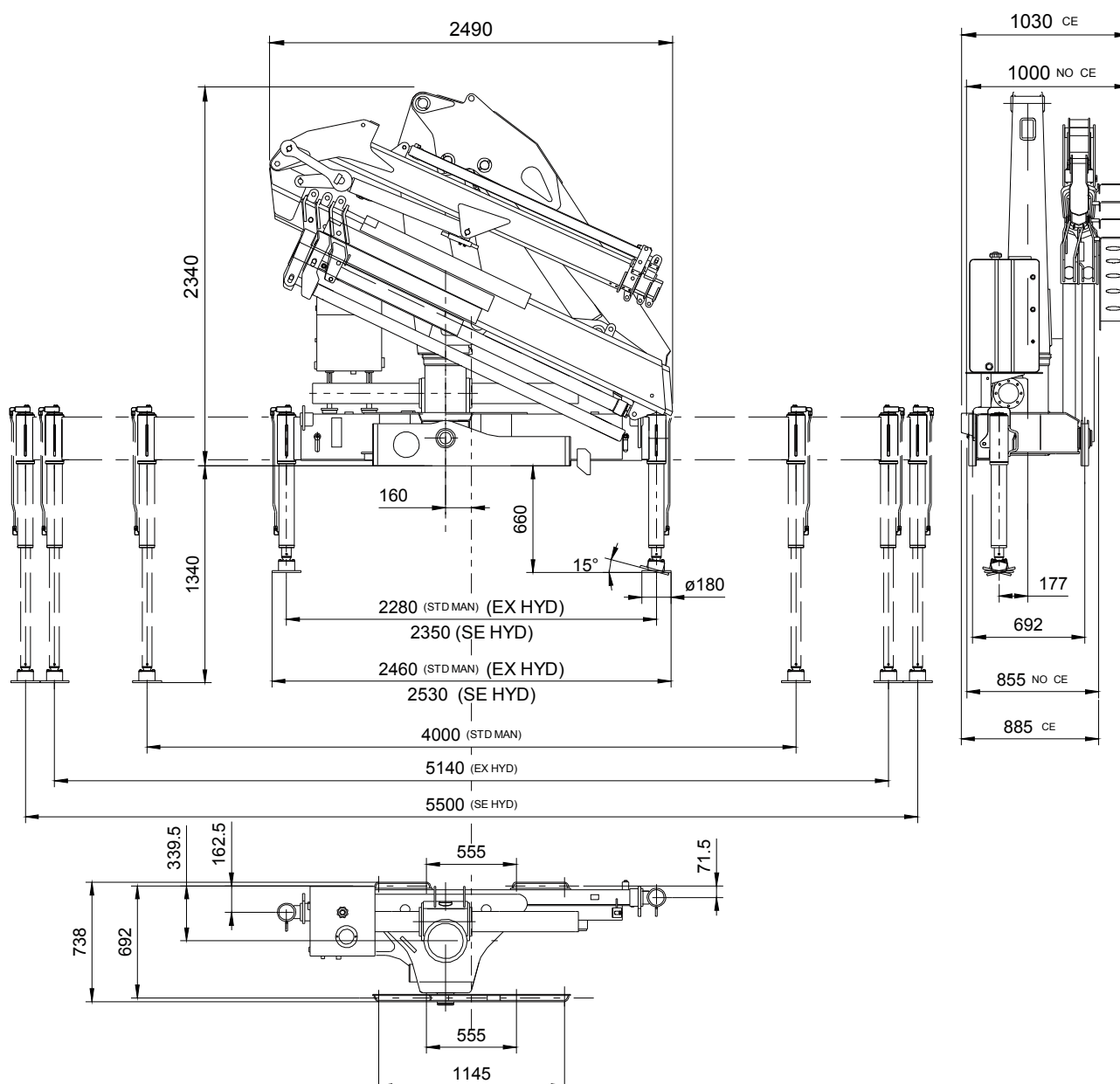
DIMENSIONI DI INGOMBRO
DIMENSIONS
812 3SJ2

DIAGRAMMA PORTATE LOAD DIAGRAM 812 1S

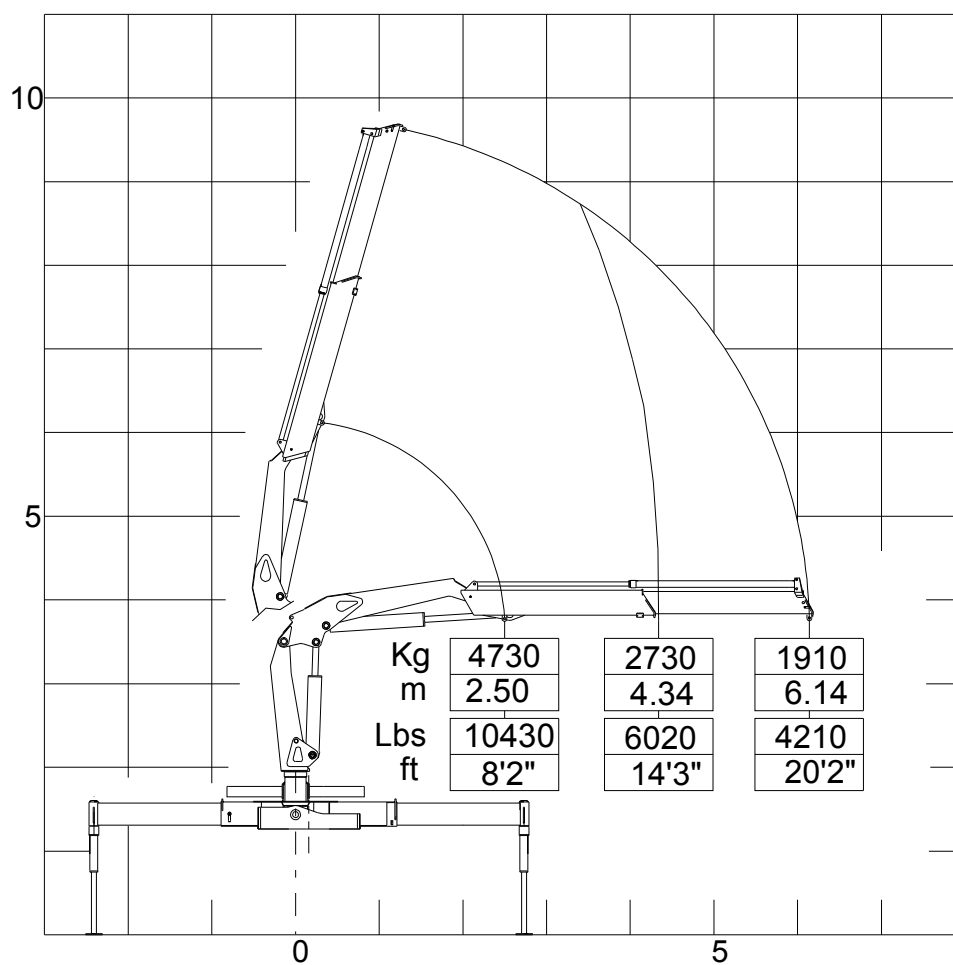


DIAGRAMMA PORTATE LOAD DIAGRAM 812 2S

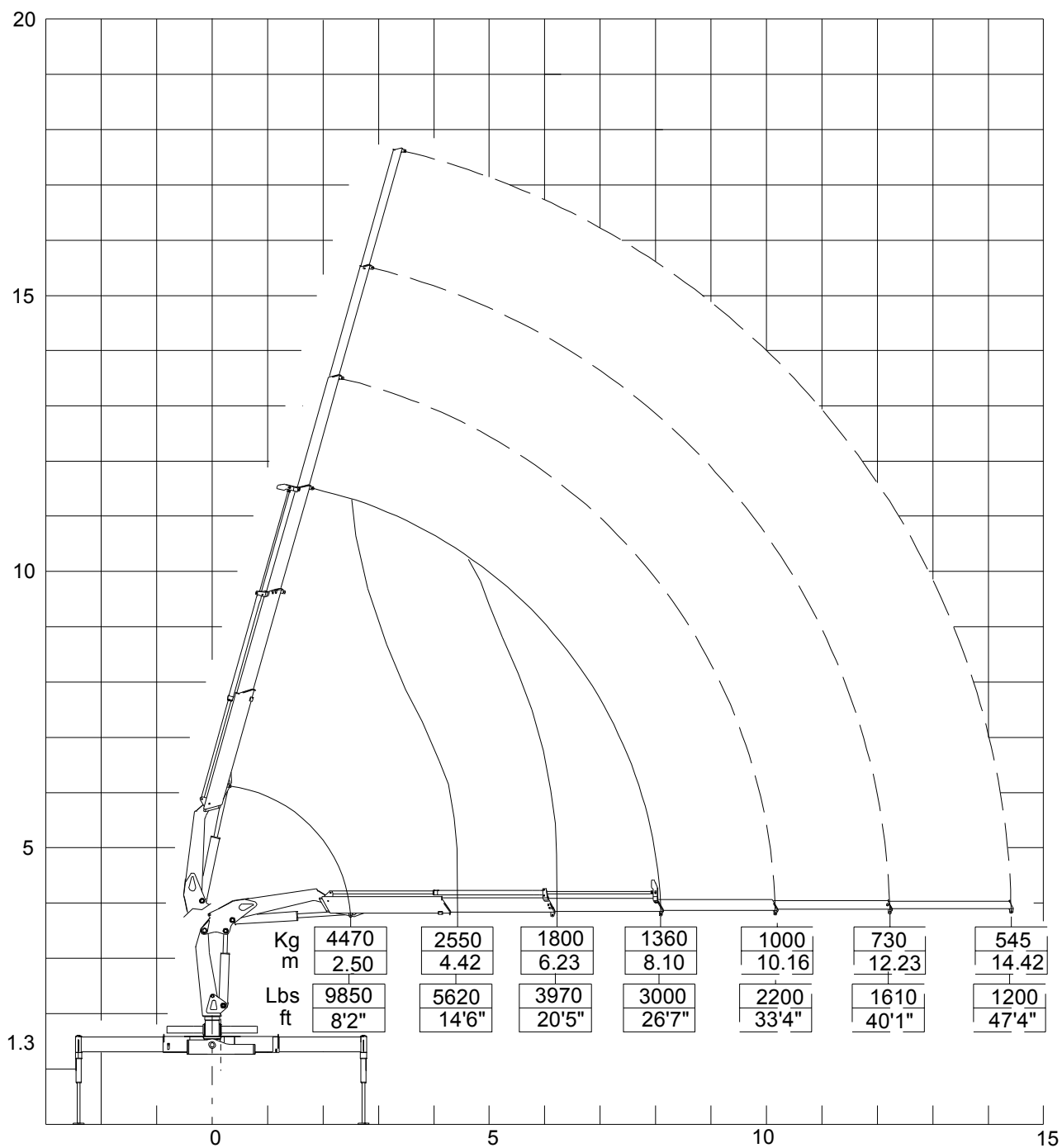


DIAGRAMMA PORTATE LOAD DIAGRAM 812 3S

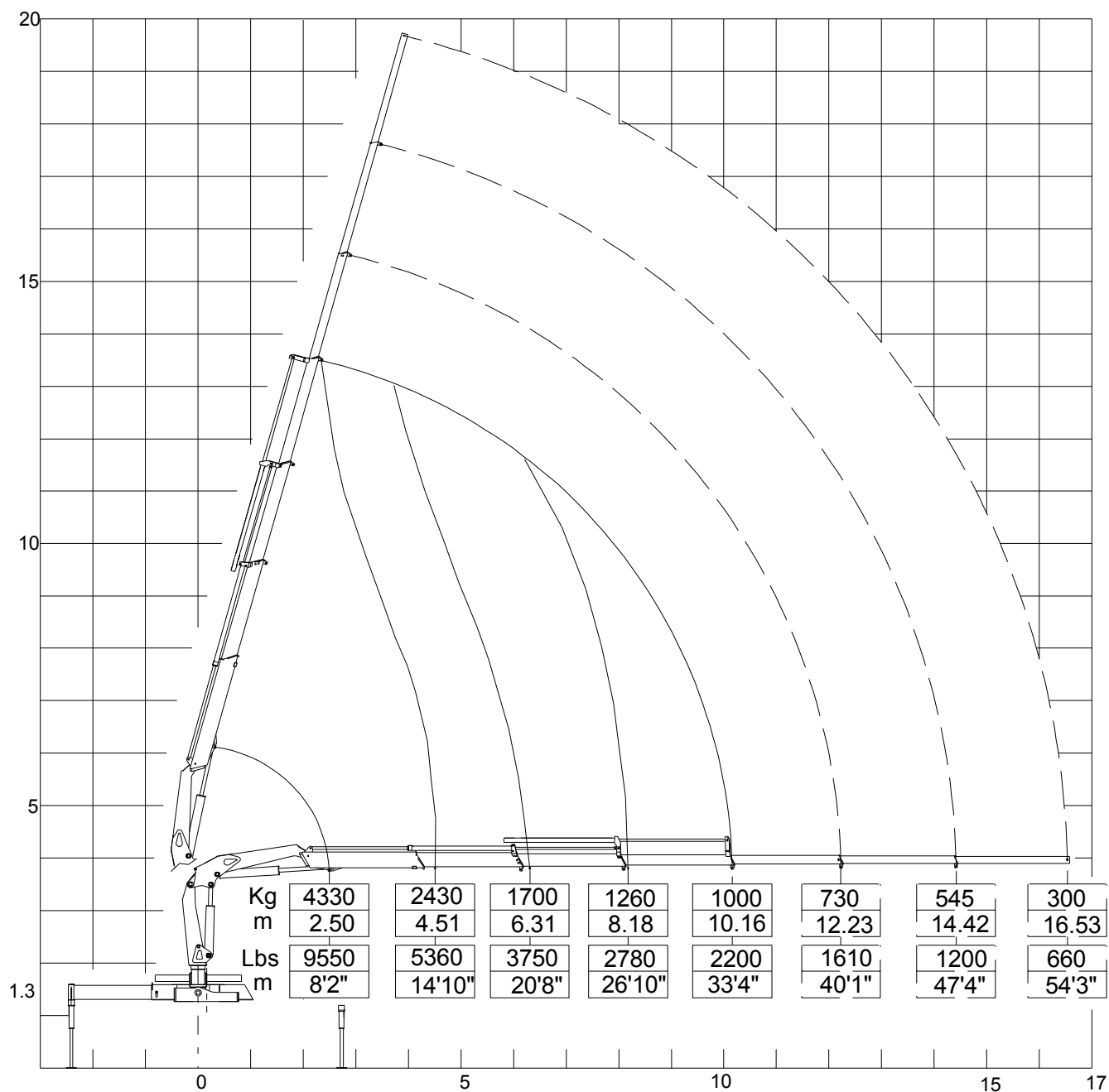
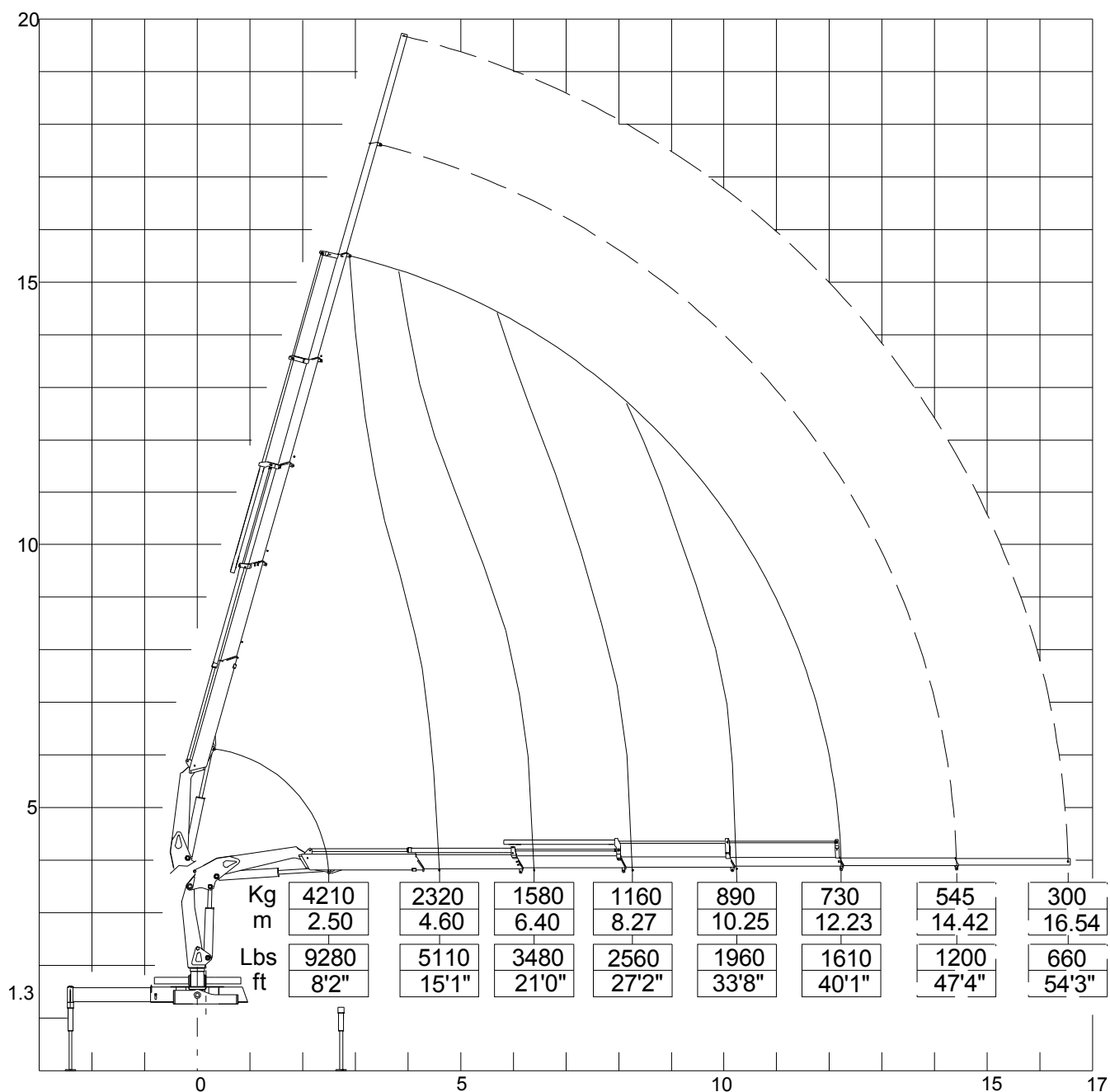


DIAGRAMMA PORTATE LOAD DIAGRAM 812 4S



812

Crane - Kran
Grue - Grua - Gru

AMCO  **VEBA**

DIAGRAMMA PORTATE LOAD DIAGRAM 812 5S

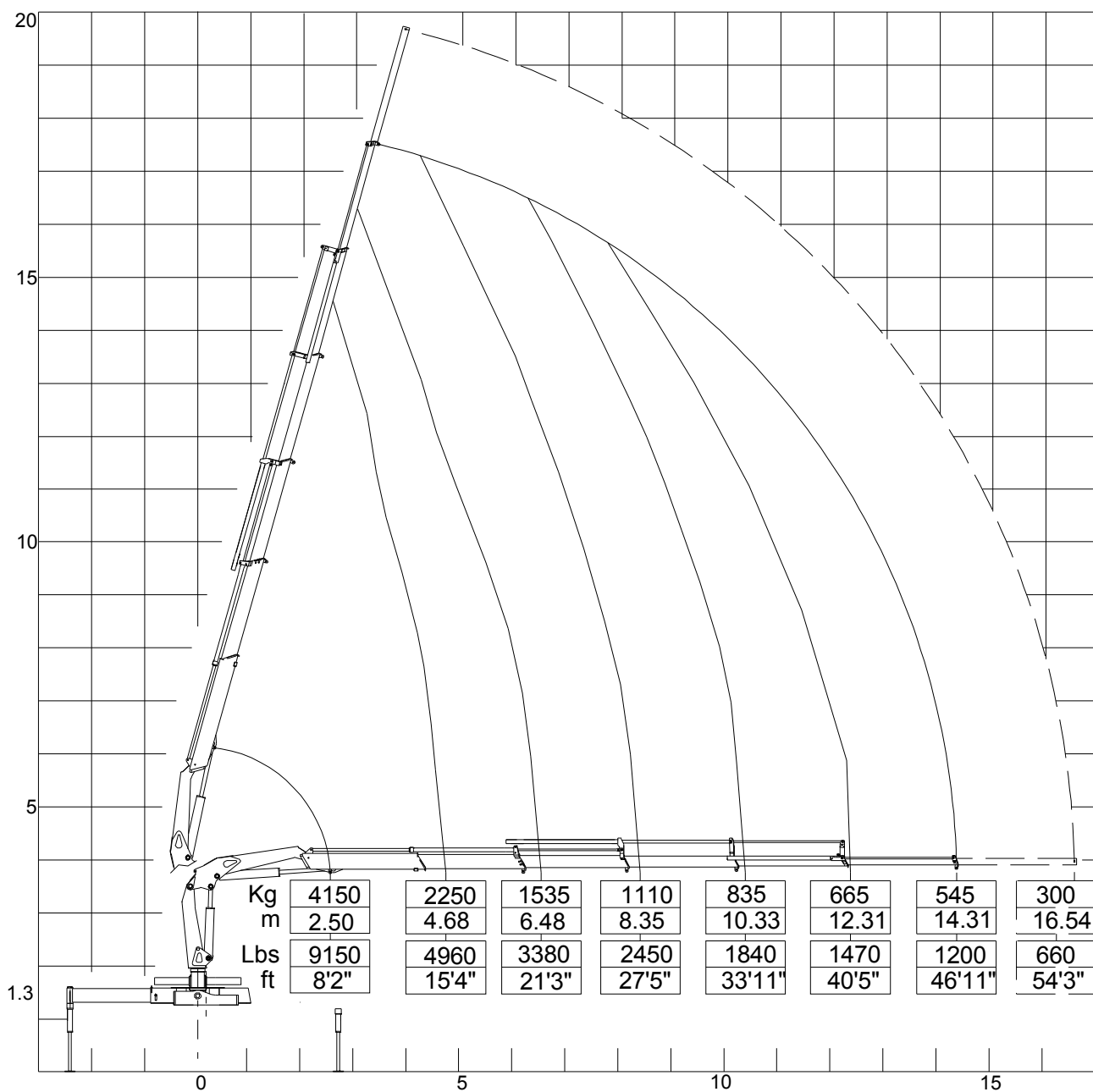
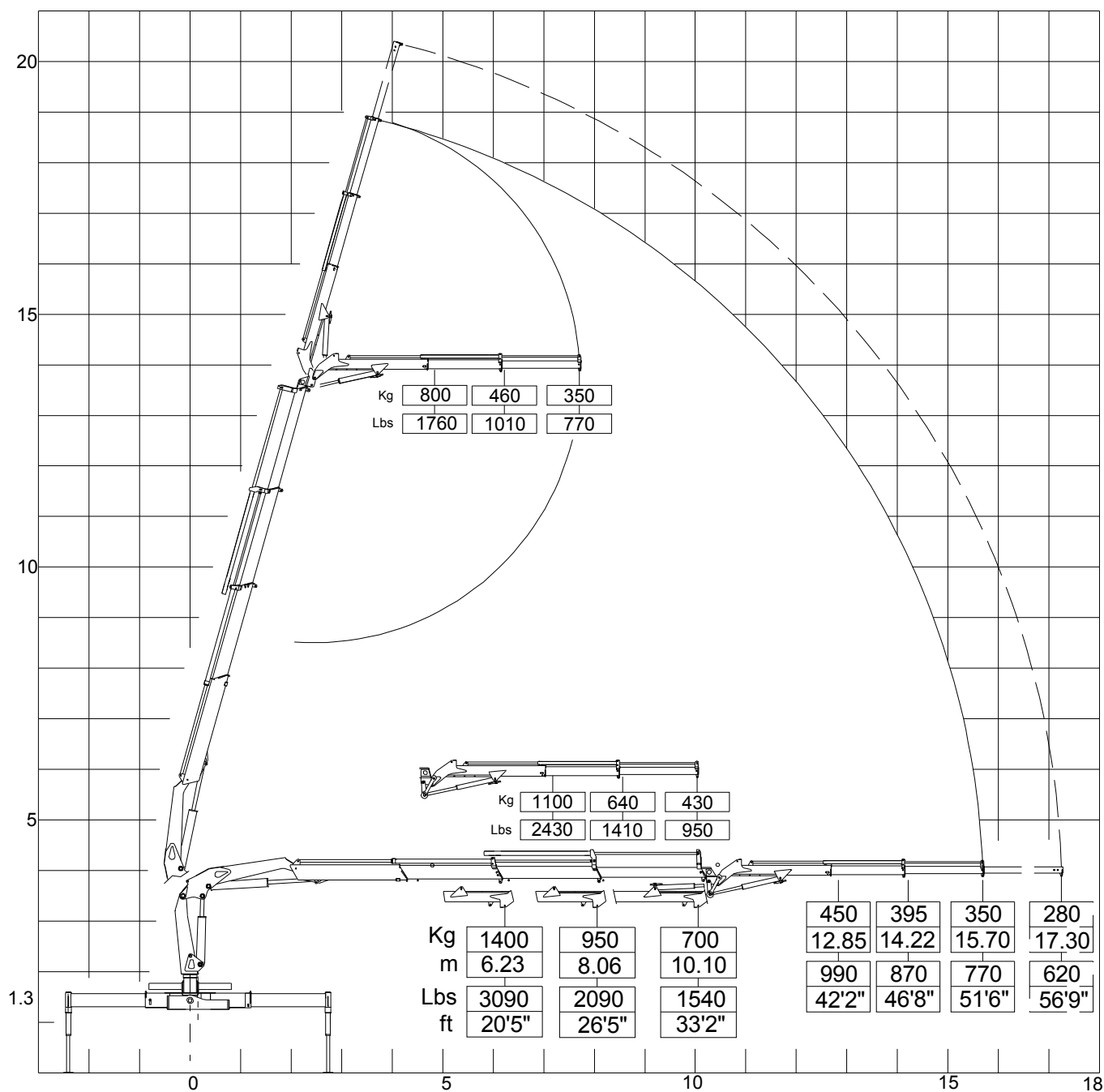
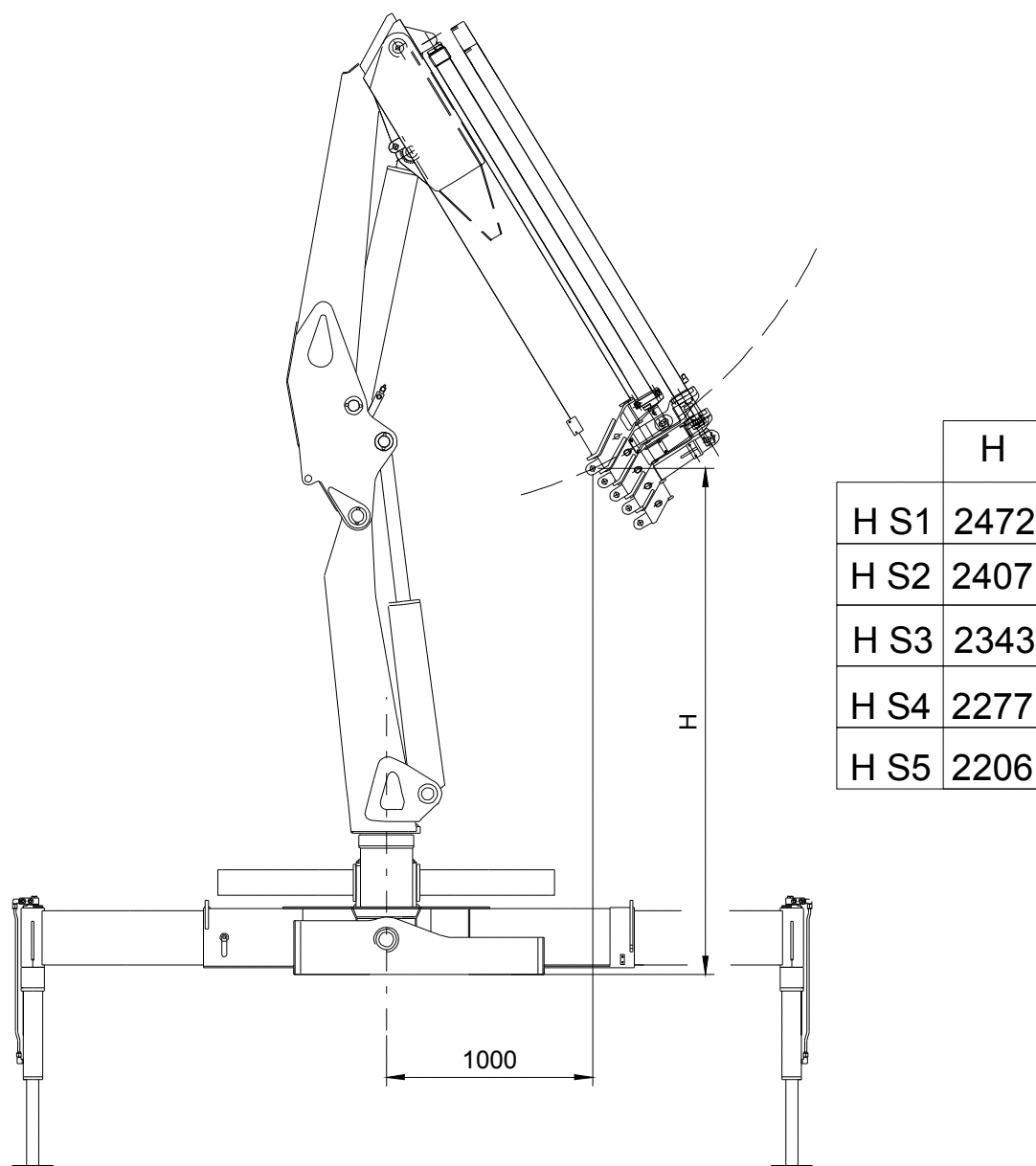
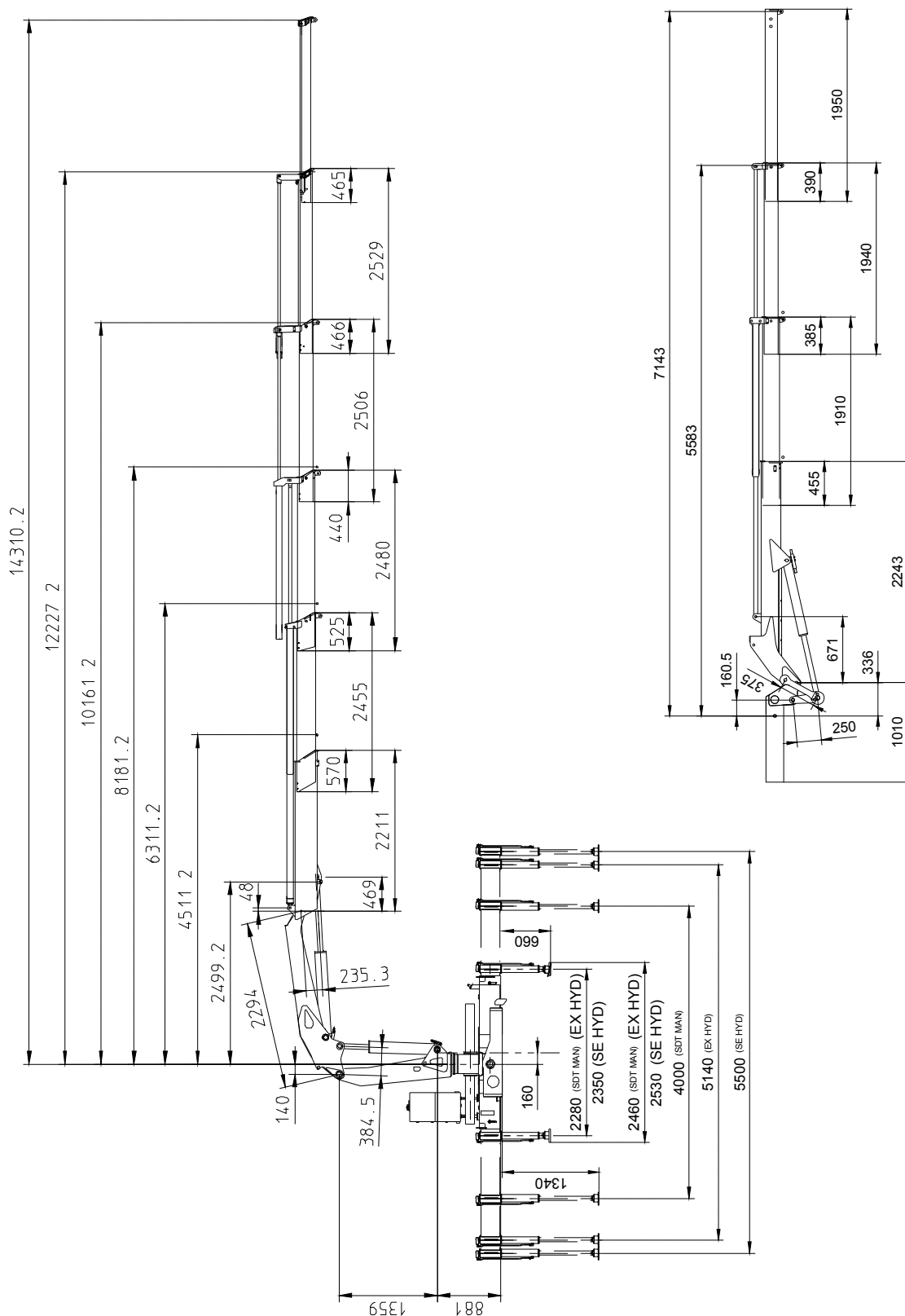


DIAGRAMMA PORTATE LOAD DIAGRAM 812 3SJ2



ALTEZZA ATTACCO GANCIO
HOOK HEIGHT

DIMENSIONI BASAMENTO – COLONNA – BRACCI BASE – COLUMN – BOOM DIMENSIONS



DIMENSIONALE CILINDRI E PERNI CYLINDERS AND PINS DIMENSIONS

CILINDRO DI SOLLEVAMENTO LIFTING CYLINDER

Alesaggio - <i>Cylinder bore</i>	125
Diametro esterno - <i>Cyl. ext. diameter</i>	145
Diametro stelo - <i>Rod diameter</i>	70 - 0
Interasse aperto - <i>Pitch (open)</i>	1743
Interasse chiuso - <i>Pitch (closed)</i>	1023
Corsa - <i>Stroke</i>	720
Ø perni articolazione - <i>Artic. pin Ø</i>	55
Materiale perno/i - <i>Pin steel</i>	39NiCrMo3 QT

CILINDRO DI ARTICOLAZIONE ARTICULATION CYLINDER

Alesaggio - <i>Cylinder bore</i>	125
Diametro esterno - <i>Cyl. ext. diameter</i>	145
Diametro stelo - <i>Rod diameter</i>	70 - 0
Interasse aperto - <i>Pitch (open)</i>	2195
Interasse chiuso - <i>Pitch (closed)</i>	1249
Corsa - <i>Stroke</i>	946
Ø perno fissaggio - <i>Fixing pin Ø</i>	55
Mat. perno/i - <i>Pin steel</i>	39NiCrMo3 QT

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>	3849
Interasse chiuso - <i>Pitch (closed)</i>	2049
Corsa - <i>Stroke</i>	1800
Ø perni articolazione - <i>Artic. pin Ø</i>	25
Materiale perno/i - <i>Pin steel</i>	39NiCrMo3 QT

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>	2010
Interasse chiuso - <i>Pitch (closed)</i>	140
Corsa - <i>Stroke</i>	1870
Ø perno fissaggio - <i>Fixing pin Ø</i>	25
Mat. perno/i - <i>Pin steel</i>	C40 NORM.

CILINDRO 3° SFILO 3RD 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>	2120
Interasse chiuso - <i>Pitch (closed)</i>	140
Corsa - <i>Stroke</i>	1980
Ø perni articolazione - <i>Artic. pin Ø</i>	25
Materiale perno/i - <i>Pin steel</i>	39NiCrMo3 QT

CILINDRO 4° SFILO 4TH EXTENSION CYL.

Alesaggio - <i>Cylinder bore</i>	65
Diametro esterno - <i>Cyl. ext. diameter</i>	75
Diametro stelo - <i>Rod diameter</i>	40 - 0
Interasse aperto - <i>Pitch (open)</i>	2120
Interasse chiuso - <i>Pitch (closed)</i>	140
Corsa - <i>Stroke</i>	1980
Ø perno fissaggio - <i>Fixing pin Ø</i>	25
Mat. perno/i - <i>Pin steel</i>	39NiCrMo3 QT

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>	40 - 0
Interasse aperto - <i>Pitch (open)</i>	2100
Interasse chiuso - <i>Pitch (closed)</i>	140
Corsa - <i>Stroke</i>	2000
Ø perni articolazione - <i>Artic. pin Ø</i>	25
Materiale perno/i - <i>Pin steel</i>	39NiCrMo3 QT

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>	636
Ø perno fissaggio - <i>Fixing pin Ø</i>	-
Mat. perno/i - <i>Pin steel</i>	-

DIMENSIONALE CILINDRI E PERNI JIB

JIB CYLINDERS AND PINS DIMENSIONS

CILINDRO ARTICOLAZIONE JIB JIB ARTICULATION CYLINDER

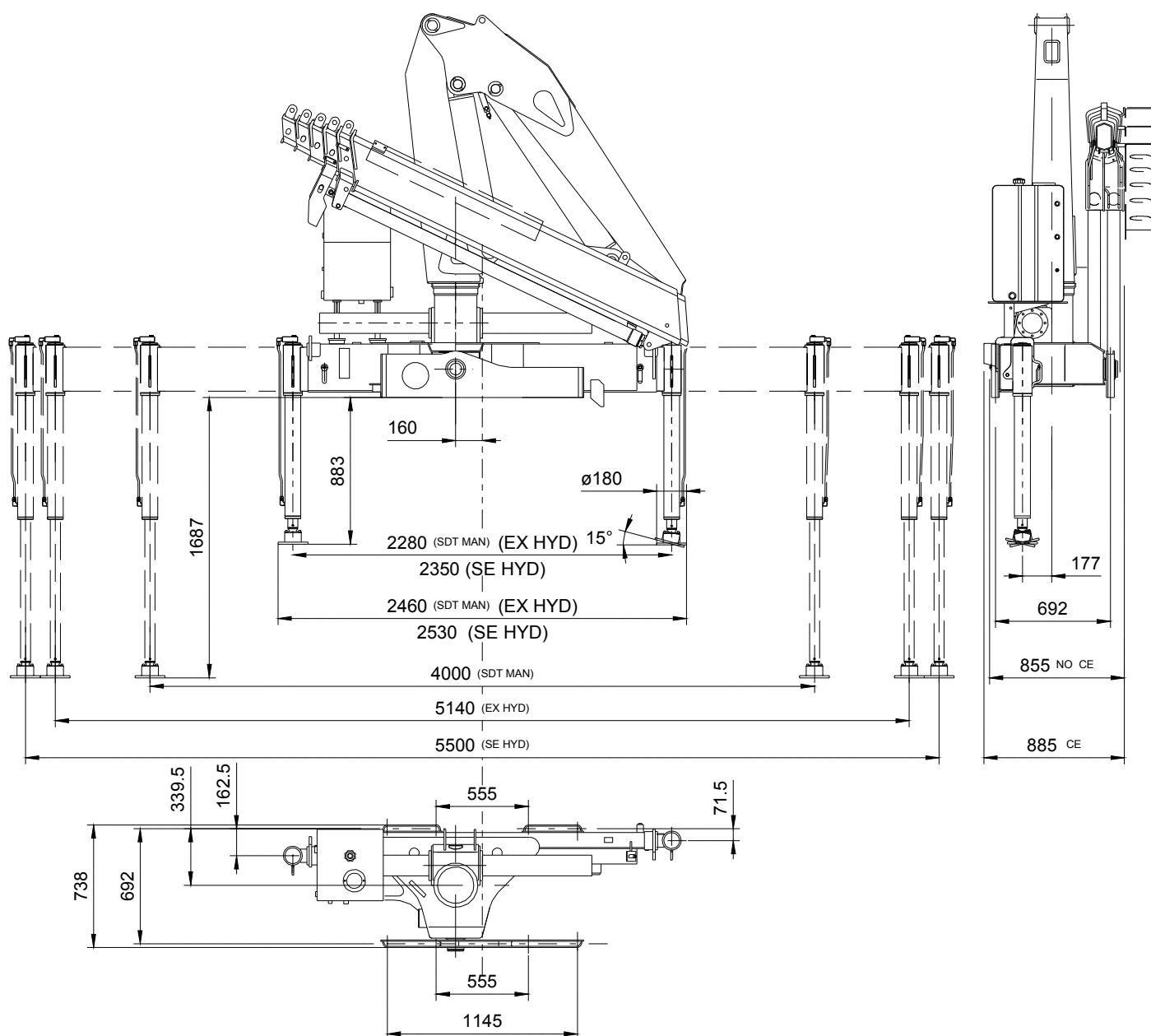
Alesaggio - <i>Cylinder bore</i>	80
Diametro esterno - <i>Cyl. ext. diameter</i>	90
Diametro stelo - <i>Rod diameter</i>	50 - 0
Interasse aperto - <i>Pitch (open)</i>	1427
Interasse chiuso - <i>Pitch (closed)</i>	842
Corsa - <i>Stroke</i>	585
Ø perno fissaggio - <i>Fixing pin Ø</i>	45 - 30
Mat. perno/i - <i>Pin steel</i>	39NiCrMo3 QT

CILINDRO 1° SFILO JIB 1ST EXTENSION CYL. OF JIB

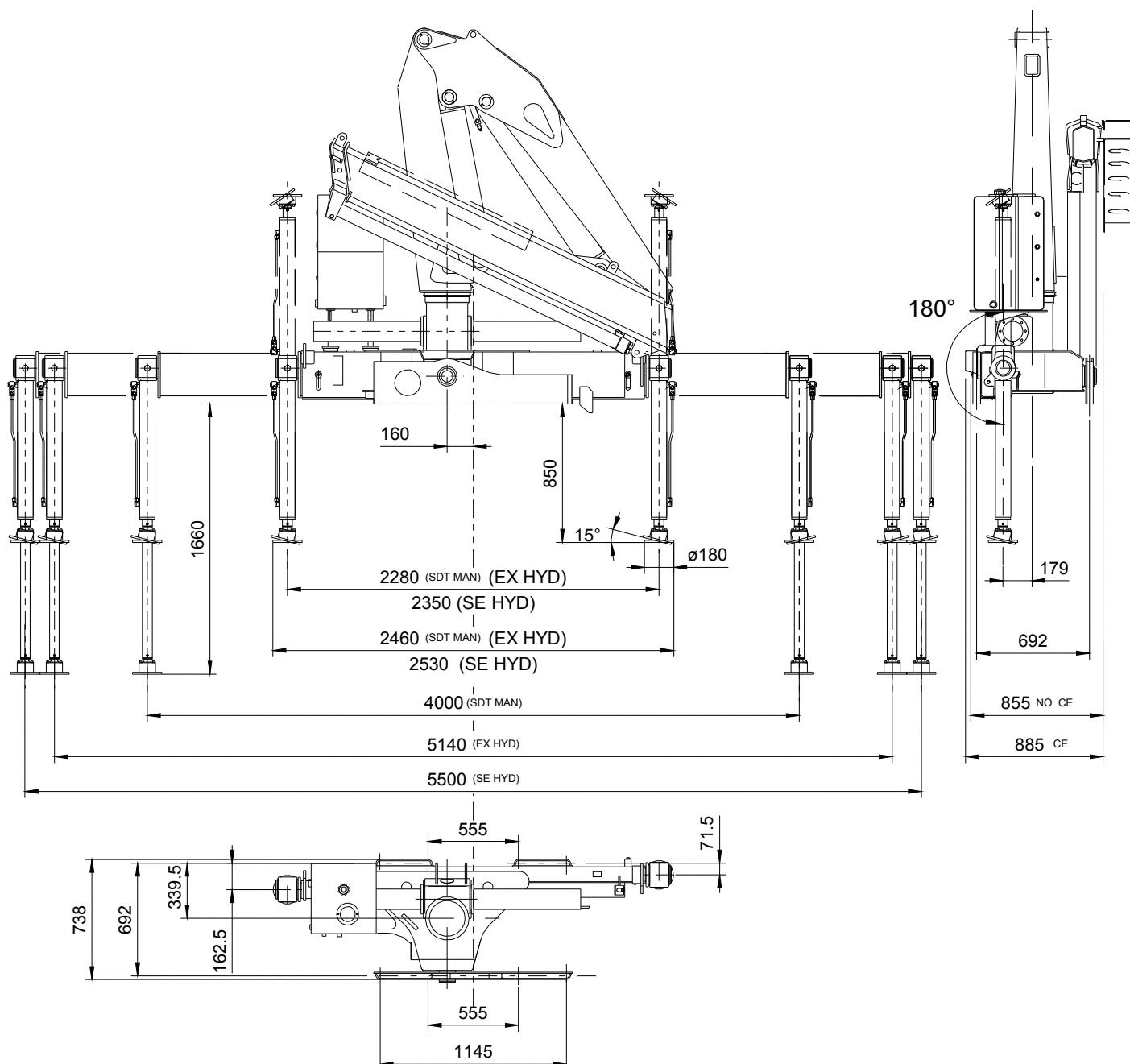
Alesaggio - <i>Cylinder bore</i>	55
Diametro esterno - <i>Cyl. ext. diameter</i>	65
Diametro stelo - <i>Rod diameter</i>	40 - 0
Interasse aperto - <i>Pitch (open)</i>	2997
Interasse chiuso - <i>Pitch (closed)</i>	1617
Corsa - <i>Stroke</i>	1380
Ø perni articolazione - <i>Artic. pin Ø</i>	30
Materiale perno/i - <i>Pin steel</i>	C40 NORM.

CILINDRO 2° SFILO JIB 2ND EXTENSION CYL. OF JIB

Alesaggio - <i>Cylinder bore</i>	50
Diametro esterno - <i>Cyl. ext. diameter</i>	60
Diametro stelo - <i>Rod diameter</i>	30 - 0
Interasse aperto - <i>Pitch (open)</i>	1568
Interasse chiuso - <i>Pitch (closed)</i>	88
Corsa - <i>Stroke</i>	1480
Ø perno fissaggio - <i>Fixing pin Ø</i>	20
Mat. perno/i - <i>Pin steel</i>	39NiCrMo3 QT

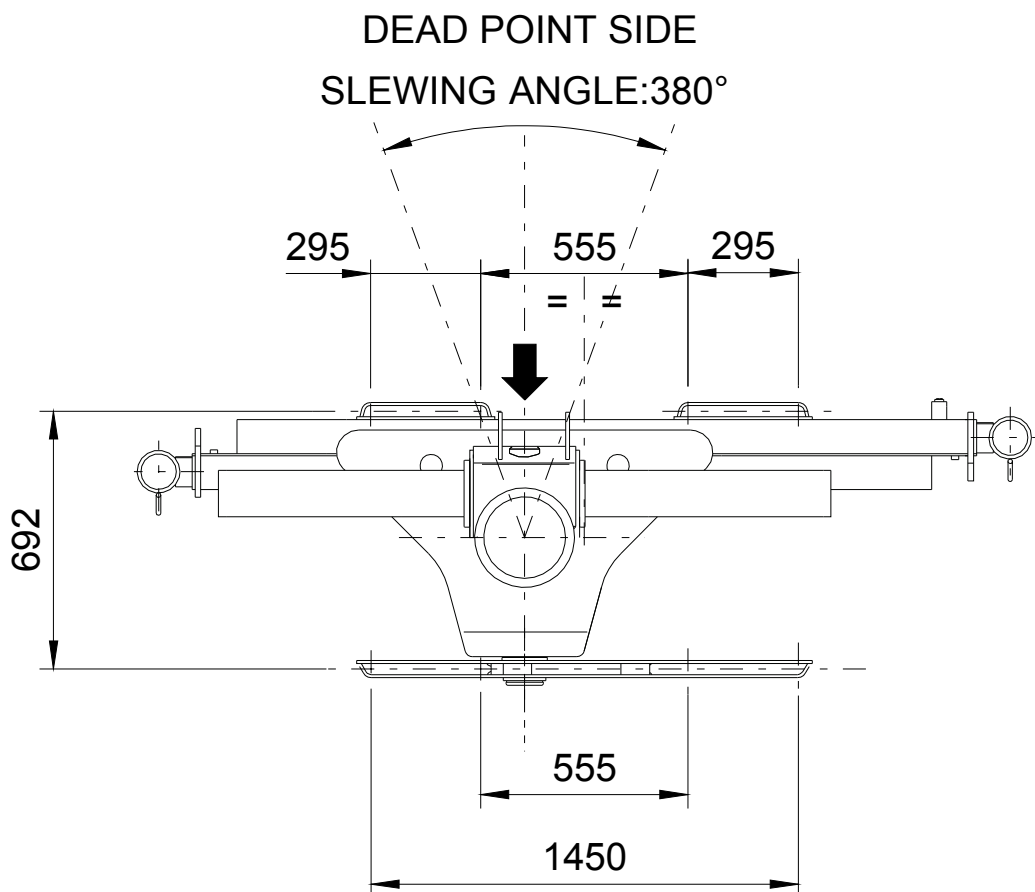
DIMENSIONI BASAMENTO CON STABILIZZATORI SCORREVOLI LUNGI
BASE DIMENSIONS WITH LONG STABILIZERS

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



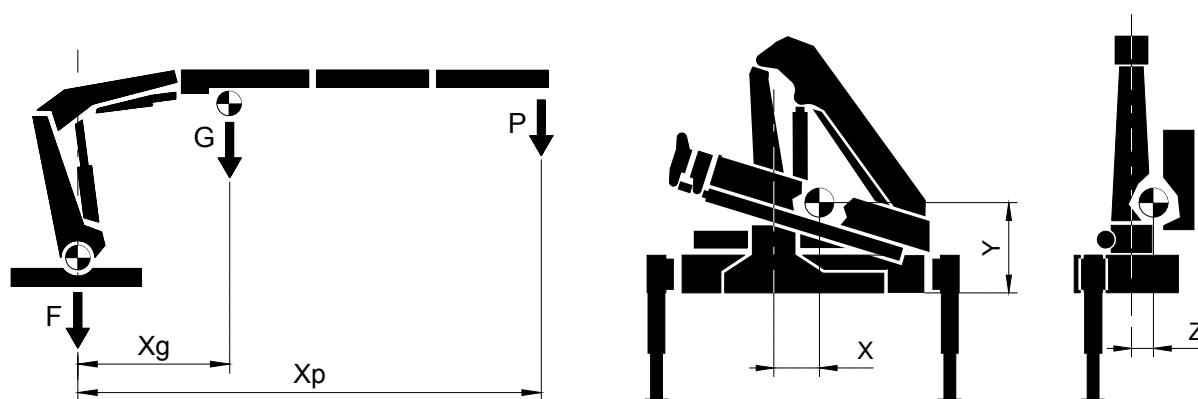
TRAVERSA CON STABILIZZATORI GIREVOLI LUNGI **CROSSBAR WITH LONG TILTING CYLINDER**

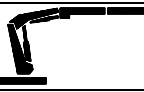
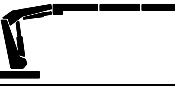
NON DISPONIBILE
NOT AVAILABLE

TIRANTI DI STAFFAGGIO E VITI ROTAZIONE
TIE MOUNTING RODS & ROTATION SCREWS

Tiranti di staffaggio Tie mounting rods	N°8 M24x2 39NiCrMo3 QT
Viti fissaggio 1 canna di rotazione Fixing bolts for 1 rotation cylinder	N°4 M14x35 8.8 UNI 5931 Coppia di serraggio (Tightening torque) 80 Nm

PESI – BARICENTRI WEIGHTS – CENTER OF GRAVITY 812

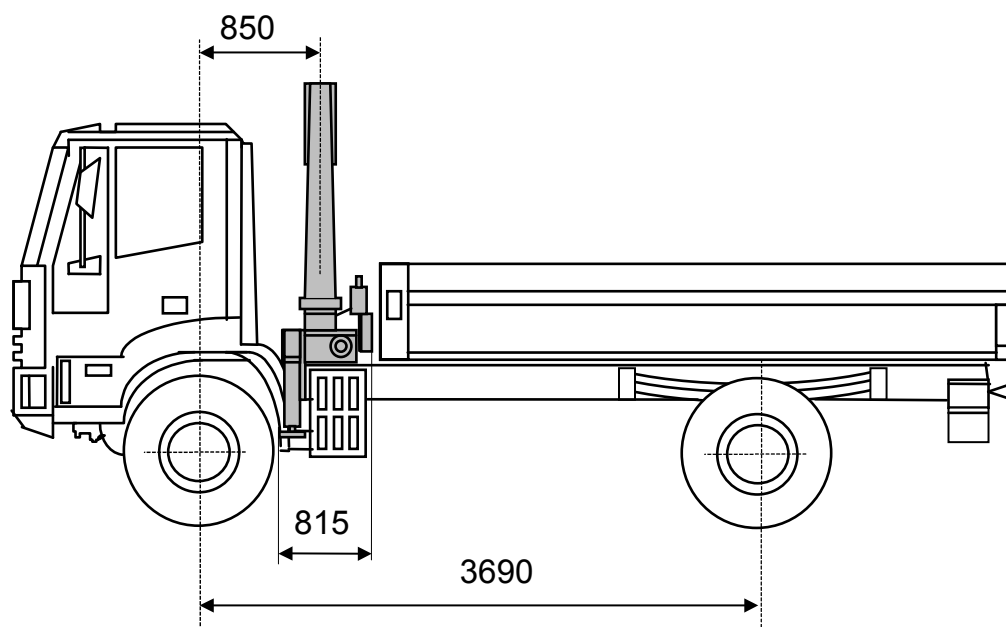


812		F [kg]	G [kg]	Xg [m]	P [kg]	Xp [m]	TL [kg]	(X; Y; Z) [mm]
1S		STD-M: 1010 EX-M: 1065 EX-H: 1090 SE-H: 1120	535	2.52	1910	6.14	2388	(132; 736; 2)
2S			655	3.20	1360	8.10	1700	(131; 754; 24)
3S			760	3.90	1000	10.16	1251	(126; 768; 42)
4S			855	4.55	730	12.23	934	(119; 784; 55)
5S			945	5.26	545	14.31	713	(111; 801; 67)
3SJ2			1070	5.85	350	15.7	489	(126; 908; 83)

F = peso parti fisse
G = peso bracci a sbalzo
Xg = distanza di G da asse colonna
P = carico nominale
Xp = distanza di P da asse colonna
TL = carico per prova di stabilità
X, Y, Z = coordinate baricentro (gru chiusa)

F = weight of fixed parts
G = weight of extension booms
Xg = distance of G from column axis
P = nominal load
Xp = distance of P from column axis
TL = stability test load
X, Y, Z = center of gravity coordinates (closed crane)

AUTOCARRO MINIMO SENZA STABILIZZATORI SUPPLEMENTARI MIN TRUCK WITHOUT SUPPLEMENTARY STABILIZERS



PTT (GVW) = 170 q

DATI AUTOCARRO A VUOTO

Asse anteriore

Tara asse anteriore = 3500 kg

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

Asse posteriore

Tara asse posteriore = 1920 kg

CHASSIS DATA

Front axle

Front axle tare weight = 3500 kg

Front axle allowable weight = 7500 kg

Rear axle

Rear axle tare weight = 1920 kg

PESI ALLESTIMENTO

Peso cassone = 600 kg

Peso gru = 1950 kg (812 5S AA)

Peso controtelaio = 180 kg

OUTFIT WEIGHTS

Body weight = 600 kg

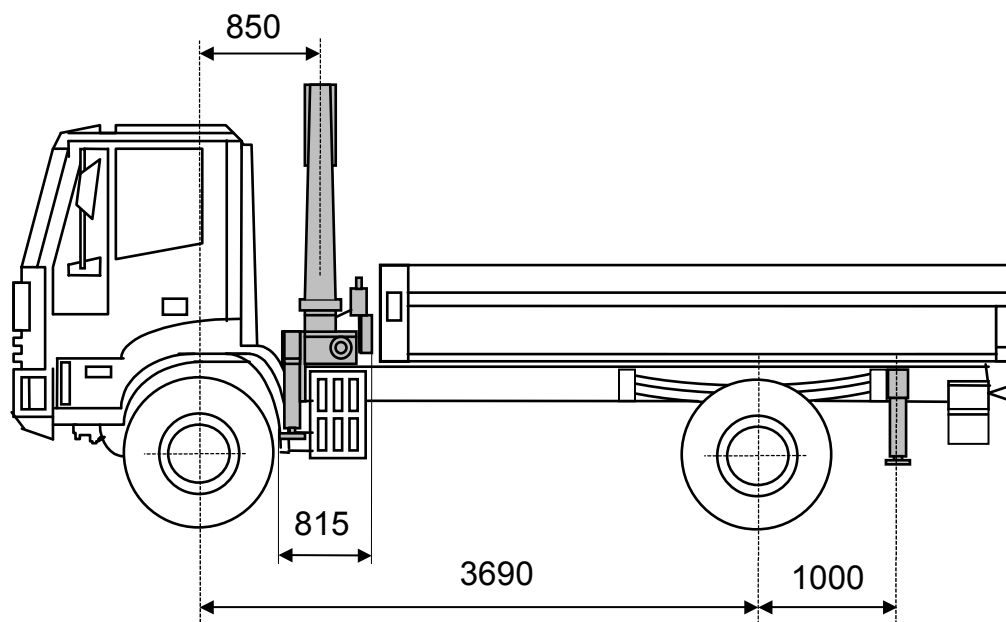
Crane weight = 1950 kg (812 5S AA)

Counterframe weight = 180 kg

Coefficiente di stabilità = 1,40

Stability index = 1,40

AUTOCARRO MINIMO CON STABILIZZATORI SUPPLEMENTARI MIN TRUCK WITH SUPPLEMENTARY STABILIZERS



PTT (GVW) = 120 q

DATI AUTOCARRO A VUOTO

Asse anteriore

Tara asse anteriore = 2785 kg

Tara ammissibile asse anteriore = 4400 kg

Asse posteriore

Tara asse posteriore = 1275 kg

CHASSIS DATA

Front axle

Front axle tare weight = 2785 kg

Allowable front axle weight = 4400 kg

Rear axle

Rear axle tare weight = 1275 kg

PESI ALLESTIMENTO

Massa cassone = 600 kg

Massa gru = 1870 kg (812 5S Stand.)

Massa controtelaio = 250 kg

OUTFIT WEIGHTS

Body weight = 600 kg

Crane weight = 1870 (812 5S Stand.)

Counterframe weight = 250 kg

Stabilizzatori supplementari

Apertura minima = 3000 mm

Peso stabilizzatori supplementari = 130 kg

Rear beam stabilizers

Min. width = 3000 mm

Rear stabilizer weight = 130 kg

Coefficiente di stabilità = 1,31

Stability index = 1,31

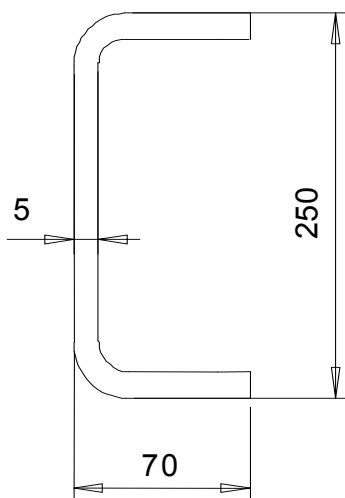
CONTROTELAIO MINIMO
MIN COUNTERFRAME**Momento dinamico max (daNm)**

Max dynamic moment

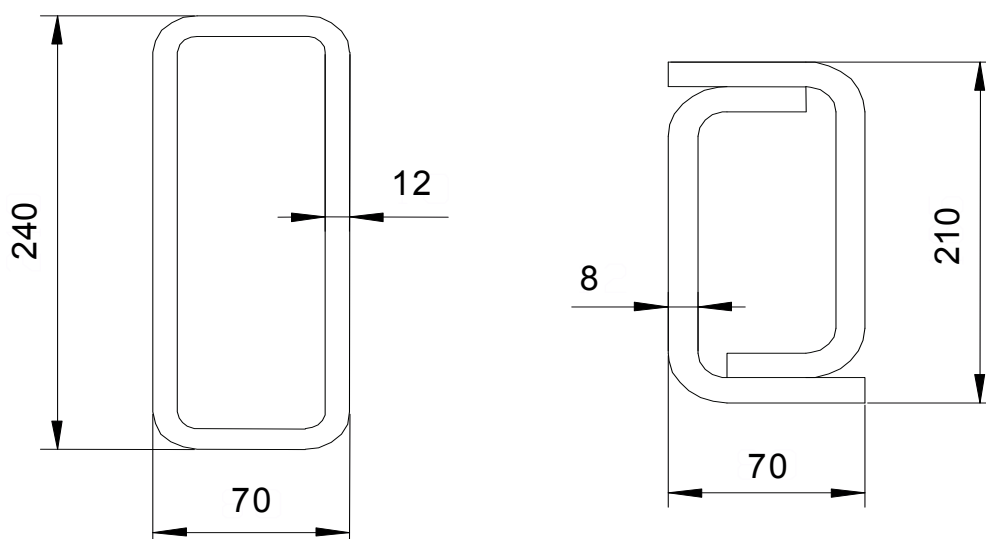
15000

Sezione telaio minima (autocarro PTT=120 q)

Min frame section (truck GVW 12.0 ton)

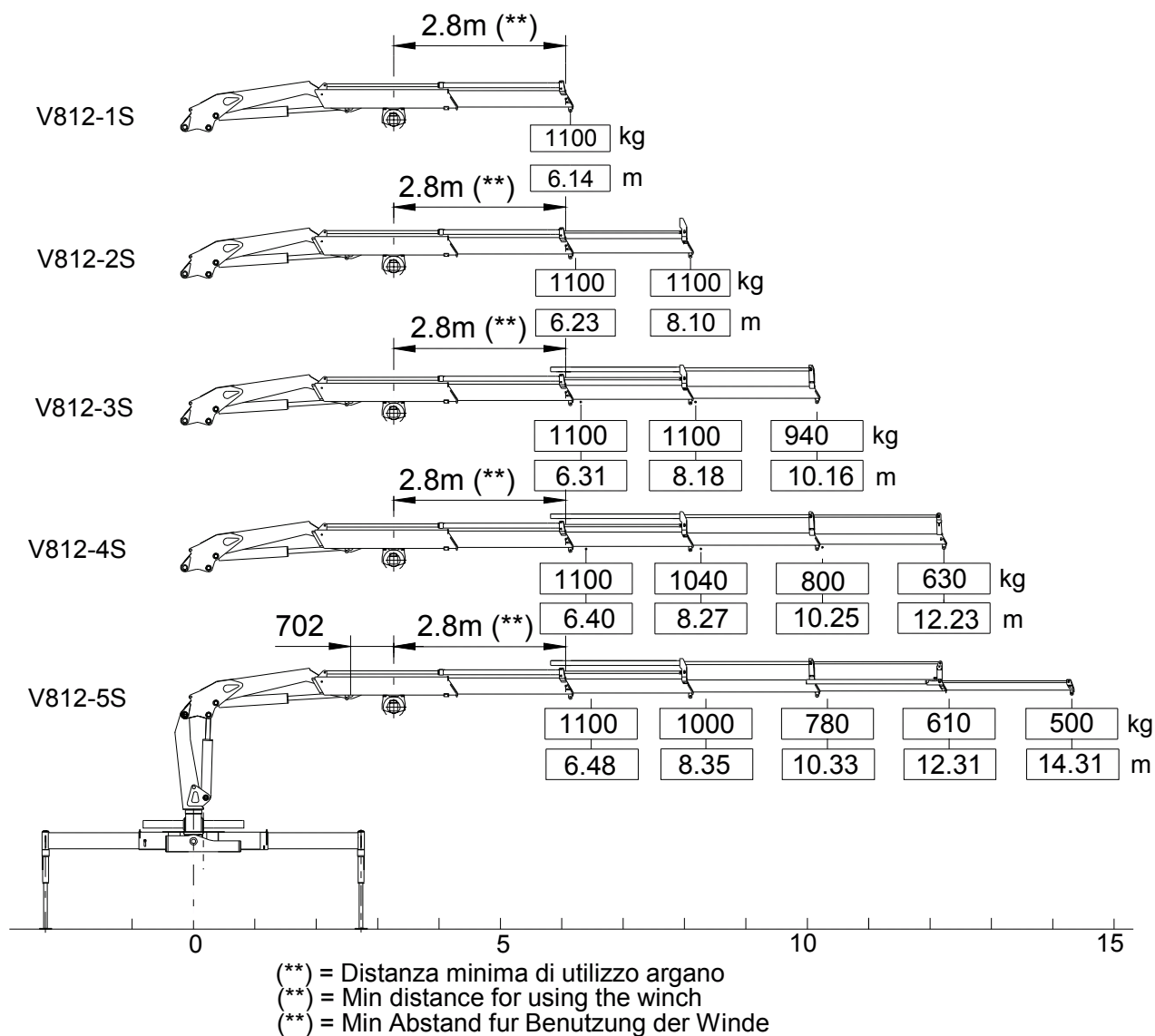
**Sezione minima contro telaio (materiale Fe510 - S355)**

Min counterframe section (steel S355)



CARATTERISTICHE VERRICELLO IDRAULICO HYDRAULIC WINCH DATA

Max tiro diretto (kg) Max winch direct pull (kg)	1100kg
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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	200 bar

