

814C

RACCOLTA TECNICA **TECHNICAL BOOK**



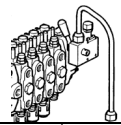
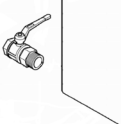
CARATTERISTICHE GENERALI TECHNICAL DATA

Momento dinamico max (daNm) Max dynamic moment	18110
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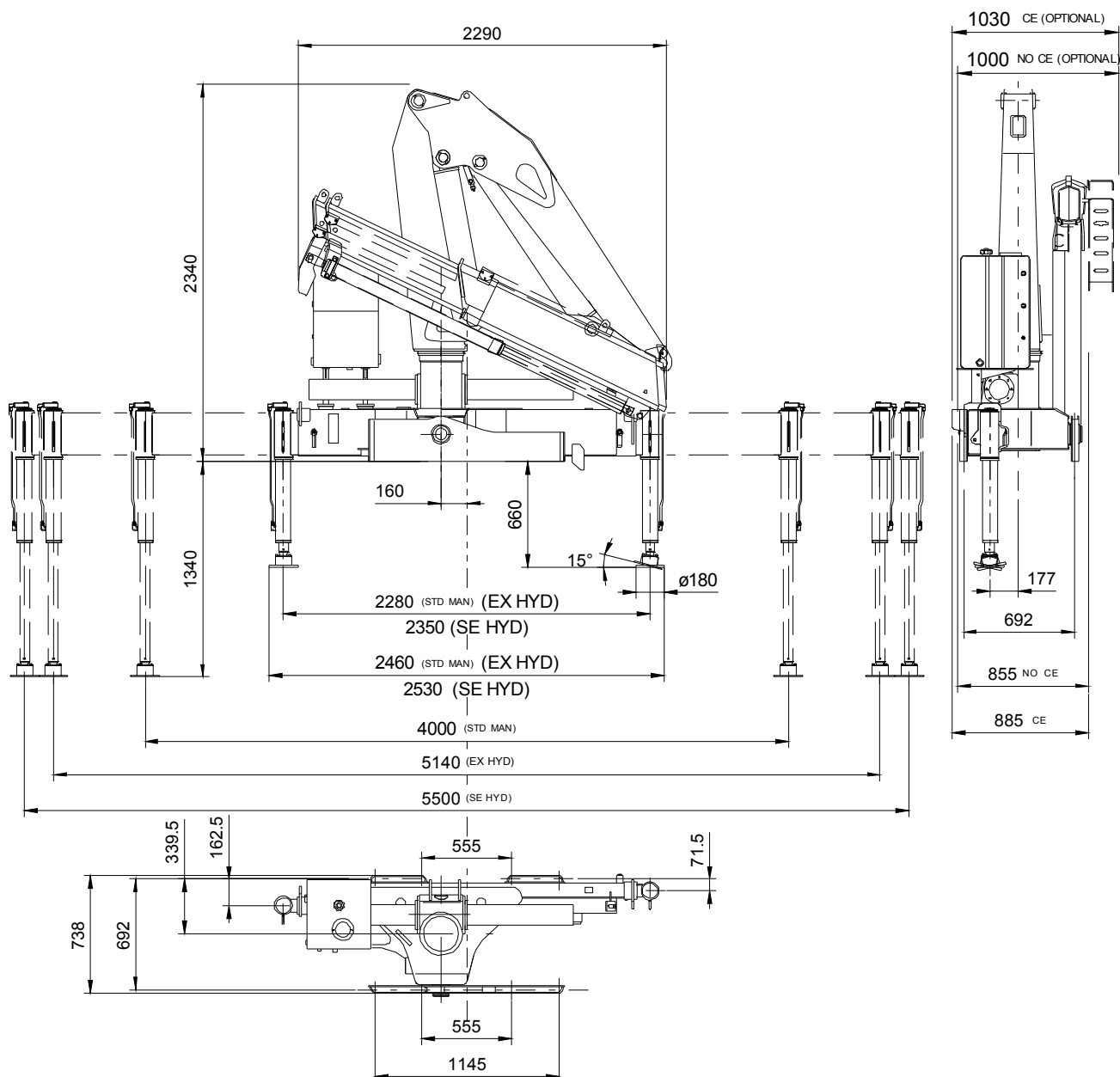
	Versione	Q _{max}
Portata max (kg) Max load	2S	5200
	3S	5000
	4S	4500
	5S	4500

	Versione	STD-M	EX-M	EX-H	SE-H
Massa in ordine di lavoro (kg) Crane weight	2S	1745	1800	1845	1855
	3S	1865	1920	1965	1975
	4S	1965	2020	2065	2075
	5S	2055	2110	2155	2165

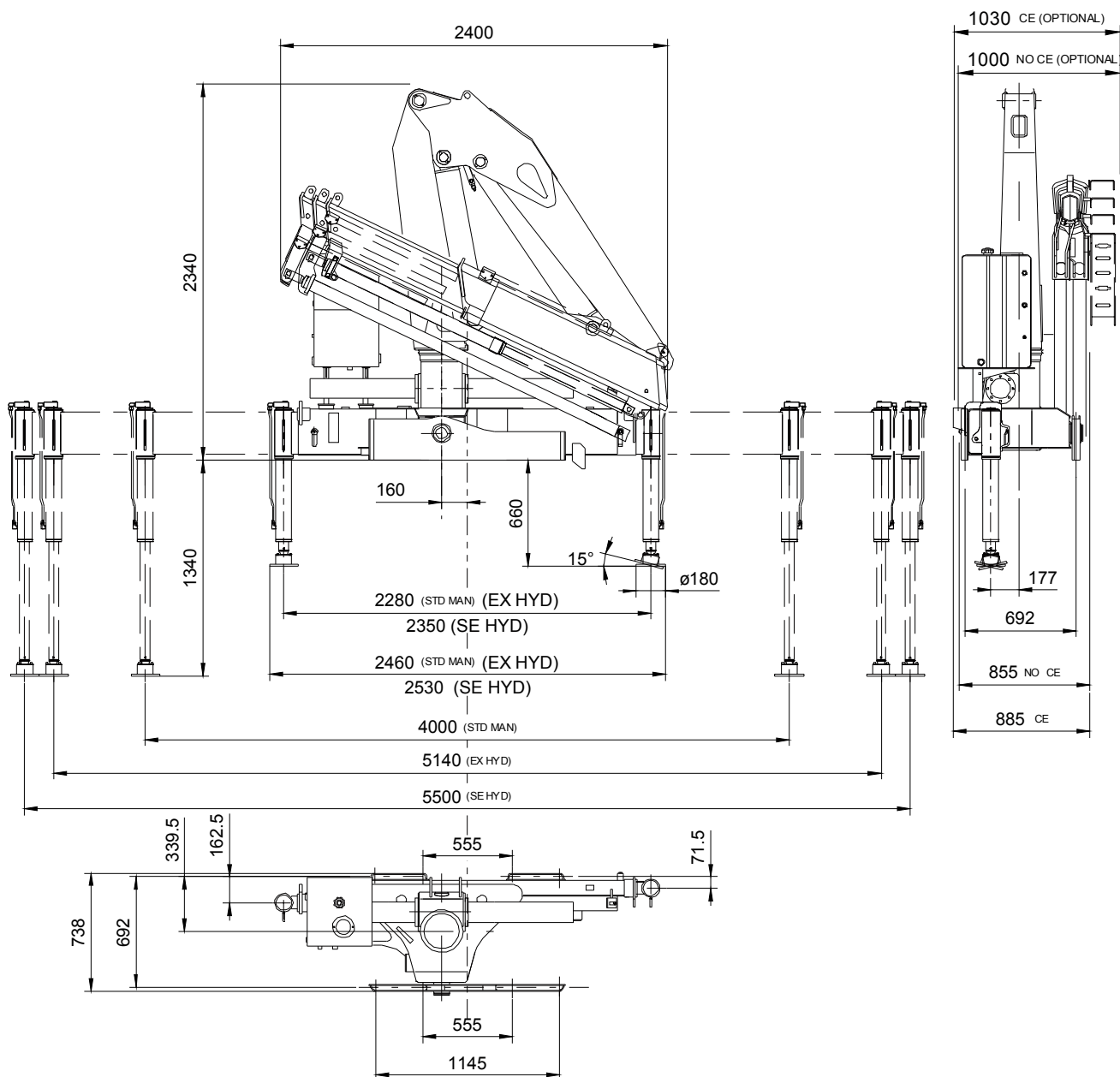
	STD	EX	SE
Reazione massima sullo stabilizzatore (daN) Max force on the stabilizer leg	9845	7515	6995
Carico massimo trasmesso al suolo da stabilizzatori (daN/cm²) Max stabilizer pressure on the ground	39	30	28
Pressione massima di esercizio Max working pressure	270 bar		
Portata massima di olio Max oil flow	30 l/min		
Capacità serbatoio olio Oil tank capacity	100 l		
Coppia di rotazione Slewing moment	1825 daNm		
Angolo di rotazione Slewing angle	380°		
Potenza assorbita Absorbed power	18 kW 24 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
814C 2S



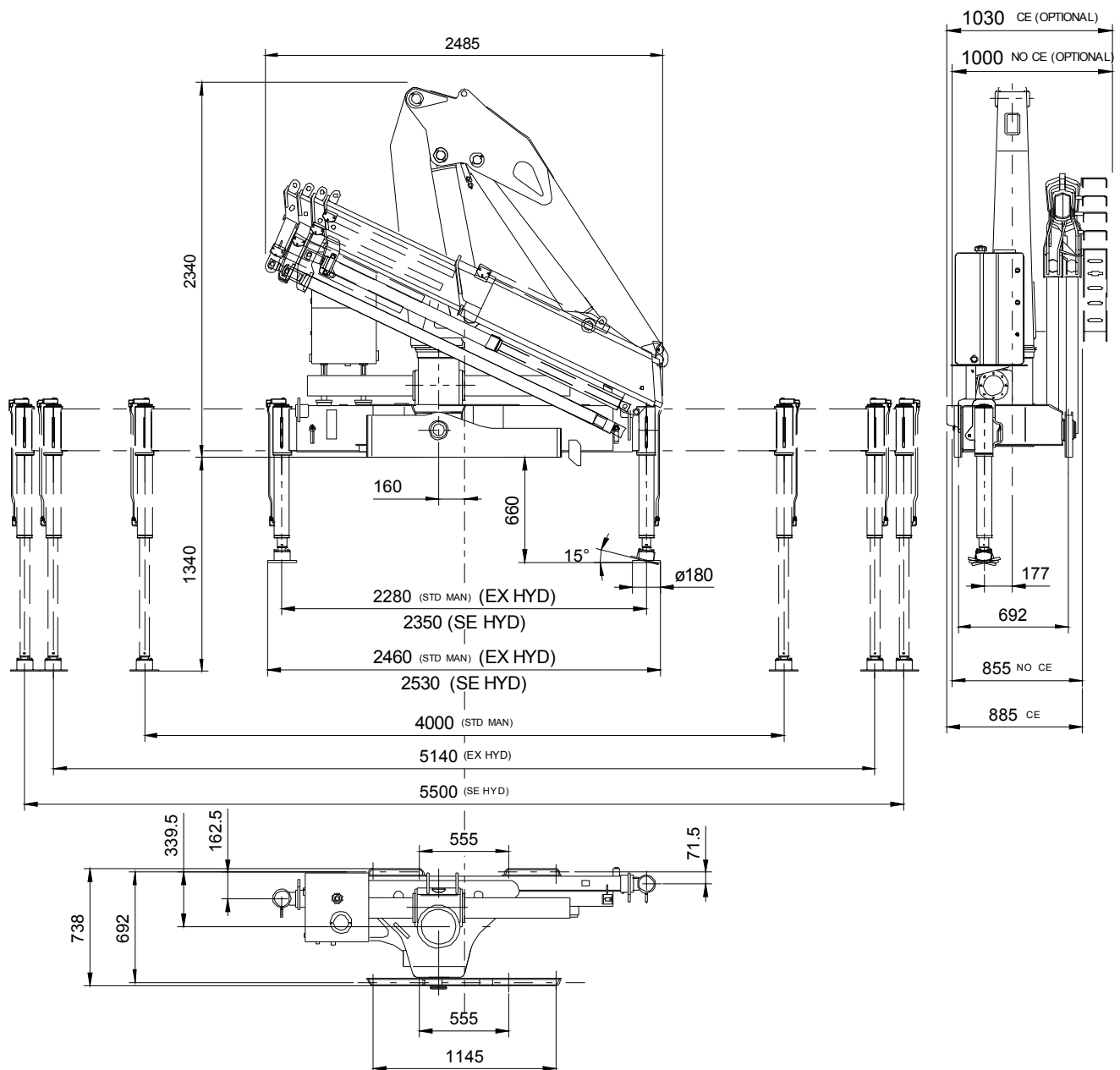
DIMENSIONI DI INGOMBRO
DIMENSIONS
814C 3S



DIMENSIONI DI INGOMBRO

DIMENSIONS

814C 4S



DIMENSIONI DI INGOMBRO
DIMENSIONS
814C 5S

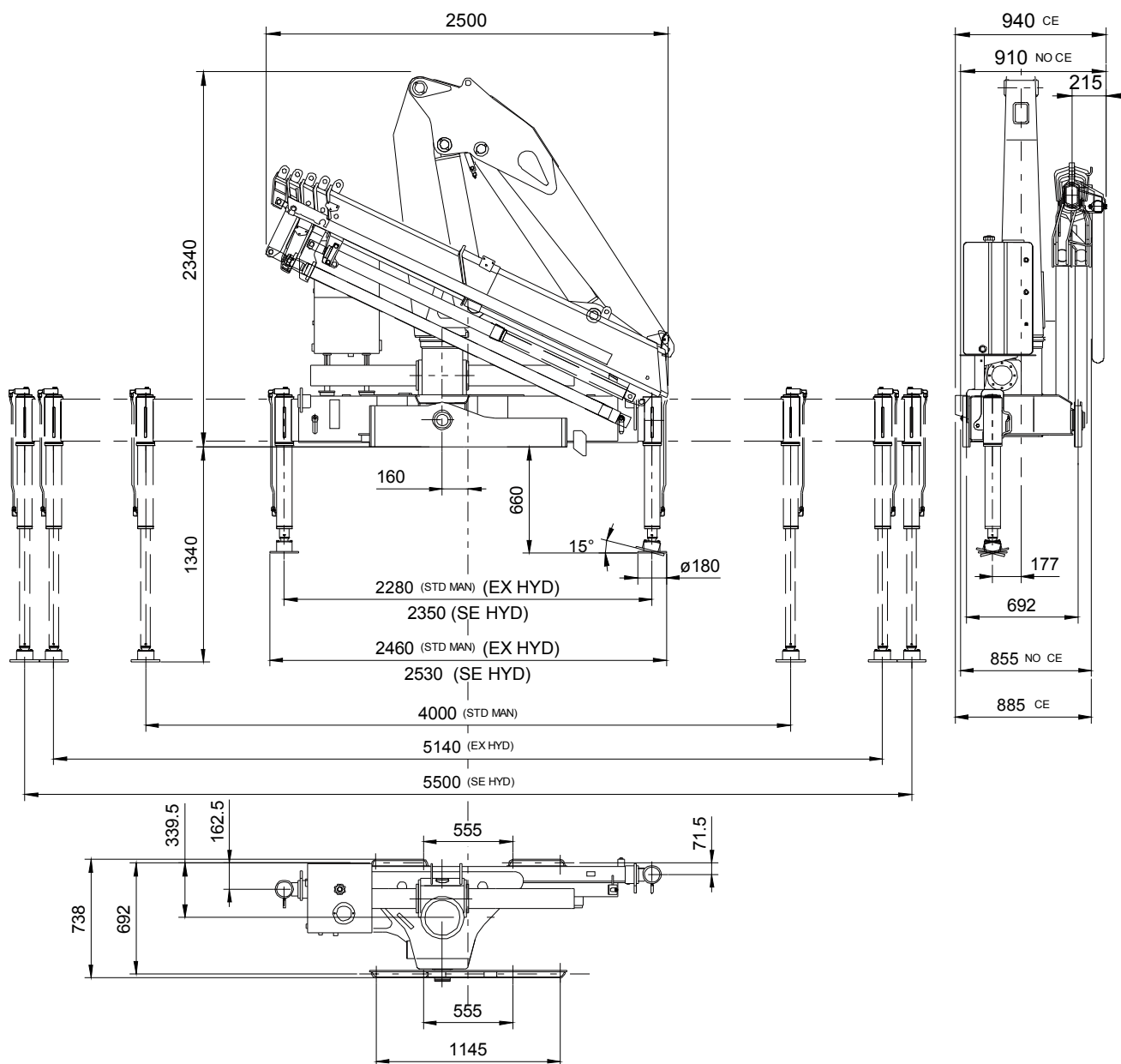


DIAGRAMMA PORTATE
LOAD DIAGRAM
814C 2S

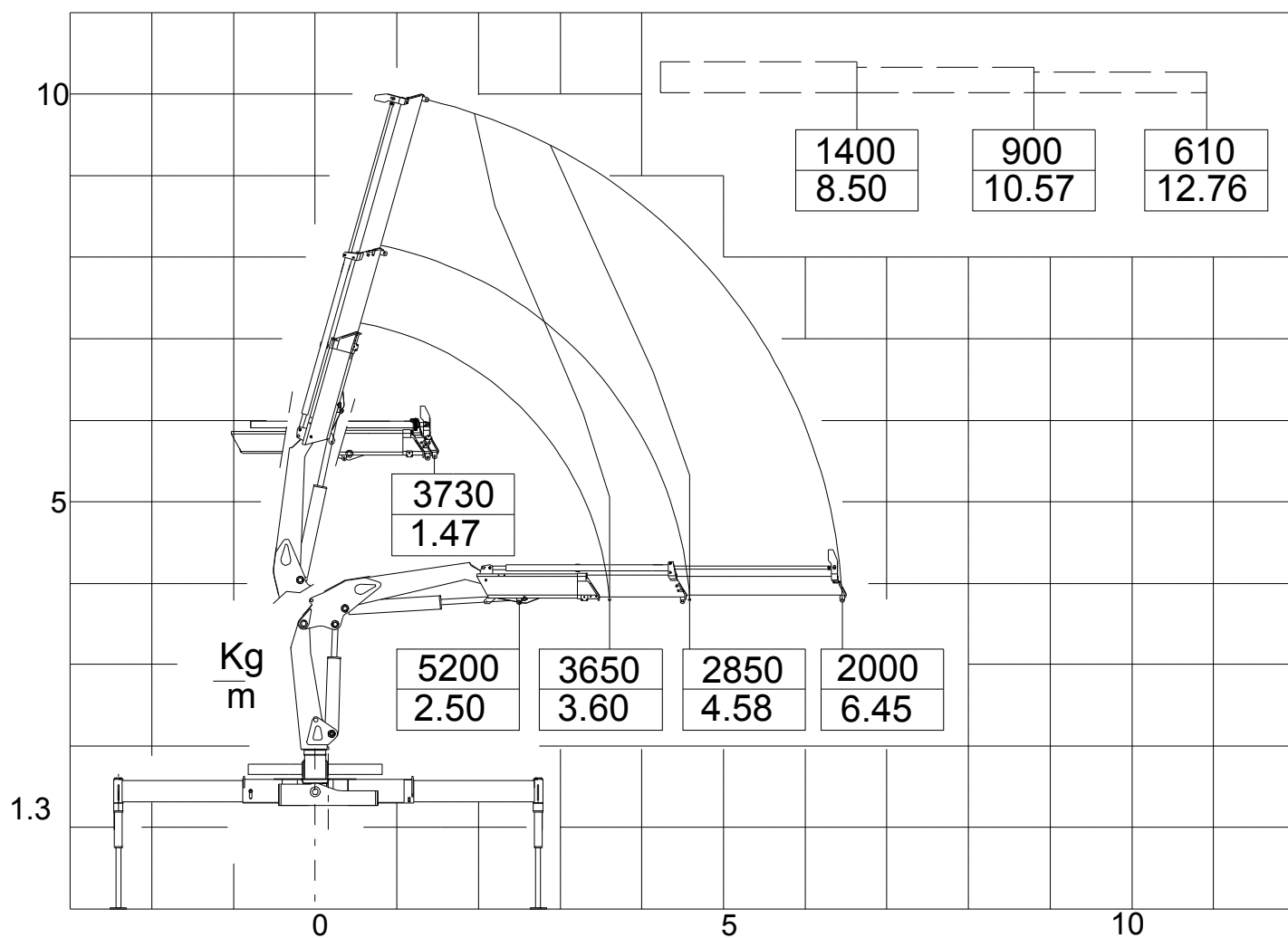


DIAGRAMMA PORTATE
LOAD DIAGRAM
814C 3S

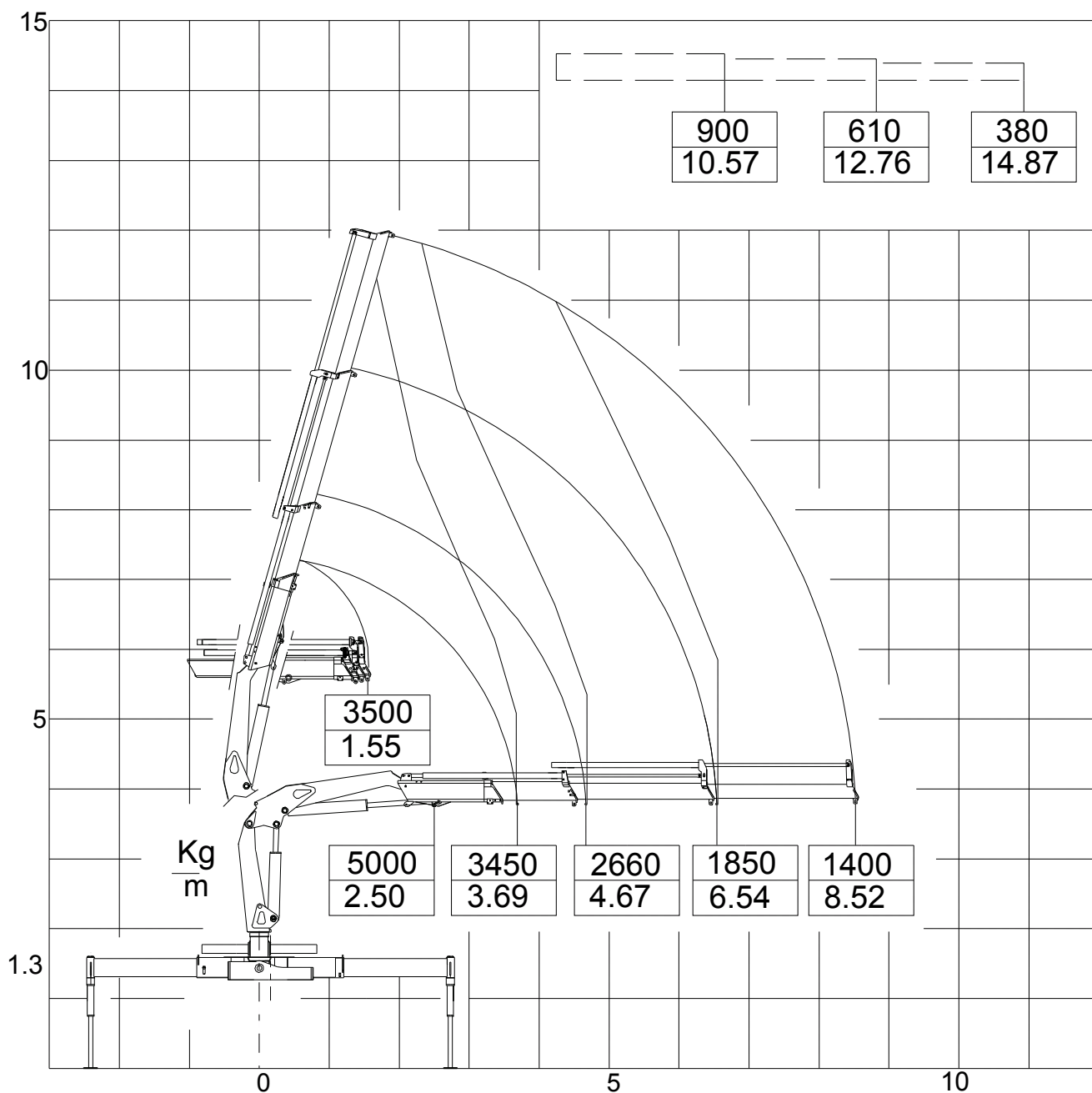


DIAGRAMMA PORTATE
LOAD DIAGRAM
814C 4S

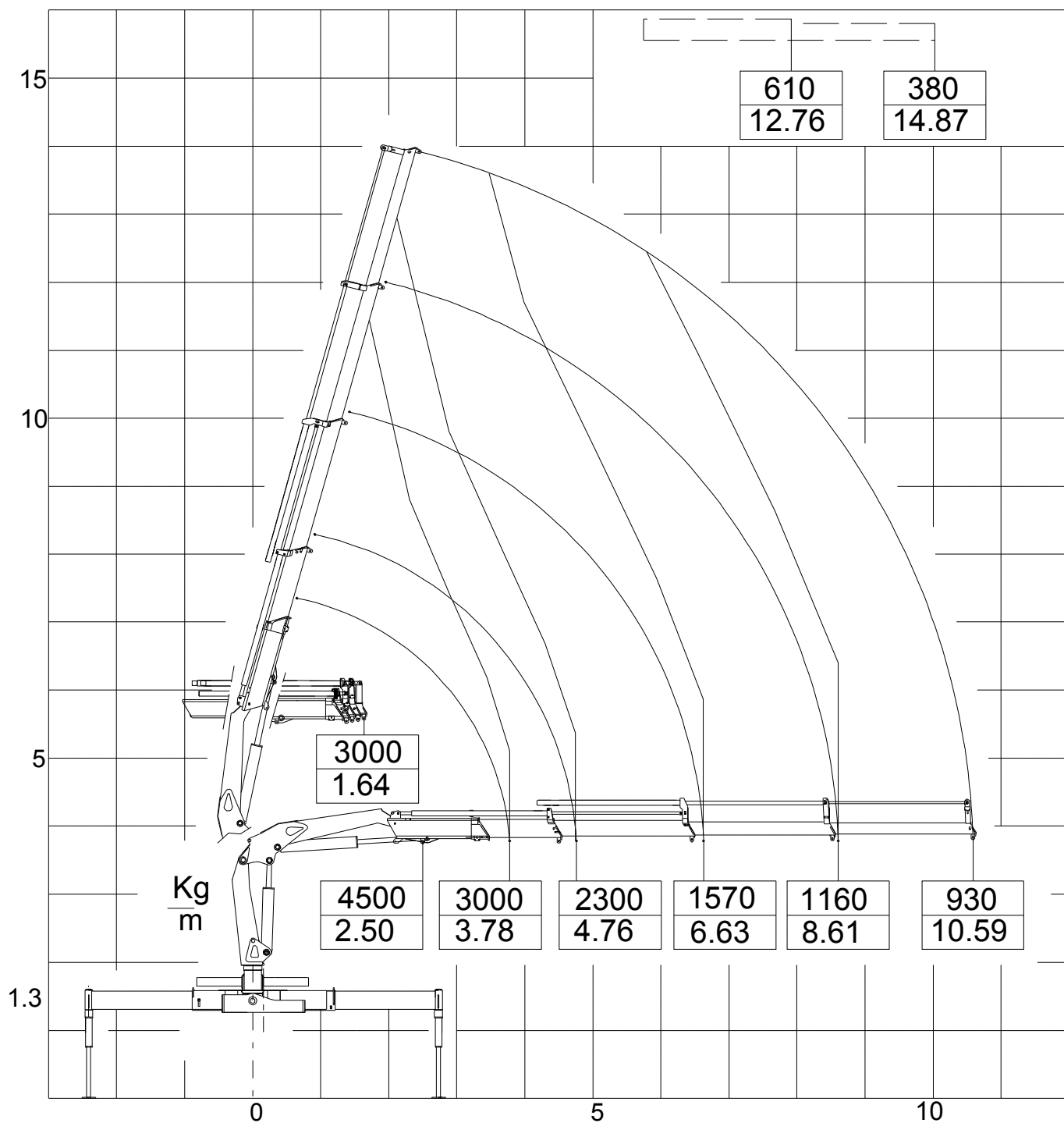
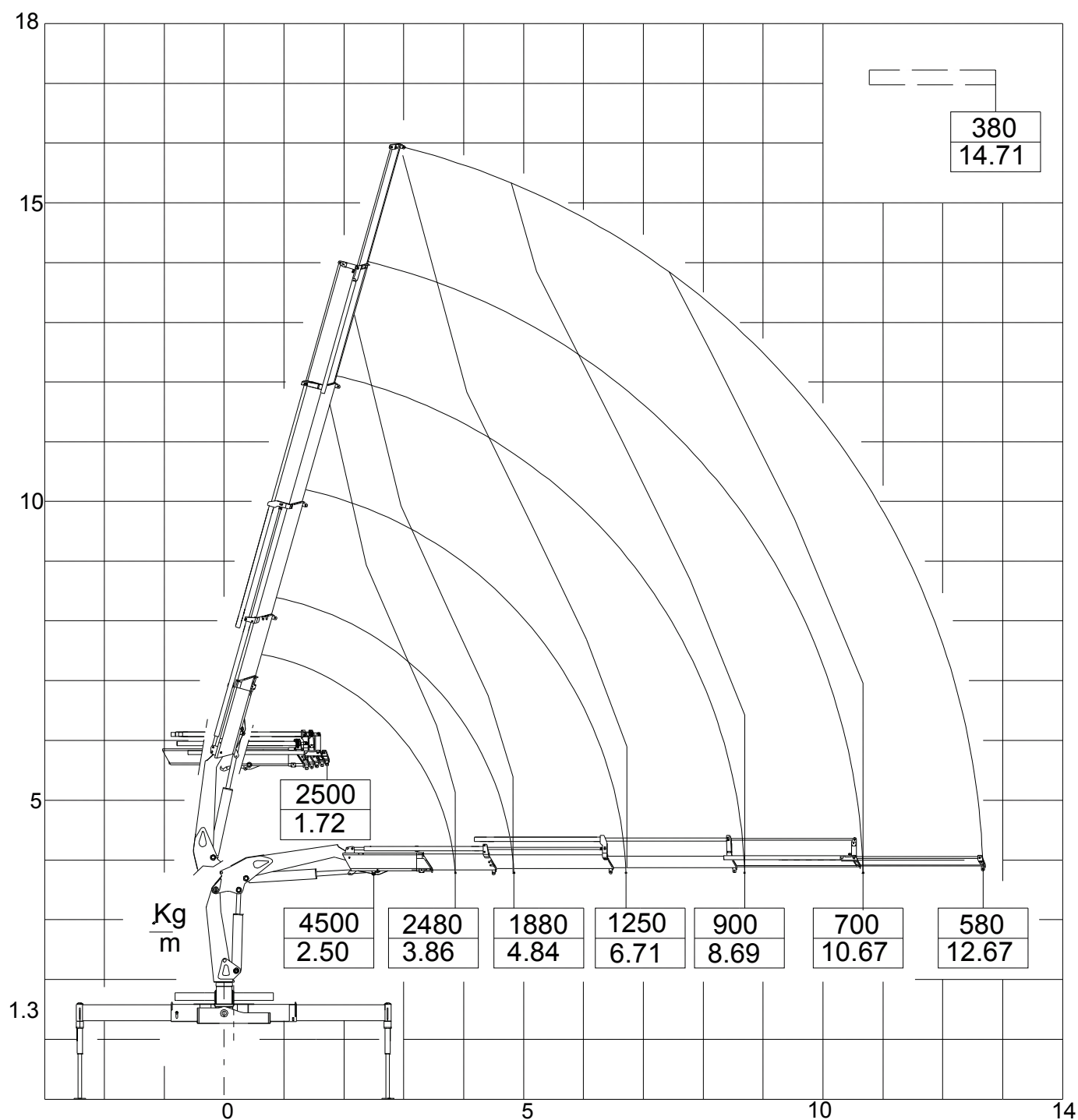
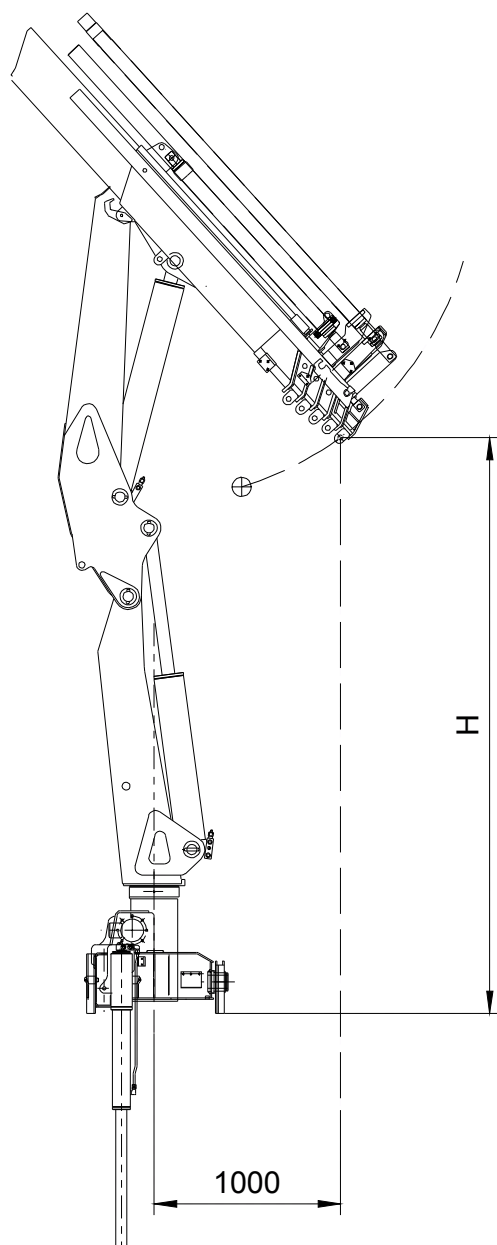


DIAGRAMMA PORTATE
LOAD DIAGRAM
814C 5S

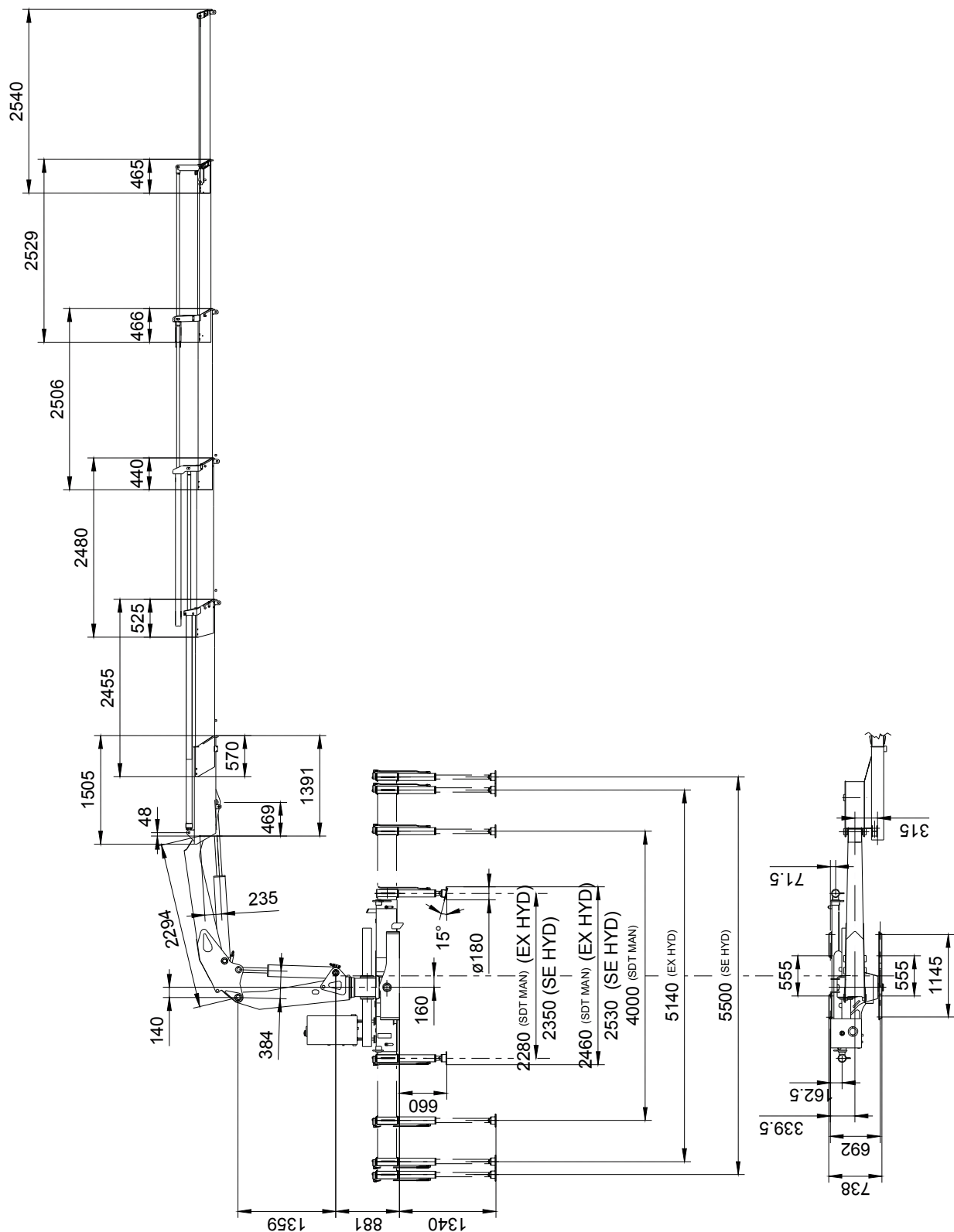


ALTEZZA ATTACCO GANCIO HOOK HEIGHT



	H
1S	3530 mm
2S	3410 mm
3S	3300 mm
4S	3200 mm
5S	3100 mm

DIMENSIONALE BASAMENTO- COLONNA - BRACCI BASE - COLUMN - BOOM - DIMENSIONS



DIMENSIONI PERNI E CILINDRI

PINS – CYLINDERS - DIMENSIONS

CILINDRO DI SOLLEVAMENTO LIFTING CYLINDER

Alesaggio - <i>Cylinder bore</i>	140
Diametro esterno - <i>Cyl. ext. diameter</i>	160
Diametro stelo - <i>Rod diameter</i>	80 - 0
Interasse aperto - <i>Pitch (open)</i>	1743
Interasse chiuso - <i>Pitch (closed)</i>	1023
Corsa - <i>Stroke</i>	720
Raccordi - <i>Fittings</i>	7/8" - 14
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>	140
Diametro esterno - <i>Cyl. ext. diameter</i>	160
Diametro stelo - <i>Rod diameter</i>	80 - 0
Interasse aperto - <i>Pitch (open)</i>	2199
Interasse chiuso - <i>Pitch (closed)</i>	1250
Corsa - <i>Stroke</i>	949
Raccordi - <i>Fittings</i>	7/8" - 14
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>	2209
Interasse chiuso - <i>Pitch (closed)</i>	1229
Corsa - <i>Stroke</i>	980
Raccordi - <i>Fittings</i>	7/8" - 14
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
Raccordi - <i>Fittings</i>	7/8" - 14
Ø perno fissaggio - <i>Fixing pin Ø</i>	25
Mat. perno/i - <i>Pin steel</i>	39NiCrMo3 QT

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
Raccordi - <i>Fittings</i>	7/8" - 14
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
Raccordi - <i>Fittings</i>	7/8" - 14
Ø perno fissaggio - <i>Fixing pin Ø</i>	25
Mat. perno/i - <i>Pin steel</i>	39NiCrMo3 QT

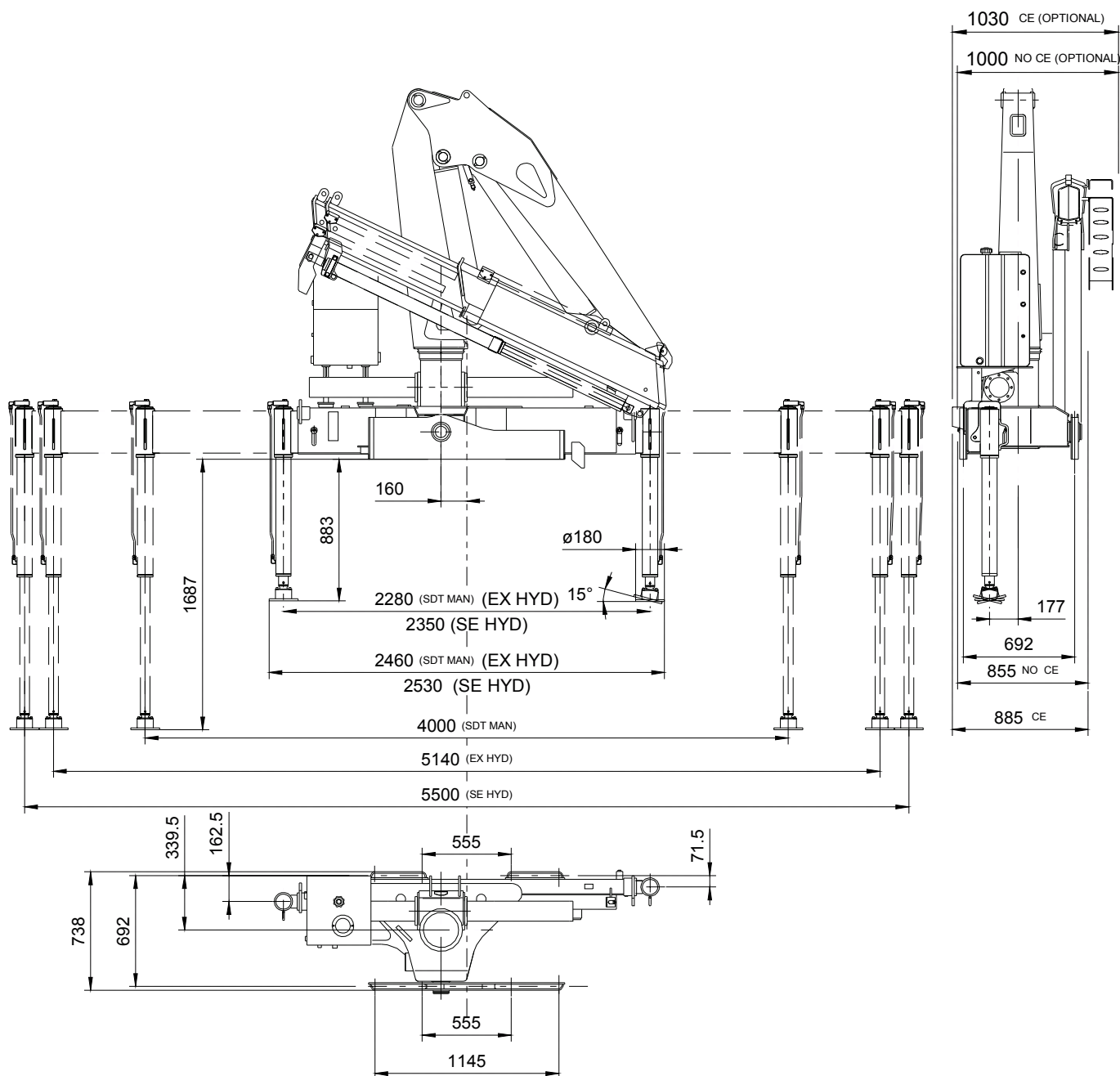
CILINDRO 5° SFILO 5TH EXTENSION CYL.

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>	110
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 QT

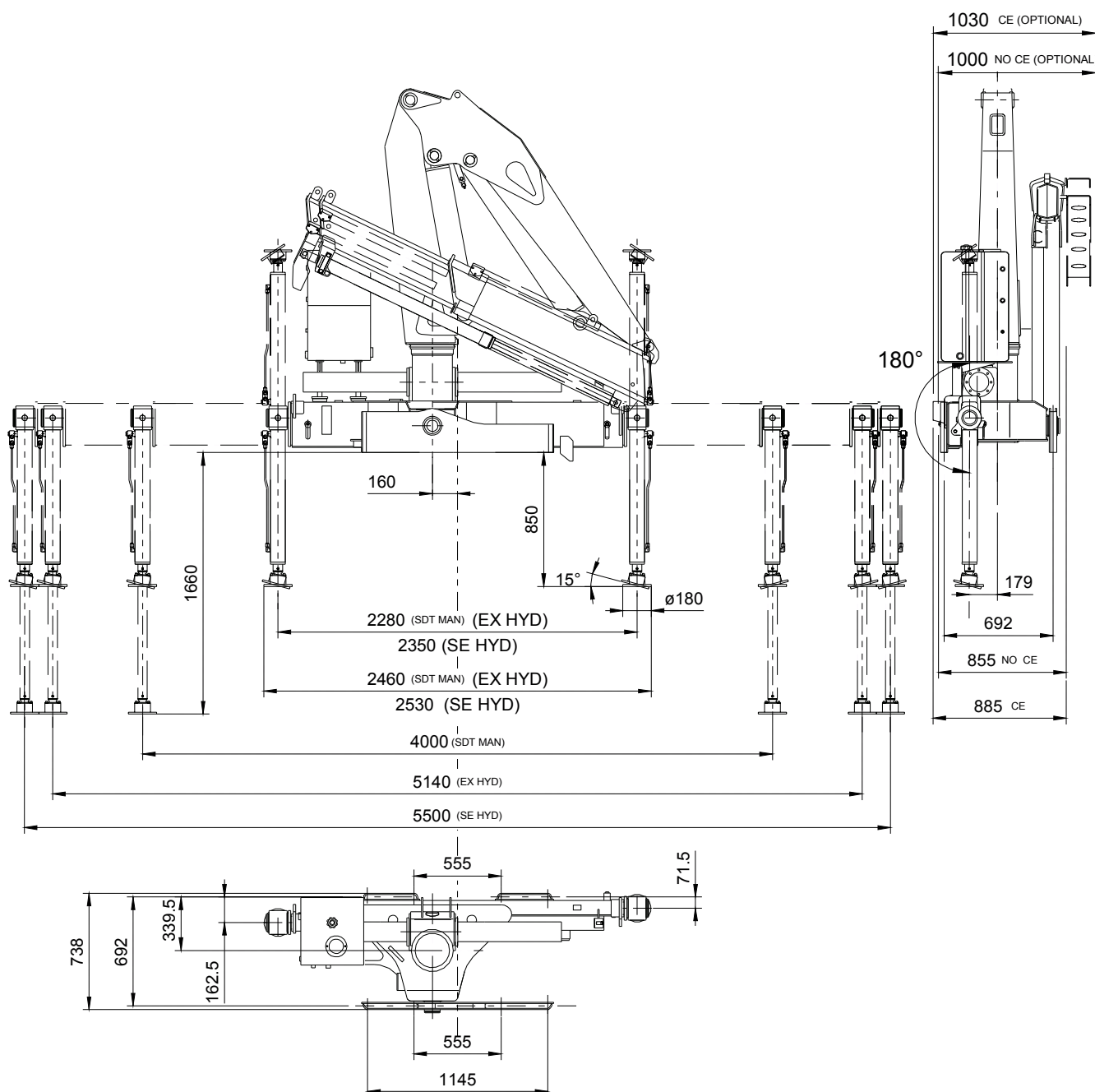
CILINDRO DI ROTAZIONE ROTATION CYLINDER

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
Raccordi - <i>Fittings</i>	-
Ø perni articolazione - <i>Artic. pin Ø</i>	-
Materiale perno/i - <i>Pin steel</i>	-

DIMENSIONI BASAMENTO CON STABILIZZATORI SCORREVOLI LUNGI
BASE DIMENSIONS WITH LONG STABILIZERS



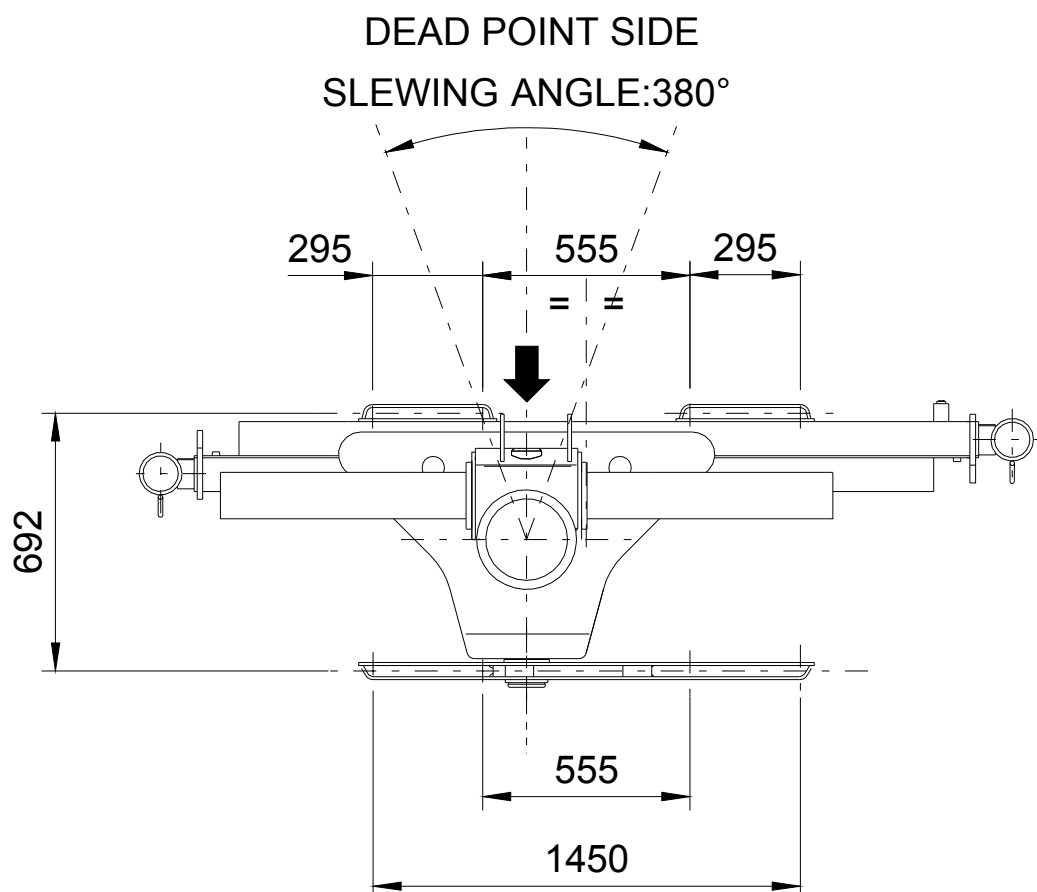
DIMENSIONI BASAMENTO CON CILINDRI STABILIZZATORI ROTANTI STD
BASE DIMENSIONS WITH TILTING STD CYLINDERS



TRAVERSA CON STABILIZZATORI GIREVOLI LUNGI
CROSSBAR WITH LONG TILTING CYLINDER

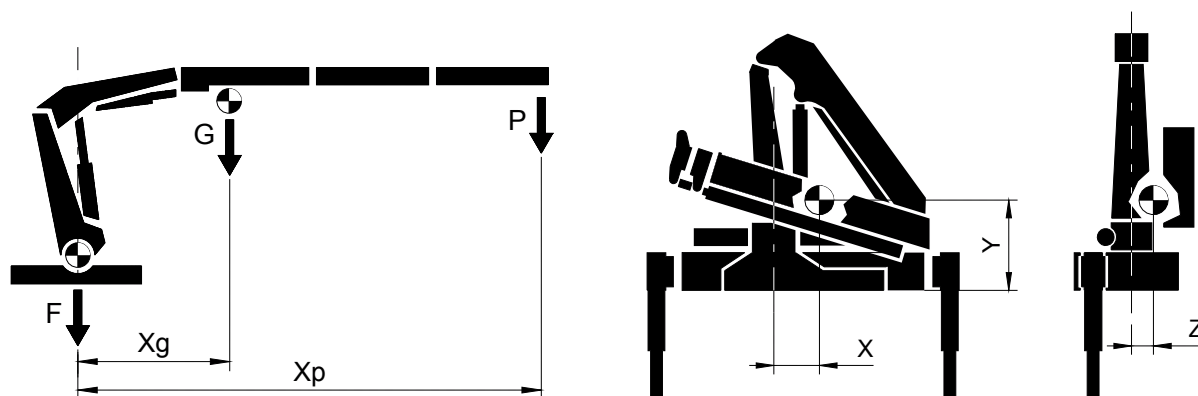
NON DISPONIBILE
NOT AVAILABLE

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°8 M14x35 8.8 UNI 5931 Coppia di serraggio (Tightening torque) 80 Nm

PESI – BARICENTRI
WEIGHTS – CENTER OF GRAVITY
814C

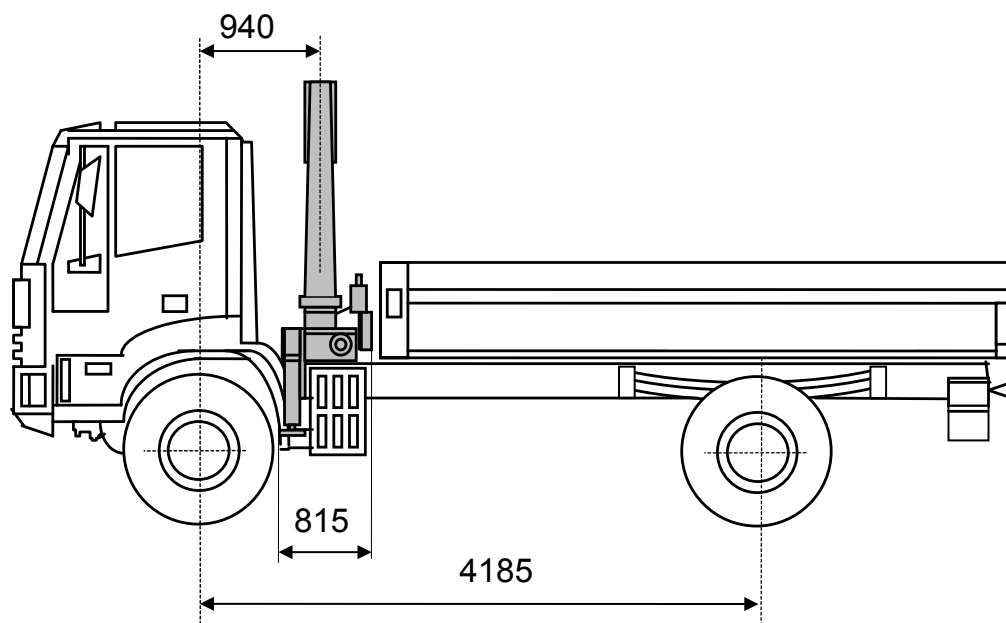


814C	F [kg]	G [kg]	Xg [m]	P [kg]	Xp [m]	TL [kg]	(X,Y,Z) mm
2S 	STD-M: 1085 EX-M: 1140 EX-H: 1185 SE-H.: 1195	660	2.72	2000	6.45	2500	(149; 768; 20)
3S 		780	3.43	1400	8.52	1750	(143; 783; 39)
4S 		880	4.12	930	10.59	1183	(135; 794; 53)
5S 		970	4.74	580	12.67	766	(127; 808; 64)

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) = 180 q

DATI AUTOCARRO A VUOTO

Asse anteriore

Tara asse anteriore = 3805 kg

Tara ammissibile asse anteriore = 7100 kg

Asse posteriore

Tara asse posteriore = 1960 kg

PESI ALLESTIMENTO

Peso cassone = 500 kg

Peso gru = 1960 kg (814C 3S EX)

Peso controtelaio = 140 kg

CHASSIS DATA

Front axle

Front axle tare weight = 3805 kg

Allowable front axle weight = 7100 kg

Rear axle

Rear axle tare weight = 1960 kg

OUTFIT WEIGHTS

Body weight = 500 kg

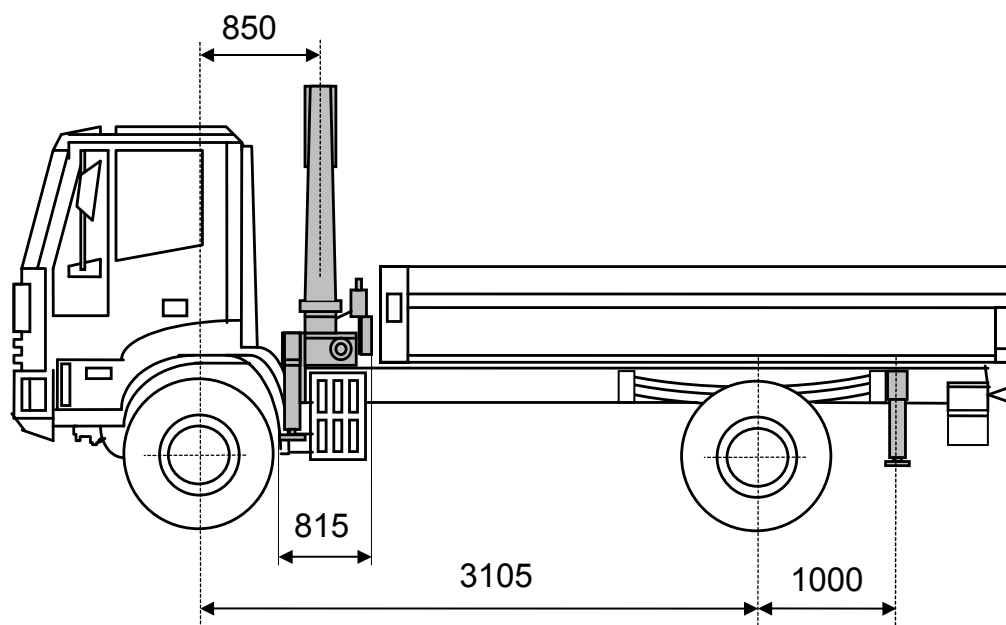
Crane weight = 1960 kg (814C 3S EX)

Counterframe weight = 140 kg

Coefficiente di stabilità = 1,39

Stability index = 1,39

AUTOCARRO MINIMO CON STABILIZZATORI SUPPLEMENTARI
MIN TRUCK WITH SUPPLEMENTARY STABILIZERS



PTT (GVW) = 130 q

DATI AUTOCARRO A VUOTO

Asse anteriore

Tara asse anteriore = 2870 kg

Tara ammissibile asse anteriore = 4800 kg

Asse posteriore

Tara asse posteriore = 1270 kg

CHASSIS DATA

Front axle

Front axle tare weight = 2870 kg

Allowable front axle weight = 4800 kg

Rear axle

Rear axle tare weight = 1270 kg

PESI ALLESTIMENTO

Massa cassone = 500 kg

Massa gru = 1960 kg (814C 3S EX)

Massa controtelaio = 300 kg

OUTFIT WEIGHTS

Body weight = 500 kg

Crane weight = 1960 kg (814C 3S EX)

Counterframe weight = 300 kg

Stabilizzatori supplementari

Apertura minima = 3000 mm

Peso stabilizzatori supplementari = 270 kg

Rear beam stabilizers

Min. width = 3000 mm

Rear stabilizer weight = 270 kg

Coefficiente di stabilità = 1,59

Stability index = 1,59

CONTROTELAIO MINIMO MIN COUNTERFRAME

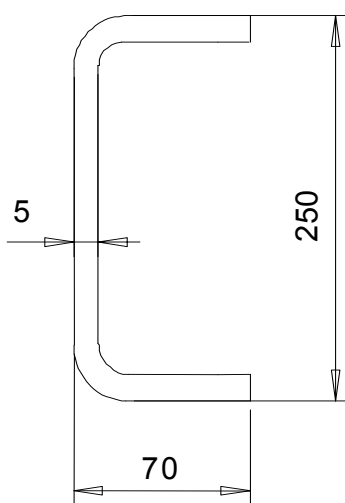
Momento dinamico max (daNm)

Max dynamic moment

18110

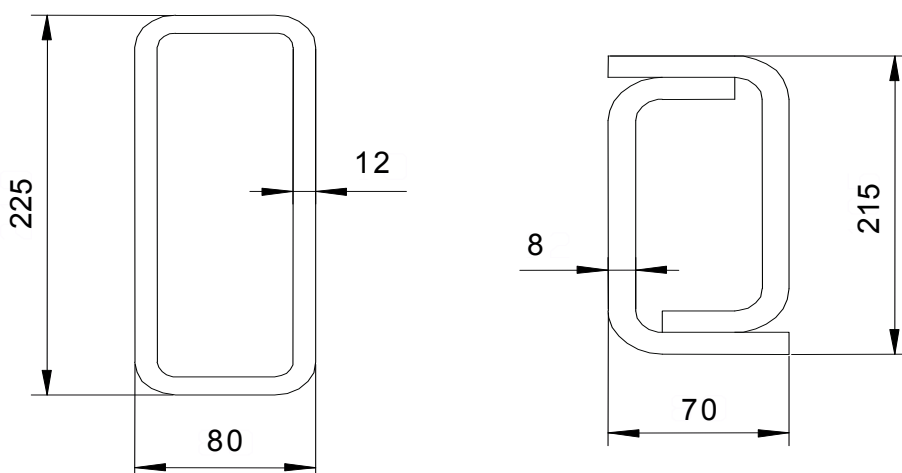
Sezione telaio minima (autocarro PTT=130 q) (materiale Fe510 - S355)

Min frame section (truck GVW 13 ton) (steel S355)



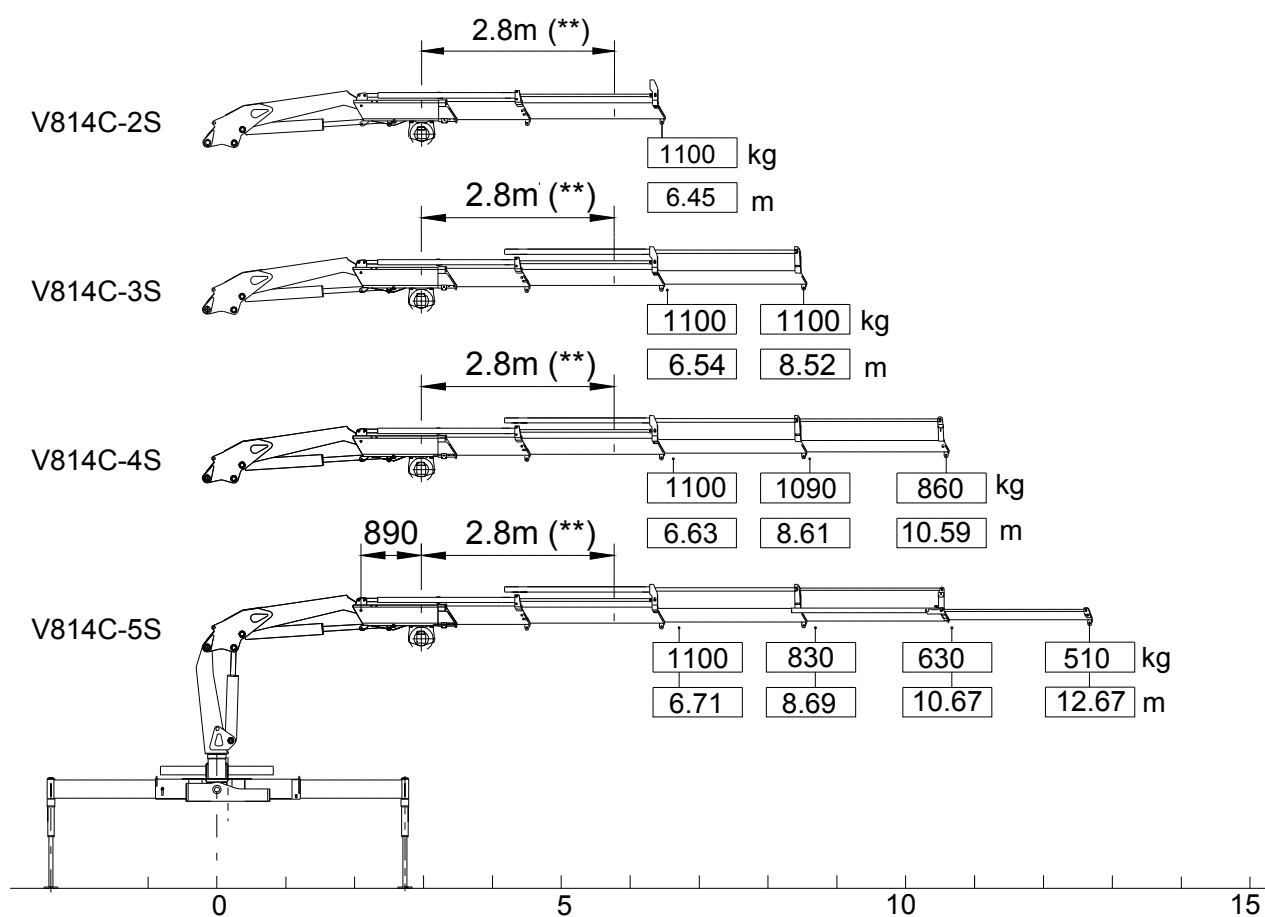
Sezione minima controtelaio (materiale Fe510 - S355)

Min counterframe section (steel S355)



CARATTERISTICHE VERRICELLO IDRAULICO HYDRAULIC WINCH DATA

Max tiro diretto (kg) Max winch direct pull (kg)	1100 kg
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(**) = 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	420 kg
Pressione max. di esercizio Max working pressure	200 bar

