

**BOLLETTINO TECNICO
122 DEL 25/07/2006**

**OGGETTO:
GRU PM SERIE 35S - 40SP PT**

Il presente bollettino ha lo scopo di portare a conoscenza della rete commerciale ed assistenziale tutte quelle notizie tecnico/commerciali riguardanti la nuova serie di macchine citate in oggetto.

Riteniamo che ciò possa garantire una sufficiente conoscenza preliminare sulle varie problematiche legate all'installazione della macchina sull'autocarro.

Per facilitare la consultazione abbiamo suddiviso il presente bollettino nei seguenti paragrafi:

Par.0 Premessa	R.00	(da pag.1/1 a pag.1/1)
Par.1 Installazione	R.00	(da pag.1/16 a pag.16/16)
Par.2 Impianto idraulico ...	R.00	(da pag.1/14 a pag.14/14)
Par.3 Impianto elettrico	R.00	(da pag.1/8 a pag.8/8)
Par.4 Diagrammi portate ...	R.00	(da pag.1/62 a pag.62/62)
Par.5 Notizie Tecniche	R.00	(da pag.1/2 a pag.2/2)
Par.6 Accessori	R.00	(da pag.1/5 a pag.5/5)

R.00 = Stato di revisione del paragrafo

NB: I dati riportati in questa pubblicazione sono a titolo indicativo. L'Autogru PM si riserva di apportare in qualunque momento modifiche ai modelli descritti, sia per ragioni di natura tecnica che commerciale, inoltre non si assume responsabilità circa eventuali errori nella pubblicazione.

- Tolleranze sulle dimensioni e sui pesi $\pm 5\%$.

Par. 0
R. 00

**TECHNICAL INFORMATION
122 OF 25/07/2006**

**SUBJECT:
PM SERIE 35S - 40SP PT**

This service information sheet wants to inform our commercial/service network about all technical/commercial details concerning our new above mentioned crane.

We think this information can supply sufficient preliminary knowledge on various problems that can be linked to crane installation on truck.

For consultation ease purpose , we have subdivided this service information into following paragraphs:

Par.0 Foreword	R.00	(page 1/1 to page 1/1)
Par.1 Installation	R.00 .	(page 1/16 to page 16/16)
Par.2 Hydraulic circuits .	R.00 .	(page 1/14 to page 14/14)
Par.3 Eletrical circuits ...	R.00	(page 1/8 to page 8/8)
Par.4 Load charts	R.00 .	(page 1/62 to page 62/62)
Par.5 Technicals news ..	R.00	(page 1/2 to page 2/2)
Par.6 Accessories	R.00	(page 1/5 to page 5/5)

R.00 = Paragraph revision number

NOTE: technical details here mentioned are indicatives. All details can be modified by AUTOGRU PM SPA for technical or commercial reasons. AUTOGRU PM SPA does not takes liability for any mistake here published.

- $\pm 5\%$ Tolerance on dimensions and weights.

1. INSTALLAZIONE.

1.1 SENSO DI MONTAGGIO.

In versione standard la gru deve essere installata con gli stabilizzatori verso il cassone (il pacco bracci, quando la gru è in posizione di riposo deve essere dalla parte della cabina).

Fig.1-1

1. INSTALLATION

1.1 MOUNTING WAY

In standard version the crane shall be installed with outriggers placed towards the truck body (the booms must be by truck cabin side when the crane is in folded position). Fig.1-1

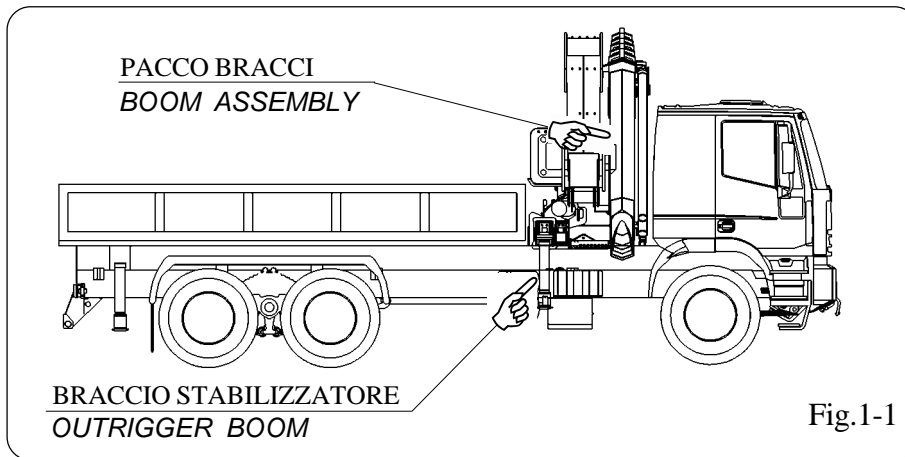


Fig.1-1

1.2 PUNTO MORTO

Con la gru installata come descritto dal punto 1.1 il punto morto viene a trovarsi sopra la cabina di guida. Fig.1-2

1.2 DEAD POINT

With crane installed as described in point 1.1, dead point (center) gets placed upon the truck cabin. Fig.1-2

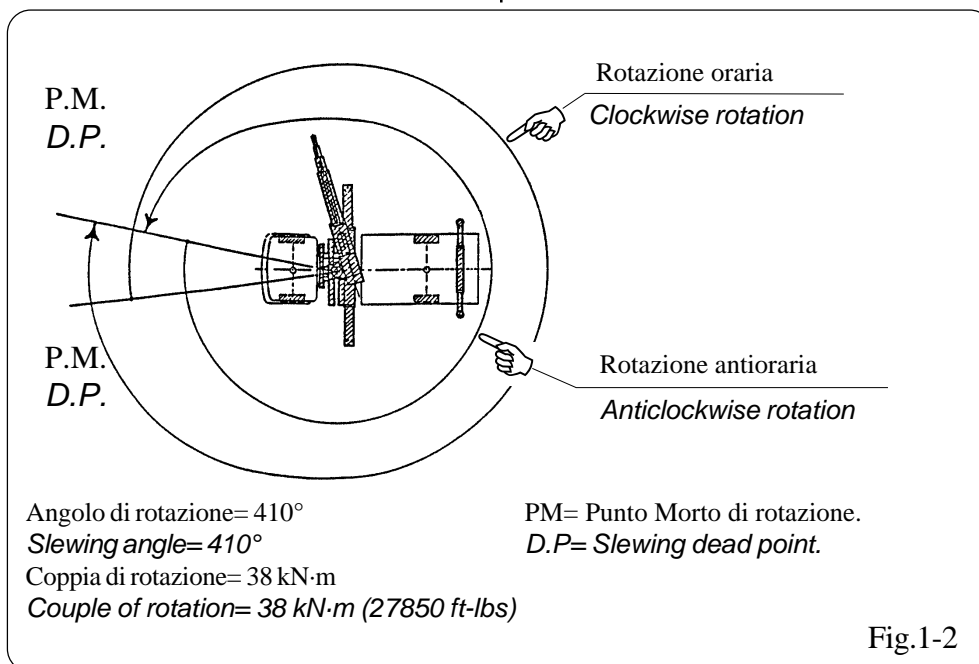


Fig.1-2

1.3 PESI PM 35S - 40SP PT (Kg)

1.3 WEIGHTS PM 35S - 40SP PT (kg-lbs)

VERSIONE => VERSION =>		_22 _22LC	_23 _23LC	_24 _24LC	_25 _25LC	_26 _26LC	_27 _27LC		
GRU STANDARD * STD CRANE *	kg lbs	3570 7870	3820 8425	4040 8910	4250 9370	4430 9770	4600 10145		
GRULC* LC CRANE*	kg lbs	3720 8205	3970 8750	4190 9240	4400 9700	4580 10100	4750 10475		
GRU P.L.U.S.* P.L.U.S. CRANE*	kg lbs	3590 7915	3840 8465	4060 8950	4270 9415	4450 9810	4620 10185		
GRULC P.L.U.S.* P.L.U.S. LC CRANE*	kg lbs	3740 8245	3970 8750	4210 9280	4420 9745	4600 10140	4770 10151		
ANCORAGGIO ANCHORAGE	kg lbs	75 160	75 160	75 160	75 160	75 160	75 160		
RIFORMIMENTO OLIO SERBATOIO OIL TANK REFUELLING	kg lbs	150 330	150 330	150 330	150 330	150 330	150 330		
1a PROLUNGA MANUALE 1st MANUAL EXTENSION	kg lbs	130 288	125 275	75 165	65 145	55 120	40 88		
2a PROLUNGA MANUALE 2nd MANUAL EXTENSION	kg lbs	125 275	75 165	65 145	55 120	40 88	35 80		
3a PROLUNGA MANUALE 3rd MANUAL EXTENSION	kg lbs	/	/	55 120	40 88	35 80	/		
4a PROLUNGA MANUALE 4th MANUAL EXTENSION	kg lbs	/	/	40 88	35 80	/	/		
MARTINETTI STABILIZZATORI OUTRIGGER JACK	kg lbs	100 220	100 220	100 220	100 220	100 220	100 220		
AUMENTO DI PESO PER STAB. EXTRALARGHI WEIGHT INCREASE DUE TO XL OUTRIGGER BOOM	kg lbs	100 220	100 220	100 220	100 220	100 220	100 220		
KIT ATTACCO ROTANTE PER MART. STAB. TILTING DEVICE FOR OUTRIGGERS	kg lbs	40 88	40 88	40 88	40 88	40 88	40 88		
STABIL. SUPPLEM. SFILABILI 10.50T - SI 5.0 EXTENSIBLE SUPPL. OUTRIGGER 10.50T - SI 5.0	kg lbs	430 948	430 948	430 948	430 948	430 948	430 948		
1a ATTIVAZIONE GRU 1st ACTIVATION CRANE	kg lbs	120 260	120 260	120 260	120 260	120 260	120 260		
1a + 2a ATTIVAZIONE GRU 1st + 2nd ACTIVATION CRANE	kg lbs	160 350	160 350	160 350	160 350	160 350	160 350		
POSTO IN ALTO TOP SEAT	kg lbs	125 275	125 275	125 275	125 275	125 275	125 275		
VERRICELLO TC2 COMPLETO DI FUNE (60m) TC2 WINCH COMPLETE WITH CABLE (132' ft)	kg lbs	145 320	145 320	145 320	145 320	145 320	145 320		
BOZZELLO (1 TIRO) PULLEY (TWO PULL LINE)	kg lbs	85 190	85 190	85 190	85 190	85 190	85 190		
BOZZELLO (2 TIRI) CON ANTENNA PULLEY(ONE PULL LINE) WITH ANTENNE	kg lbs	85 190	85 190	85 190	85 190	85 190	85 190		

* BRACCI STABILIZZ. STANDARD - SENZA OLIO NEL SERBATOIO.

* STANDARD OUTRIGGER BOOMS - WITHOUT OIL IN THE TANK.

VERSIONE =>		<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>		
VERSION =>		<u>22LC</u>	<u>23LC</u>	<u>24LC</u>	<u>25LC</u>	<u>26LC</u>	<u>27LC</u>		
ANTENNA J 903	kg	/	670	670	670	/	/		
<i>JIB J 903 JIB</i>	<i>lbs</i>	/	1477	1477	1477	/	/		
ANTENNA J 904	kg	/	/	750	750	/	/		
<i>JIB J 904 JIB</i>	<i>lbs</i>	/	/	1653	1653	/	/		
ANTENNA J 702	kg	/	/	/	/	505	/		
<i>JIB J 702</i>	<i>lbs</i>	/	/	/	/	1113	/		
ANTENNA J 703	kg	/	/	/	/	576	/		
<i>JIB J 703</i>	<i>lbs</i>	/	/	/	/	1270	/		

1.4 DIMENSIONI GRU SERIE 35S - 40SP PT

1.4 DIMENSIONS CRANE SERIE 35S - 40SP PT

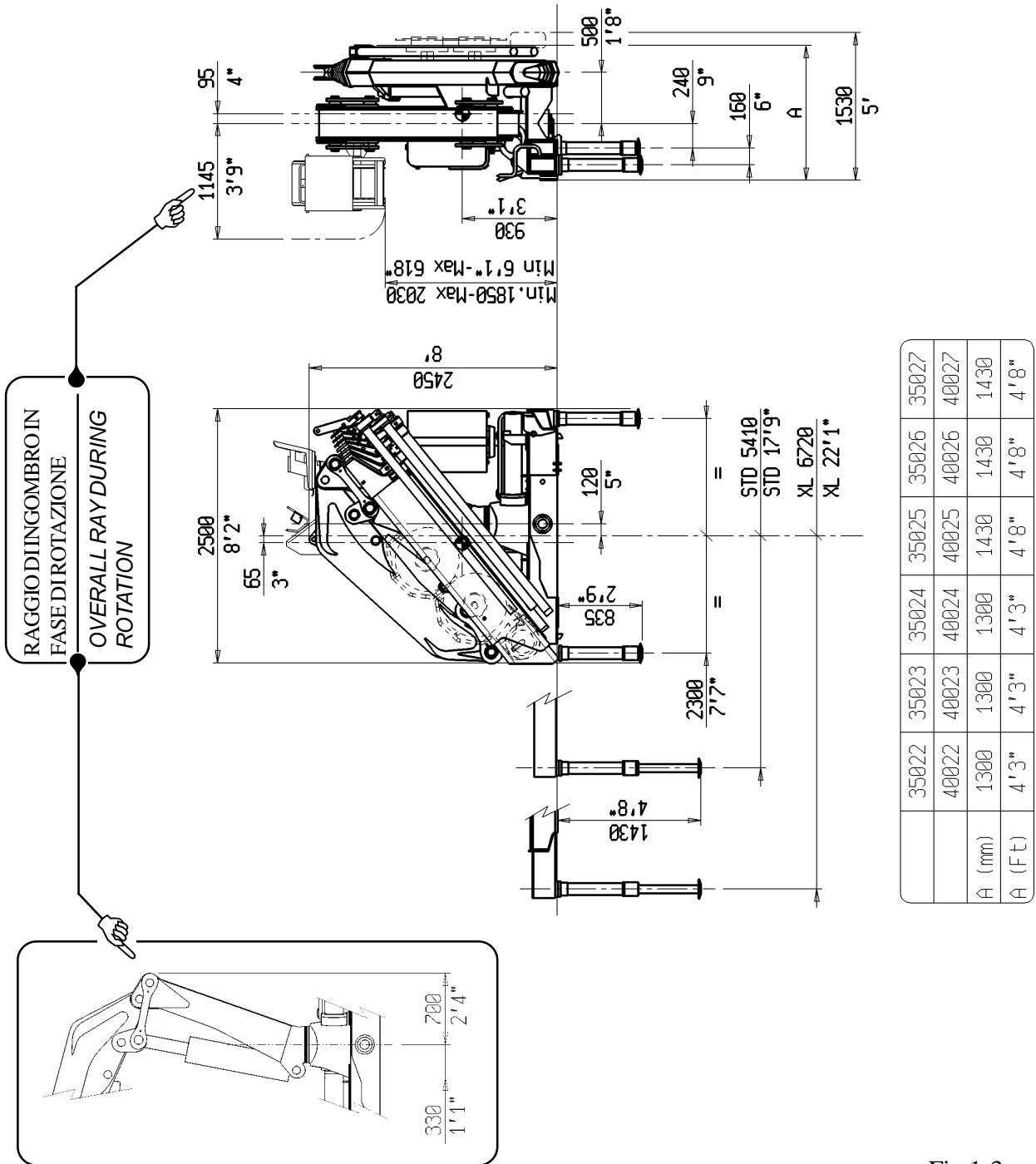


Fig.1-3

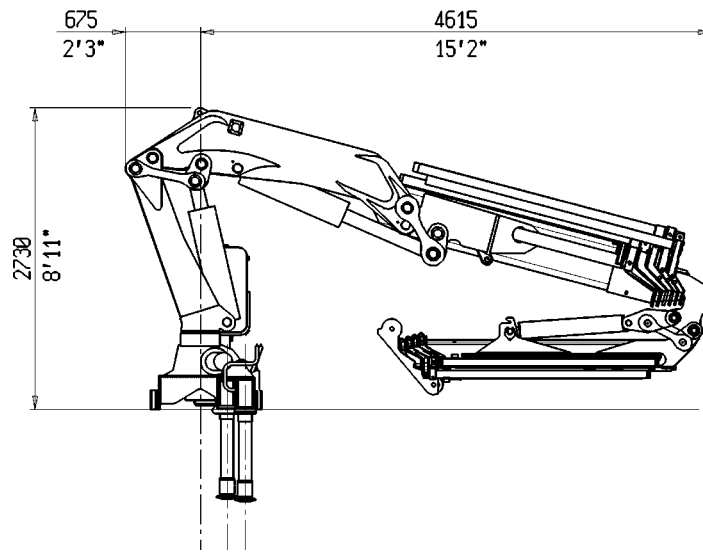
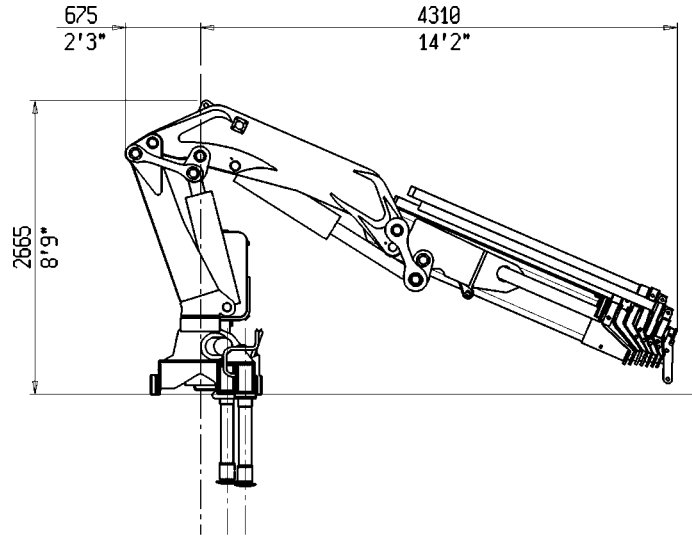
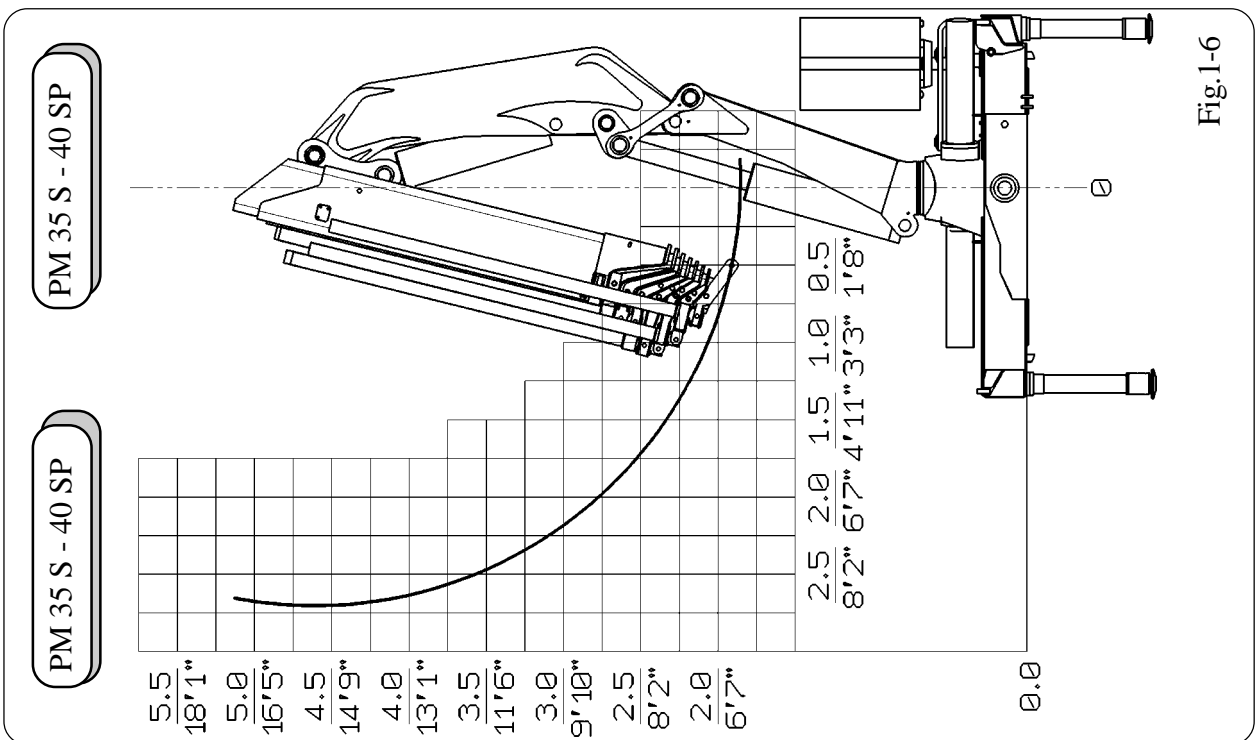
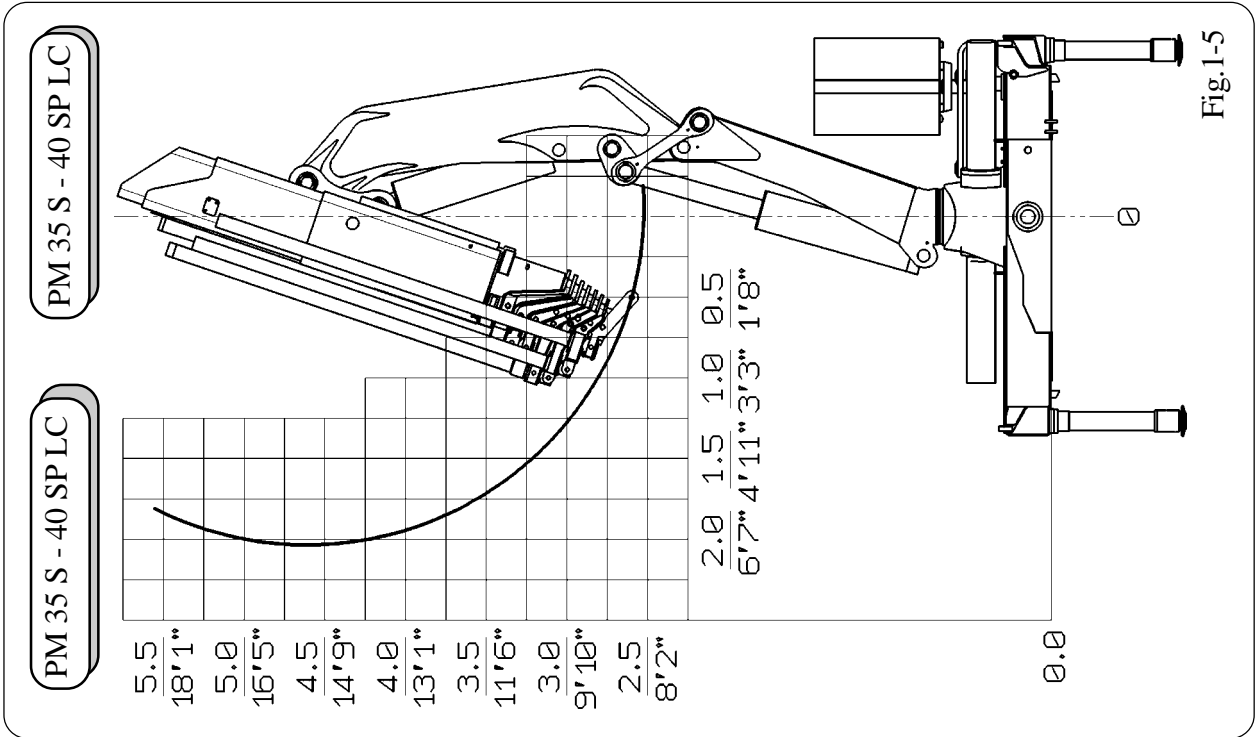


Fig.1-4

**1.5 TRAIETTORIE DI SOLLEVAMENTO
DEL CARICO SOTTO COLONNA**

**1.5 LIFTING TRAJECTORIES UNDER
COLUMN**



1.6 MODALITA' DI INSTALLAZIONE

Le seguenti modalità di installazione sono un piccolo riassunto di quanto indicato per esteso sul nostro manuale di installazione, per cui ogni dubbio o chiarimento o per ulteriori dettagli vogliate consultarlo.

In ogni caso l'installazione deve essere eseguita in conformità alle prescrizioni impartite dalla casa costruttrice del veicolo e degli organi competenti di ciascun Paese.

1.6.1 GRU MONTATA DIETRO OGNI CABINA DI GUIDA

La gru deve essere piazzata sull'autotelaio con l'interposizione di un controtelaio di sezione costante per una lunghezza non inferiore a due volte la larghezza della base di appoggio della gru sul controtelaio.

Il controtelaio deve essere interposto partendo da più possibile sotto la cabina.

La sezione del controtelaio deve essere gradualmente ridotta per una lunghezza non inferiore a 1.5 volte l'altezza massima della sezione del controtelaio stesso oppure, deve essere raccordata e solidale con il controtelaio proprio della carrozzeria o di altra sovrastruttura.

Vale la riduzione graduale sopraddetta anche per l'estremità anteriore del controtelaio.

Nel caso di impiego degli stabilizzatori supplementari la lunghezza del controtelaio deve essere prolungata agli stabilizzatori supplementari che debbono essere collegati con esso.

Occorre inoltre che gli stabilizzatori supplementari siano scelti e montati rispettando l'interasse minimo indicato nel successivo paragrafo.

1.6.2 GRU INSTALLATA SULLO SBALZO POSTERIORE DEL VEICOLO

Il controtelaio deve essere continuo fino alla zona retro cabina e deve avere sezione costante per tutta la sua lunghezza. L'estremità anteriore del controtelaio deve essere rastremata per una lunghezza non inferiore a 1.5 volte l'altezza dei longheroni del controtelaio.

1.6 DIFFERENT TYPES OF CRANE'S INSTALLATION

The following instructions are a small summary of what indicated and explained in the operator's manual, therefore should you have any doubt or need explanation, will you please consult the manual. At any rate, the crane installation should be effected in accordance with the regulations of the vehicle 's manufacturer and with the competent Institutions of any Country.

1.6.1 CRANE MOUNTED BEHIND TRUCK CABIN

The crane must be placed on the truck chassis with the interposition of a subframe with constant section and for a length not lower than two times the width of the supporting base of the crane on the subframe.

Subframe must be interposed starting as much as possible under cabin.

Section of subframe shall be gradually reduced for a length not lower than 1,5 times the maximum height of subframe section, or it must be connected and integral with proper subframe of bodywork or other superstructure.

The gradual reduction above mentioned is valid also for front end of subframe.

Using supplementary outriggers the length of subframe must be extended to the supplementary outriggers that must be connected with it.

Therefore supplementary outriggers must be chosen and mounted following the minimum distance indicated in following paragraph.

1.6.2 CRANE INSTALLED ON REAR OVERHANG OF TRUCK

Subframe shall be continuous up to the area behind cabin and must have constant section along its whole length.

The front end of subframe must be tapered for a length not lower than 1,5 times the subframe member height.

1.6.3 MOMENTO MASSIMO DINAMICO GRU

PM 35S => 440 KNm
PM 40SP => 440 KNm

1.6.4 FORZA MASSIMA ESERCITATA SUL TERRENO DAGLI STABILIZZATORI

PM 35S-40SP => Stab.STD 15000daN
 => Stab.XL 13000daN

1.6.3 MAXIMUM DYNAMIC MOMENT OF THE CRANE

PM 35S => 440 KNm
 (32453 ft lbs)
PM 40SP => 440 KNm
 (32453 ft lbs)

1.6.4 MAXIMUM FORCE EXERTED ON GROUND BY EACH OUTRIGGER

PM 35S-40SP => Outr.STD 15000daN (33080 ft lbs)
 => Outr.XL 13000daN (28670 ft lbs)

1.7 ANCORAGGIO (Fig. 1-7)

L'ancoraggio deve essere eseguito con l'ausilio dei tiranti, delle staffe e dei dadi che forniamo in dotazione con la macchina.

1.7.1 DATI TECNICI ANCORAGGIO DI NOSTRA FORNITURA

- Nr. 8 tiranti con filettatura M30x2 lunghezza: 1100mm (interamente filettati) materiale: 39 NiCrMo3 bonificato -Pos.5
- Nr. 8 staffe superiori - spessore 20mm, materiale: C40-Pos.6
- Nr. 4 staffe inferiori - spessore 50mm, materiale: S355J0-Pos.4
- Nr. 16 rondelle 31x58 sp5 -Pos.3
- Nr. 16 dadi alti M30 x 2 -Pos.2
- Nr. 16 dadi bassi M30 x 2 -Pos.1

COPPIA DI SERRAGGIO DEI TIRANTI DI ANCORAGGIO: 110 ± 10 daNm

1.7 ANCHORAGE (fig. 1-7)

Anchorage should be done using tierods, brackets and nuts that are sent to you together with the crane.

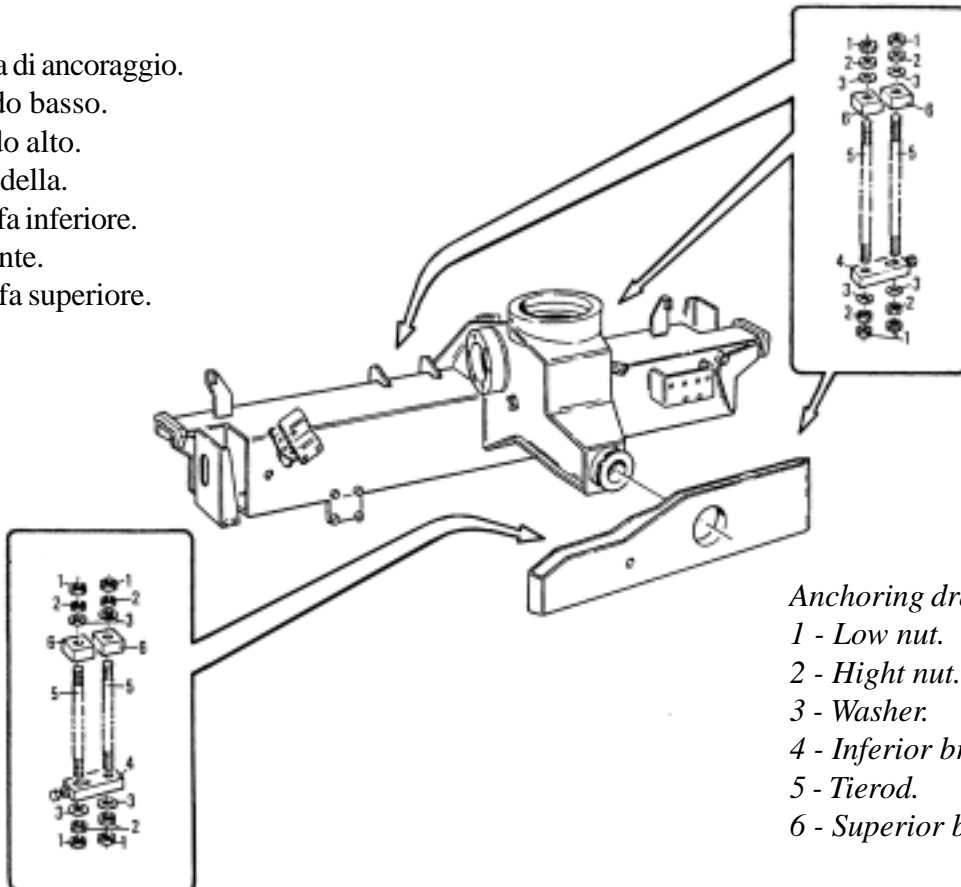
1.7.1 TECHNICAL DATA ABOUT ANCHORAGE SUPPLIED

- Nr. 8 tierods with thread M30 x 2 length 1100 mm (completely threaded) material: 39 NiCrMo3 hardened and tempered -Pos. 5
- Nr. 8 upper brackets - 20 mm thickness, material C40 - Pos. 6
- Nr. 4 lower brackets - 50 mm thickness, material S355J0 -Pos. 4
- Nr. 16 washer 31x58 sp5 - Pos. 3
- Nr. 16 high nuts M30 x 2 -Pos. 2
- Nr. 16 low nuts M30 x 2 -Pos. 1

**SETTING TORQUE OF ANCHORAGE TIERODS : 110 ± 10 daNm
(790 ± 50 ft lbs)**

Schema di ancoraggio.

- 1 - Dado basso.
- 2 - Dado alto.
- 3 - Rondella.
- 4 - Staffa inferiore.
- 5 - Tirante.
- 6 - Staffa superiore.



- Anchoring drawing.
- 1 - Low nut.
 - 2 - High nut.
 - 3 - Washer.
 - 4 - Inferior bracket.
 - 5 - Tierod.
 - 6 - Superior bracket.

Fig.1-7

1.7.2 DIMENSIONI DI ANCORAGGIO (fig.1-8)

1.7.2 MOUNTING DIMENSIONS (fig. 1-8)

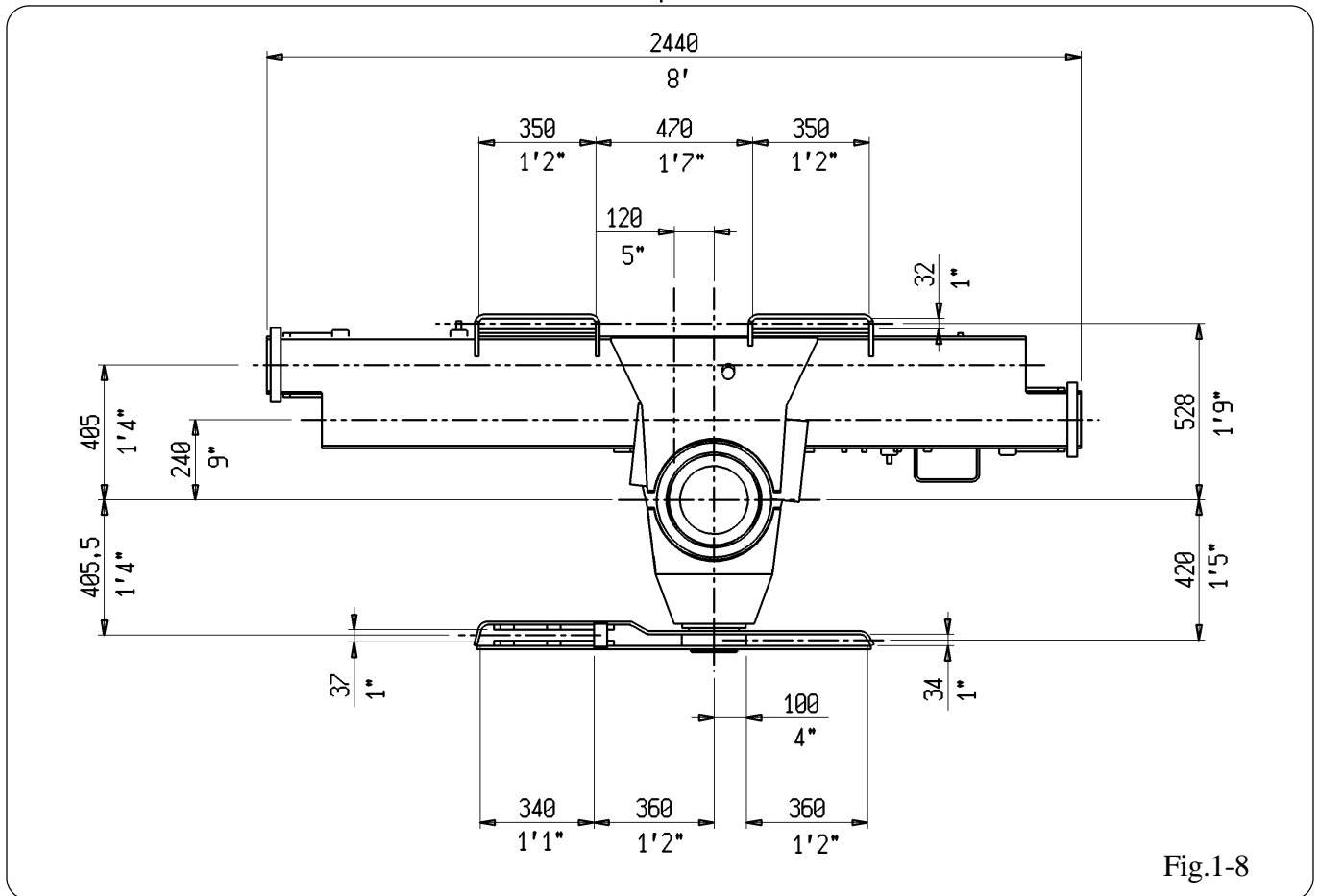


Fig.1-8

1.8 TABELLA BARICENTRI

1.8 CENTER OF GRAVITY TABLE

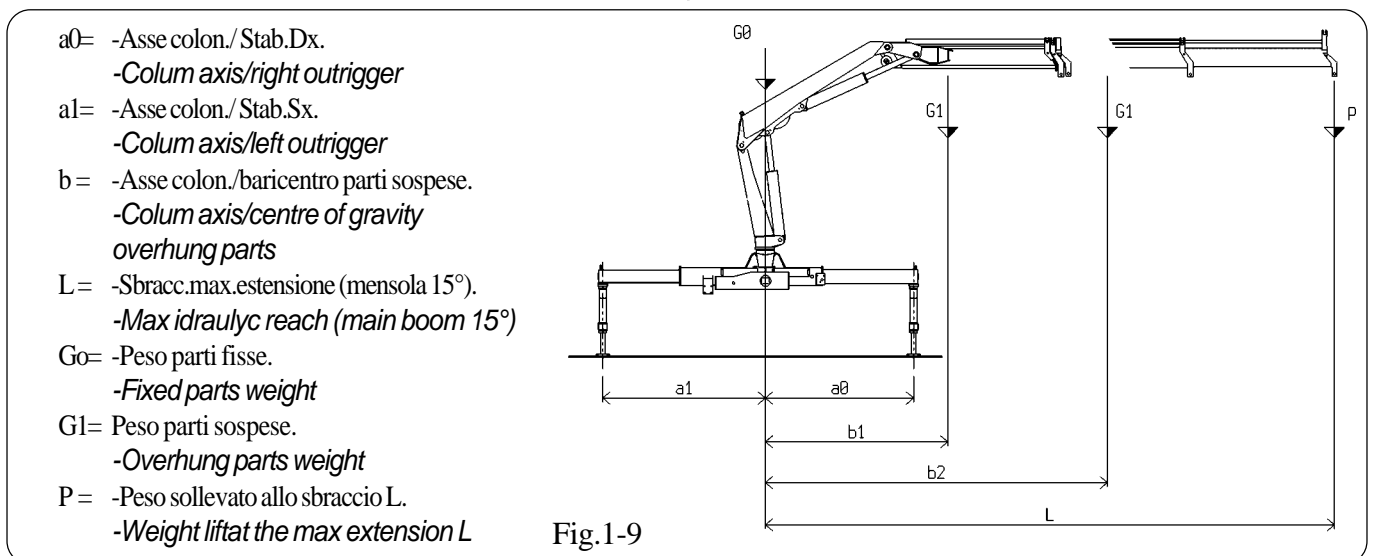


Fig.1-9

Gru	Br.Stab	a0 (LE2) mm	a1 (LE1) mm	b1 (CR) mm	b2 (WA2) mm	L (CL) mm	G0 (WC) kg	G1 (WA) kg	P (CL2) Kg
PM 35022 S STD	Standard	2585	2825	1990	2820	8250	2315	1480	3900
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35022 S + PROL.	Standard	2585	2825	1990	3830	12450	2315	1735	2260
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35023 S STD	Standard	2585	2825	2105	3585	10300	2315	1730	2960
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35023 S + PROL.	Standard	2585	2825	2105	4800	14250	2315	1930	1700
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35024 S STD	Standard	2585	2825	2185	4320	12450	2315	1950	2315
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35024 S + PROL.	Standard	2585	2825	2185	6450	19900	2315	2200	810
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35025 S STD	Standard	2585	2825	2250	5020	14850	2315	2160	1675
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35025 S + PROL.	Standard	2585	2825	2250	6550	22150	2315	3355	640
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35026 S STD	Standard	2585	2825	2300	5700	16950	2315	2340	1290
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35026 S + PROL.	Standard	2585	2825	2300	6650	22500	2315	2470	630
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35027 S STD	Standard	2585	2825	2335	6200	19100	2315	2510	1035
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35027 S + PROL.	Standard	2585	2825	2335	6850	22800	2315	2585	620
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35022 S LC	Standard	2585	2825	1990	2870	8250	2315	1630	3900
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35022 S LC + PROL.	Standard	2585	2825	1990	3930	12450	2315	1885	2260
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35023 S LC	Standard	2585	2825	2105	3665	10300	2315	1860	2960
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35023 S LC + PROL.	Standard	2585	2825	2105	4820	14250	2315	2060	1700
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35024 S LC	Standard	2585	2825	2185	4440	12450	2315	2080	2315
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35024 S LC + PROL.	Standard	2585	2825	2185	6590	19900	2315	2370	810
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35025 S LC	Standard	2585	2825	2250	5170	14850	2315	2310	1675
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35025 S LC + PROL.	Standard	2585	2825	2250	6750	22150	2315	2505	640
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35026 S LC	Standard	2585	2825	2300	5860	16950	2315	2490	1290
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35026 S LC + PROL.	Standard	2585	2825	2300	6850	22500	2315	2620	630
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35027 S LC	Standard	2585	2825	2335	6380	19100	2315	2660	1035
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35027 S LC + PROL.	Standard	2585	2825	2335	7060	22800	2315	2735	620
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35023 S +J903	Standard	2585	2825	3030	6240	18300	2315	2061	1040
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35024 S +J903	Standard	2585	2825	3025	7160	20500	2315	2190	780
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35024 S +J904	Standard	2585	2825	3090	7460	22300	2315	2255	625
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35025 S +J903	Standard	2585	2825	3025	8070	22600	2315	2355	515
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35025 S +J904	Standard	2585	2825	3085	8380	24500	2315	2423	415
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35026 S +J702	Standard	2585	2825	2805	7945	22750	2315	2845	515
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		
PM 35026 S +J703	Standard	2585	2825	2970	9245	24500	2315	2915	415
	Large	/	/				/		
	ExtraLarge	3240	3480				2415		

Gru	Br.Stab	a0 (LE2) ft	a1 (LE1) ft	b1 (CR) ft	b2 (WA2) ft	L (CL) ft	G0 (WC) lbs	G1 (WA) lbs	P (CL2) lbs
PM 35022 S STD	Standard	8' 6"	9' 3"	6' 6"	9' 3"	27' 1"	5105	3265	8600
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35022 S + PROL.	Standard	8' 6"	9' 3"	6' 6"	12' 7"	40' 10"	5105	3830	4985
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35023 S STD	Standard	8' 6"	9' 3"	6' 11"	11' 9"	33' 10"	5105	3815	6530
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35023 S + PROL.	Standard	8' 6"	9' 3"	6' 11"	15' 9"	46' 9"	5105	4255	3750
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35024 S STD	Standard	8' 6"	9' 3"	7' 2"	14' 2"	40' 10"	5105	4300	5105
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35024 S + PROL.	Standard	8' 6"	9' 3"	7' 2"	21' 2"	65' 3"	5105	4855	1790
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35025 S STD	Standard	8' 6"	9' 3"	7' 5"	16' 6"	48' 9"	5105	4765	3695
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35025 S + PROL.	Standard	8' 6"	9' 3"	7' 5"	21' 6"	72' 8"	5105	7400	1415
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35026 S STD	Standard	8' 6"	9' 3"	7' 7"	18' 8"	55' 7"	5105	5160	2845
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35026 S + PROL.	Standard	8' 6"	9' 3"	7' 7"	21' 10"	73' 10"	5105	5450	1390
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35027 S STD	Standard	8' 6"	9' 3"	7' 8"	20' 4"	62' 8"	5105	5535	2285
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35027 S + PROL.	Standard	8' 6"	9' 3"	7' 8"	22' 6"	74' 10"	5105	5700	1370
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35022 S LC	Standard	8' 6"	9' 3"	6' 6"	9' 5"	27' 1"	5105	3595	8600
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35022 S + PROL.	Standard	8' 6"	9' 3"	6' 6"	12' 11"	40' 10"	5105	4160	4985
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35023 S LC	Standard	8' 6"	9' 3"	6' 11"	12' 0"	33' 10"	5105	4105	6530
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35023 S + PROL.	Standard	8' 6"	9' 3"	6' 11"	15' 10"	46' 9"	5105	4545	3750
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35024 S LC	Standard	8' 6"	9' 3"	7' 2"	14' 7"	40' 10"	5105	4590	5105
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35024 S + PROL.	Standard	8' 6"	9' 3"	7' 2"	21' 7"	65' 3"	5105	5225	1790
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35025 S LC	Standard	8' 6"	9' 3"	7' 5"	16' 12"	48' 9"	5105	5095	3695
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35025 S + PROL.	Standard	8' 6"	9' 3"	7' 5"	22' 2"	72' 8"	5105	5525	1415
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35026 S LC	Standard	8' 6"	9' 3"	7' 7"	19' 3"	55' 7"	5105	5490	2845
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35026 S + PROL.	Standard	8' 6"	9' 3"	7' 7"	22' 6"	73' 10"	5105	5780	1390
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35027 S LC	Standard	8' 6"	9' 3"	7' 8"	20' 11"	62' 8"	5105	5865	2285
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35027 S + PROL.	Standard	8' 6"	9' 3"	7' 8"	23' 2"	74' 10"	5105	6030	1370
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35023 S +J903	Standard	8' 6"	9' 3"	9' 11"	20' 6"	60' 0"	5105	4545	2295
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35024 S +J903	Standard	8' 6"	9' 3"	9' 11"	23' 6"	67' 3"	5105	4830	1720
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35024 S +J904	Standard	8' 6"	9' 3"	10' 2"	24' 6"	73' 2"	5105	4975	1380
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35025 S +J903	Standard	8' 6"	9' 3"	9' 11"	26' 6"	74' 2"	5105	5195	1140
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35025 S +J904	Standard	8' 6"	9' 3"	10' 1"	27' 6"	80' 5"	5105	5345	915
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35026 S +J702	Standard	8' 6"	9' 3"	9' 2"	26' 1"	74' 8"	5105	6275	1140
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		
PM 35026 S +J703	Standard	8' 6"	9' 3"	9' 9"	30' 4"	80' 5"	5105	6430	915
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5325		

Gru	Br.Stab	a0 (LE2) mm	a1 (LE1) mm	b1 (CR) mm	b2 (WA2) mm	L (CL) mm	G0 (WC) kg	G1 (WA) kg	P (CL2) Kg
PM 40022 S STD	Standard	2585	2825	1990	2820	8200	2315	1480	4160
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40022 S + PROL.	Standard	2585	2825	1990	3830	12450	2315	1735	2410
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40023 S STD	Standard	2585	2825	2105	3585	10300	2315	1730	3180
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40023 S + PROL.	Standard	2585	2825	2105	4800	14250	2315	1930	1820
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40024 S STD	Standard	2585	2825	2185	4320	12450	2315	1950	2435
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40024 S + PROL.	Standard	2585	2825	2185	6450	19900	2315	2200	820
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40025 S STD	Standard	2585	2825	2250	5020	14800	2315	2160	1845
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40025 S + PROL.	Standard	2585	2825	2250	6550	22150	2315	3355	650
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40026 S STD	Standard	2585	2825	2300	5700	16950	2315	2340	1445
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40026 S + PROL.	Standard	2585	2825	2300	6650	22500	2315	2470	640
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40027 S STD	Standard	2585	2825	2335	6200	19100	2315	2510	1135
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40027 S + PROL.	Standard	2585	2825	2335	6850	22800	2315	2585	630
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40022 S LC	Standard	2585	2825	1990	2870	8200	2315	1630	4160
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40022 S LC + PROL.	Standard	2585	2825	1990	3930	12450	2315	1885	2410
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40023 S LC	Standard	2585	2825	2105	3665	10300	2315	1860	3180
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40023 S LC + PROL.	Standard	2585	2825	2105	4820	14250	2315	2060	1820
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40024 S LC	Standard	2585	2825	2185	4440	12450	2315	2080	2435
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40024 S LC + PROL.	Standard	2585	2825	2185	6590	19900	2315	2370	820
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40025 S LC	Standard	2585	2825	2250	5170	14800	2315	2310	1845
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40025 S LC + PROL.	Standard	2585	2825	2250	6750	22150	2315	2505	650
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40026 S LC	Standard	2585	2825	2300	5860	16700	2315	2490	1445
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40026 S LC + PROL.	Standard	2585	2825	2300	6850	22500	2315	2620	630
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40027 S LC	Standard	2585	2825	2335	6380	19100	2315	2660	1135
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40027 S LC + PROL.	Standard	2585	2825	2335	7060	22800	2315	2735	630
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40023 S +J903	Standard	2585	2825	3030	6240	18300	2315	2540	1050
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40024 S +J903	Standard	2585	2825	3025	7160	20500	2315	2700	800
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40024 S +J904	Standard	2585	2825	3090	7460	22300	2315	2790	650
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40025 S +J903	Standard	2585	2825	3025	8070	22650	2315	2875	535
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40025 S +J904	Standard	2585	2825	3085	8380	24500	2315	2965	430
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40026 S +J702	Standard	2585	2825	2805	7945	22750	2315	2845	540
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		
PM 40026 S +J703	Standard	2585	2825	2970	9245	24500	2315	2915	435
	Large	/	/				2435		
	ExtraLarge	3240	3480				2315		

Gru	Br.Stab	a0 (LE2) ft	a1 (LE1) ft	b1 (CR) ft	b2 (WA2) ft	L (CL) ft	G0 (WC) lbs	G1 (WA) lbs	P (CL2) lbs
PM 40022 S STD	Standard	8' 6"	9' 3"	6' 6"	9' 3"	26' 11"	5105	3265	9175
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40022 S + PROL.	Standard	8' 6"	9' 3"	6' 6"	12' 7"	40' 10"	5105	3830	5315
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40023 S STD	Standard	8' 6"	9' 3"	6' 11"	11' 9"	33' 10"	5105	3815	7015
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40023 S + PROL.	Standard	8' 6"	9' 3"	6' 11"	15' 9"	46' 9"	5105	4255	4015
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40024 S STD	Standard	8' 6"	9' 3"	7' 2"	14' 2"	40' 10"	5105	4300	5370
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40024 S + PROL.	Standard	8' 6"	9' 3"	7' 2"	21' 2"	65' 3"	5105	4855	1810
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40025 S STD	Standard	8' 6"	9' 3"	7' 5"	16' 6"	48' 7"	5105	4765	4070
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40025 S + PROL.	Standard	8' 6"	9' 3"	7' 5"	21' 6"	72' 8"	5105	7400	1435
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40026 S STD	Standard	8' 6"	9' 3"	7' 7"	18' 8"	55' 7"	5105	5160	3190
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40026 S + PROL.	Standard	8' 6"	9' 3"	7' 7"	21' 10"	73' 10"	5105	5450	1415
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40027 S STD	Standard	8' 6"	9' 3"	7' 8"	20' 4"	62' 8"	5105	5535	2505
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40027 S + PROL.	Standard	8' 6"	9' 3"	7' 8"	22' 6"	74' 10"	5105	5700	1390
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40022 S LC	Standard	8' 6"	9' 3"	6' 6"	9' 5"	26' 11"	5105	3595	9175
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40022 S LC + PROL.	Standard	8' 6"	9' 3"	6' 6"	12' 11"	40' 10"	5105	4160	5315
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40023 S LC	Standard	8' 6"	9' 3"	6' 11"	12' 0"	33' 10"	5105	4105	7015
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40023 S LC + PROL.	Standard	8' 6"	9' 3"	6' 11"	15' 10"	46' 9"	5105	4545	4015
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40024 S LC	Standard	8' 6"	9' 3"	7' 2"	14' 7"	40' 10"	5105	4590	5370
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40024 S LC + PROL.	Standard	8' 6"	9' 3"	7' 2"	21' 7"	65' 3"	5105	5225	1810
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40025 S LC	Standard	8' 6"	9' 3"	7' 5"	16' 12"	48' 7"	5105	5095	4070
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40025 S LC + PROL.	Standard	8' 6"	9' 3"	7' 5"	22' 2"	72' 8"	5105	5525	1435
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40026 S LC	Standard	8' 6"	9' 3"	7' 7"	19' 3"	54' 9"	5105	5490	3190
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40026 S LC + PROL.	Standard	8' 6"	9' 3"	7' 7"	22' 6"	73' 10"	5105	5780	1390
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40027 S LC	Standard	8' 6"	9' 3"	7' 8"	20' 11"	62' 8"	5105	5865	2505
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40027 S LC + PROL.	Standard	8' 6"	9' 3"	7' 8"	23' 2"	74' 10"	5105	6030	1390
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40023 S +J903	Standard	8' 6"	9' 3"	9' 11"	20' 6"	60' 0"	5105	5600	2315
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40024 S +J903	Standard	8' 6"	9' 3"	9' 11"	23' 6"	67' 3"	5105	5955	1765
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40024 S +J904	Standard	8' 6"	9' 3"	10' 2"	24' 6"	73' 2"	5105	6155	1435
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40025 S +J903	Standard	8' 6"	9' 3"	9' 11"	26' 6"	74' 4"	5105	6340	1180
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40025 S +J904	Standard	8' 6"	9' 3"	10' 1"	27' 6"	80' 5"	5105	6540	950
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40026 S +J702	Standard	8' 6"	9' 3"	9' 2"	26' 1"	74' 8"	5105	6275	1195
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		
PM 40026 S +J703	Standard	8' 6"	9' 3"	9' 9"	30' 4"	80' 5"	5105	6430	960
	Large	/	/				/		
	ExtraLarge	10' 8"	11' 5"				5370		

1.9 STABILIZZATORI SUPPLEMENTARI

Possono essere applicati i seguenti tipi di stabilizzatori supplementari:

Modello 10.50T-SI 5.0

DATITECNICI

- Reazione massima sullo stabilizzatore daN 10500
- Peso..... Kg 430

1.9 SUPPLEMENTARY OUTRIGGERS

It is possible to install this types of supplementary outriggers:

Model 10.50T-SI 5.0

Technical Data

- Maximum reaction on outriggerdaN 10500 (17445 lbf-ft)
- Weight.....Kg 430 (950 lbs)

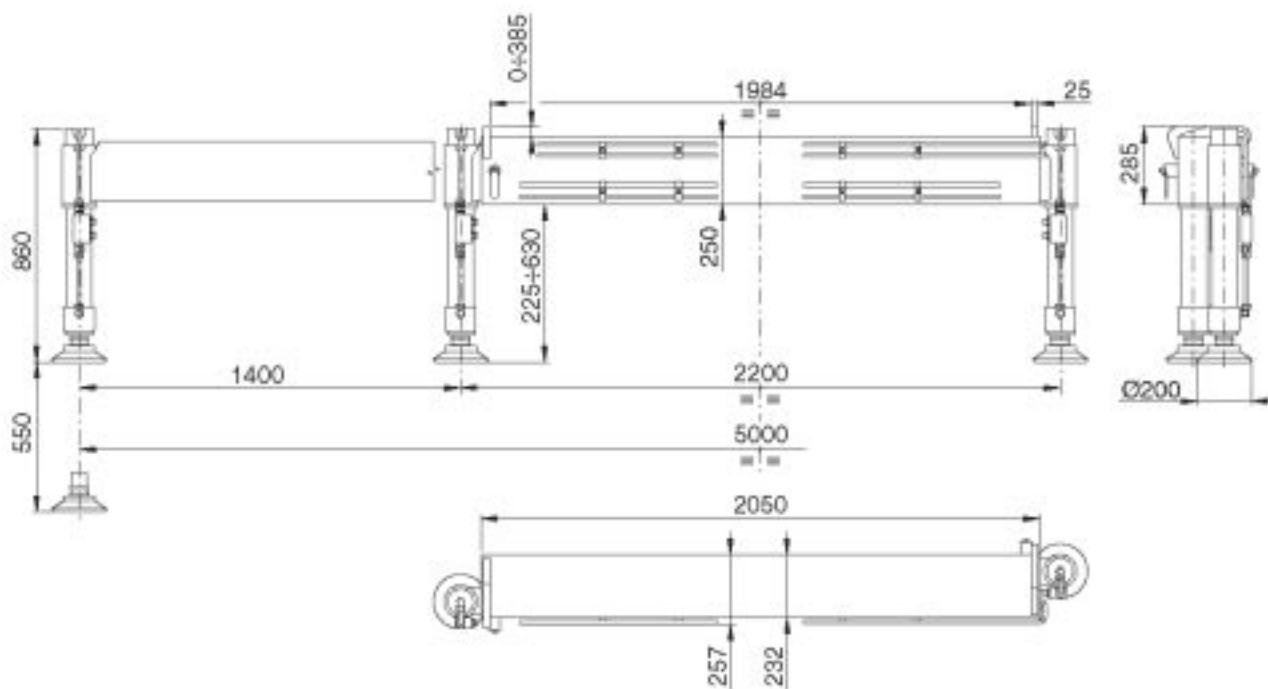


Fig.1-10

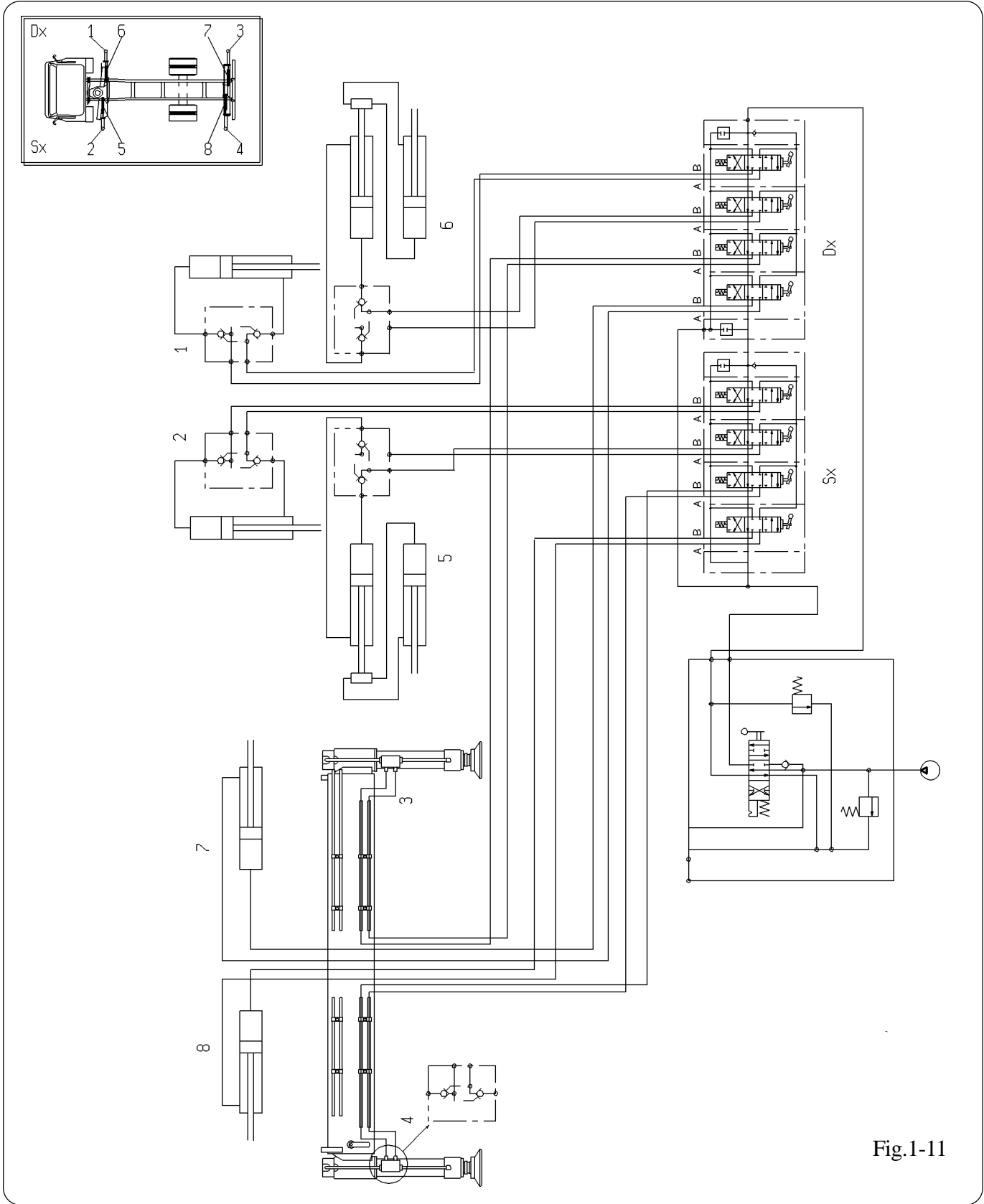


Fig.1-11

2: IMPIANTO IDRAULICO

2.1 LEGENDA DEL CIRCUITO IDRAULICO

A	= Valvola di sovrappressione generale.
B	= Valvola di scarico.
S	= Valvola di blocco semplice
BD	= Valvola di blocco doppia
R	= Valvola di blocco con rubinetto
FR	= Valvola di frenaggio
G	= Motore idraulico verricello
SD	= Valvola di sequenza
I	= Freno idraulico verricello
LT	= Tamburo del verricello
P	= Valvola paracadute
F	= Valvola selettiva
L	= Limitatore di momento
DV	= Deviatore multifunzione
PE	= Pressostato elettrico
RI	= Valvola di riarmo idraulico
NO	= Elettrovalvola N.O.
E	= Arresto di emergenza
PR	= Interruttore innesto PTO
FS	= Fusibile
D1	= Distributore stabilizzatori
D2	= Distributore rotazione
D3	= Distributore martinetto colonna
D4	= Distributore martinetto mensola
D5	= Distributore martinetto bracci
D6	= Distributore martinetto snodo antenna
D7	= Distributore martinetto sfilo antenna
D8	= Distributore verricello
SQ	= Valvola di sequenza

NOTA

I valori di taratura delle valvole sono espresse in MPa. (1MPa = 10 bar = 145psi)

2: HYDRAULIC CIRCUITS

2.1 LETTERS' DESCRIPTION IN HYDRAULIC SYSTEMS

A	= General overpressure valve
B	= Exhaust valve
S	= Simple lock valve
BD	= Double lock valve
R	= Check valve with taps
FR	= Breaking valve
G	= Hydraulic winch motor
SD	= Sequence valve
I	= Hydraulic winch drum
LT	= Winch drum
P	= Parachute valve
F	= Selector valve
L	= Load limiting device
DV	= Multifunction lever switch
PE	= Electric pressure switch
RI	= Hydraulic resetting valves
NO	= N.O. solenoid valve
E	= Emergency stop
PR	= PTO clutch switch
FS	= Fuse
D1	= Outriggers control valve block
D2	= Slewing sys. control valve block
D3	= Column cyl. control valve block
D4	= Main boom cyl. control valve block
D5	= Boom cyl. control valve block
D6	= Cylinder control valve block for jib articulation
D7	= Cylinder control valve block for jib extension
D8	= Winch control valve block
SQ	= Sequence valve

NOTE

The valve settings are expressed in MPa. (1MPa = 10bar = 145 psi)

**2.2 IMPIANTI IDRAULICI GRU SERIE
35 S / 40 SP PT (COMANDO STABILIZZAZIONE E ROTAZIONE)**

**2.2 HIDRAULIC SYSTEMS SERIE
35 S / 40 SP PT (OUTRIGGER AND
SLEWING SYSTEM CONTROLS)**

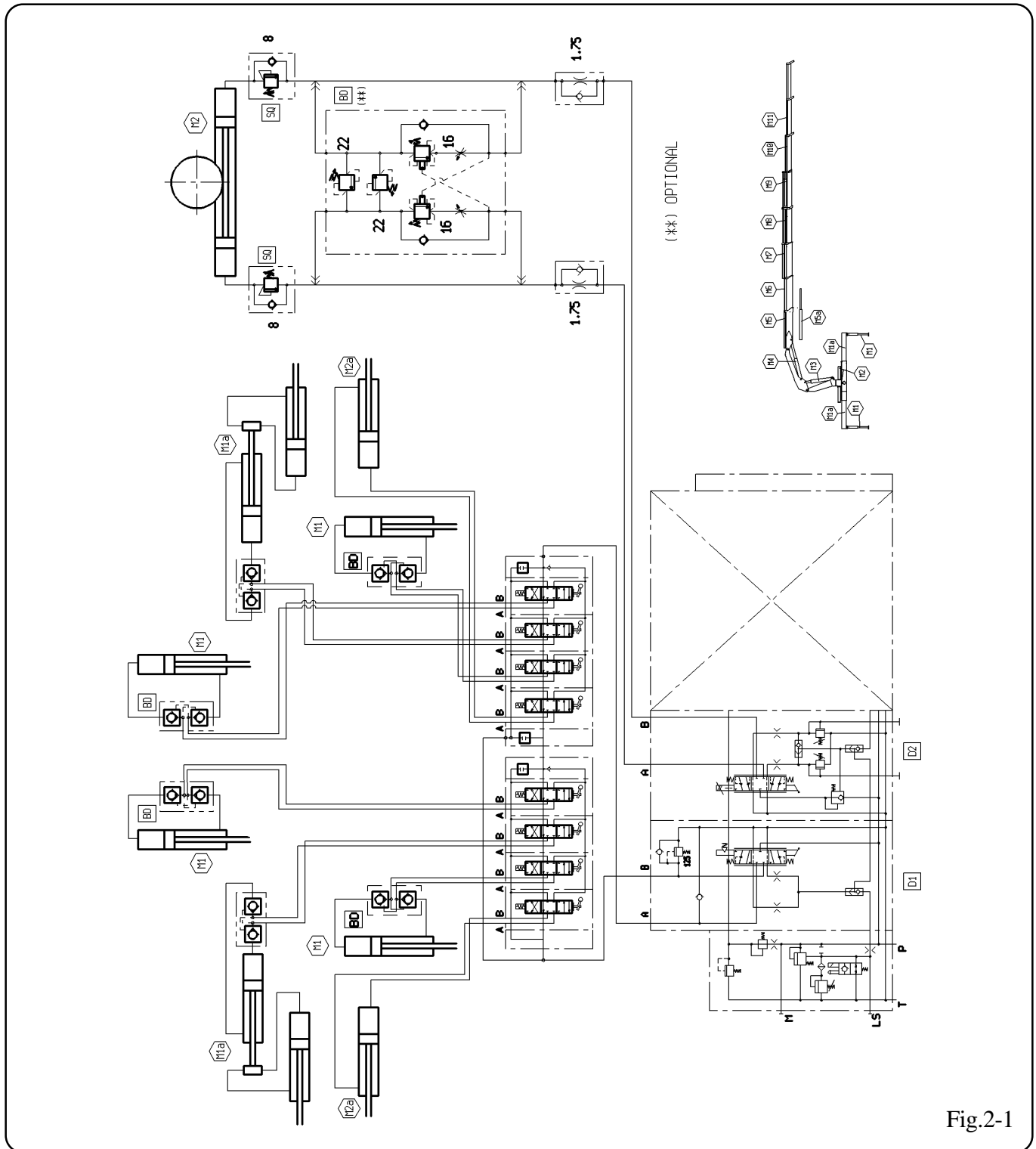


Fig.2-1

2.3 IMPIANTI IDRAULICI GRU SERIE
35 S / 40 SP PT(35022S-35023S-35024S-
40022SP-40023SP-40024SP)

2.3 HIDRAULIC SYSTEM SERIE
35 S / 40 SP PT(35022S-35023S-35024S-
40022SP-40023SP-40024SP)

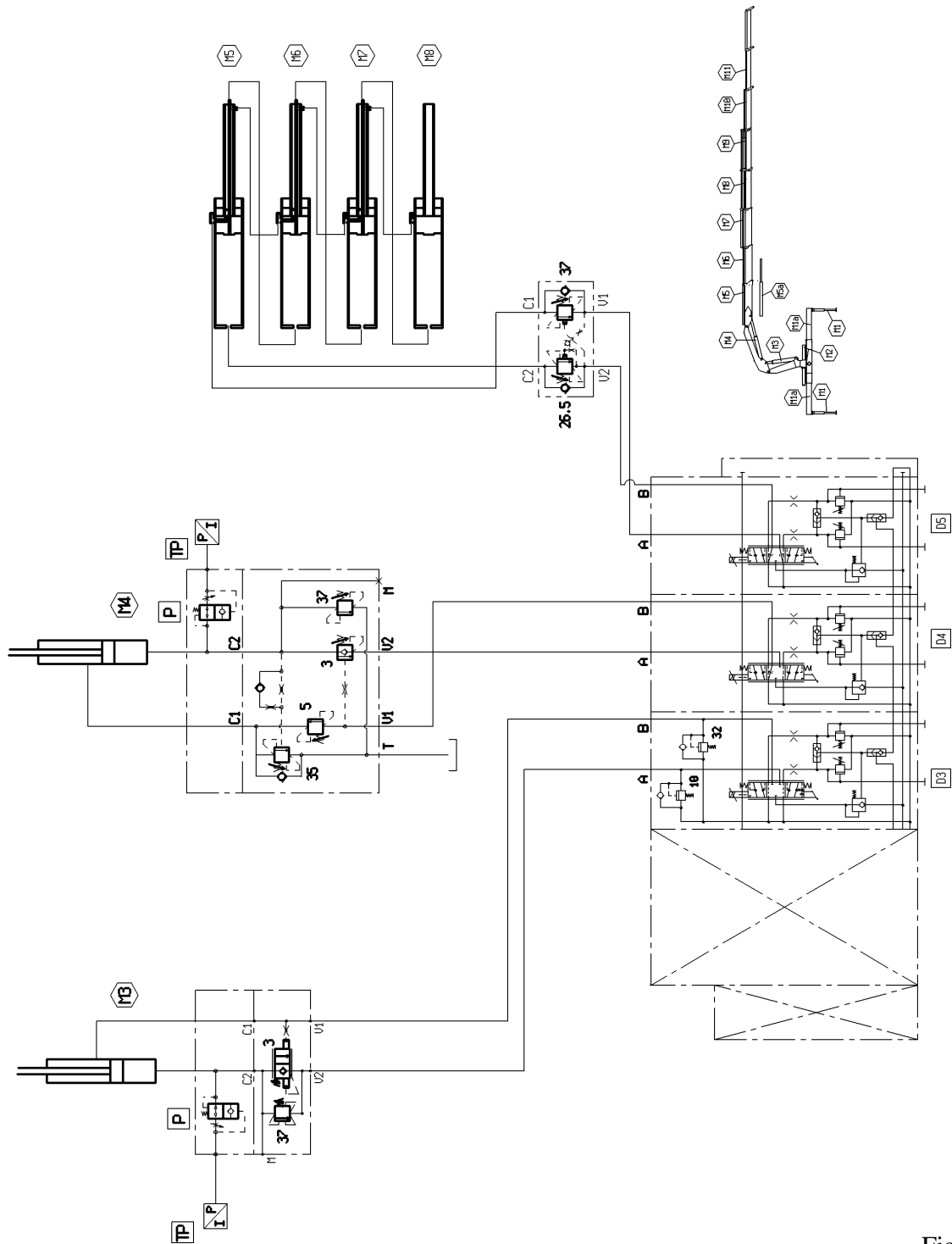


Fig.2-2

**2.4 IMPIANTI IDRAULICI GRU SERIE
35 S / 40 SP PT(35022SLC-35023SLC-
35024SLC-40022SPLC-40023SPLC-
40024SPLC)**

**2.4 HIDRAULIC SYSTEMS SERIE
35 S / 40 SP PT(35022SLC-35023SLC-
35024SLC-40022SPLC-40023SPLC-
40024SPLC)**

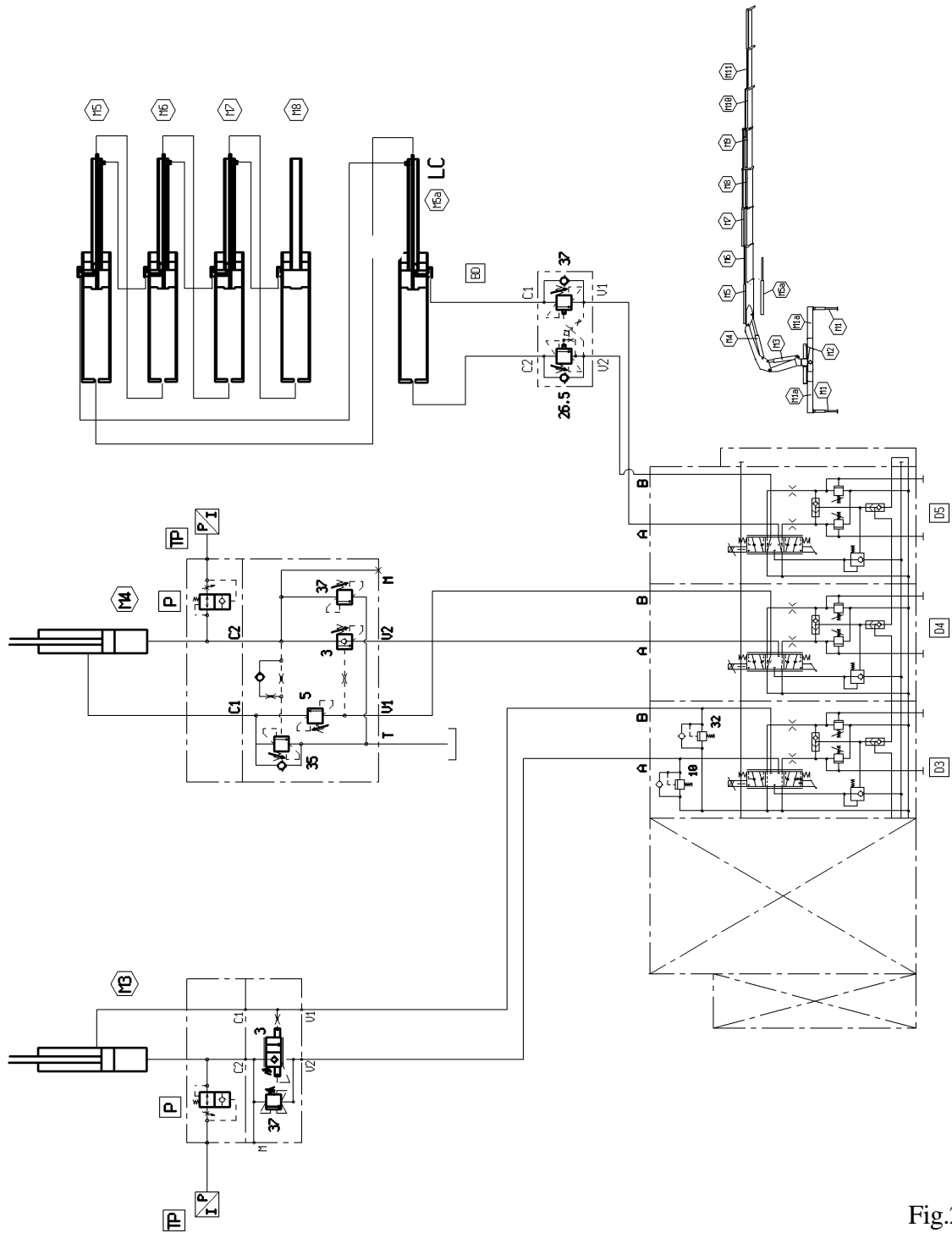


Fig.2-3

2.5 IMPIANTI IDRAULICI GRU SERIE
35 S / 40 SP PT (35025S-35026S-35027S-40025SP-40026SP-40027SP)

2.5 HIDRAULIC SYSTEMS SERIE
35 S / 40 SP PT (35025S-35026S-35027S-40025SP-40026SP-40027SP)

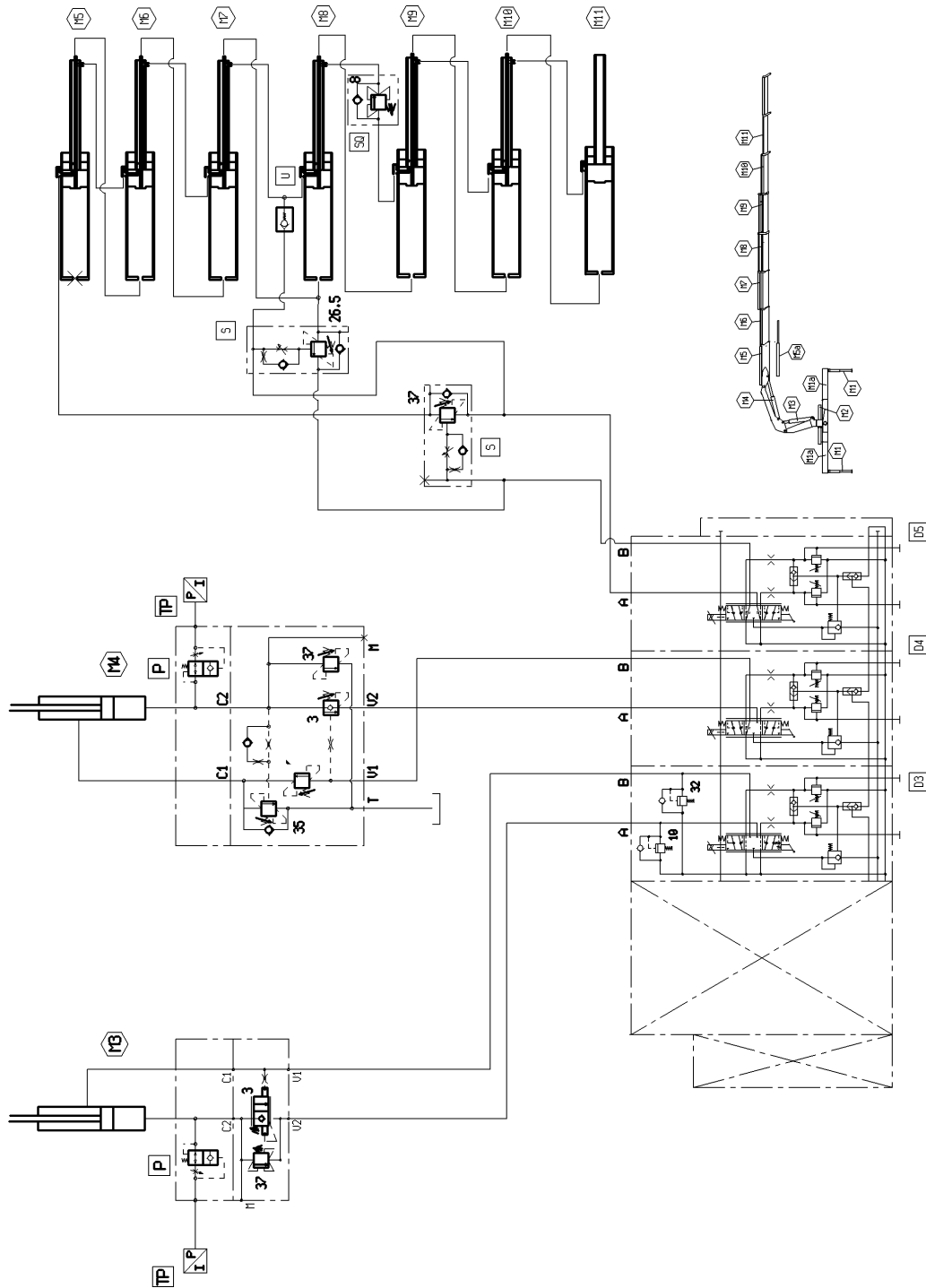


Fig.2-4

2.6 IMPIANTI IDRAULICI GRU SERIE
35 S / 40 SP PT(35025SLC-35026SLC-
35027SLC-40025SPLC-40026SPLC-
40027SPLC)

2.6 HIDRAULIC SYSTEMS SERIE
35 S / 40 SP PT(350025SLC-35026SLC-
35027SLC-40025SPLC-40026SPLC-
40027SPLC)

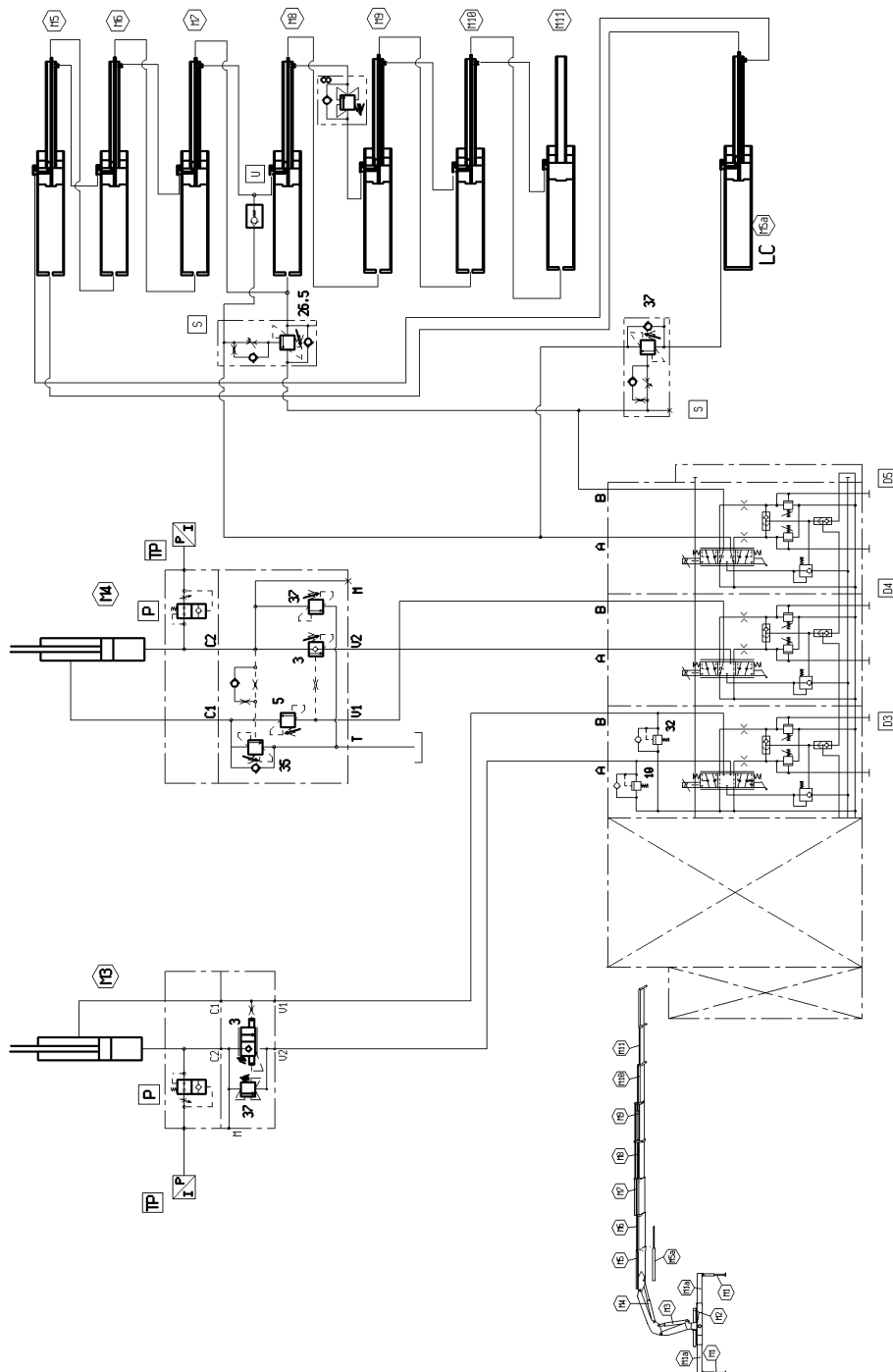


Fig.2-5

**2.7 IMPIANTI IDRAULICI GRU SERIE
35 S / 40 SP PT ANTENNA J 702/3**

**2.7 HIDRAULIC SYSTEMS SERIE
35 S / 40 SP PT JIB J 702/3**

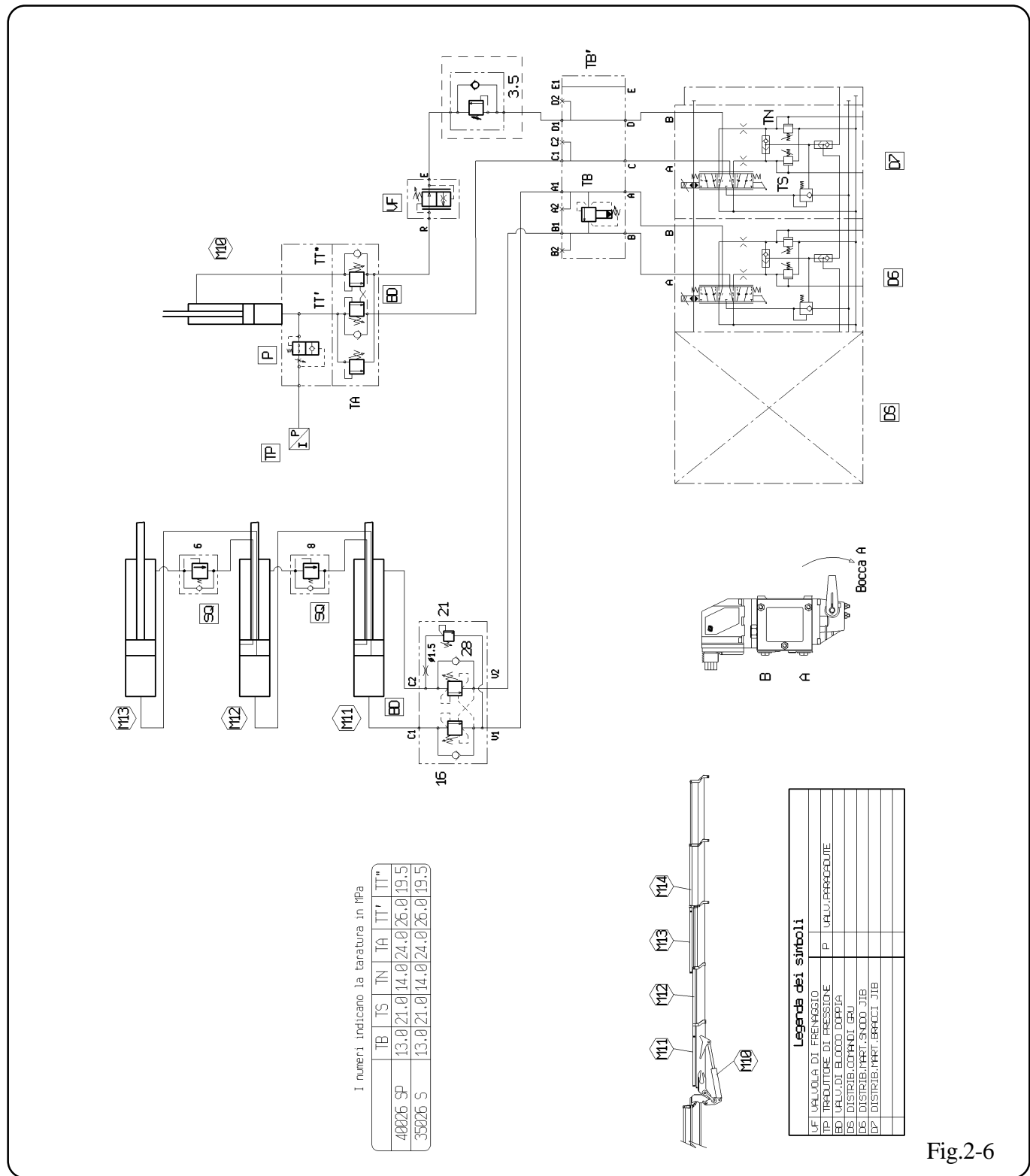


Fig.2-6

2.9 PM SERIE 35 S / 40 SP CON VERRICELLO

2.9 PM SERIE 35 S / 40 SP WITH WINCH

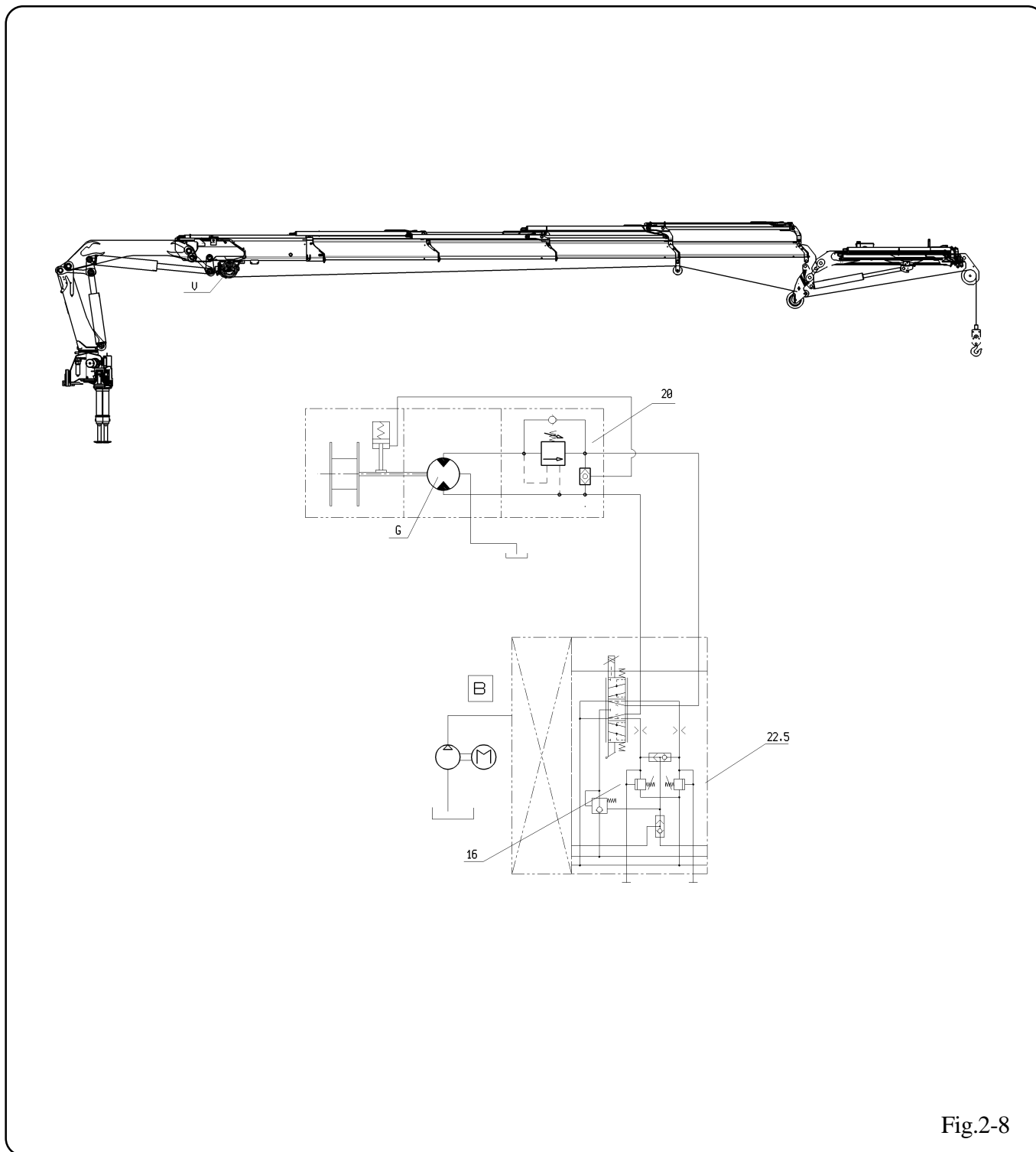


Fig.2-8

2.10 PROSPETTO RIEPILOGATIVO DELLE PRESSIONI DEL DISTRIBUTORE (MPa)

- Portata pompa: 70 l/min
- Temperatura OLIO 45° C
- Olio ISO VG 46
- Tolleranza: 0 ÷ +1 MPa

2.10 PRESSURE ON CONTROL VALVES BLOCK (MPa - psi)

- Pump capacity: 70 l/min (18.5 US-gal/min)
- Temperature OIL 45°C (113 F°)
- Oil ISO VG 46
- Tolerance: 0 ÷ +1 MPa

		35022		35023		35024		35025		35026		35027					
		35022LC		35023LC		35024LC		35025LC		35026LC		35027LC					
		S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D
- MARTINETTO COLONNA	MPa	30.5	12	30.5	12	30.5	12	29.5	12	29.5	12	29.5	12				
- COLUMN CYLINDER	PSI	4430	1740	4430	1740	4430	1740	4280	1740	4280	1740	4280	1740				
- MARTINETTO MENSOLA	MPa	30.5	30.5	30.5	30.5	30.5	30.5	29.5	29.5	29.5	29.5	29.5	29.5				
- MAIN BOOM CYLINDER	PSI	4430	4430	4430	4430	4430	4430	4280	4280	4280	4280	4280	4280				
		U	R	U	R	U	R	U	R	U	R	U	R	U	R	U	R
- MARTINETTO BRACCI	MPa	22	30.5	22	30.5	22	30.5	22	29.5	22	29.5	22	29.5				
- BOOMS CYLINDER	PSI	3195	4430	3195	4430	3195	4430	3195	4280	3195	4280	3195	4280				
		O	A	O	A	O	A	O	A	O	A	O	A	O	A	O	A
- ROTAZIONE	MPa	20	20	20	20	20	20	20	20	20	20	20	20				
- SLEWING SYSTEM	PSI	2905	2905	2905	2905	2905	2905	2905	2905	2905	2905	2905	2905				
		U	R	U	R	U	R	U	R	U	R	U	R	U	R	U	R
- STABILIZZATORI	MPa	15	15	15	15	15	15	15	15	15	15	15	15				
- OUTRIGGER	PSI	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180				
		S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D
- VERRICELLO	MPa	22.5	16	22.5	16	22.5	16	22.5	16	22.5	16	22.5	16				
- WINCH	PSI	3265	2360	3265	2360	3265	2360	3265	2360	3265	2360	3265	2360				
- SNODO ANTENNA J903	MPa	/	/	28.5	15	25	15	20.5	15	/	/	/	/				
- J 903 ARTICULATION JIB	PSI	/	/	4133	2180	3630	2180	2975	2180	/	/	/	/				
- SNODO ANTENNA J904	MPa	/	/	/	/	25	15	20.5	15	/	/	/	/				
- J 904 ARTICULATION JIB	PSI	/	/	/	/	3630	2180	2975	2180	/	/	/	/				
- SNODO ANTENNA J702	MPa	/	/	/	/	/	/	/	/	21.5	14	/	/				
- J 702 ARTICULATION JIB	PSI	/	/	/	/	/	/	/	/	3118	2630	/	/				
- SNODO ANTENNA J703	MPa	/	/	/	/	/	/	/	/	21.5	14	/	/				
- J 703 ARTICULATION JIB	PSI	/	/	/	/	/	/	/	/	3118	2630	/	/				
		U	R	U	R	U	R	U	R	U	R	U	R	U	R	U	R
- SFILO ANTENNA J903-J904	MPa	/	/	20	/	20	/	20	/	/	/	/	/				
- J903-J904 EXTENSION JIB	PSI	/	/	2905	/	2905	/	2905	/	/	/	/	/				
- SFILO ANTENNA J702-J703	MPa	/	/	/	/	/	/	/	/	20	/	/	/				
- J702-J703 EXTENSION JIB	PSI	/	/	/	/	/	/	/	/	2905	/	/	/				

UNITA' DI PRESSIONE / PRESSURE UNIT = Mpa (1 Mpa = 10 bar)
 PRESSURE UNIT = PSI (1MPa = 145 PSI)

S=Salita
 D=Discesa
 U=Uscita
 R=Rientro
 O=Oraria
 A=Antioraria

S=Lifting
 D=Lowering
 U=Extension
 R=Retracting
 O=Clockwise
 A=Anticlockwise

-Portata pompa: 70 l/min
 -Temperatura OLIO 45° C
 -Olio ISO VG 46
 -Tolleranza: 0 ÷ +1 MPa

-Pump capacity: 70 l/min (18.5 US-gal/min)
 -Temperature OIL 45°C (113 F°)
 -Oil ISO VG 46
 -Tolerance: 0 ÷ +1 MPa

	40022		40023		40024		40025		40026		40027							
	40022LC		40023LC		40024LC		40025LC		40026LC		40027LC		S	D	S	D		
	S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D		
- MARTINETTO COLONNA - COLUMN CYLINDER	MPa	31.5	14	31.5	14	31.5	14	31.5	14	31.5	14	31.5	14					
	PSI	4570	2030	4570	2030	4570	2030	4570	2030	4570	2030	4570	2030					
- MARTINETTO MENSOLA - MAIN BOOM CYLINDER	MPa	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5					
	PSI	4570	4570	4570	4570	4570	4570	4570	4570	4570	4570	4570	4570					
	U	R	U	R	U	R	U	R	U	R	U	R	U	R	U	R	U	R
- MARTINETTO BRACCI - BOOMS CYLINDER	MPa	22.5	31.5	22.5	31.5	22	31.5	22	31.5	22	31.5	22	31.5					
	PSI	3265	4570	3265	4570	3265	4570	3265	4570	3265	4570	3265	4570					
	O	A	O	A	O	A	O	A	O	A	O	A	O	A	O	A	O	A
- ROTAZIONE - SLEWING SYSTEM	MPa	20	20	20	20	20	20	20	20	20	20	20	20					
	PSI	2905	2905	2905	2905	2905	2905	2905	2905	2905	2905	2905	2905					
	U	R	U	R	U	R	U	R	U	R	U	R	U	R	U	R	U	R
- STABILIZZATORI - OUTRIGGER	MPa	15	15	15	15	15	15	15	15	15	15	15	15					
	PSI	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180	2180					
	S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D
- VERRICELLO - WINCH	MPa	22.5	16	22.5	16	22.5	16	22.5	16	22.5	16	22.5	16					
	PSI	3265	2360	3265	2360	3265	2360	3265	2360	3265	2360	3265	2360					
- SNODO ANTENNA J903 - J 702 ARTICULATION JIB	MPa	/	/	28.5	15	25	15	20.5	25.5	/	/	/	/					
	PSI	/	/	4133	2180	3630	2180	2975	3700	/	/	/	/					
- SNODO ANTENNA J904 - J 703 ARTICULATION JIB	MPa	/	/	/	/	25	15	20.5	15	/	/	/	/					
	PSI	/	/	/	/	3630	2180	2975	2180	/	/	/	/					
- SNODO ANTENNA J702 - J 502 ARTICULATION JIB	MPa	/	/	/	/	/	/	/	/	21.5	14	/	/					
	PSI	/	/	/	/	/	/	/	/	3118	2030	/	/					
- SNODO ANTENNA J703 - J 503 ARTICULATION JIB	MPa	/	/	/	/	/	/	/	/	21.5	14	/	/					
	PSI	/	/	/	/	/	/	/	/	3118	2030	/	/					
	U	R	U	R	U	R	U	R	U	R	U	R	U	R	U	R	U	R
- SFILO ANTENNA J903-J904 J903J904 EXTENSIONJIB	MPa	/	/	20	/	20	/	20	/	/	/	/	/					
	PSI	/	/	2905	/	2905	/	2905	/	/	/	/	/					
- SFILO ANTENNA J702-J703 J702-J703 EXTENSIONJIB	MPa	/	/	/	/	/	/	/	/	16	21	/	/					
	PSI	/	/	/	/	/	/	/	/	2360	3050	/	/					

UNITA' DI PRESSIONE / PRESSURE UNIT = Mpa (1 Mpa = 10 bar)
 PRESSURE UNIT = PSI (1MPa = 145 PSI)

S=Salita
 D=Discesa
 U=Uscita
 R=Rientro
 O=Oraria
 A=Antioraria

S=Lifting
 D=Lowering
 U=Extension
 R=Retracting
 O=Clockwise
 A=Anticlockwise

2.11 PROSPETTO RIEPILOGATIVO DELLE PRESSIONI DELLE VALVOLE SUI MARTINETTI E DEL LIMITATORE DI MOMENTO (MPa)

-Temperatura OLIO 45° C
-Olio ISO VG46
-Tolleranza: 0 ÷ +1 MPa

2.11 PRESSURE ON CYLINDERS VALVES AND LOAD LIMITING DEVICE (MPa - psi)

-Temperature OIL 45°C (113 F°)
-Oil ISO VG 46
-Tolerance: 0 ÷ +1 MPa

		35022		35023		35024		35025		35026		35027					
		35022LC		35023LC		35024LC		35025LC		35026LC		35027LC					
		S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D
- MARTINETTO COLONNA	MPa	37	/	37	/	37	/	37	/	37	/	37	/				
- COLUMN CYLINDER	PSI	5370	/	5370	/	5370	/	5370	/	5370	/	5370	/				
- MARTINETTO MENSOLA	MPa	37	/	37	/	37	/	37	/	37	/	37	/				
- MAIN BOOM CYLINDER	PSI	5370	/	5370	/	5370	/	5370	/	5370	/	5370	/				
		U	R	U	R	U	R	U	R	U	R	U	R	U	R	U	R
- MARTINETTO BRACCI*	MPa	26.5	37	26.5	37	26.5	37	26.5	37	26.5	37	26.5	37				
- BOOMS CYLINDER*	PSI	3845	5370	3845	5370	3845	5370	3845	5370	3845	5370	3845	5370				
- MART. BRACCI LC*	MPa	26.5	37	26.5	37	26.5	37	26.5	37	26.5	37	26.5	37				
- LC BOOMS CYLINDER*	PSI	3845	5370	3845	5370	3845	5370	3845	5370	3845	5370	3845	5370				
		O	A	O	A	O	A	O	A	O	A	O	A	O	A	O	A
- ROTAZIONE	MPa	22	22	22	22	22	22	22	22	22	22	22	22				
- SLEWING SYSTEM	PSI	3195	3195	3195	3195	3195	3195	3195	3195	3195	3195	3195	3195				
		S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D
- VERRICELLO	MPa	20	/	20	/	20	/	20	/	20	/	20	/				
- WINCH	PSI	2905	/	2905	/	2905	/	2905	/	2905	/	2905	/				
- SNODO ANTENNA J903	MPa	/	/	35	19.5	35	19.5	35	19.5	/	/	/	/				
- J 903 ARTICULATION JIB	PSI	/	/	5080	2830	5080	2830	5080	2830	/	/	/	/				
- SNODO ANTENNA J904	MPa	/	/	/	/	35	19.5	35	19.5	/	/	/	/				
- J 904 ARTICULATION JIB	PSI	/	/	/	/	5080	2830	5080	2830	/	/	/	/				
- SNODO ANTENNA J702	MPa	/	/	/	/	/	/	/	/	26	19.5	/	/				
- J 702 ARTICULATION JIB	PSI	/	/	/	/	/	/	/	/	3775	2830	/	/				
- SNODO ANTENNA J703	MPa	/	/	/	/	/	/	/	/	26	19.5	/	/				
- J 703 ARTICULATION JIB	PSI	/	/	/	/	/	/	/	/	3775	2830	/	/				
		U	R	U	R	U	R	U	R	U	R	U	R	U	R	U	R
- SFILO ANTENNA J903/904	MPa	/	/	16	21	16	21	16	21	/	/						
- J 903/904 EXTENSION JIB	PSI	/	/	2360	3050	2360	3050	2360	3050	/	/						
- SFILO ANTENNA J702/703	MPa	/	/	/	/	/	/	/	/	16	21						
- J 702/703 EXTENSION JIB	PSI	/	/	/	/	/	/	/	/	2360	3050						
- LIM. DI MOMENTO*	MPa		31.5		31.5		31.5		30.5		30.5		30.5				
- LOAD LIMIT DEVICE*	PSI		4570		4570		4570		4430		4430		4430				
- LIM. DI MOMENTO J903/4	MPa		/		28.5		27		22		/		/				
- LOAD LIMIT DEVICE J903/4	PSI		/		4135		3920		3195		/		/				
- LIM. DI MOMENTO J702/3	MPa		/		/		/		/		21.5		/				
- LOAD LIMIT DEVICE J702/3	PSI		/		/		/		/		3120		/				

* Tolleranza: 0 ÷ +2 MPa * Tolerance: 0 ÷ +2 MPa

-Temperatura OLIO 45° C
 -Olio ISO VG 46
 -Tolleranza: 0 ÷ +1MPa

-Temperature OIL 45°C (113 F°)
 -Oil ISO VG 46
 -Tolerance: 0 ÷ +1 MPa

	40022		40023		40024		40025		40026		40027						
	40022LC		40023LC		40024LC		40025LC		40026LC		40027LC		S	D	S	D	
- MARTINETTO COLONNA	MPa	37	/	37	/	37	/	37	/	37	/	37	/				
- COLUMN CYLINDER	PSI	5370	/	5370	/	5370	/	5370	/	5370	/	5370	/				
- MARTINETTO MENSOLA	MPa	37	/	37	/	37	/	37	/	37	/	37	/				
- MAIN BOOM CYLINDER	PSI	5370	/	5370	/	5370	/	5370	/	5370	/	5370	/				
		U	R	U	R	U	R	U	R	U	R	U	R	U	R	U	R
- MARTINETTO BRACCI*	MPa	26.5	37	26.5	37	26.5	37	26.5	37	26.5	37	26.5	37				
- BOOMS CYLINDER*	PSI	3845	5370	3845	5370	3845	5370	3845	5370	3845	5370	3845	5370				
- MART. BRACCI LC*	MPa	26.5	37	26.5	37	26.5	37	26.5	37	26.5	37	26.5	37				
- LC BOOMS CYLINDER*	PSI	3845	5370	3845	5370	3845	5370	3845	5370	3845	5370	3845	5370				
		O	A	O	A	O	A	O	A	O	A	O	A	O	A	O	A
- ROTAZIONE	MPa	22	22	22	22	22	22	22	22	22	22	22	22				
- SLEWING SYSTEM	PSI	3195	3195	3195	3195	3195	3195	3195	3195	3195	3195	3195	3195				
		S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D
- VERRICELLO	MPa	20	/	20	/	20	/	20	/	20	/	20	/				
- WINCH	PSI	2905	/	2905	/	2905	/	2905	/	2905	/	2905	/				
- SNODO ANTENNA J903	MPa	/	/	35	19.5	35	19.5	35	19.5	/	/	/	/				
- J 903 ARTICULATION JIB	PSI	/	/	5080	2830	5080	2830	5080	2830	/	/	/	/				
- SNODO ANTENNA J904	MPa	/	/	/	/	35	19.5	35	19.5	/	/	/	/				
- J 904 ARTICULATION JIB	PSI	/	/	/	/	5080	2830	5080	2830	/	/	/	/				
- SNODO ANTENNA J702	MPa	/	/	/	/	/	/	/	/	26	19.5	/	/				
- J 702 ARTICULATION JIB	PSI	/	/	/	/	/	/	/	/	3770	2830	/	/				
- SNODO ANTENNA J703	MPa	/	/	/	/	/	/	/	/	/	/	/	/				
- J 703 ARTICULATION JIB	PSI	/	/	/	/	/	/	/	/	/	/	/	/				
		U	R	U	R	U	R	U	R	U	R	U	R	U	R	U	R
- SFILO ANTENNA J702/703	MPa	/	/	16	21	16	21	16	21	/	/	/	/				
- J 702/703 EXTENSION JIB	PSI	/	/	2360	3050	2360	3050	2360	3050	/	/	/	/				
- SFILO ANTENNA J502/503	MP	/	/	/	/	/	/	/	/	16	21	/	/				
- J 502/503 EXTENSION JIB	PSI	/	/	/	/	/	/	/	/	2360	3050	/	/				
- LIM. DI MOMENTO*	MPa		32.5		32.5		32.5		32.5		32.5		32.5		32.5		
- LOAD LIMIT DEVICE*	PSI		4715		4715		4715		4715		4715		4715		4715		
- LIM. DI MOMENTO J903/4	MPa		/		28.5		27		22		/		/				
- LOAD LIMIT DEVICE J903/4	PSI		/		4135		3920		3195		/		/				
- LIM. DI MOMENTO J702/3	MPa		/		/		/		/		21.5		/				
- LOAD LIMIT DEVICE J702/3	PSI		/		/		/		/		3120		/				

* Tolleranza: 0 ÷ +2 MPa * Tolerance: 0 ÷ +2 MPa

2.12 TEMPI DI LAVORO

(tempi teorici minimi senza carico)

- Q= 70l/min
- Temperatura OLIO= 45°C
- OLIO ISO VG 46
- Tolleranza: ±5%

2.12 MOUVEMENTS SPEED

(minimum teorics times - without load)

- Q= 70 l/min (18.5 US-gals/min)
- Temperature OIL= 45°C (113 F°)
- OIL ISO VG 46
- Tollerance: ±5%

	35022 40022		35023 40023		35024 40024		35025 40025		35026 40026		35027 40027					
	S	D	S	D	S	D	S	D	S	D	S	D	S	D	S	D
- MARTINETTO COLONNA - COLUMN CYLINDER sec.	39	35	39	35	39	35	39	35	39	35	39	35				
- MARTINETTO MENSOLA - MAIN BOOM CYLINDER sec.	39	29	39	29	39	29	39	29	39	39	29	39				
- MARTINETTO BRACCI - BOOMS CYLINDER sec.	28	16	42	25	56	34	68	42	80	50	92	59				
- MART. BRACCI LC - LC BOOMS CYLINDER sec.	34	20	48	29	62	38	74	46	86	54	98	63				
- ROTAZIONE(410°) - SLEWING SYSTEM(410°) sec.	57	57	57	57	57	57	57	57	57	57	57	57				
- STABILIZZATORI - OUTRIGGER sec.	8	13	8	13	8	13	8	13	8	13	8	13				

S=Salita / Uscita
D=Discesa / Rientro

S=Lifting / Extension
D=Lowering / Retracting

3: IMPIANTI ELETTRICI

3.1 DISPOSITIVO ARRESTO IN EMERGENZA

3: ELECTRICAL CIRCUITS

3.1 EMERGENCY STOP DEVICE

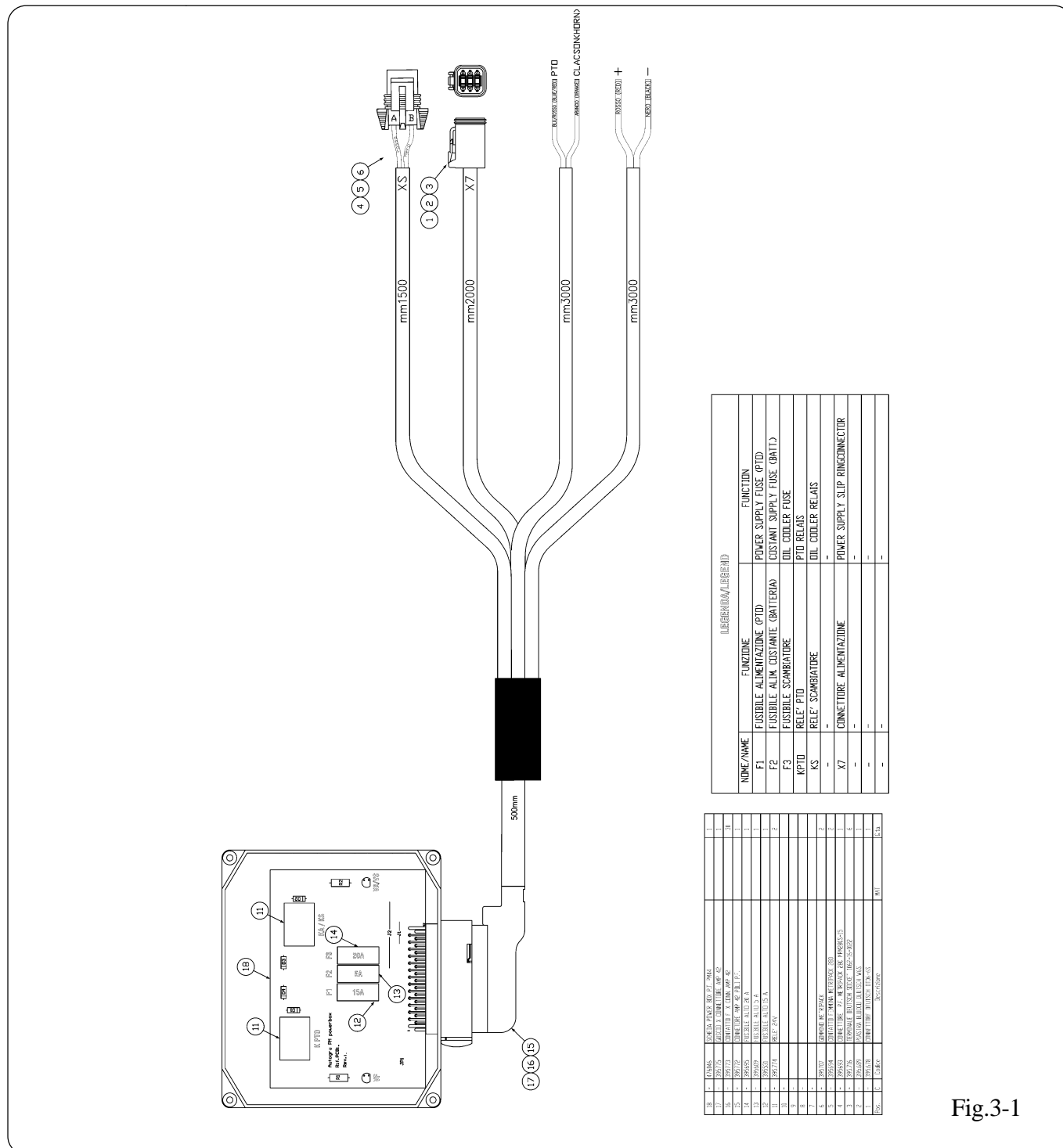
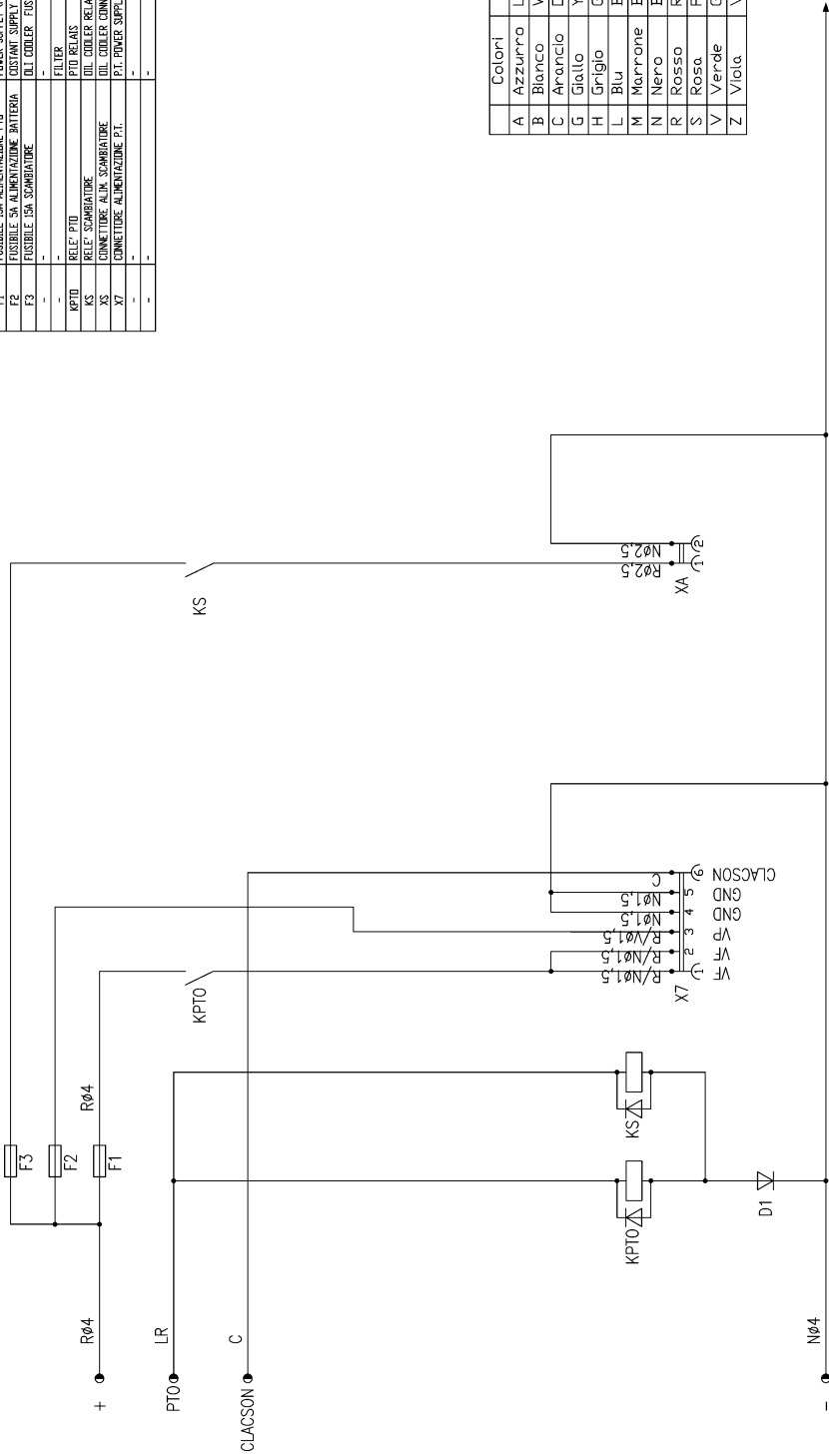


Fig.3-1

LEGENDE/LEGEND

NOME/NAME	FUNZIONE	FUNCTION
F1	FUSIBILE 15A ALIMENTAZIONE PTD	POWER SUPPLY 60FD FUSE 15A
F2	FUSIBILE 5A ALIMENTAZIONE BATERIA	CONSTANT SUPPLY (BATTERY) FUSE 5A
F3	FUSIBILE 15A SCAMBIAIORE	OIL COOLER FUSE 15A
-	-	-
-	-	-
KPTD	RELP. PTD	PTD RELAYS
KS	RELP. SCAMBIAIORE	OIL COOLER RELAYS
XS	CONNETTORE ALIM. SCAMBIAIORE	OIL COOLER CONNECTOR
X7	CONNETTORE ALIMENTAZIONE P.T.	P.T. POWER SUPPLY CONNECTOR
-	-	-
-	-	-



Colori	Colors	
A	Azzurro	Light Blue
B	Bianco	White
C	Arancio	Orange
G	Giallo	Yellow
H	Grigio	Gray
L	Blu	Blue
M	Marrone	Brown
N	Nero	Black
R	Rosso	Red
S	Rosa	Pink
V	Verde	Green
Z	Viola	Violet

Fig.3-2

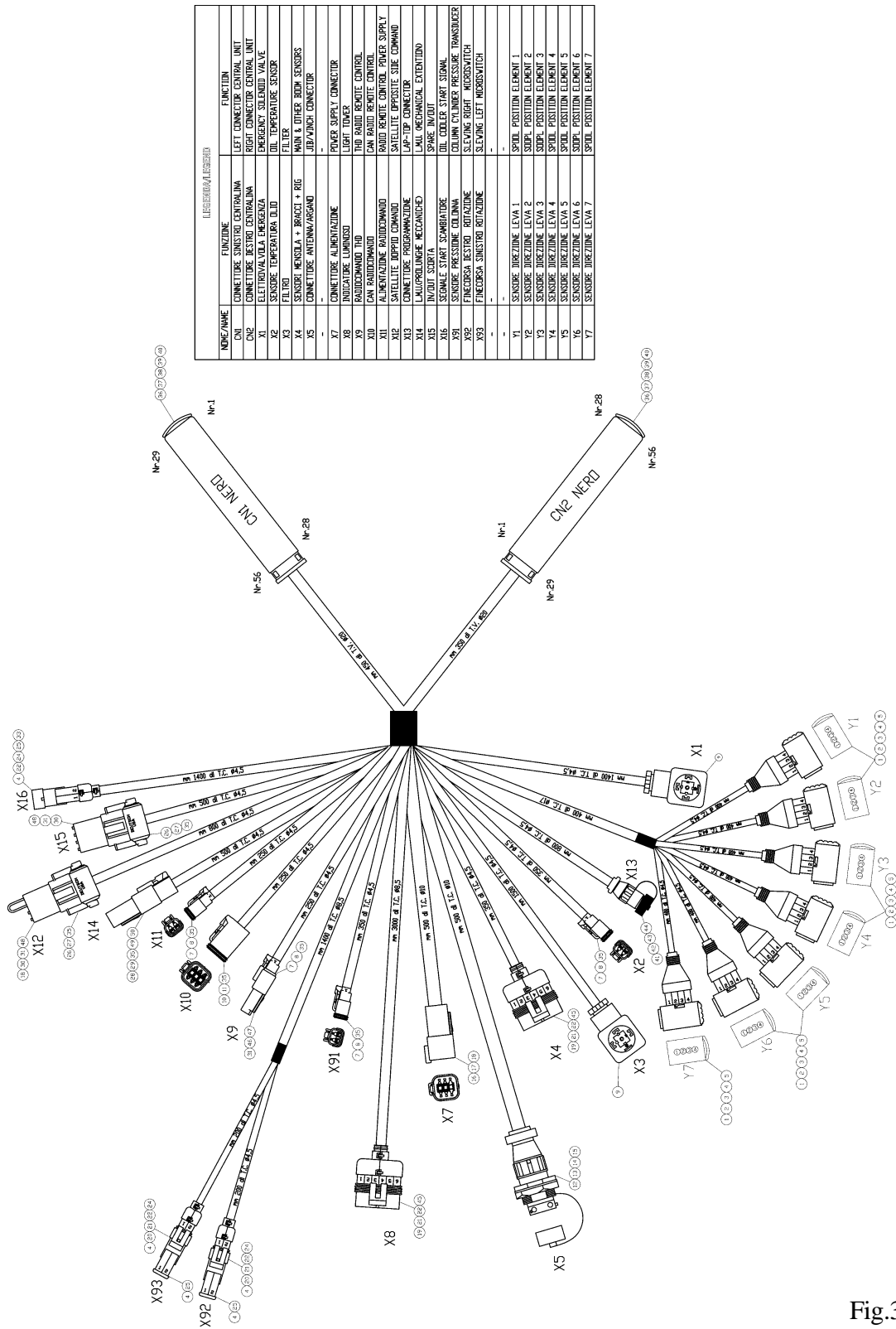


Fig.3-3

Pos.	CODICE	DESCRIZIONE	Q.tà
1	395667	CONNETTORE JUNIOR TIMER AMP 967059/1	7
2	395664	CONTATTO FEMMINA JUNIOR TIMER AMP 927770/1	21
3	395665	GOMMINO JUNIOR TIMER AMP 828904	21
4	395666	TAPPO CAVITA' JUNIOR TIMER AMP 828922-1	12
5	395765	PROTEZIONE X CONNETTORE AMP JUNIOR TIME	7
6	-	-	-
7	395669	CONNETTORE DEUTSCH DT06-2S	4
8	395696	PIASTRA BLOCCO DEUTSCH W2S	4
9	395646	CONNETTORE DIN 3P+T	2
10	395678	CONNETTORE DEUTSCH DT06-6S	1
11	395689	PIASTRA BLOCCO DEUTSCH W6S	1
12	395657	CONNETTORE ITT-CANNON 192900-0266	1
13	395656	CONTATTO MASCHIO ITT 192990-2490	12
14	395652	CORAZZA ITT 192900-0286	1
15	395663	TAPPO X CONNETTORE ITT 192900-0378	1
16	395677	CONNETTORE DEUTSCH DT04-6P	1
17	395679	PIASTRA BLOCCO DEUTSCH W6P	1
18	395683	TERMINALE PIN DEUTSCH 1060160122	6
19	395737	CONNETTORE AMP SUPERSEAL 6 POLI P.F.	2
20	395709	CONNETTORE AMP SUPERSEAL 2 POLI P.F.	2
21	395716	CONTATTO FEMMINA AMP SUPERSEAL	16
22	395718	GOMMINO FORD Ø1 AMP SUPEREAL	17
23	-	-	-
24	395760	GUSCIO AMP 2 POLI	3
25	395708	CONNETTORE AMP SUPERSEAL 2 POLI P.M.	3
26	395681	CONNETTORE DEUTSCH DT06-8S	2
27	395690	PIASTRA BLOCCO DEUTSCH W8S	2
28	395675	CONNETTORE DEUTSCH DT06-4S	1
29	395688	PIASTRA BLOCCO DEUTSCH W4S	1
30	395680	CONNETTORE DEUTSCH DT04-8P	2
31	395685	OTTURATORE DEUTSCH	14
32	-	-	-
33	395717	CONTATTO MASCHIO AMP SUPERSEAL	1
34	-	-	-
35	395684	TERMINALE FEMMINA DEUTSCH 1062160122	34
36	395662	CONNETTORE SICMA 56 POLI 1.5 211PC562S0009	2
37	395659	SLITTA X CONNETTORE SICMA 56 POLI 211A560008	2
38	395660	TERMINALE FEMMINA SICMA-2 1.5 S1 2.5	81
39	395766	OTTURATORE SICMA 2	31
40	395661	COVER X CONNETTORE SICMA 211A560008	2
41	395739	CONN. AMP CPC SEALED 9 POLI RECEPTABLE Tyco 788159-2	1
42	395740	CONTATTO PIN AMP CPC GOLD-PLATED Tyco 3-1105002-2	8
43	395741	GUSCIO AMP CPC SIZE 13 Tyco 182663-1	1
44	395742	TAPPO CONNETTORE AMP CPC Tyco 211870-1	1
45	395764	GUSCIO CONNETTORE AMP SUPERSEAL 6 POLI	2
46	395668	CONNETTORE DEUTSCH DT04-2P	1
47	395670	PIASTRA BLOCCO DEUTSCH W2P	1
48	395682	PIASTRA BLOCCO DEUTSCH W8P	-
49	395674	CONNETTORE DEUTSCH DT04-4P	1
50	395676	PIASTRA BLOCCO DEUTSCH W4P	1

Fig.3-4

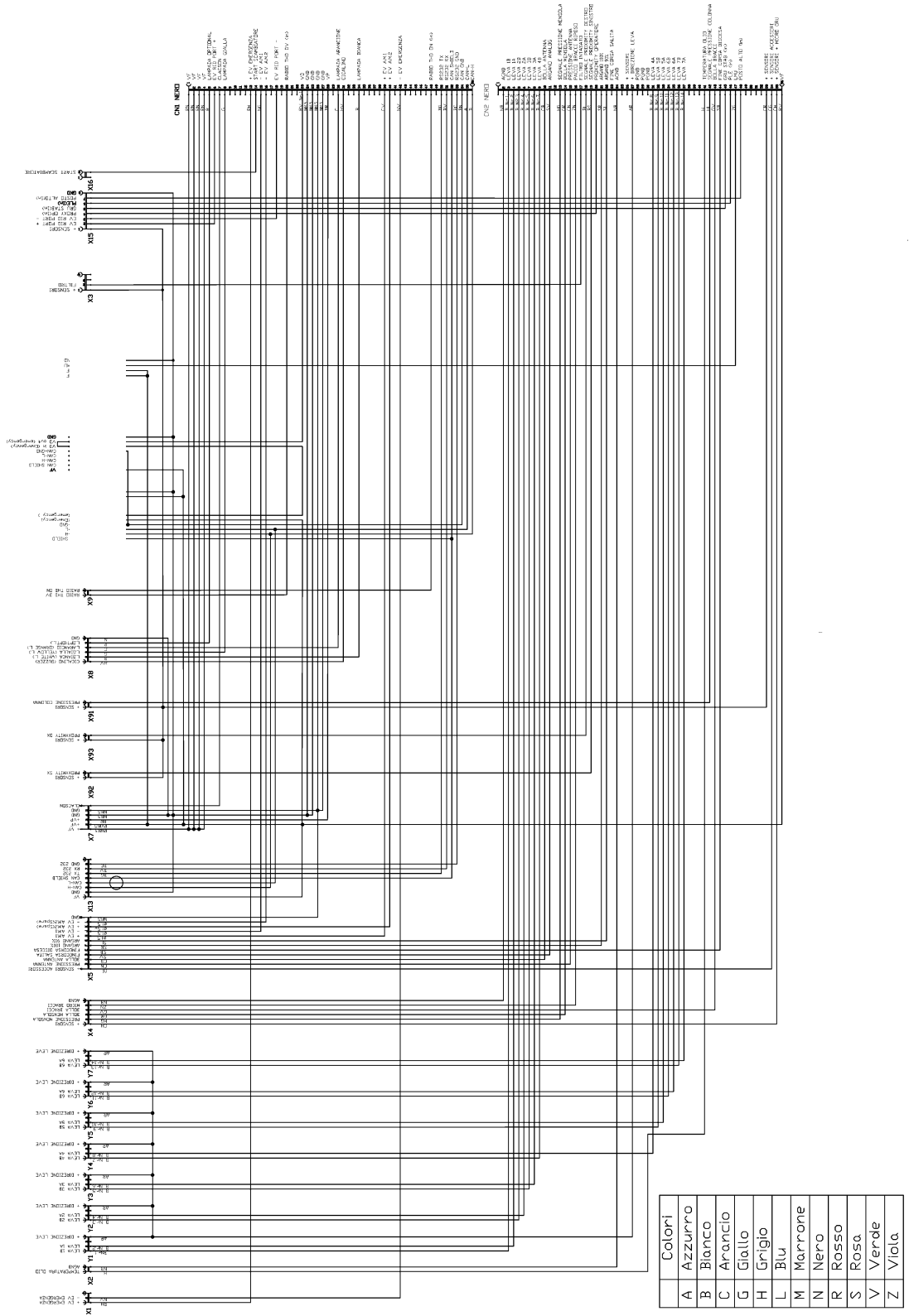
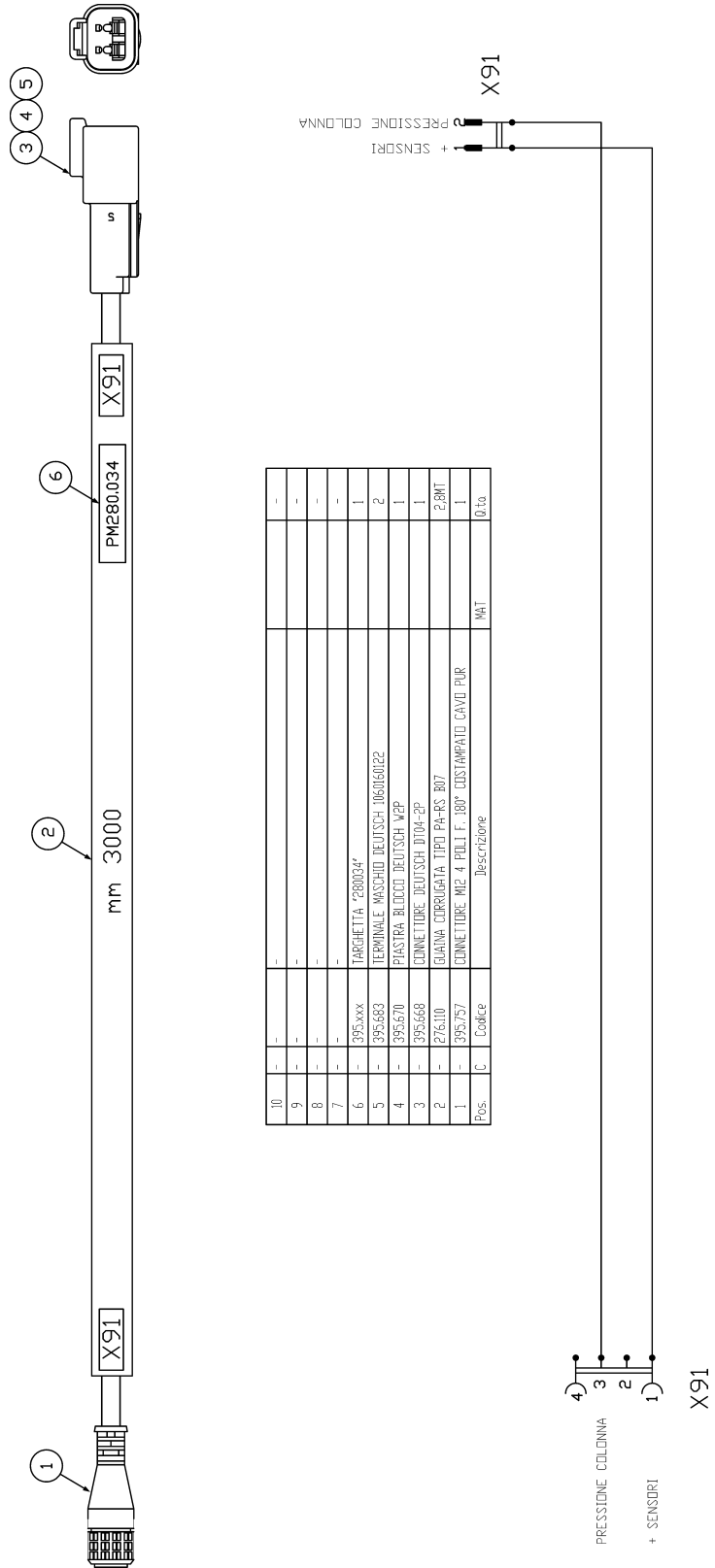
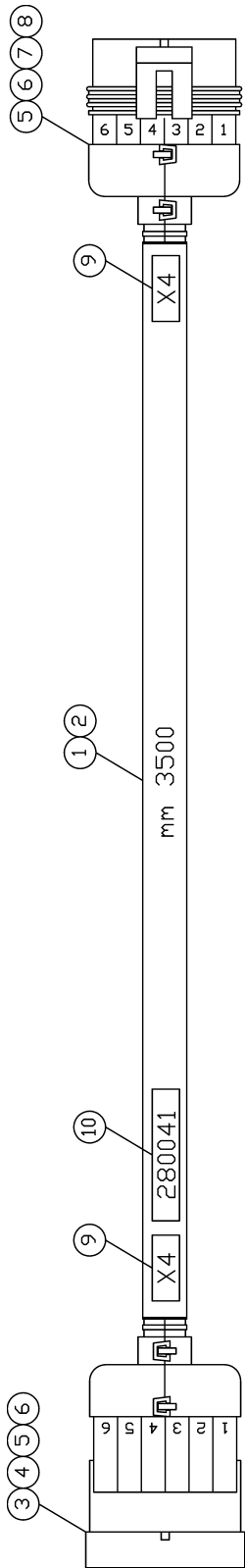


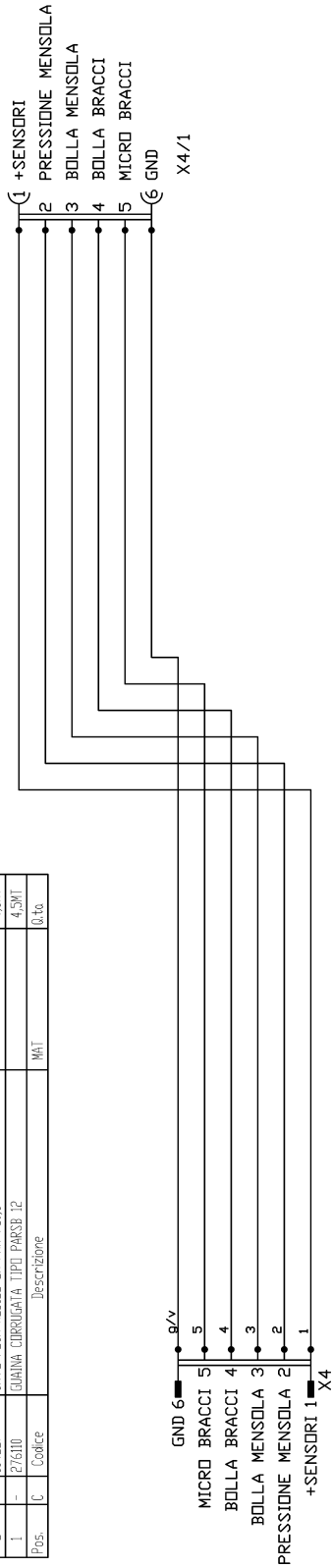
Fig.3-5

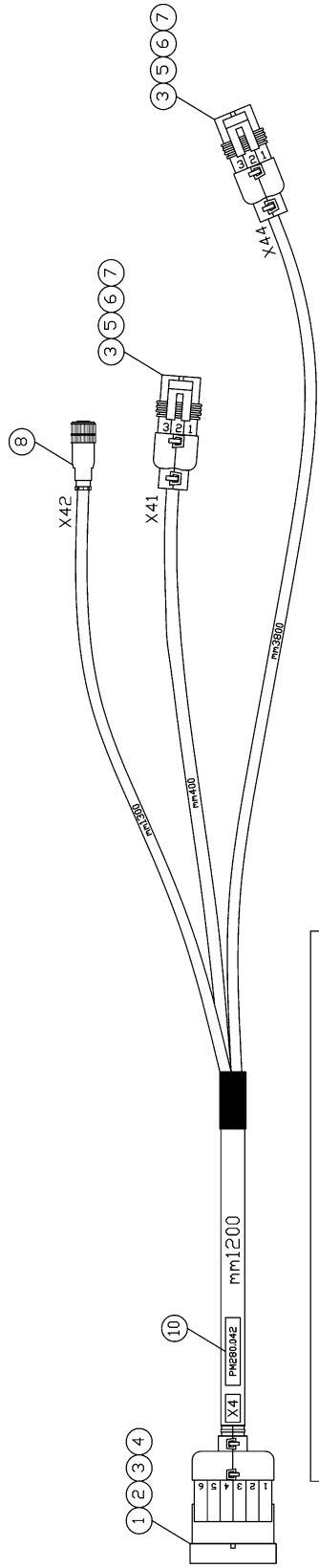
Fig.3-6





Pos.	C	Codice	Descrizione	MAT
11	-	-	-	-
10	-	-	TARGHETTA "280041"	1
9	-	-	TERGHETTA "X4"	2
8	-	395.716	TERMINALE FEMMINA AMP SUPERSEAL	6
7	-	395.737	CONNETTORE AMP SUPERSEAL 6 POLI P.F.	1
6	-	395.764	GUSCIO X AMP SUPERSEAL 6 VIE	2
5	-	395.718	DOMINIO AMP	12
4	-	395.717	TERMINALE MASCHIO AMP SUPERSEAL	6
3	-	395.738	CONNETTORE AMP SUPERSEAL 6 POLI P.M.	1
2	-	154227	CAVLO PDSA MOBILE DR PWK 700.5	4.5MT
1	-	276110	GUAINA CORRUGATA TIPO PARSE 12	4.5MT
				0.to

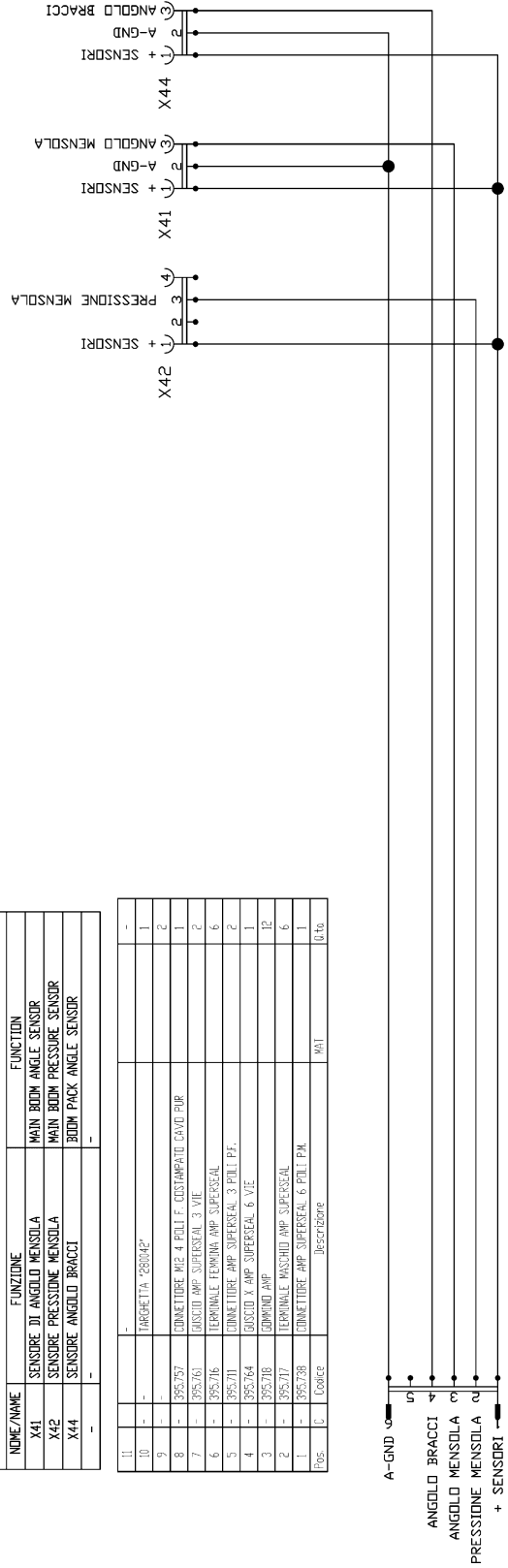




LEGENDA/LEGEND

NOME/NAME	FUNZIONE	FUNCTION
X41	SENSORE DI ANGOLO MENSOLA	MAIN BOOM ANGLE SENSOR
X42	SENSORE PRESSIONE MENSOLA	MAIN BOOM PRESSURE SENSOR
X44	SENSORE ANGOLO BRACCI	BOOM PACK ANGLE SENSOR
-	-	-

11	-	-	-
10	-	BARILETTA "28042"	1
9	-	-	2
8	395.757	CONNETTORE M2-4 POLI F. COSTANTE CAVID. POR	1
7	395.761	GIUNTO AMP. SUPERF. 3 VIE	2
6	395.716	TERMINALE FEMMINA AMP. SUPERF. 6	2
5	395.711	CONNETTORE AMP. SUPERF. 3 POLI P.F.	2
4	395.764	GIUNTO X AMP. SUPERF. 6 VIE	1
3	395.718	GIUNTO AMP.	12
2	395.717	TERMINALE MASCHILE AMP. SUPERF. 6	6
1	395.738	CONNETTORE AMP. SUPERF. 6 POLI P.A.	1
Pos	C	Colore	Whi
		Descrizione	U.to

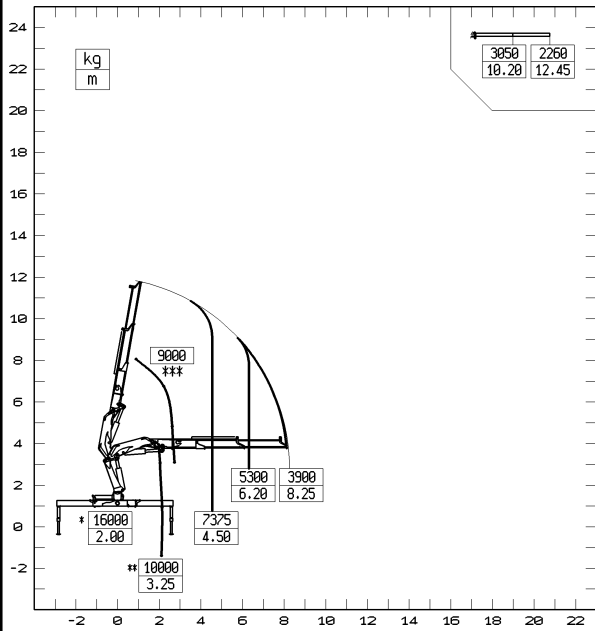
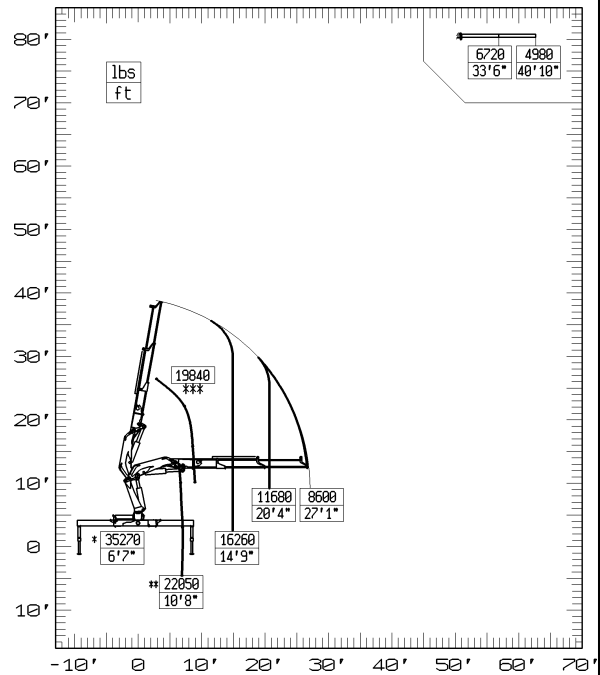


4: DIAGRAMMI PORTATE

4: LOAD CHARTS

35022 S PT

lbs
—
ft



kg
—
m

* PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK

** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK

*** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

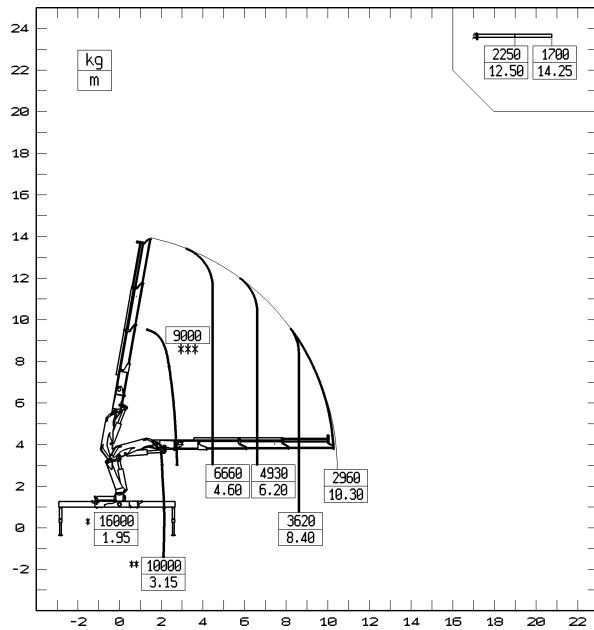
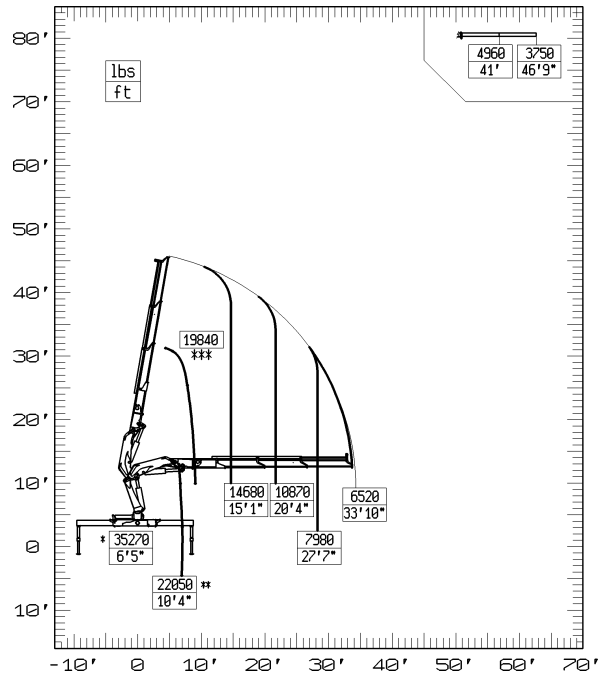
NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°

NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

Par. 4
R. 00

35023 S PT

lbs
ft



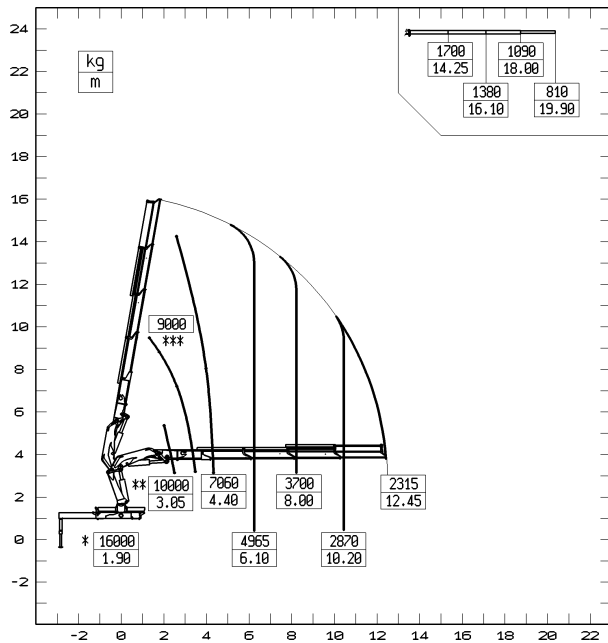
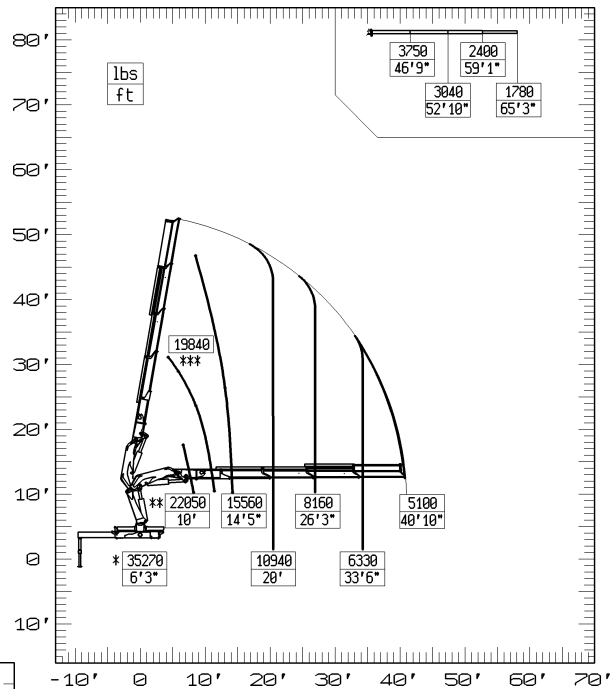
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCI PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

35024 S PT

lbs
ft



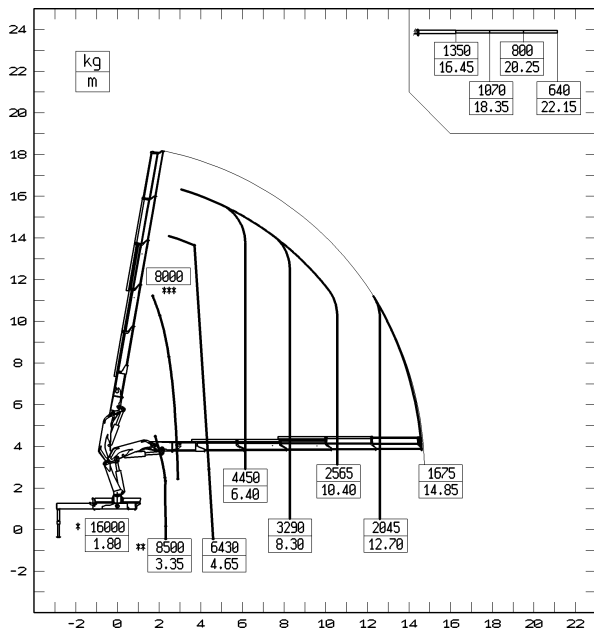
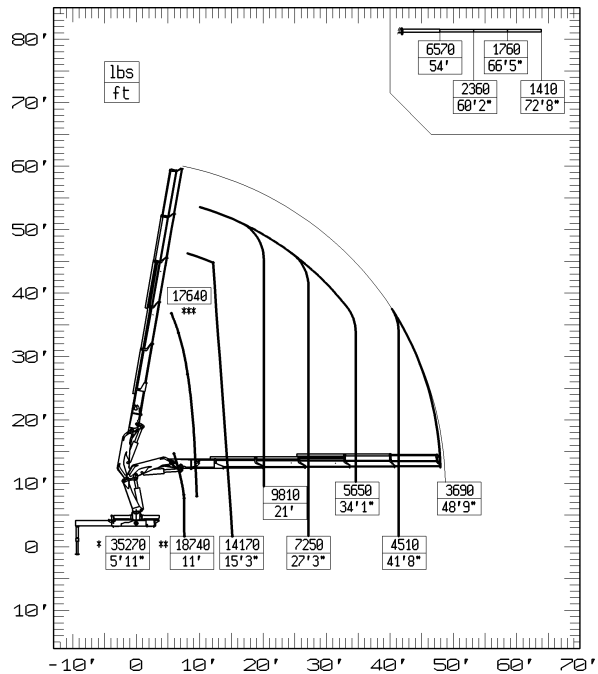
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

35025 S PT

lbs
ft



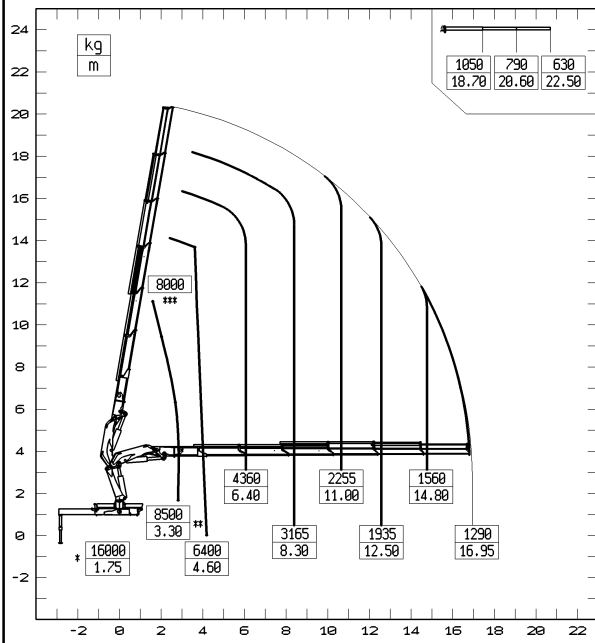
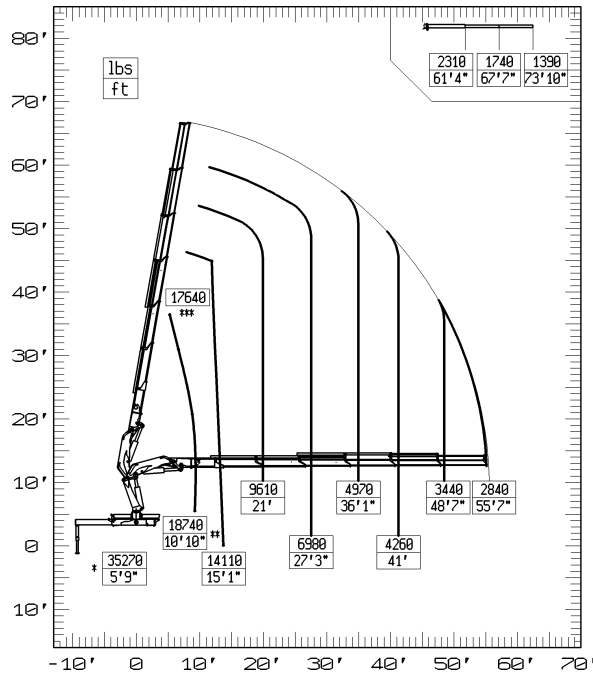
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

35026 S PT

lbs
ft



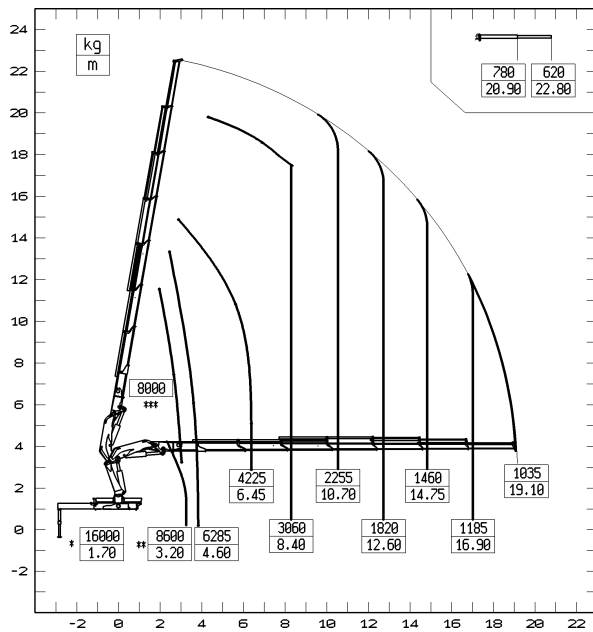
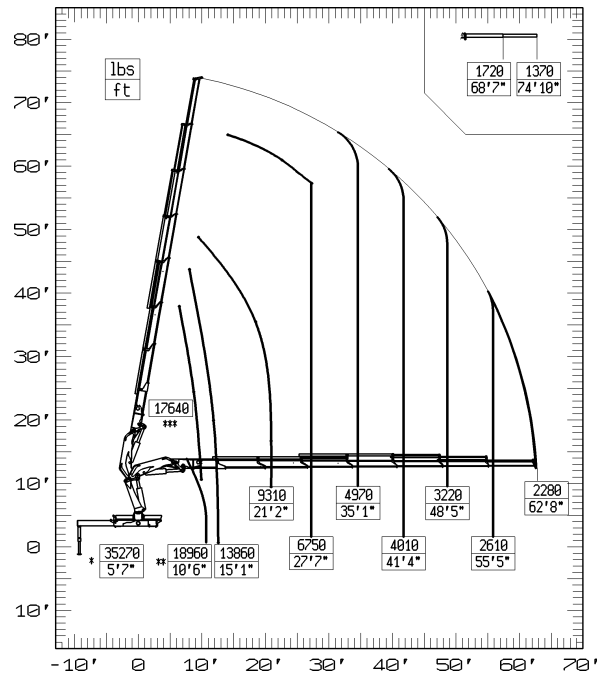
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

35027 S PT

lbs
ft



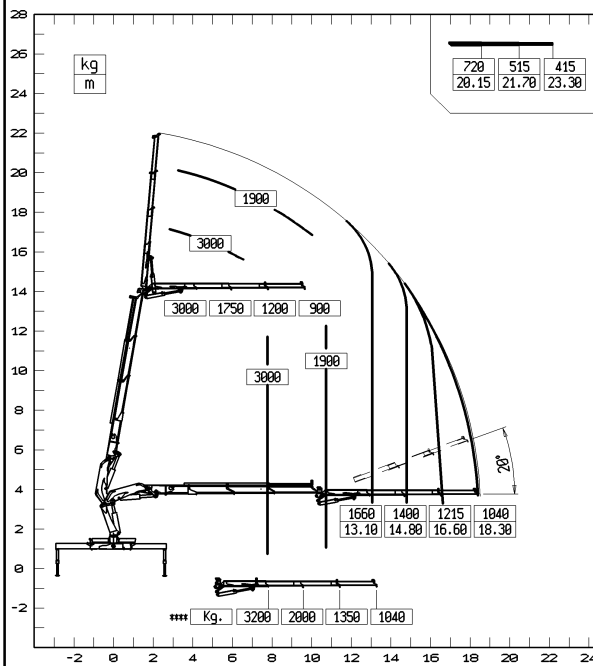
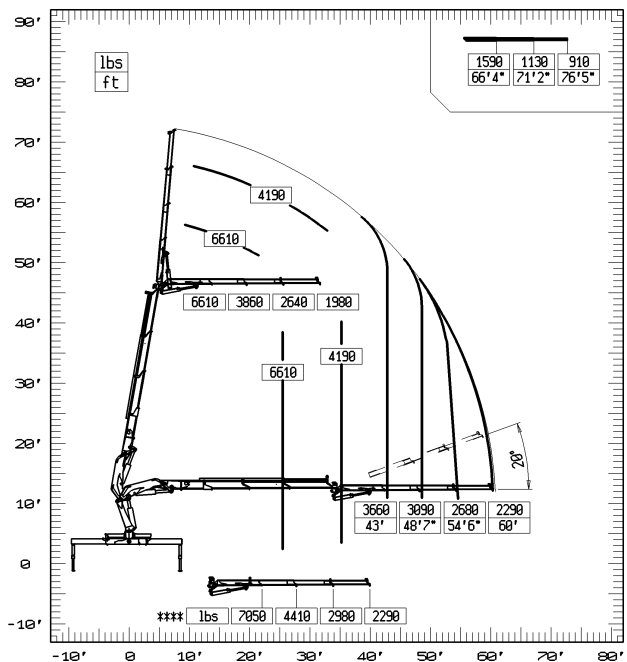
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

35023 S PT + J903

lbs
—
ft



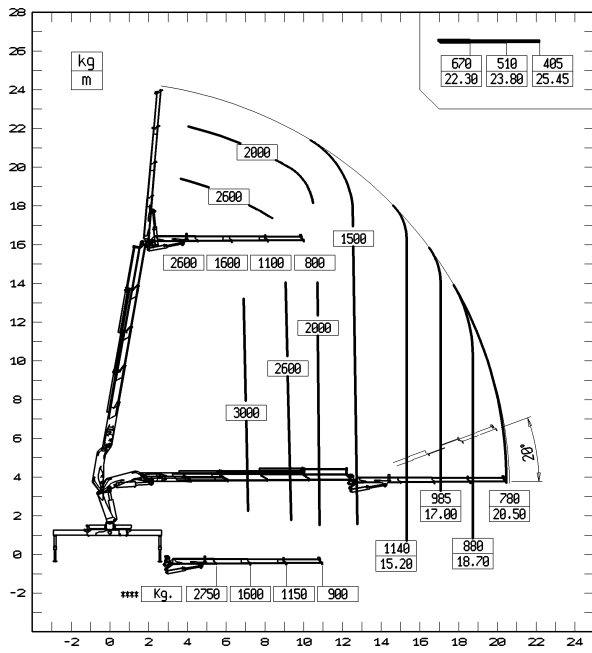
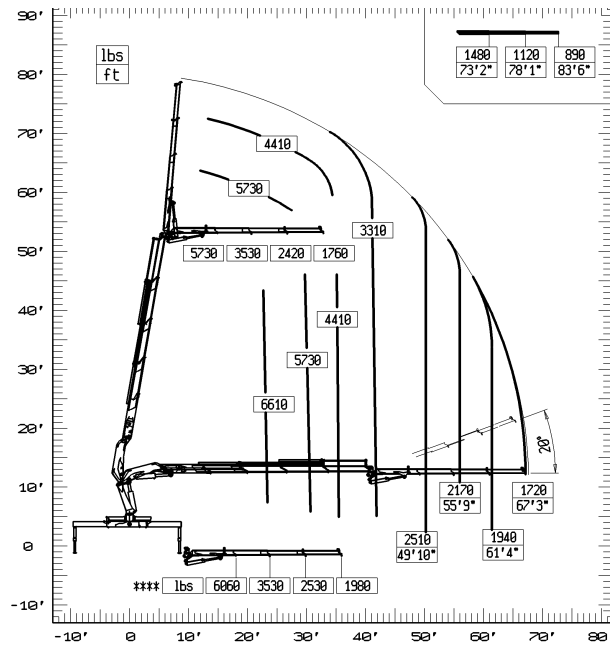
kg
—
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

35024 S PT + J903

lbs
ft



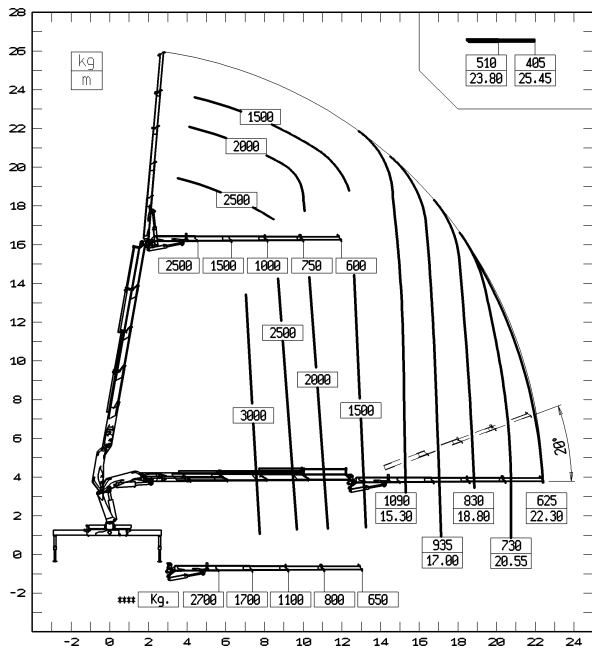
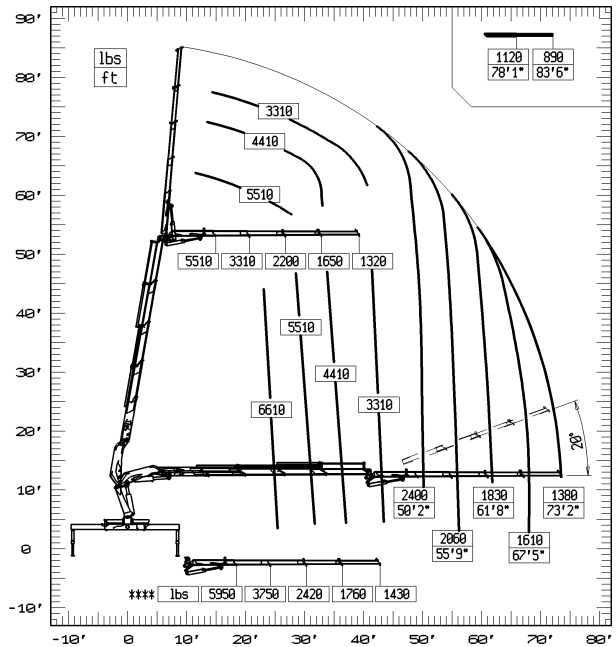
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

35024 S PT + J904

lbs
ft



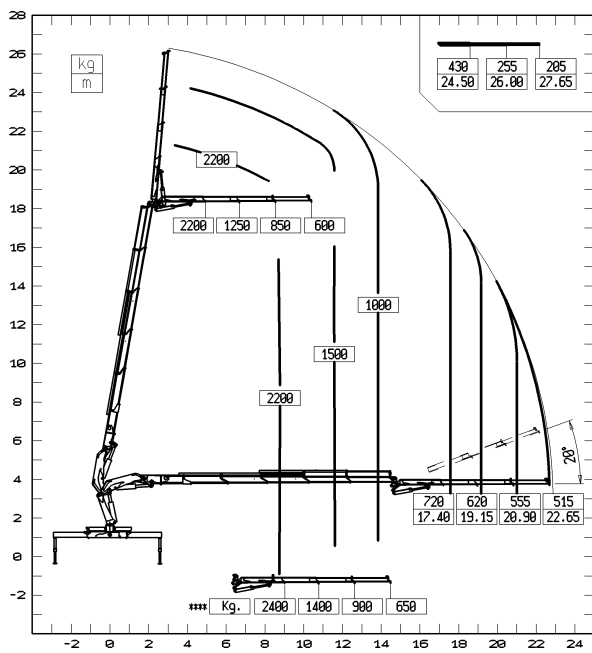
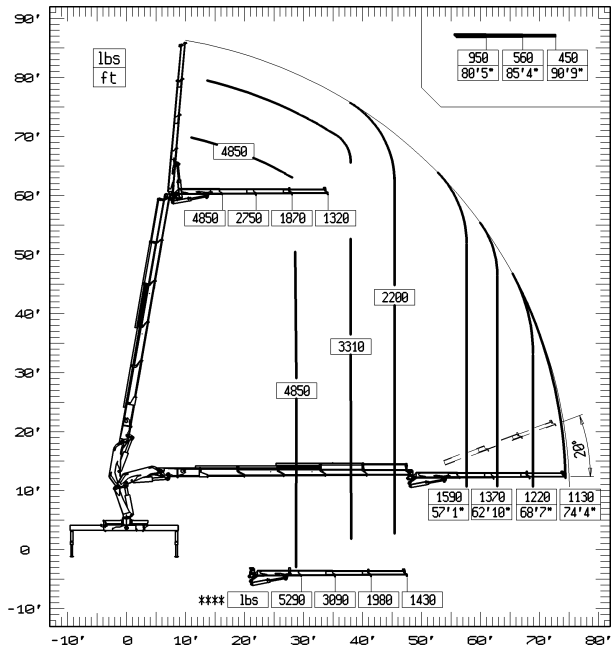
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

35025 S + J903 PT

lbs
ft



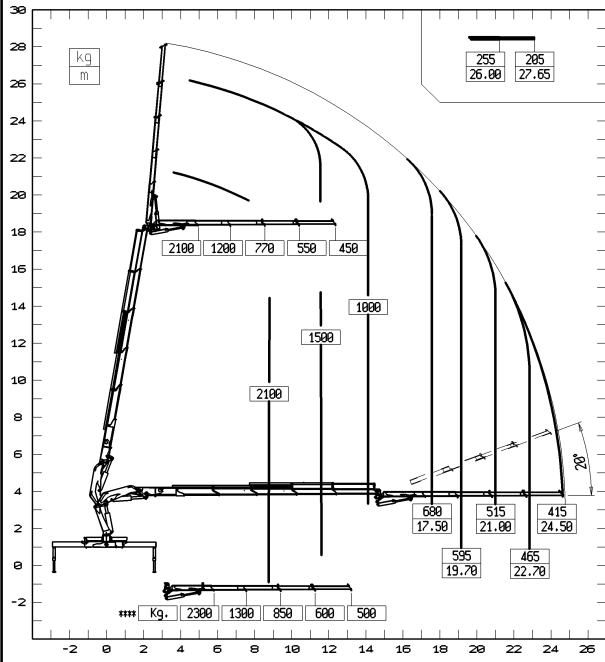
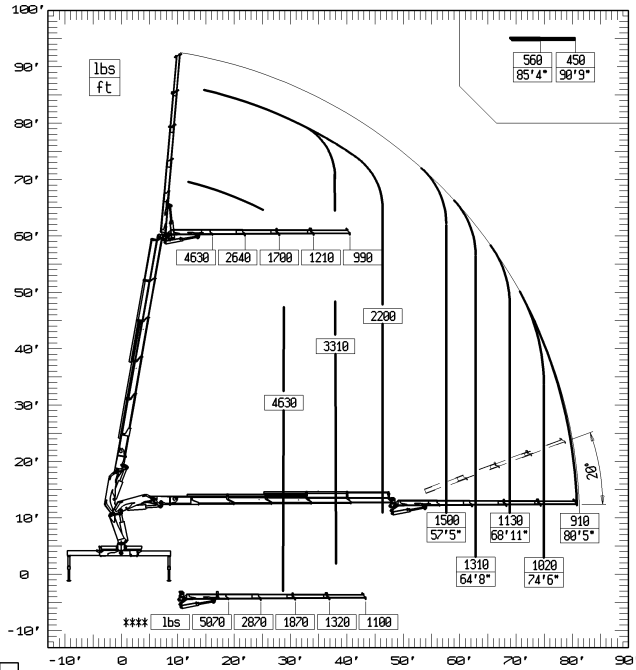
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

35025 S PT + J904

lbs
ft



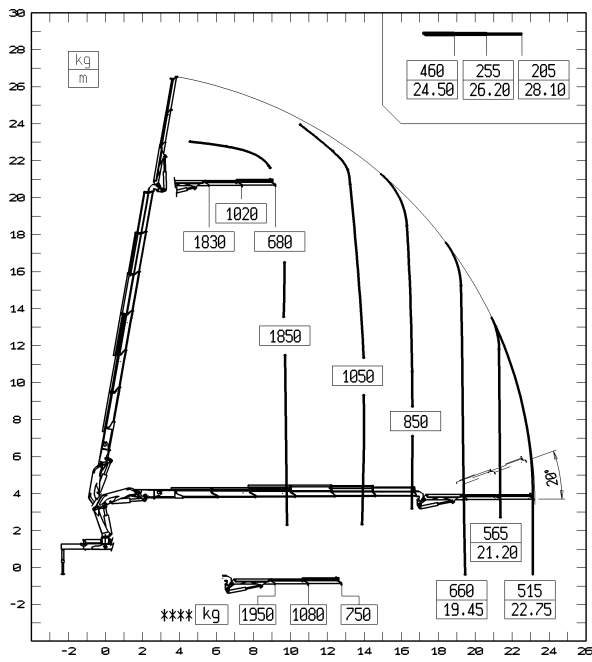
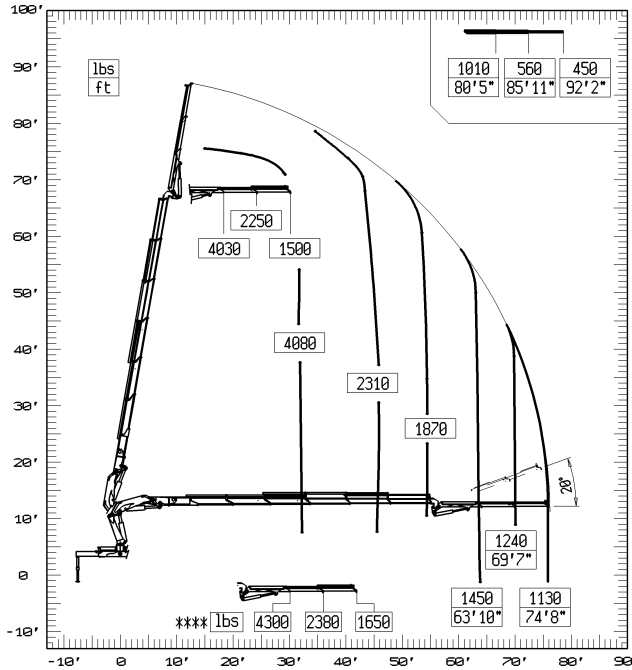
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

35026 S PT + J702

lbs
ft



kg
m

* PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK

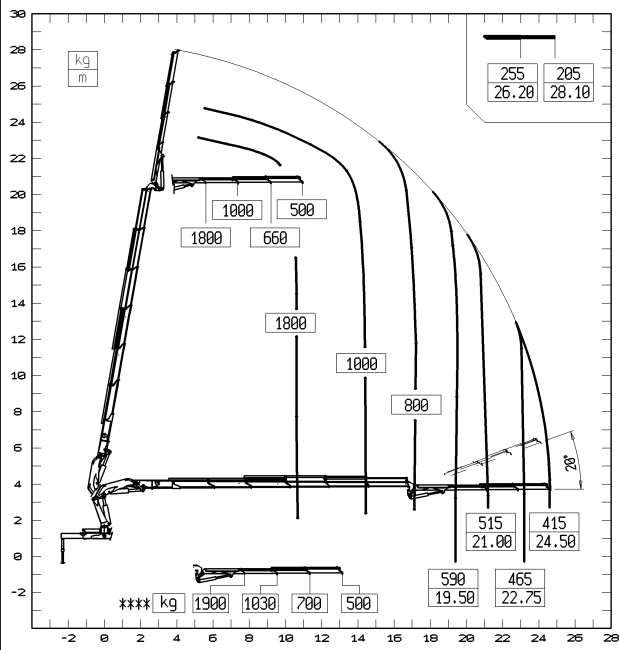
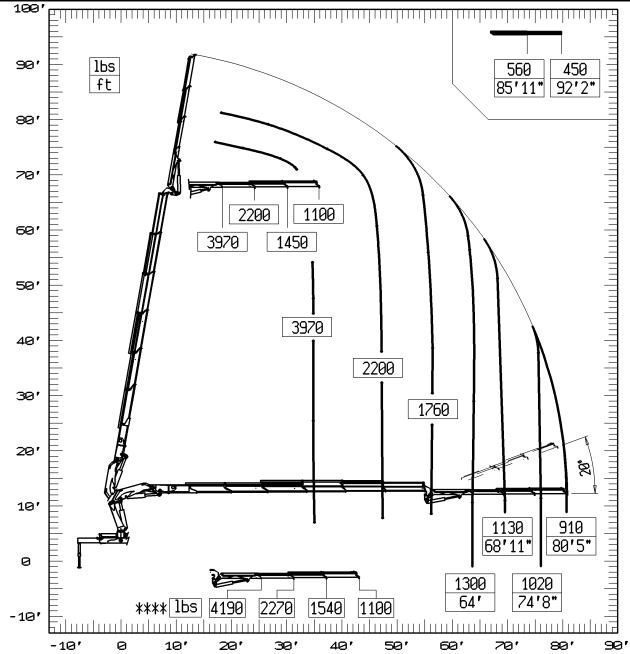
** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK

*** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCI PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

35026 S PT + J703

lbs
ft



kg
m

* PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK

** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK

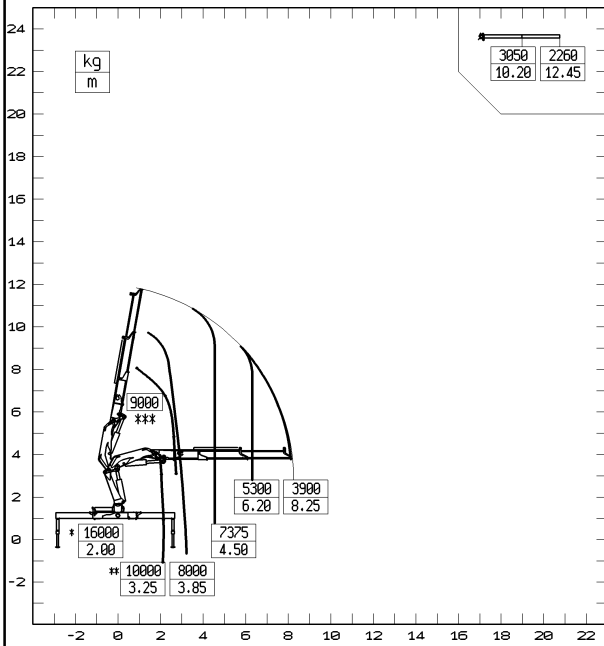
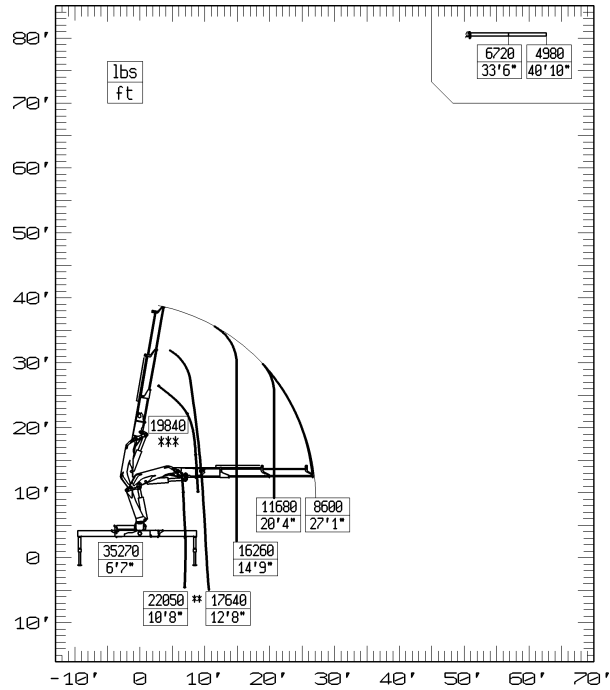
*** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCI PRINCIPALE A 15°

NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

35022 S PT LC

lbs
ft



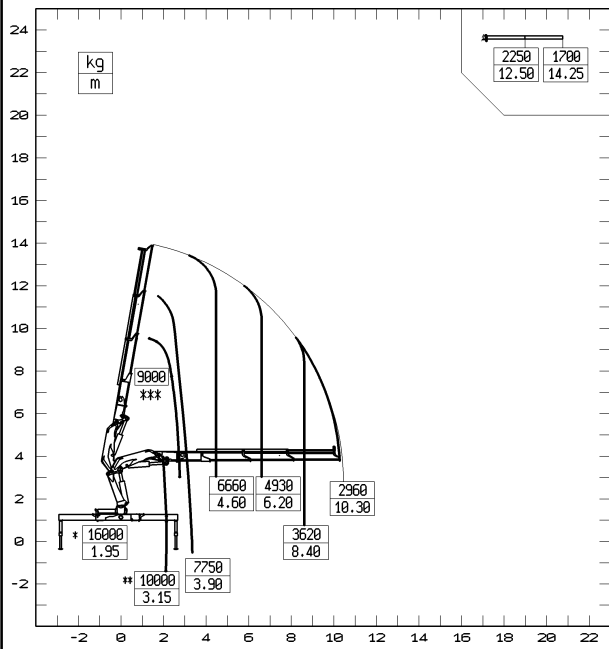
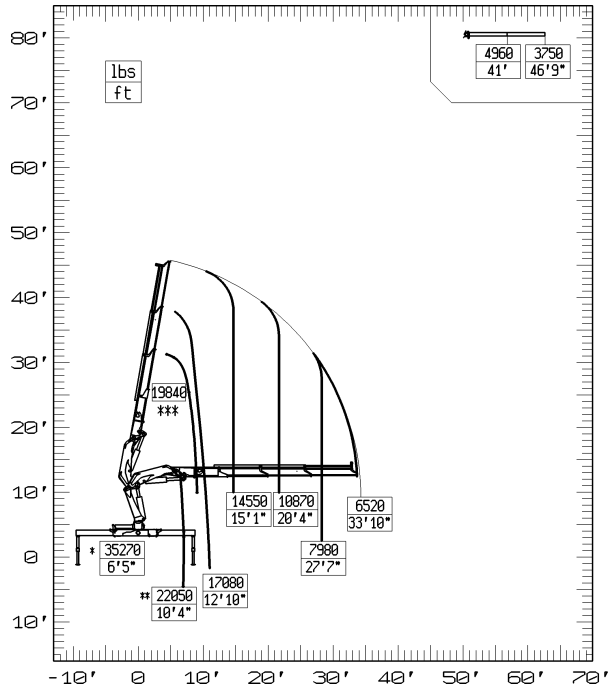
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCI PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

35023 S PT LC

lbs
ft



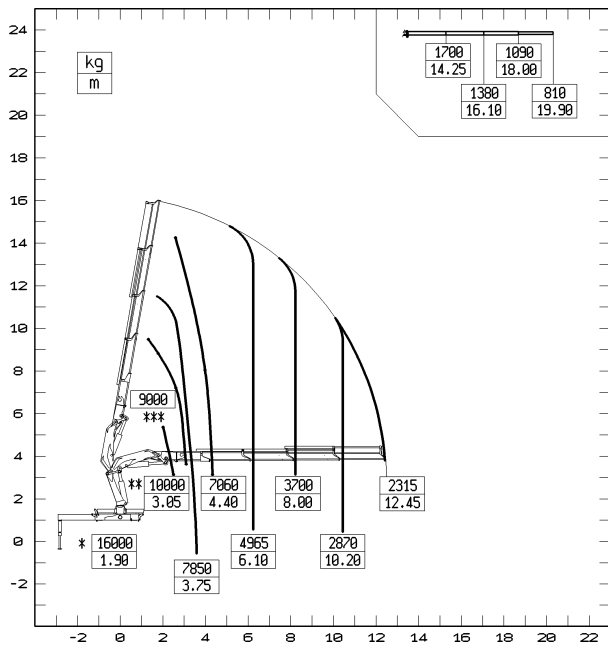
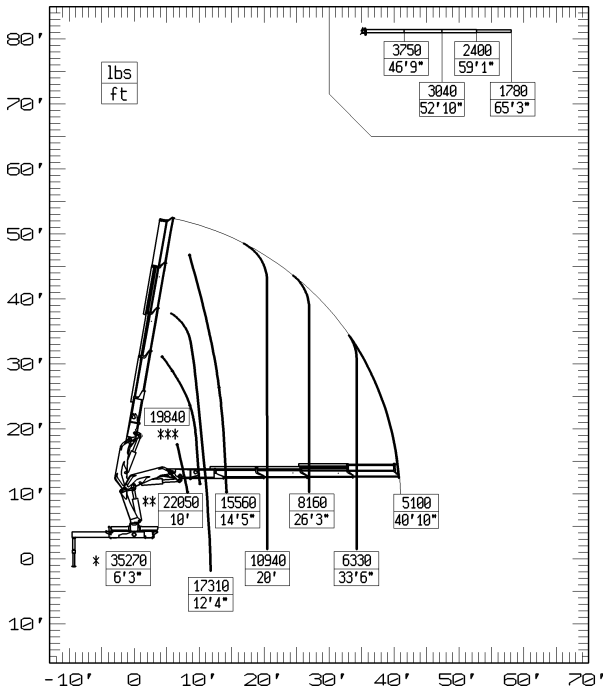
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

35024 S PT LC

lbs
ft



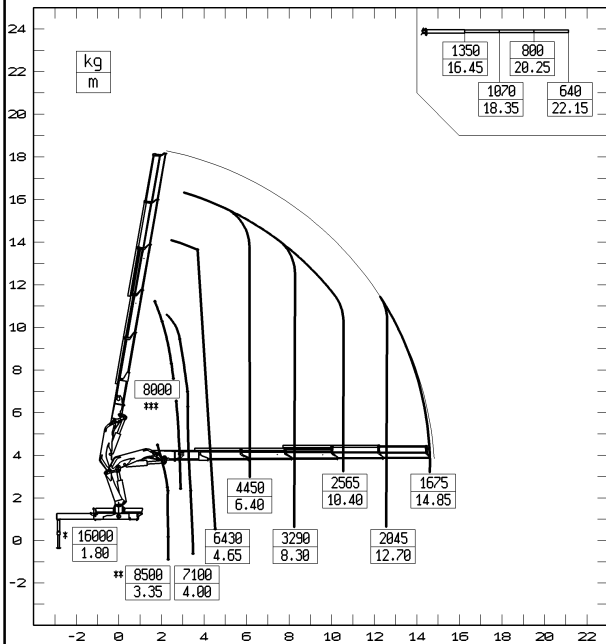
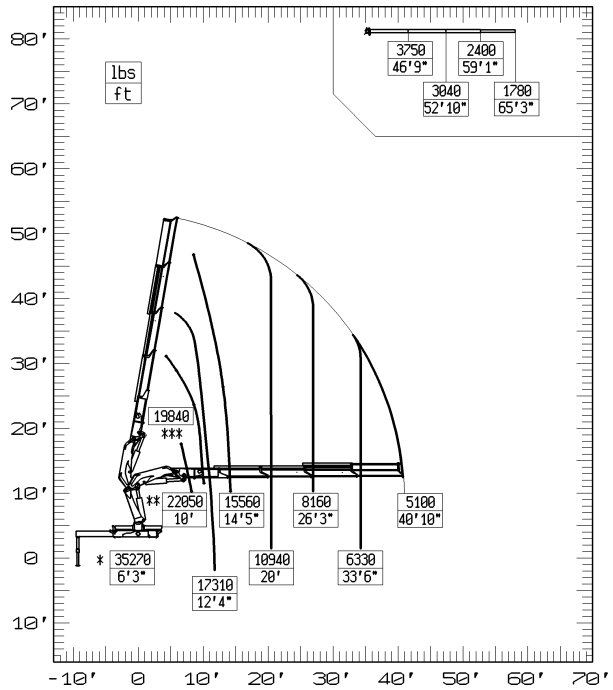
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

35025 S LC PT

lbs
ft



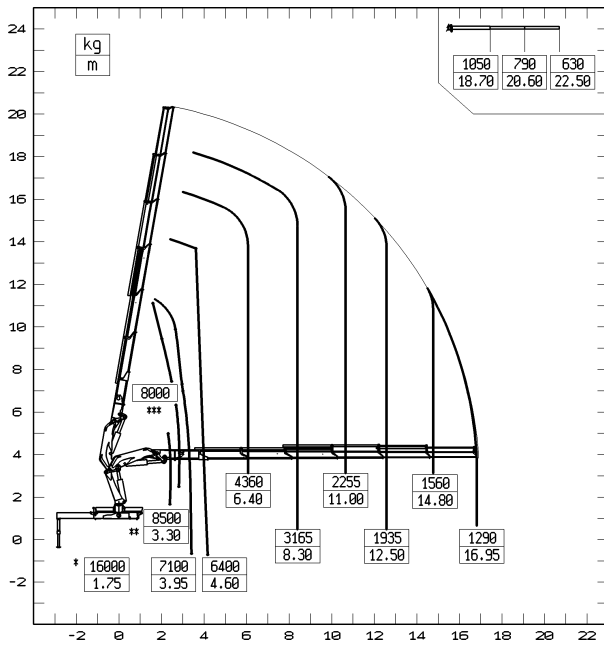
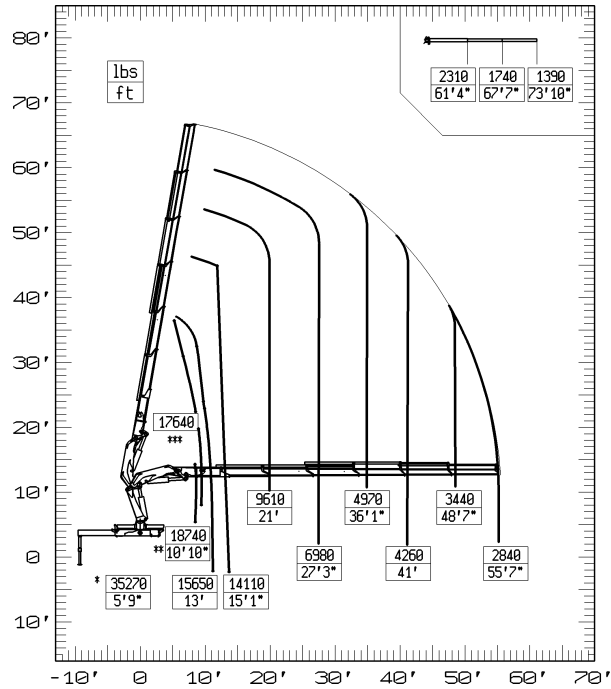
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

35026 S PT LC

lbs
ft



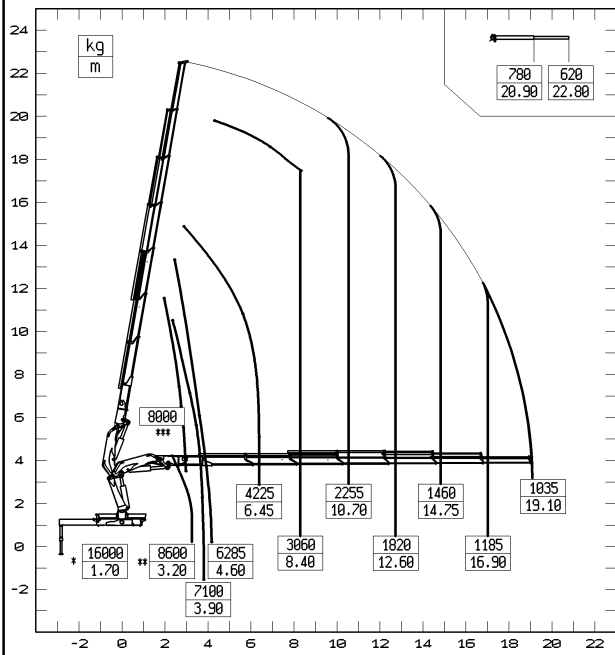
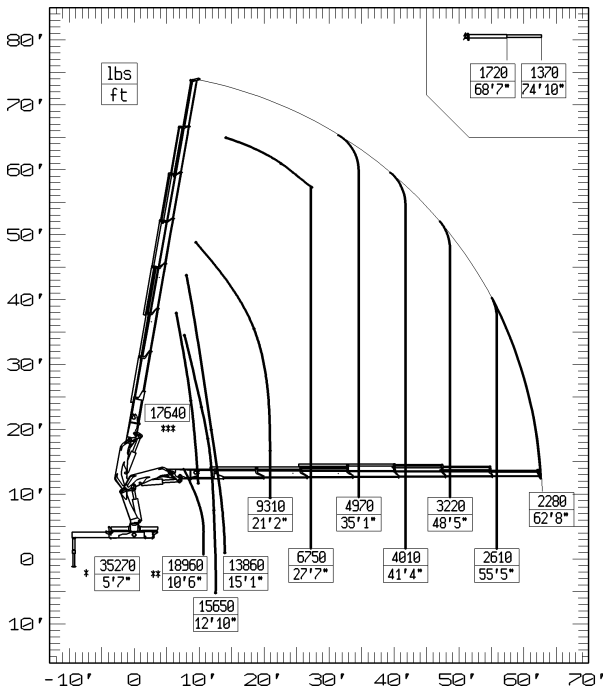
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

35027 S PT LC

lbs
ft



kg
m

* PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK

** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK

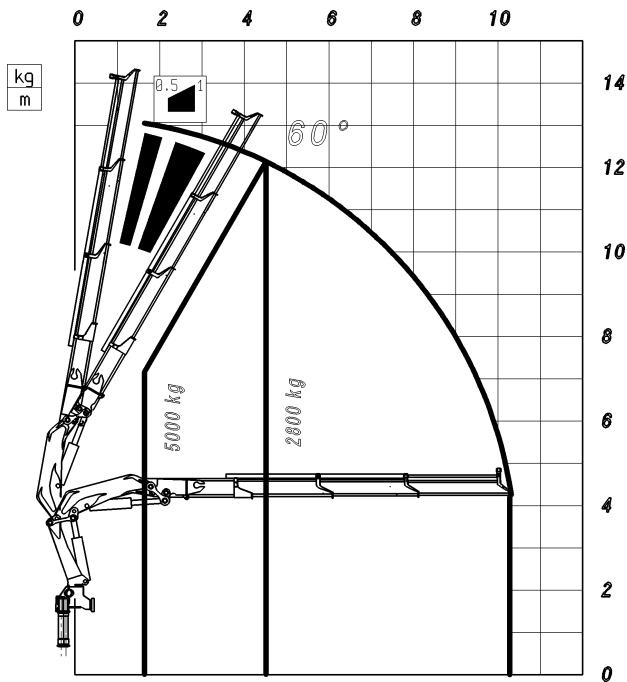
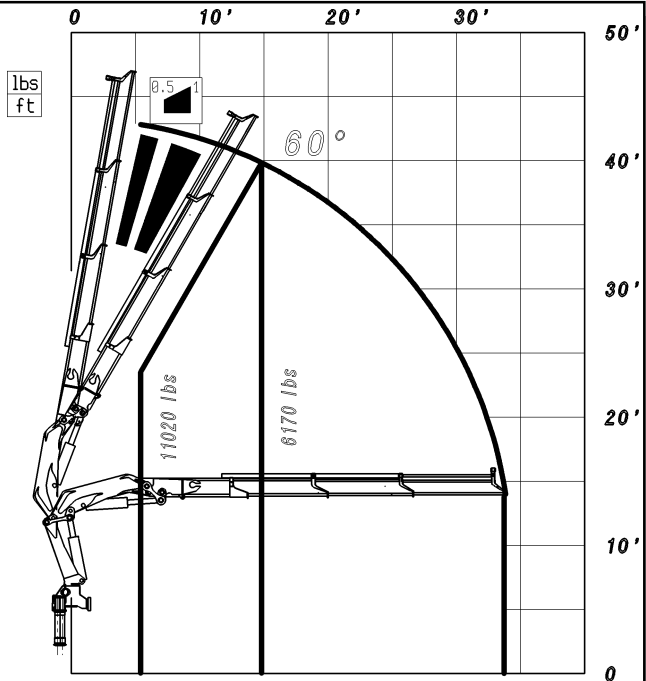
*** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°

NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

**35023 S PT
+ Verricello**

lbs
ft



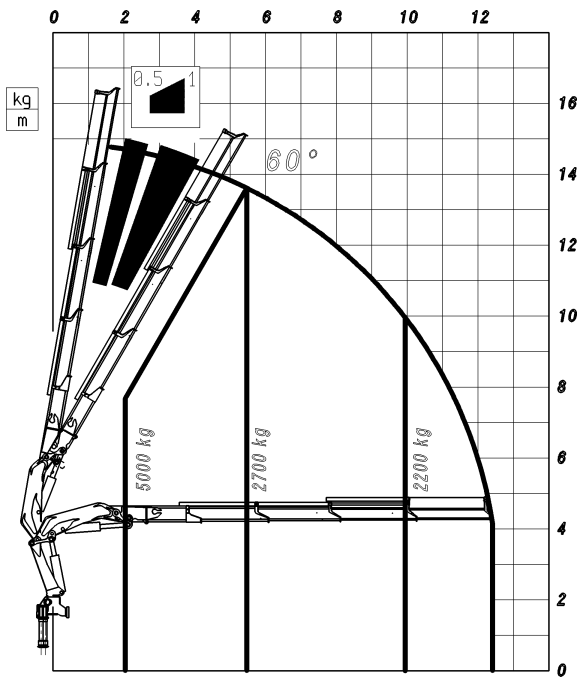
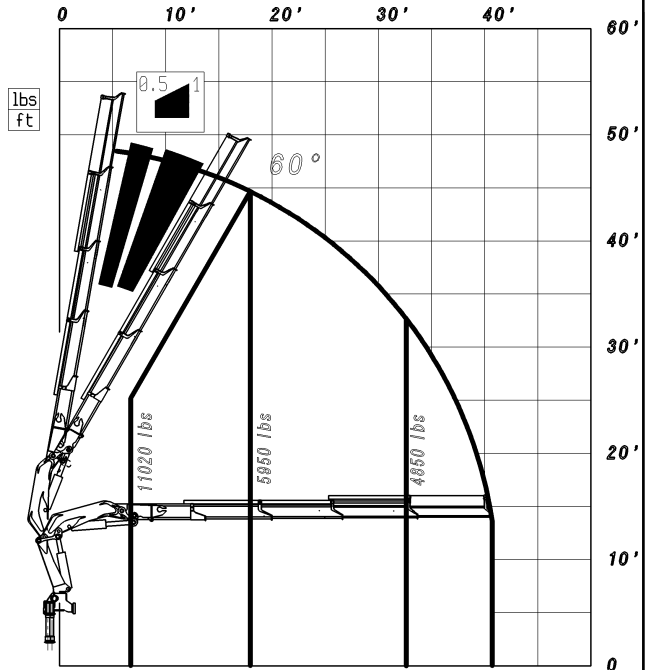
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCI PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

35024 S PT + Verricello

lbs
ft



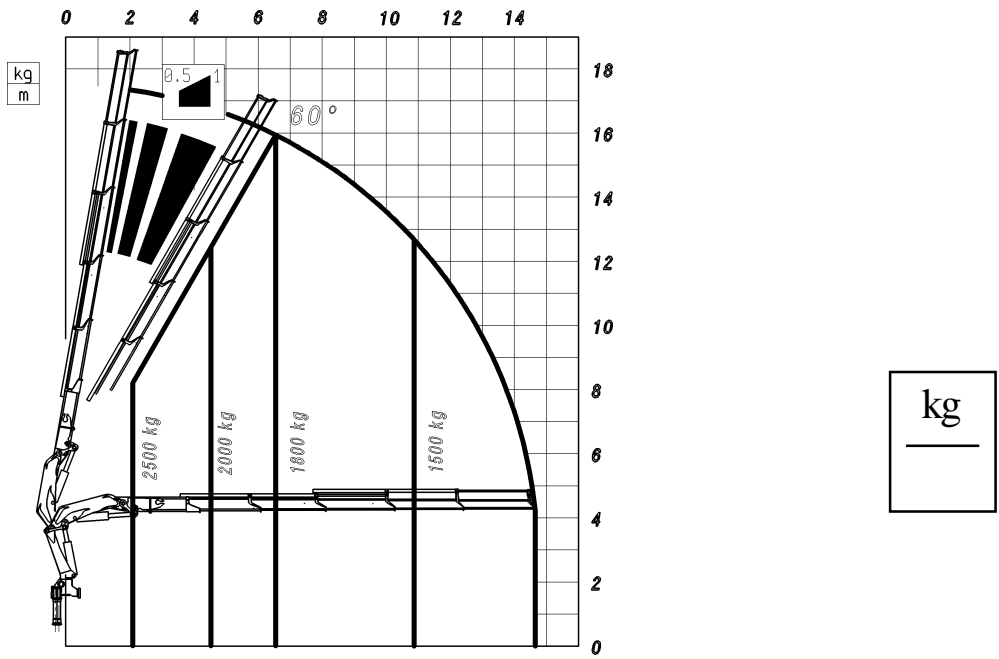
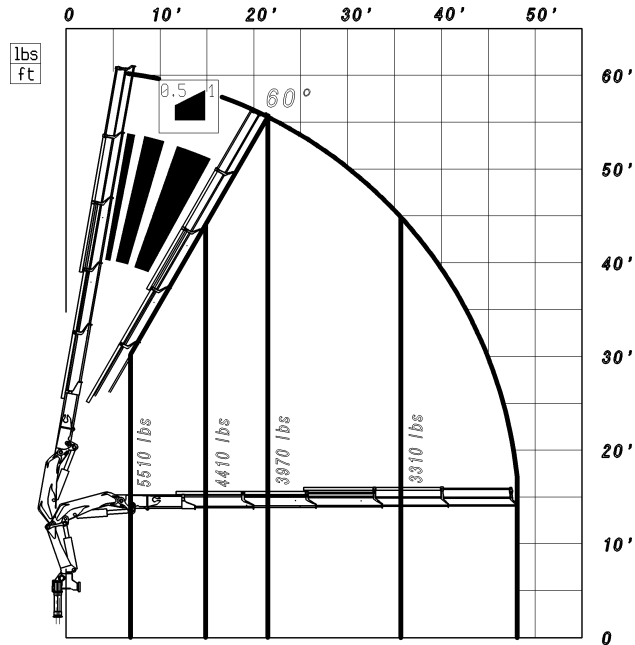
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCI PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

**35025 S PT
+ Verricello**

lbs
ft



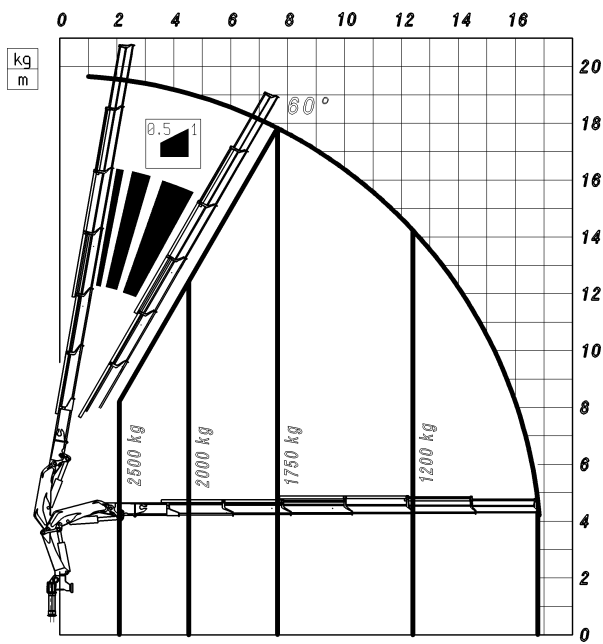
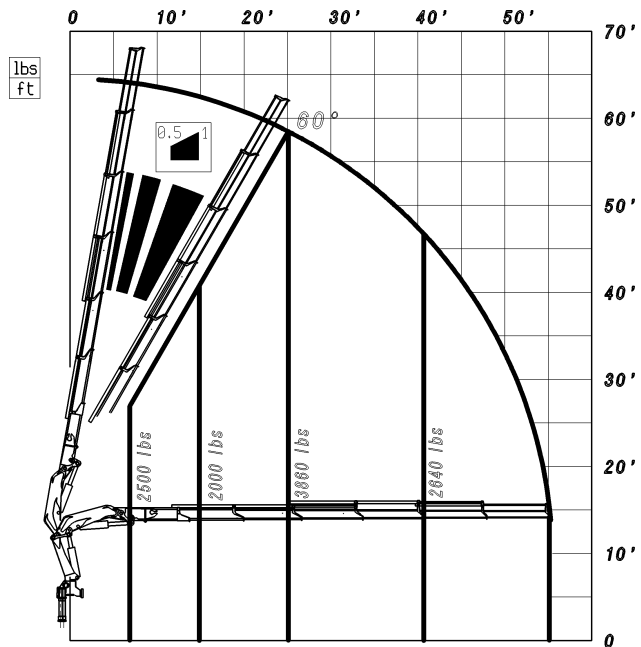
kg

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCI PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

35026 S PT + Verricello

lbs
ft



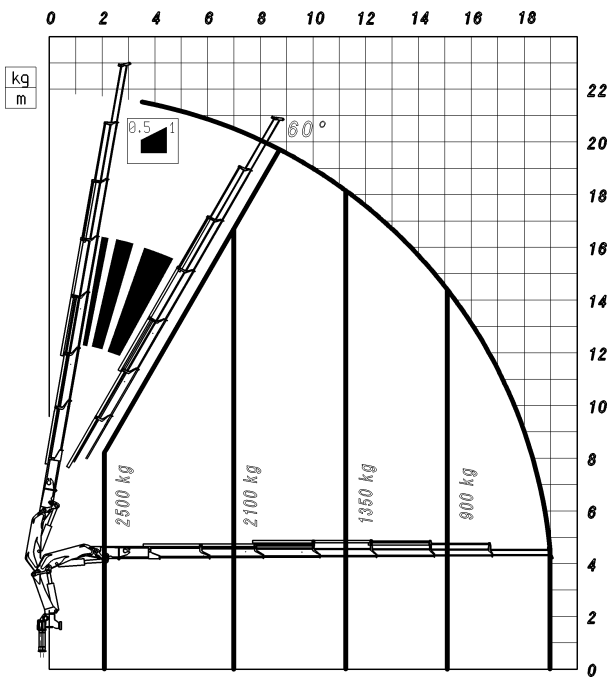
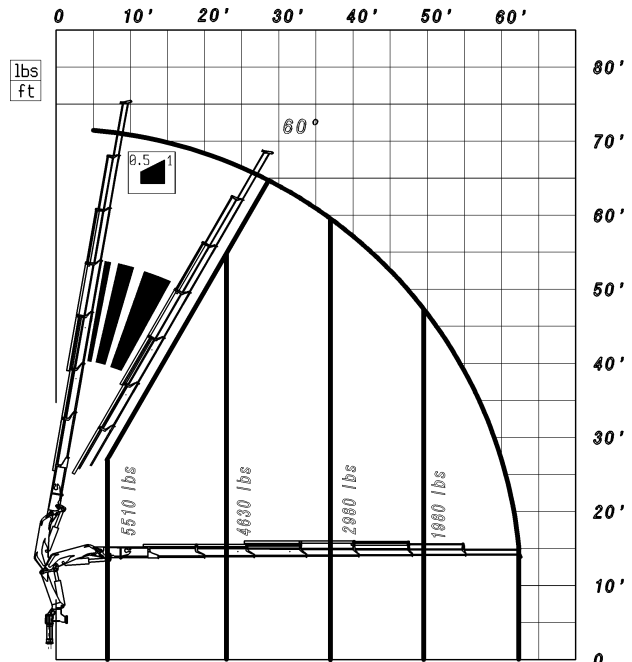
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCI PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

35027 S PT + Verricello

lbs
ft



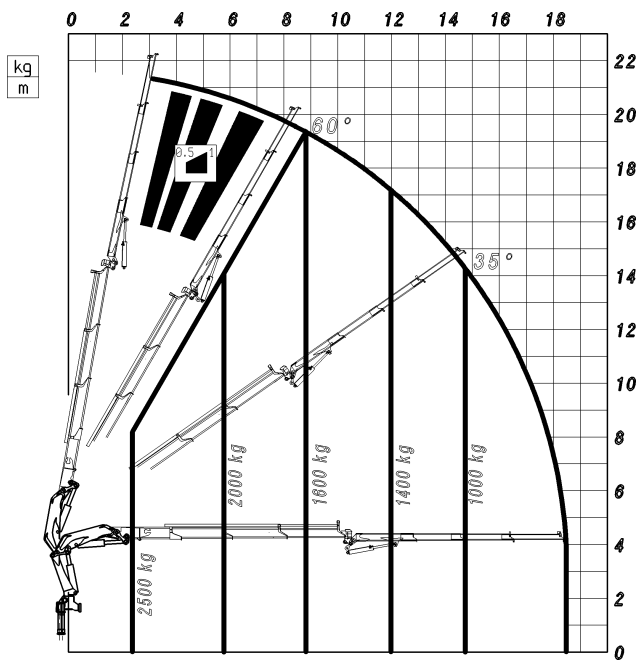
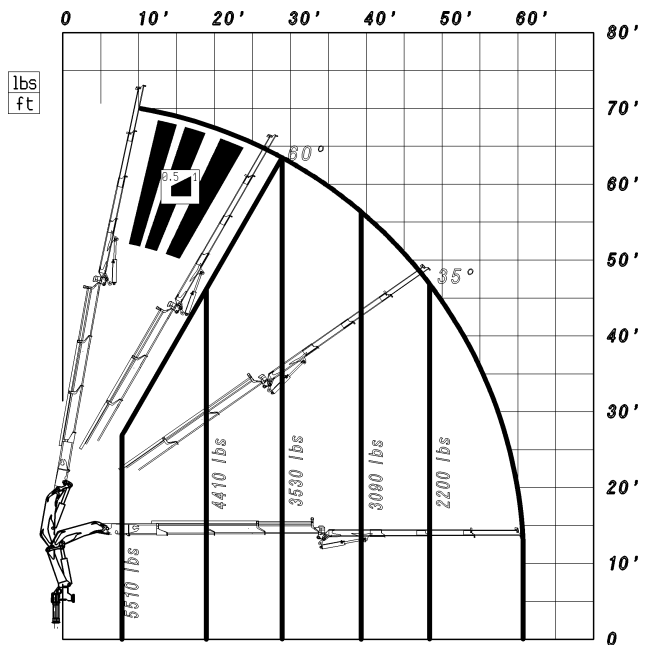
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCI PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

**35023 S PT + J903
+ Verricello**

lbs
ft



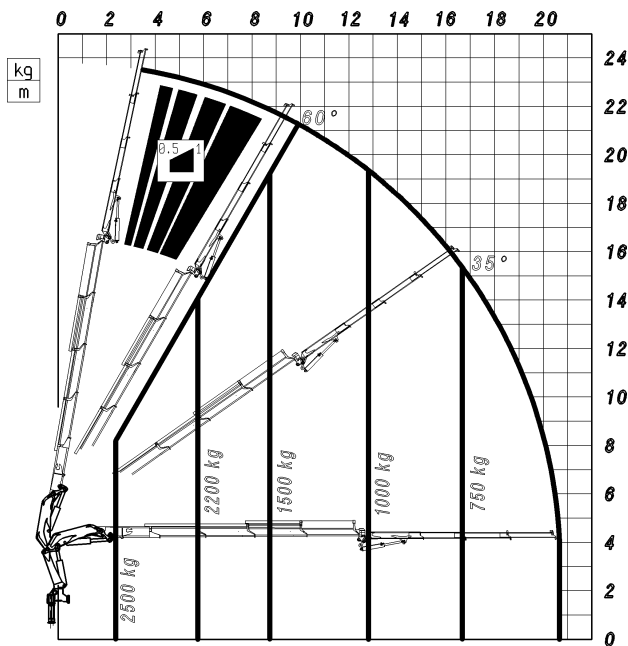
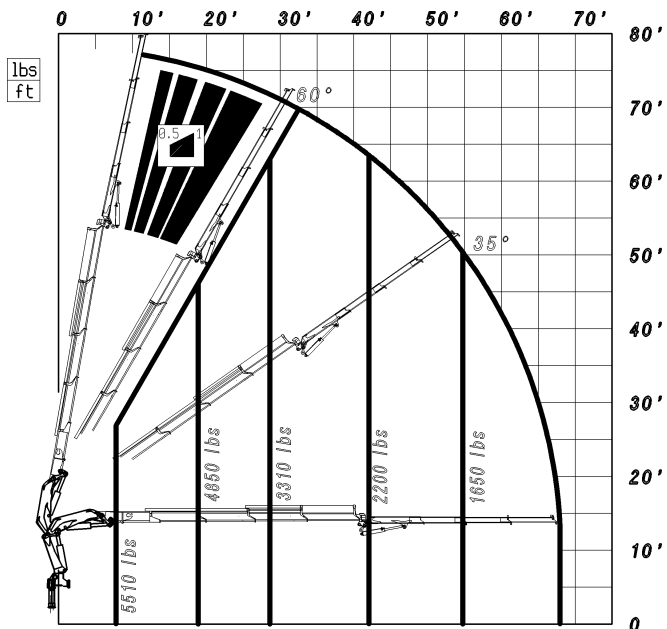
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCI PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

**35024 S PT + J903
+ Verricello**

lbs
ft



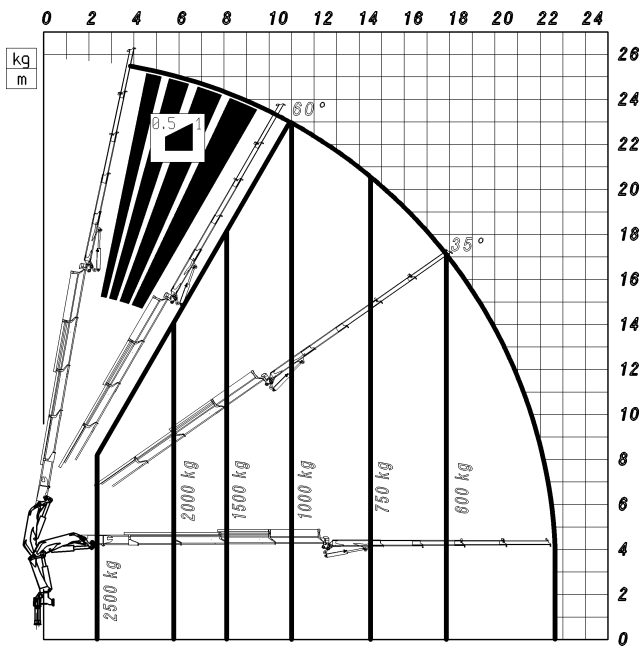
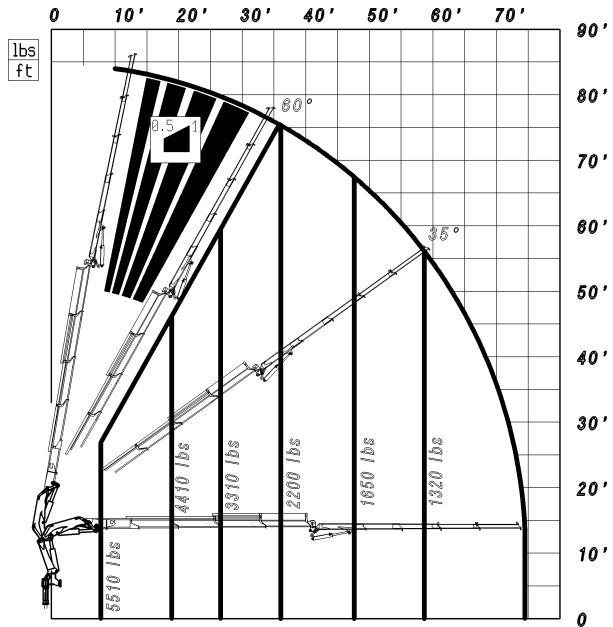
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCI PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

**35024 S PT + J904
+ Verricello**

lbs
ft



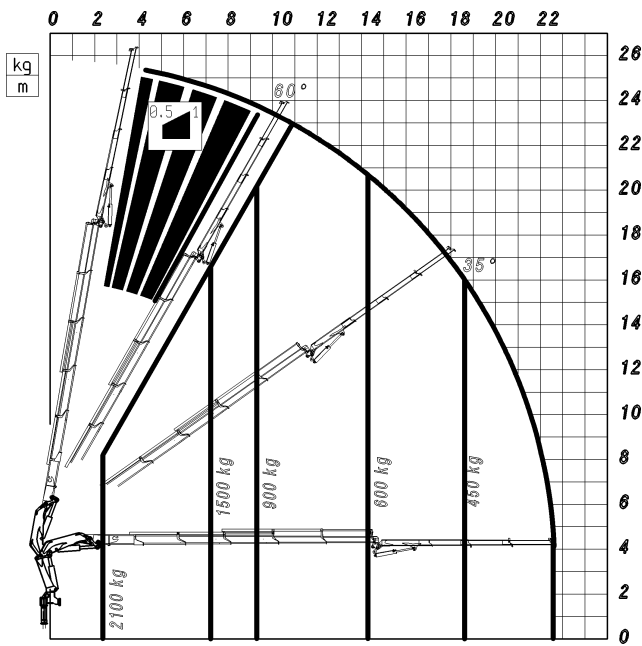
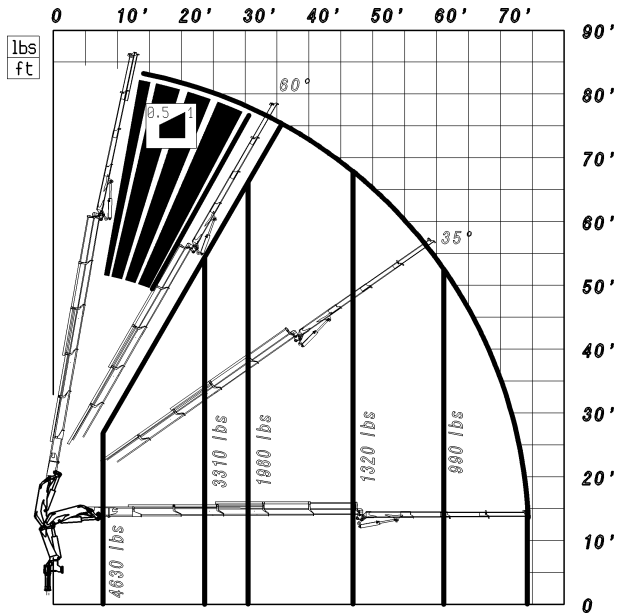
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCI PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

**35025 S + J 903
+ Verricello PT**

lbs
ft



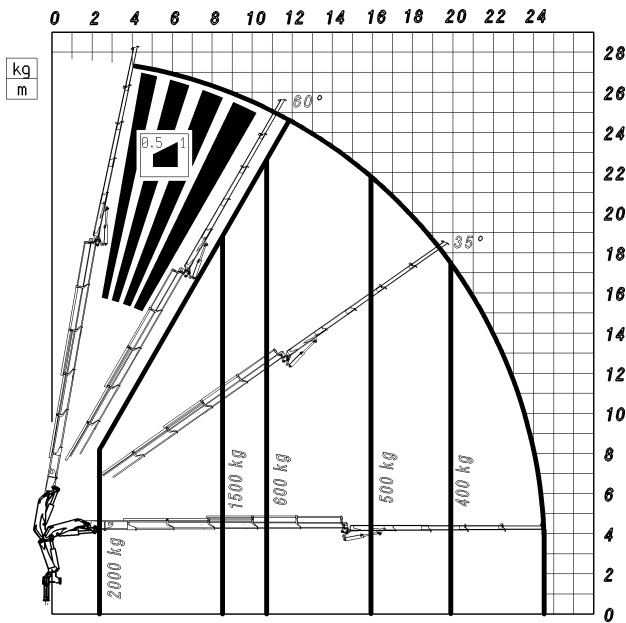
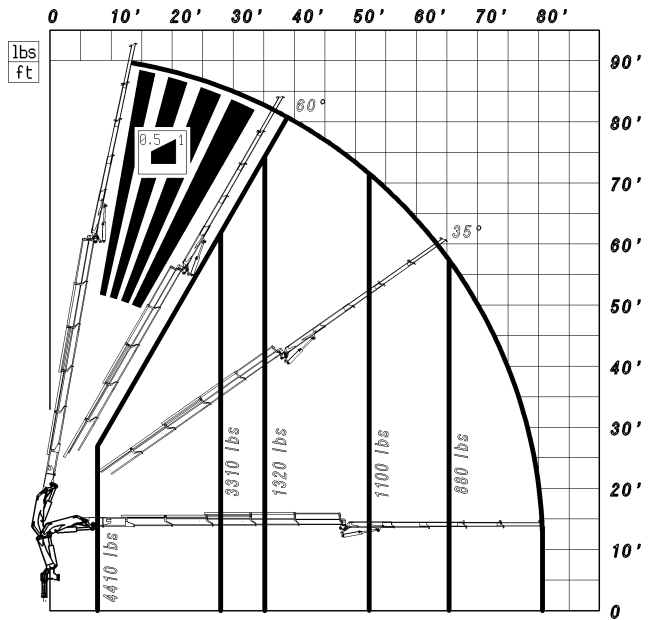
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCI PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

**35025 S PT + J904
+ Verricello**

lbs
ft



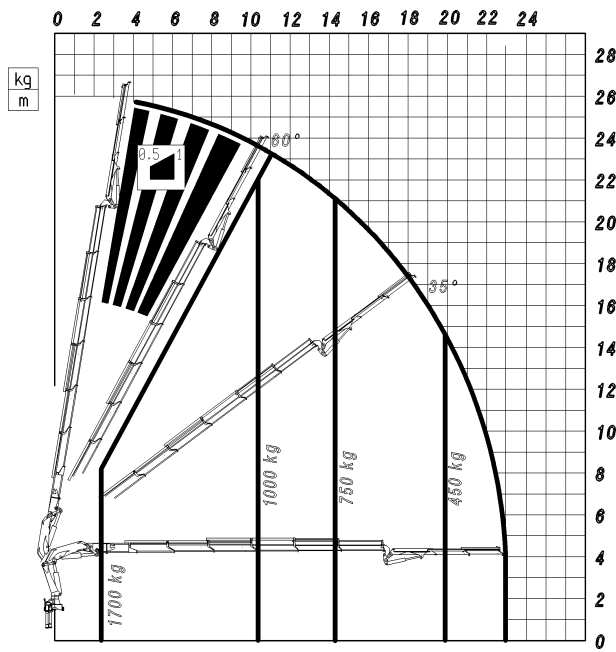
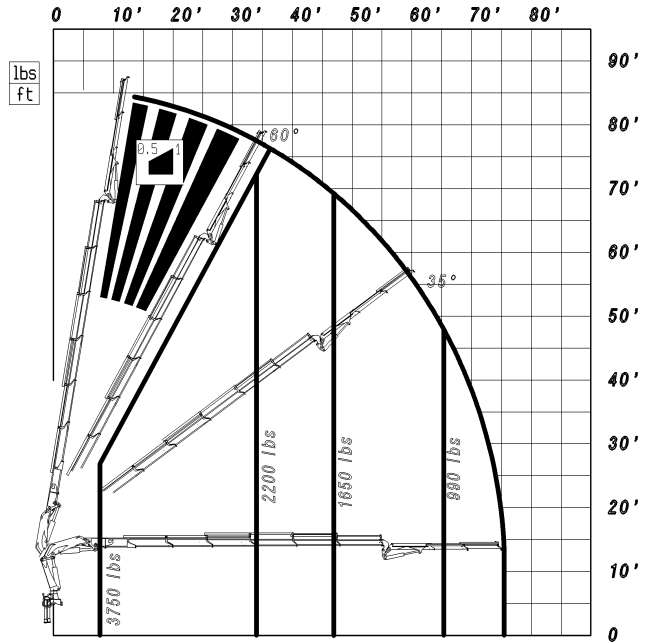
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCI PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

**35026 S PT + J702
+ Verricello**

lbs
ft



kg
m

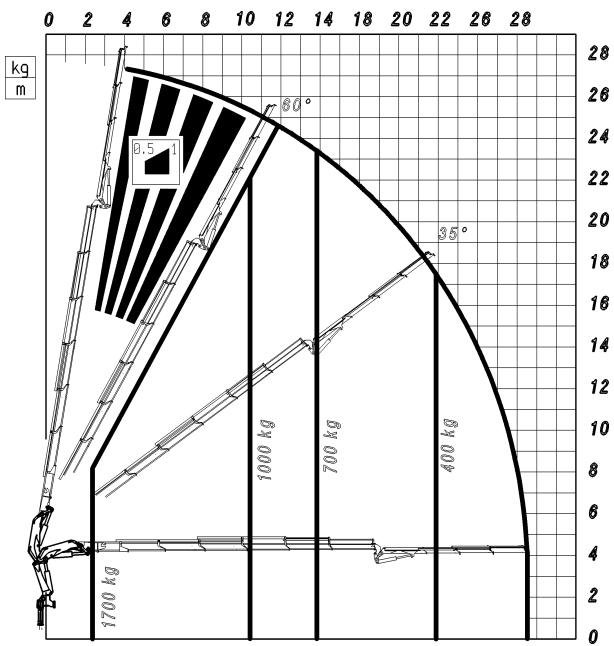
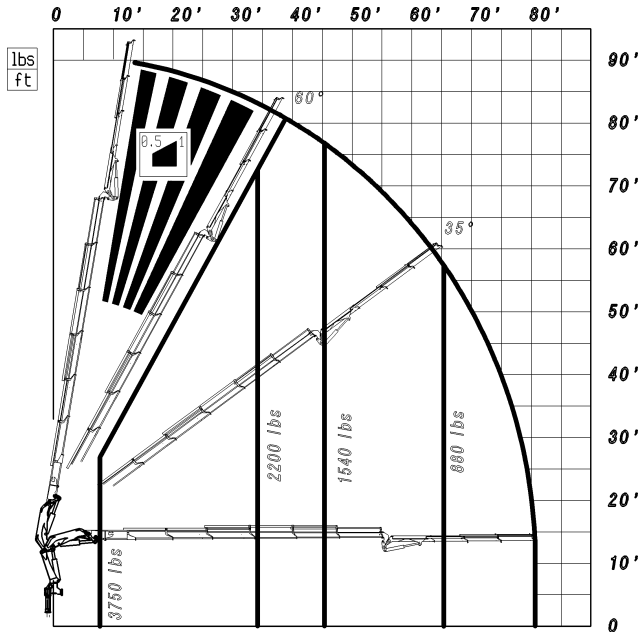
- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCI PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

**35026 S PT + J703
+ Verricello**

lbs

ft



kg

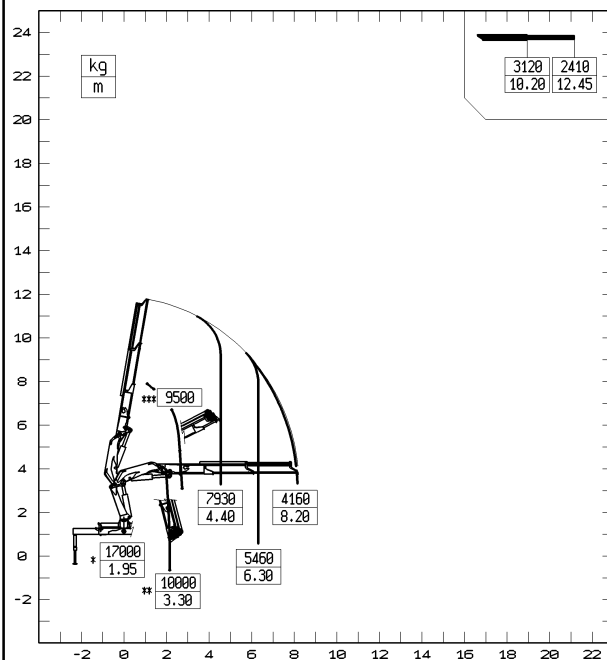
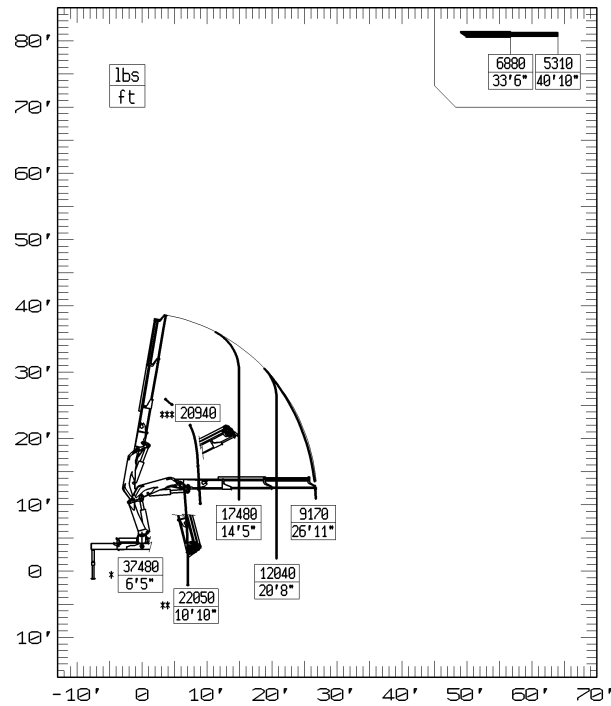
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCI PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

40022 SP PT

lbs
—
ft



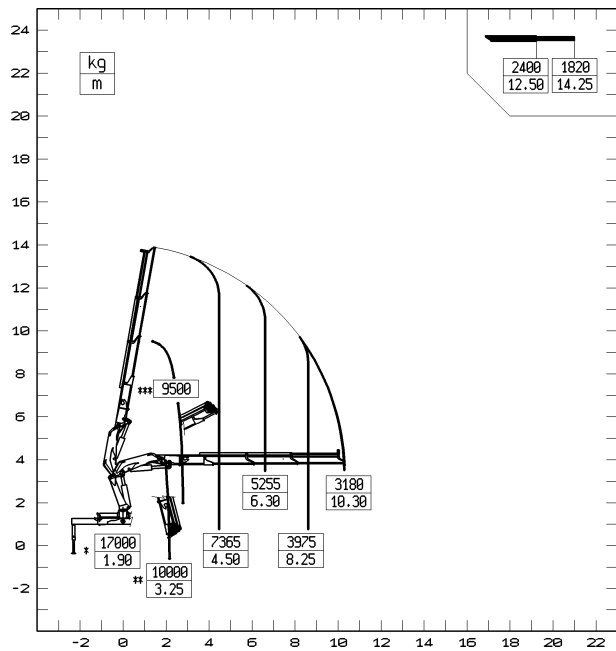
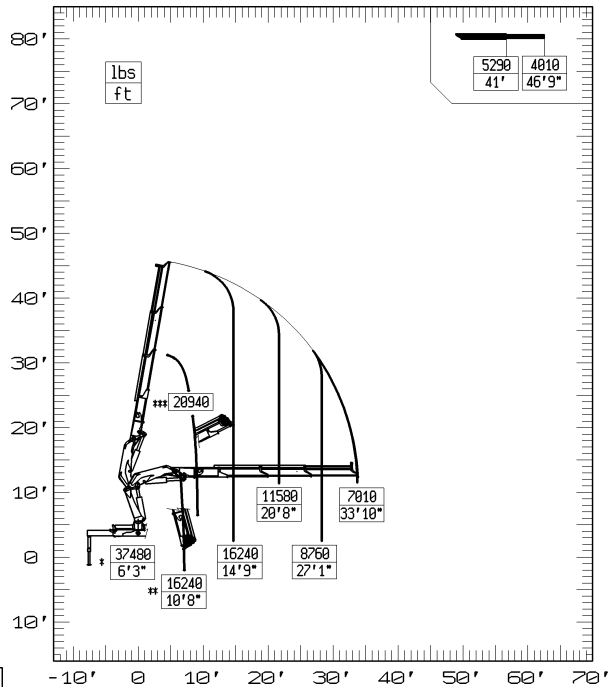
kg
—
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

40023 SP PT

lbs
ft



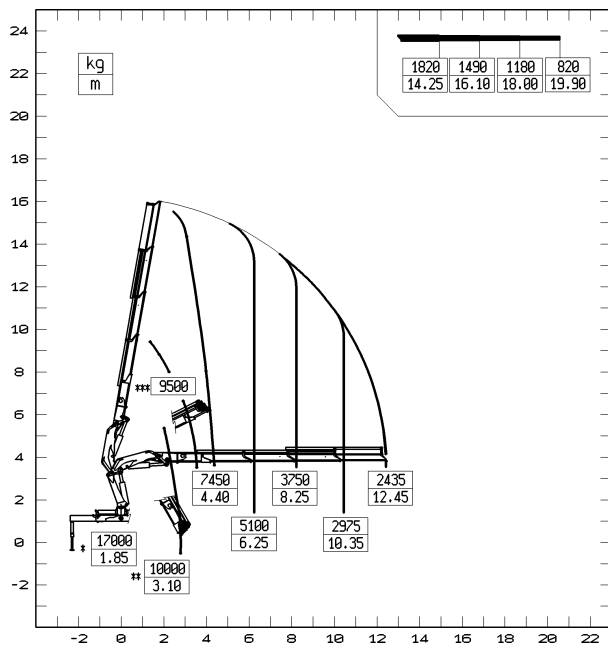
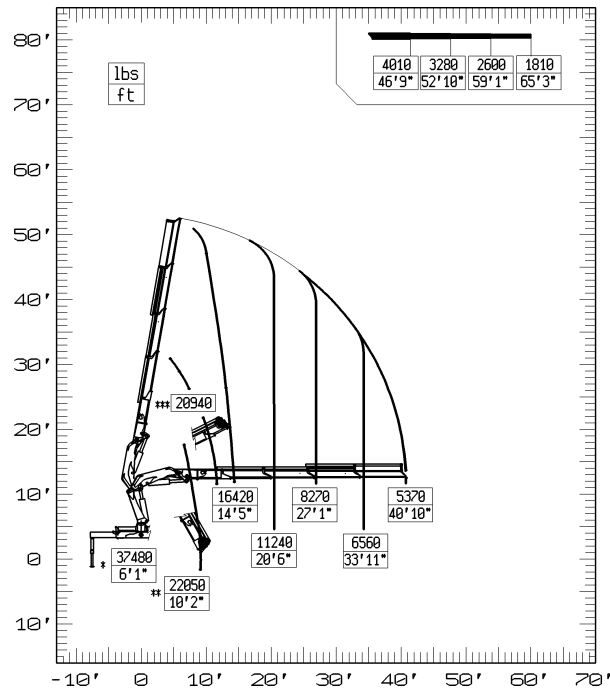
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

40024 SP PT

lbs
ft



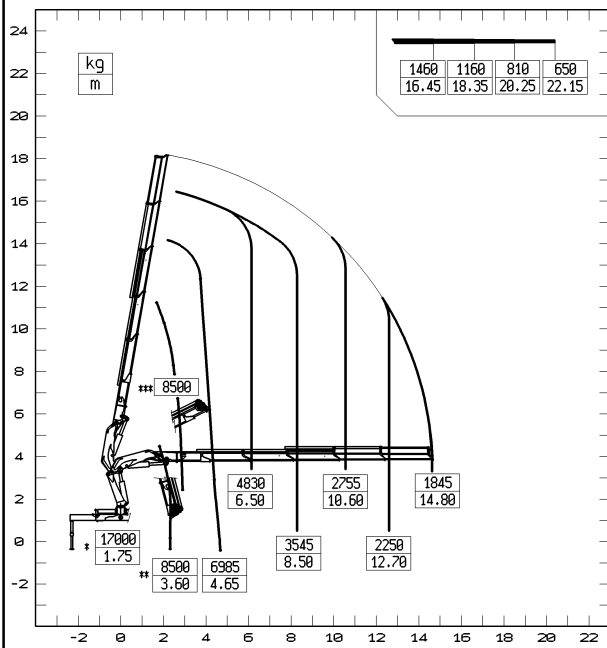
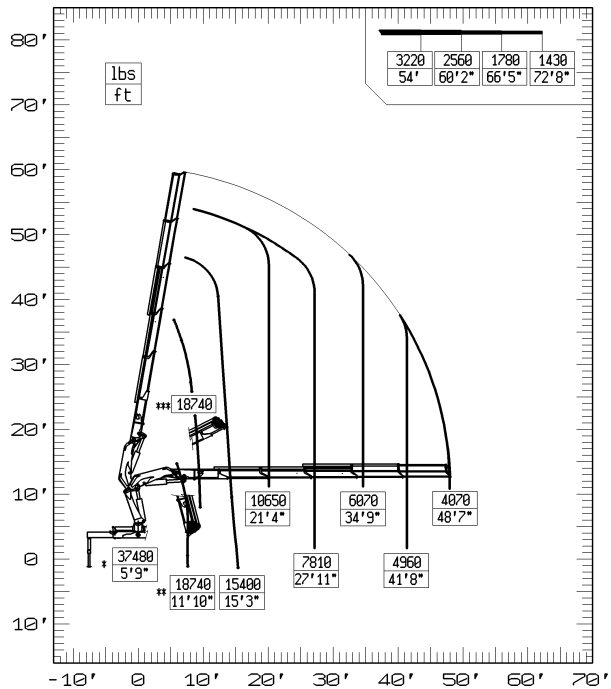
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

40025 SP PT

lbs
ft



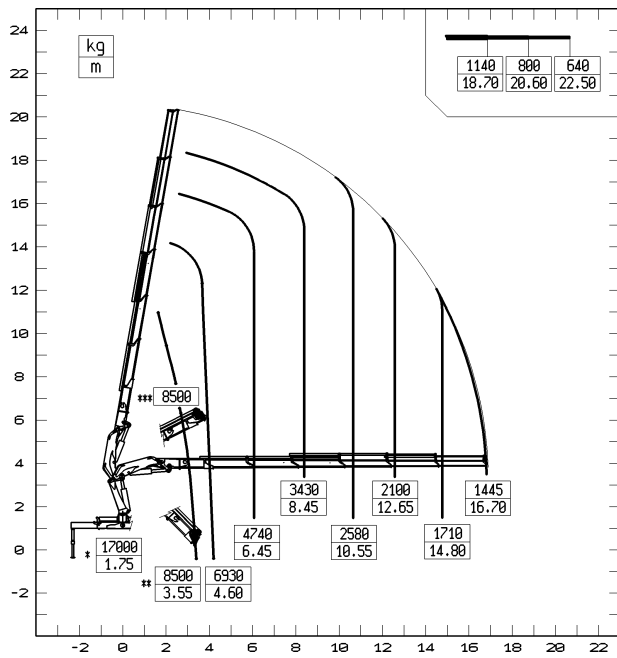
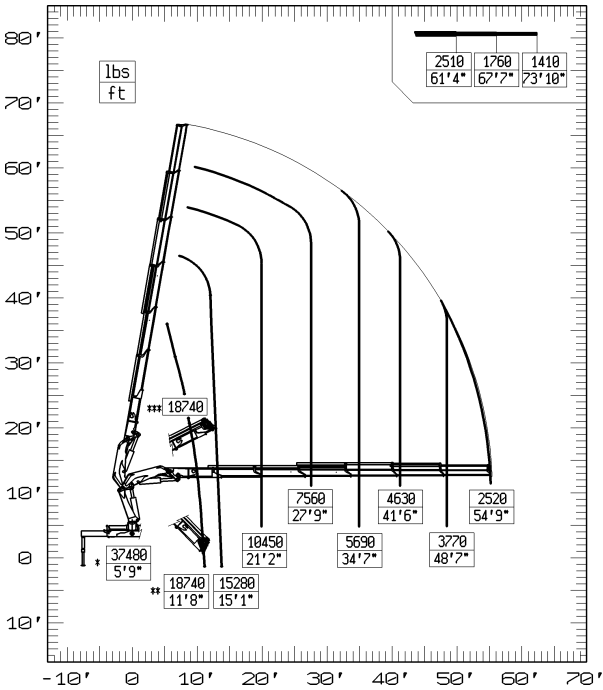
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

40026 SP PT

ft



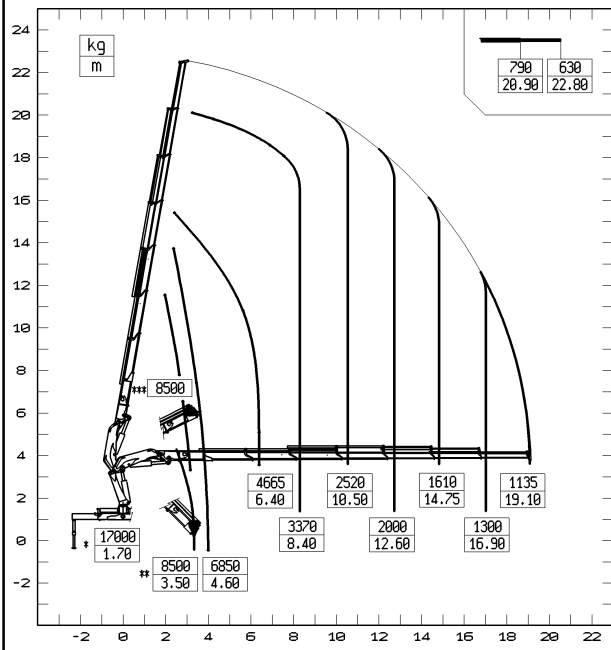
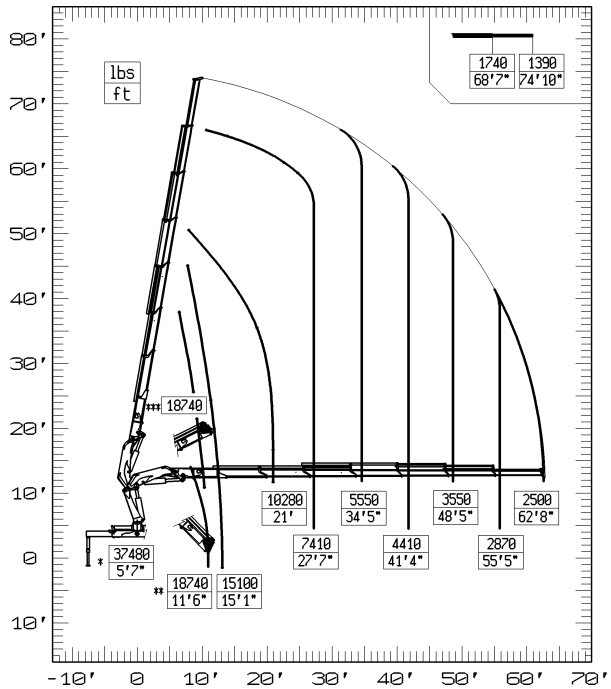
kg

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

40027 SP PT

lbs
ft



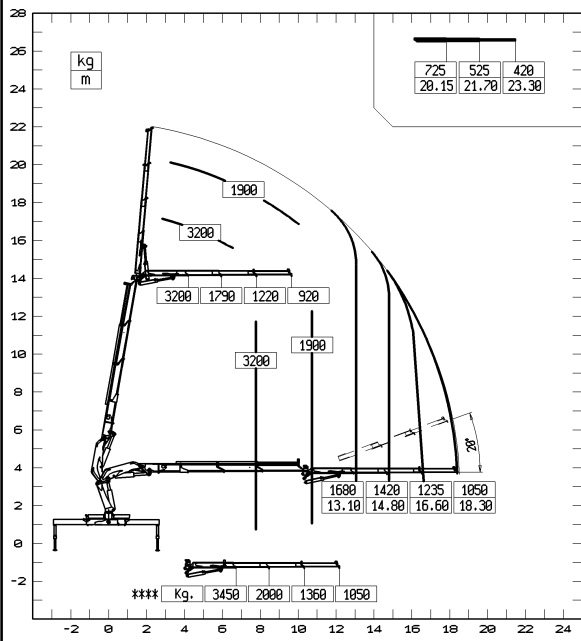
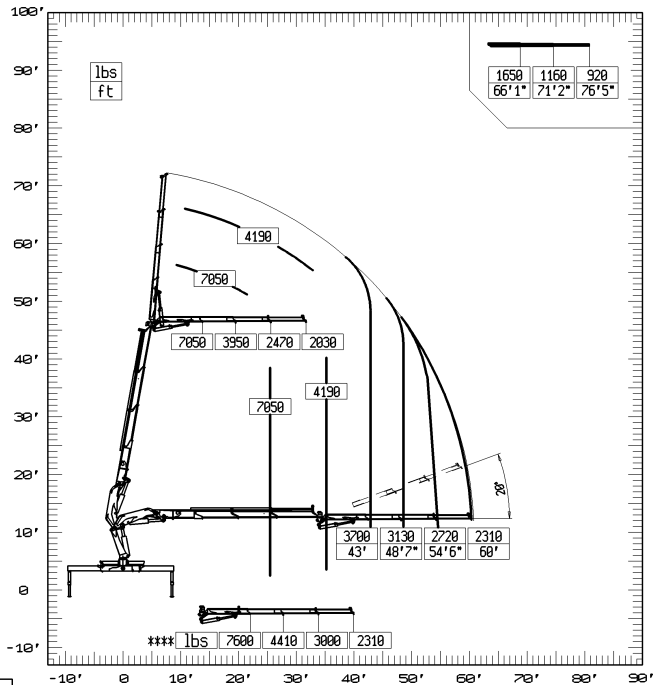
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

40023 SP PT + J903

lbs
ft



kg
m

* PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK

** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK

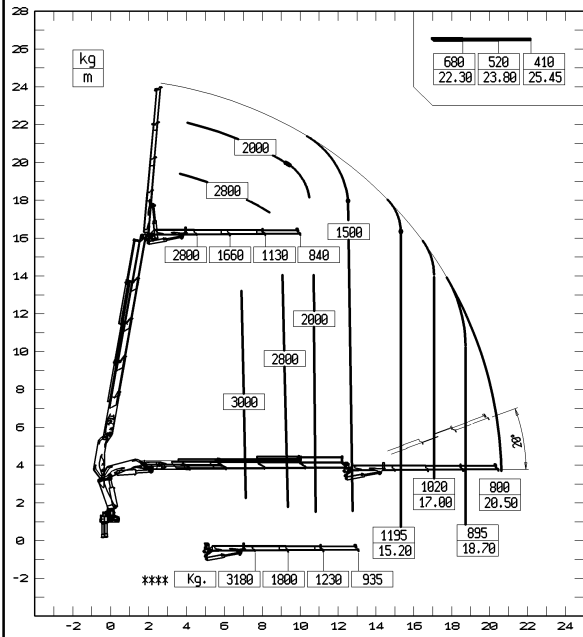
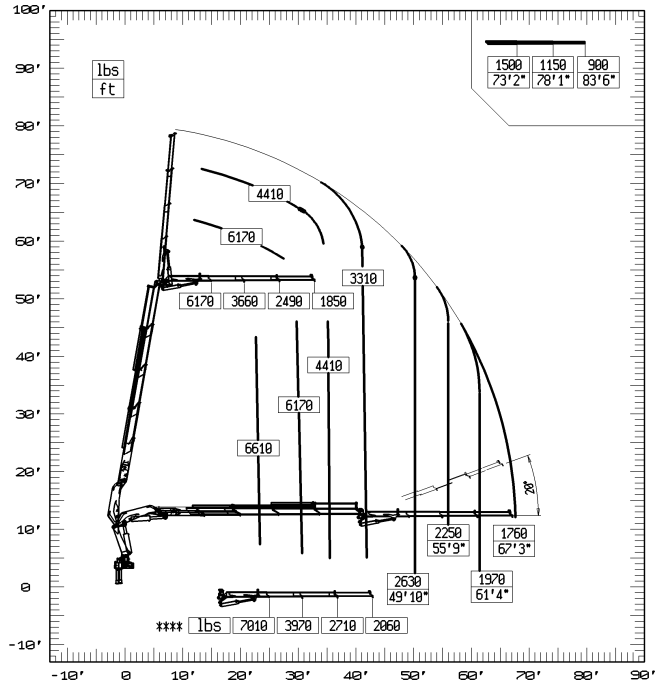
*** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°

NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

40024 SP PT + J903

lbs
ft



kg
m

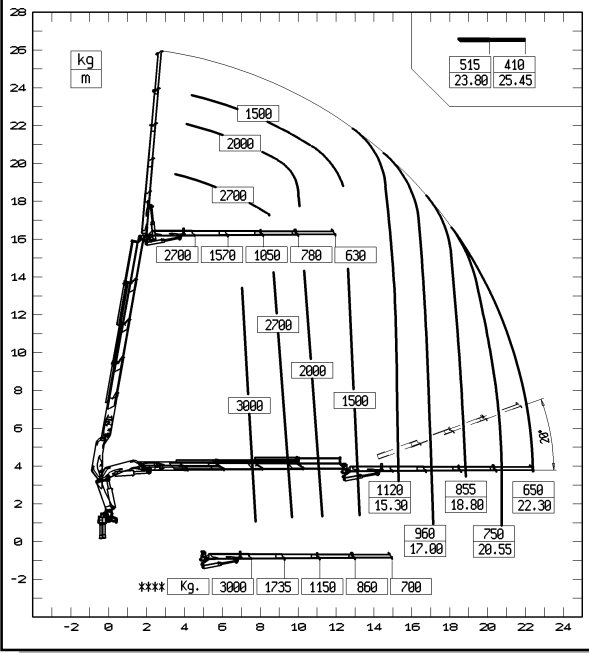
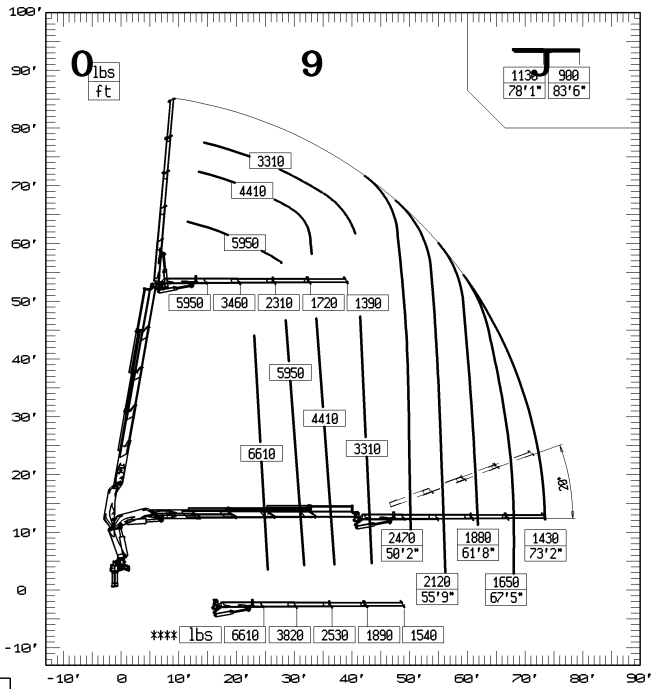
- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

T

4 P 4 +

lbs
ft



kg
m

* PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK

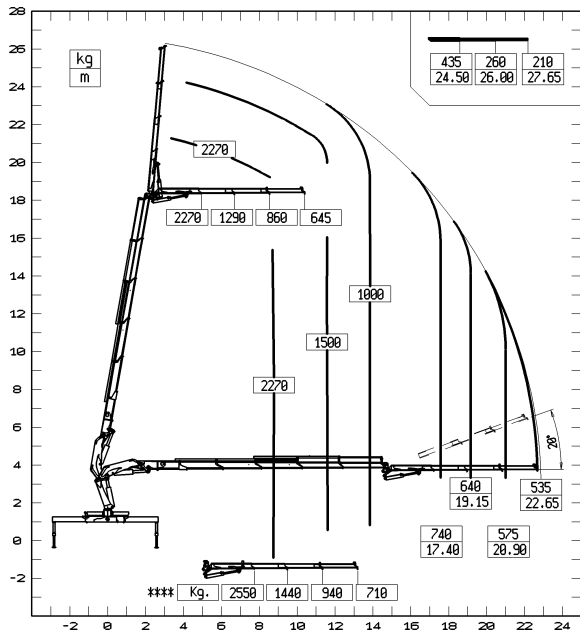
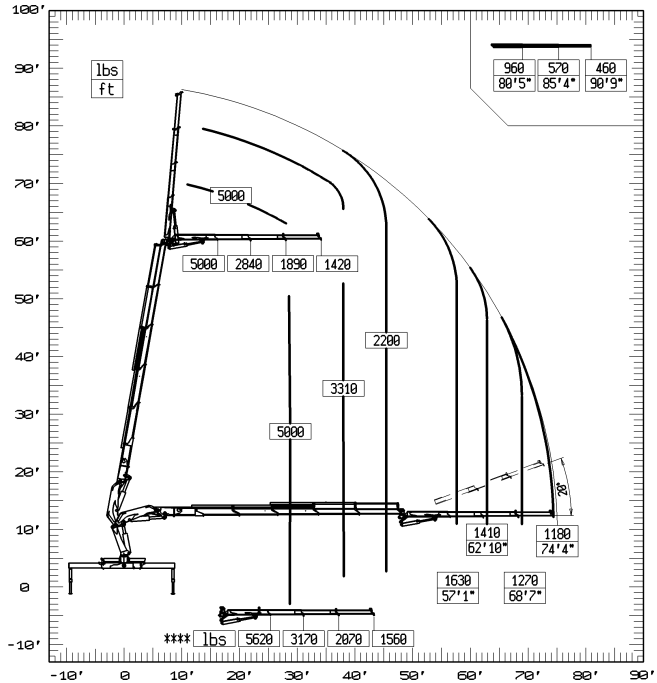
** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK

*** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

40025 SP PT + J903

lbs
ft



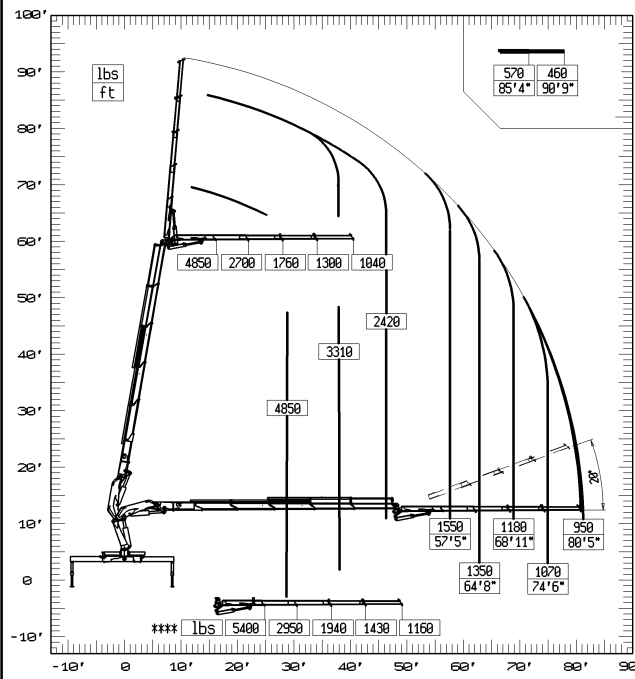
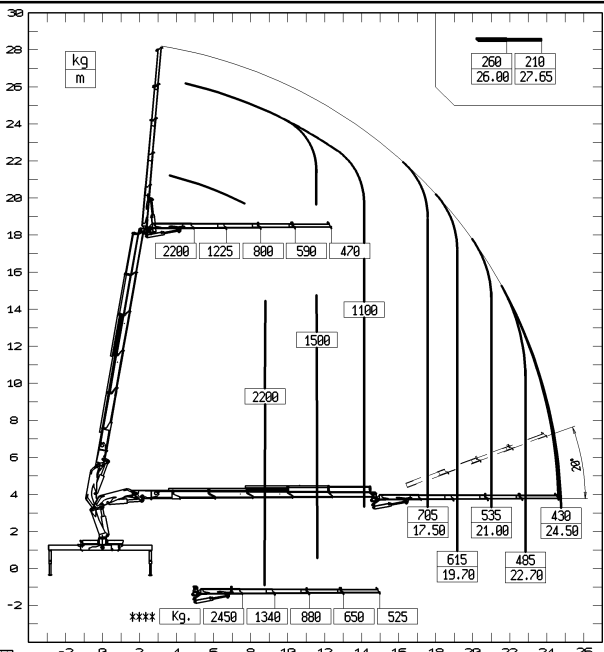
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

40025 SP PT + J904

lbs
—
ft



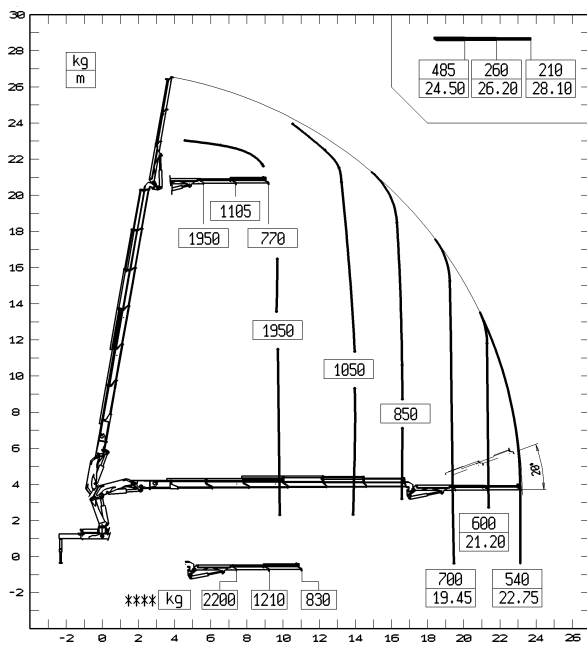
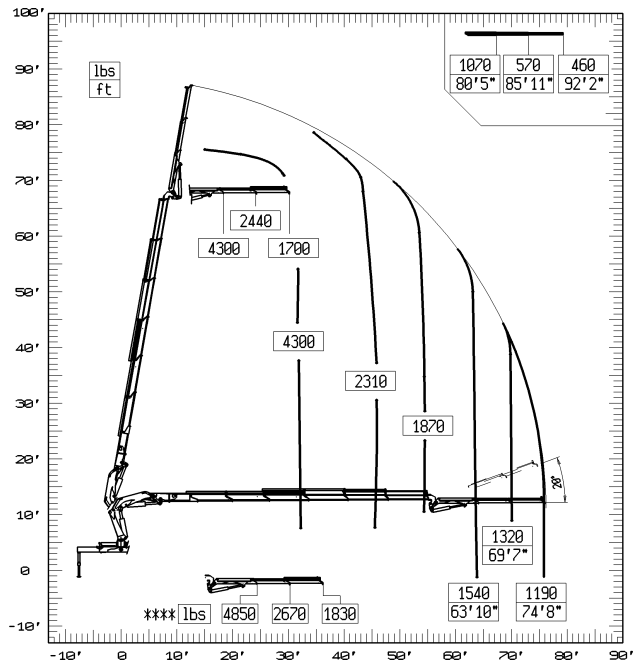
kg
—
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCI PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

40026 SP PT + J702

lbs
ft



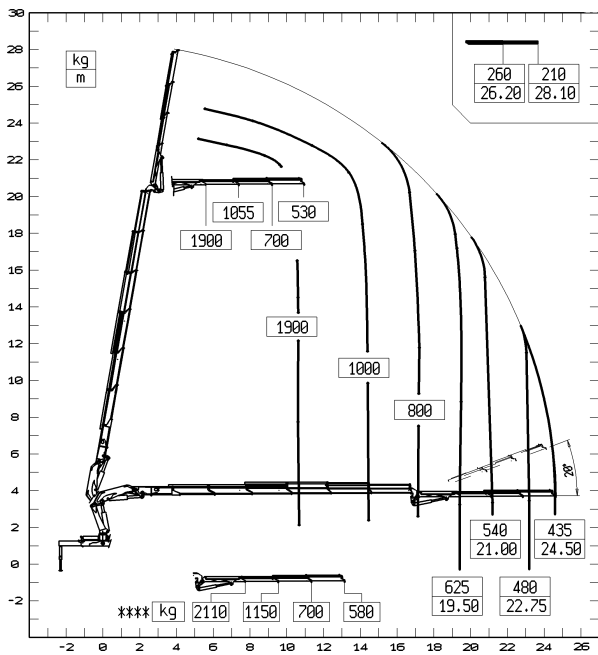
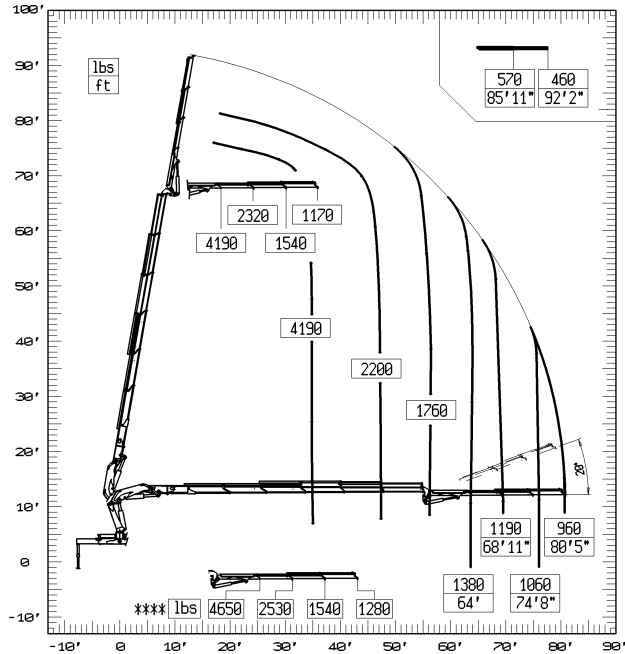
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

40026 SP PT + J703

lbs
ft



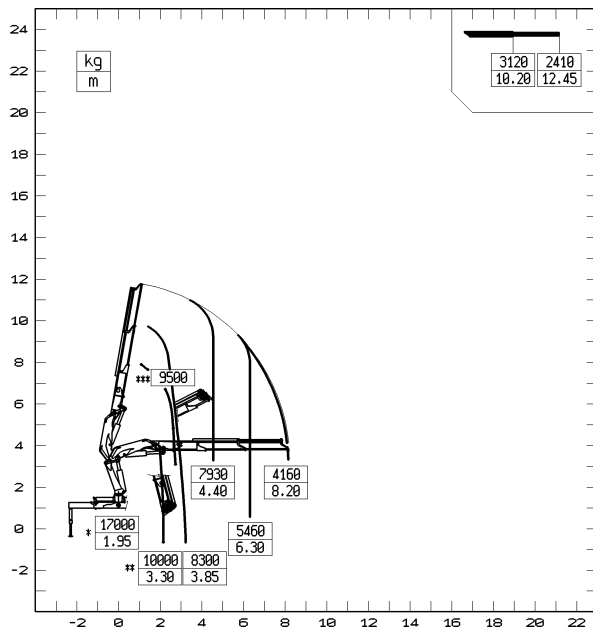
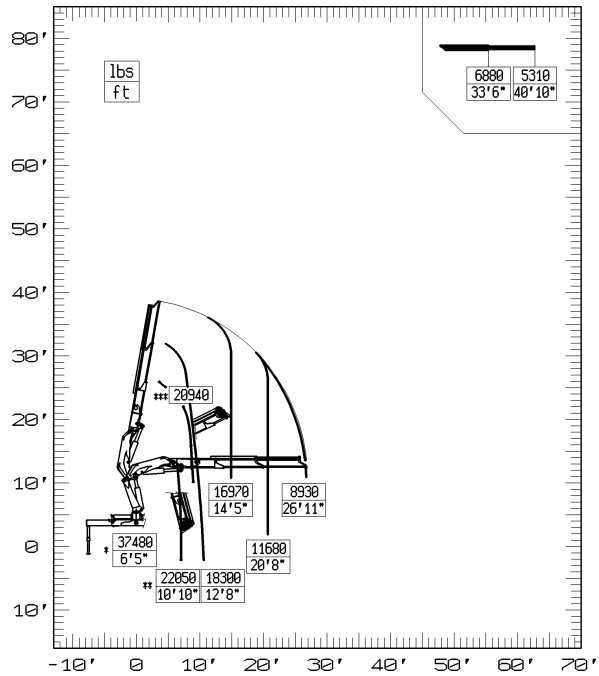
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

40022 SP PT LC

lbs
ft



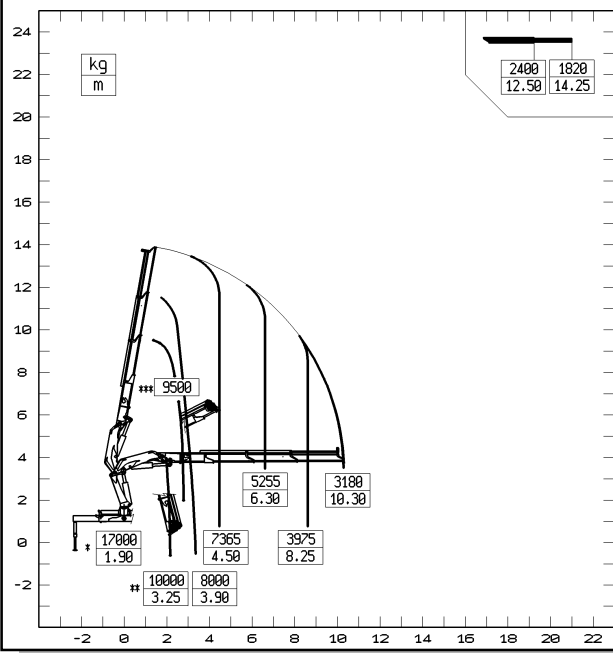
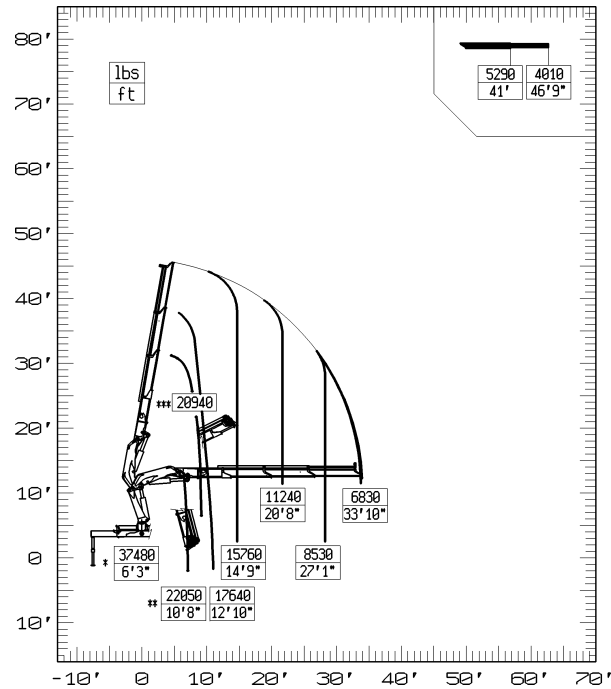
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

40023 SP PT LC

lbs
ft



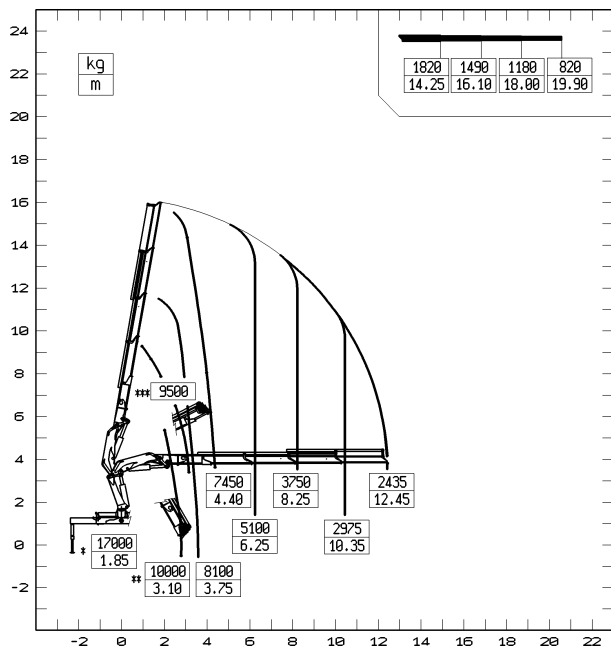
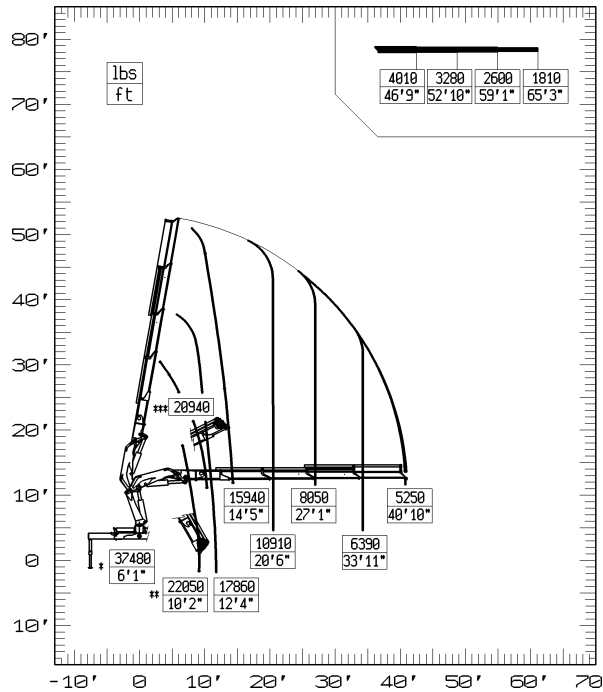
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

40024 SP PT LC

lbs
ft



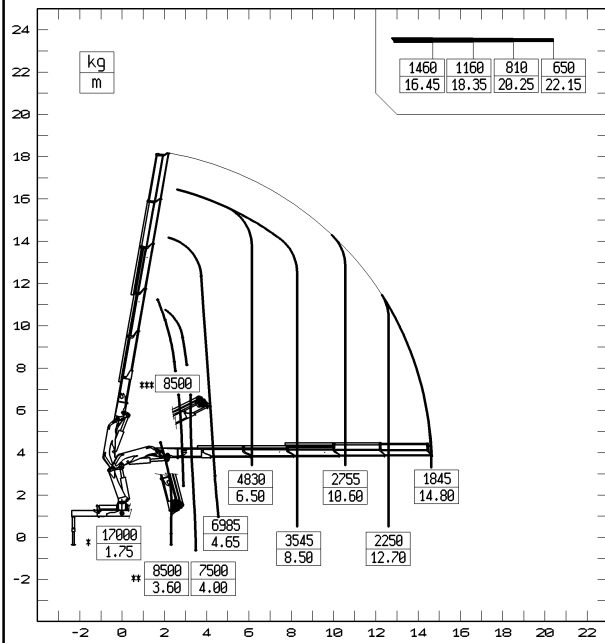
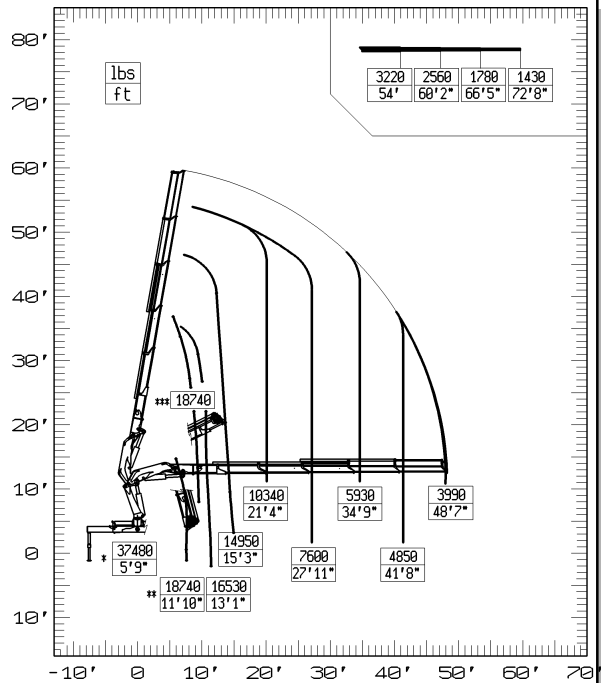
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
- ** PORTATA MAX AL GANCIO MOBILE
MAX CAPACITY AT MOBILE HOOK
- *** PORTATA MASSIMA PASSANTE PER L'ORIZZONTALE
MAX CAPACITY FROM HORIZONTAL TO VERTICAL

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NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

40025 SP PT LC

lbs
ft



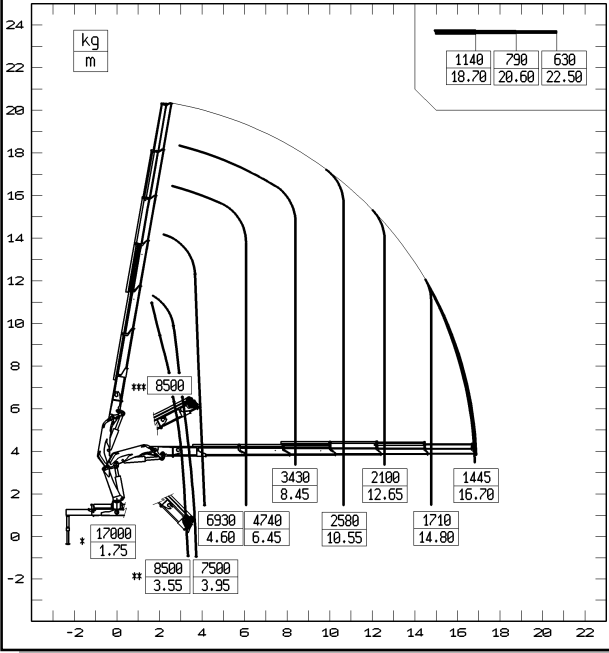
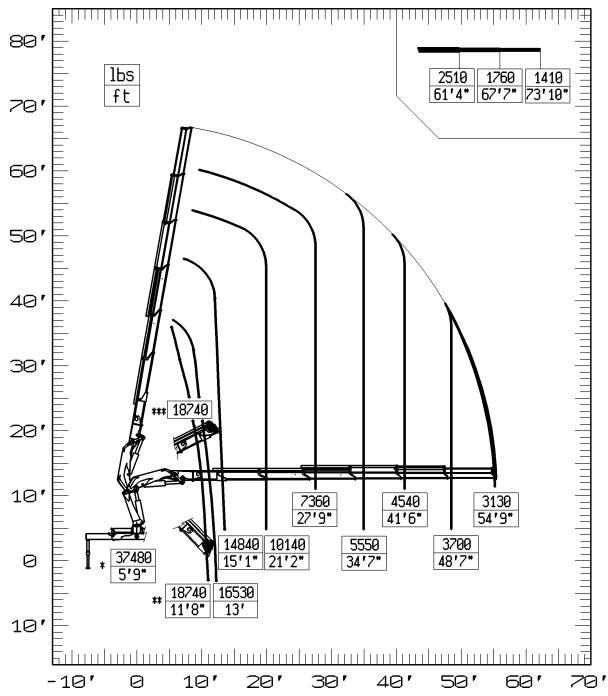
kg
m

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NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

40026 SP PT LC

lbs
ft



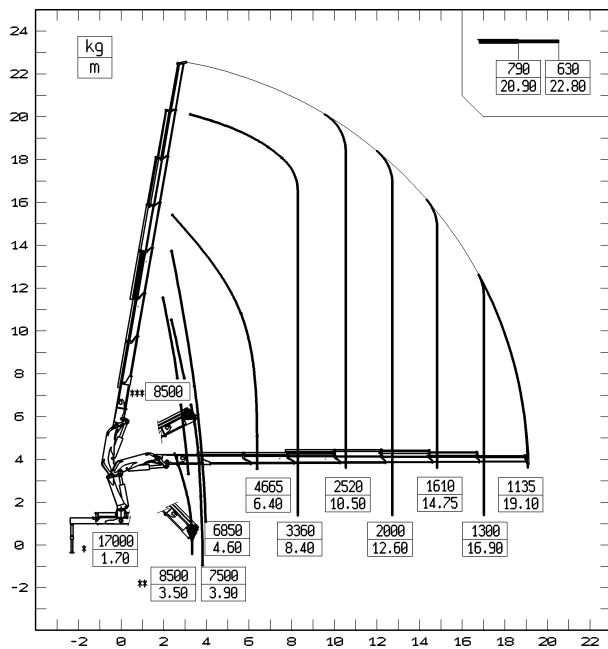
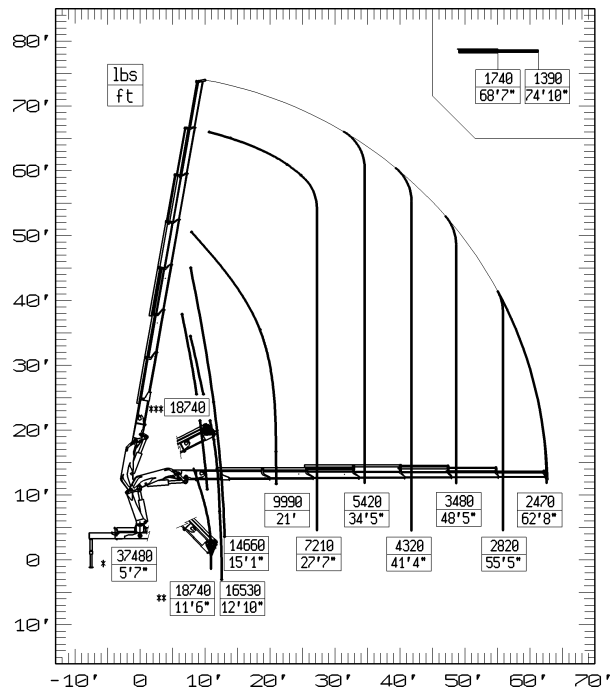
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
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MAX CAPACITY AT MOBILE HOOK
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MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCIO PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

40027 SP PT LC

lbs
ft



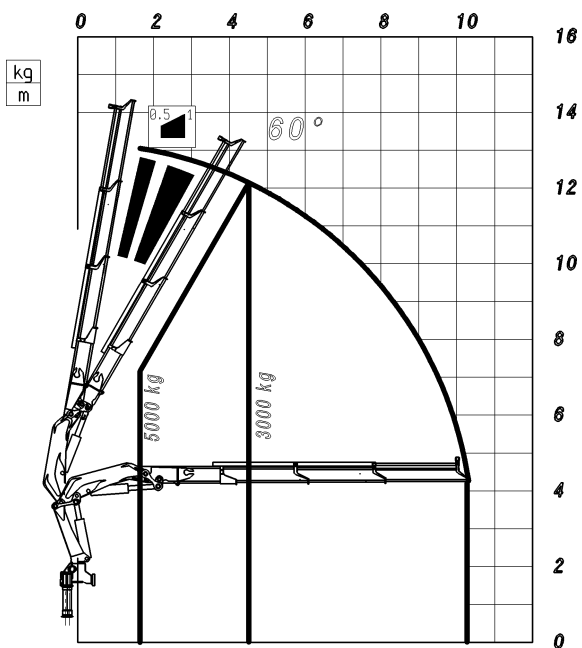
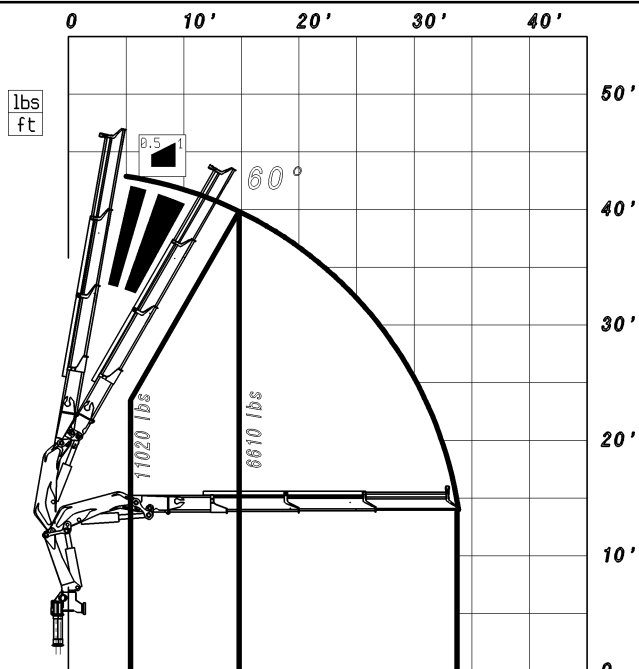
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
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NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

**40023 S PT
+ Verricello**

$\frac{\text{lbs}}{\text{ft}}$



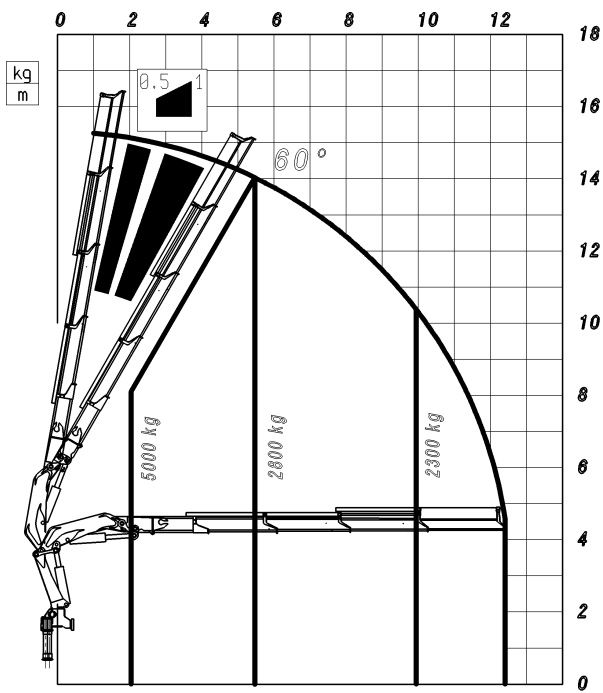
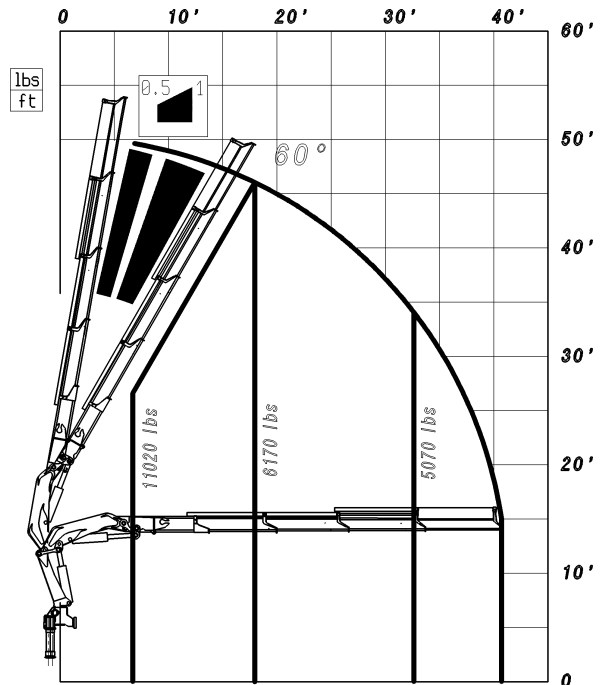
$\frac{\text{kg}}{\text{m}}$

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NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

40024 S PT + Verricello

lbs
ft



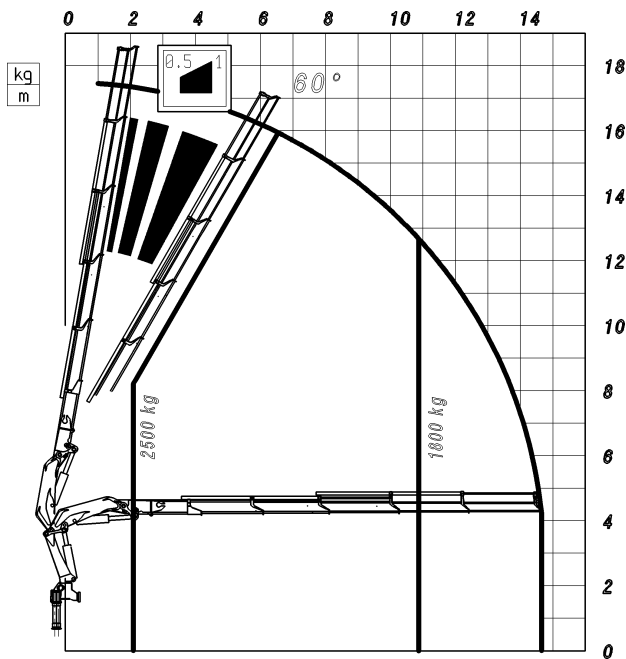
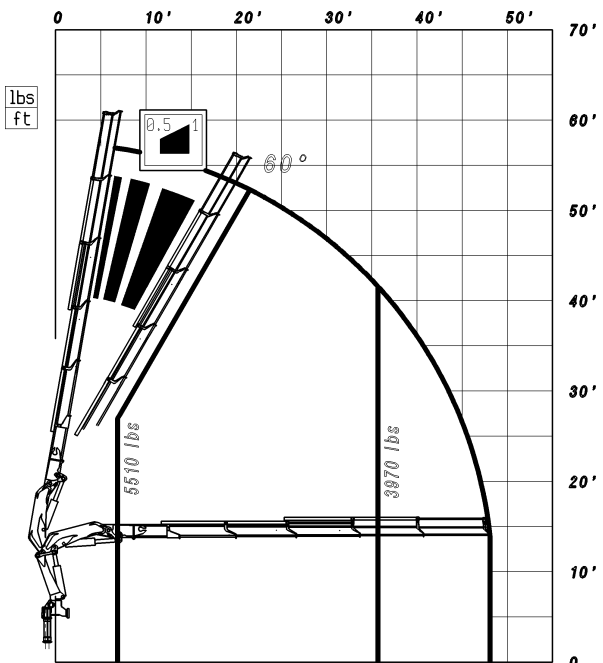
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
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40025 S PT + Verricello

lbs
ft



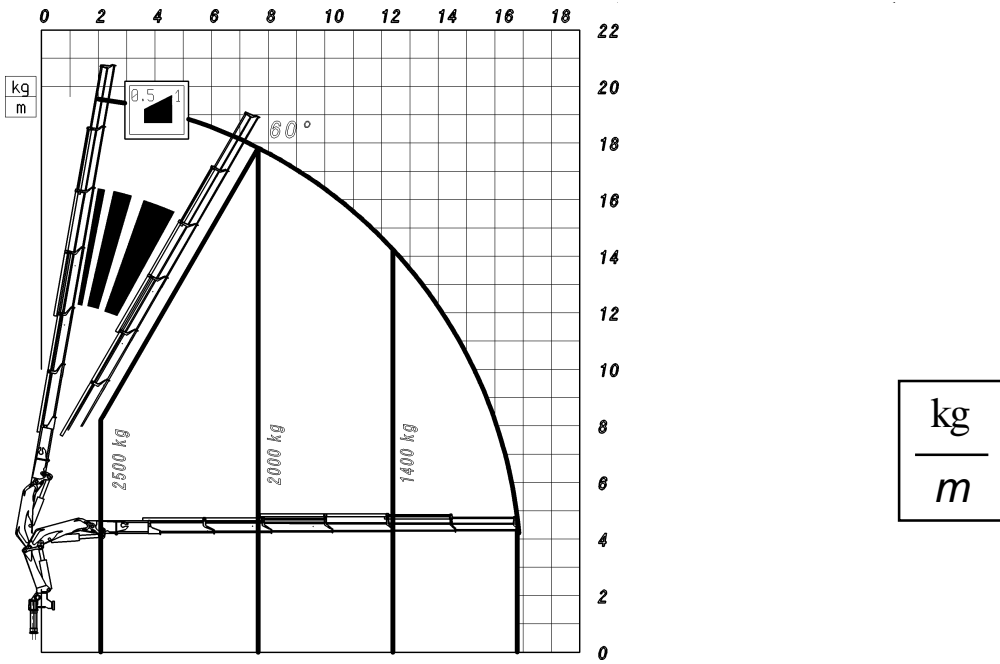
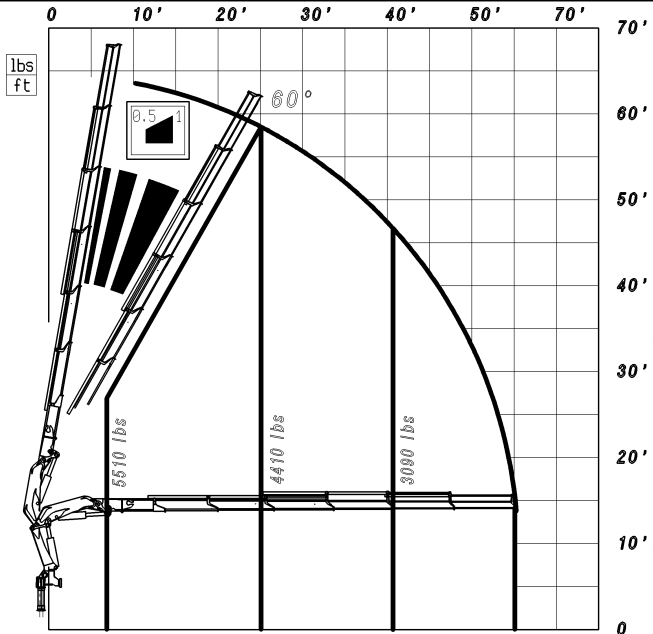
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
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NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

**40026 S PT
+ Verricello**

lbs
ft



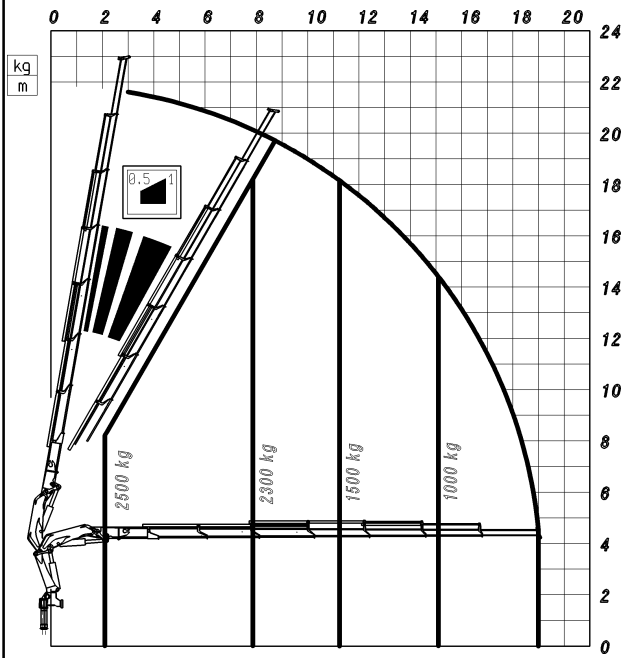
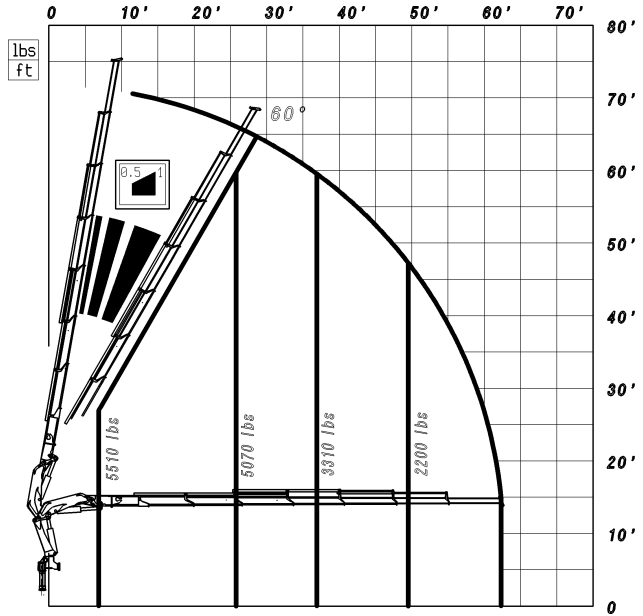
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
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40027 SP PT + Verricello

lbs
ft



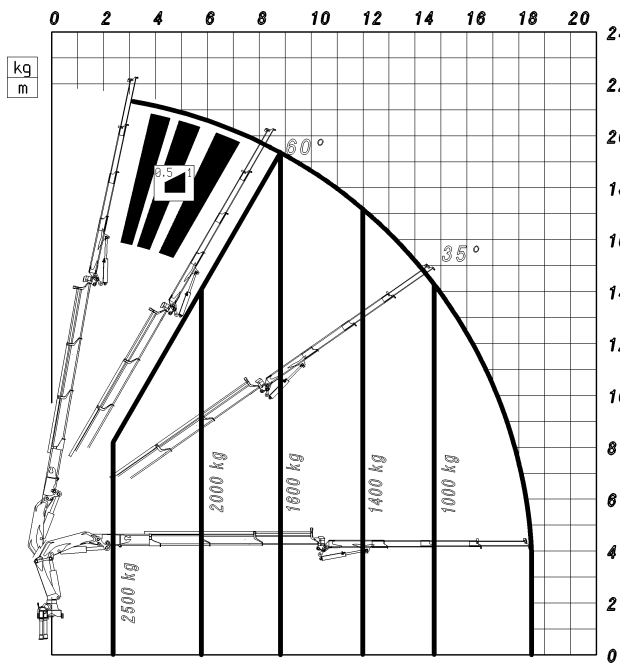
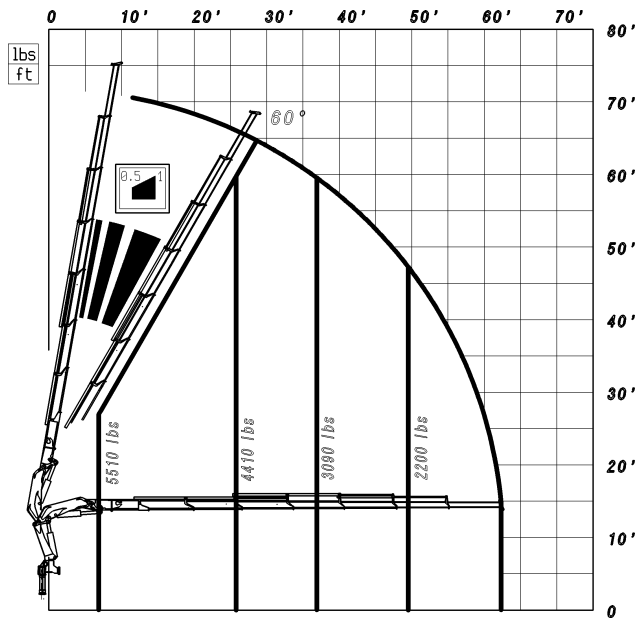
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
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NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

**40023 SP PT +
J903 + Verricello**

$\frac{\text{lbs}}{\text{ft}}$



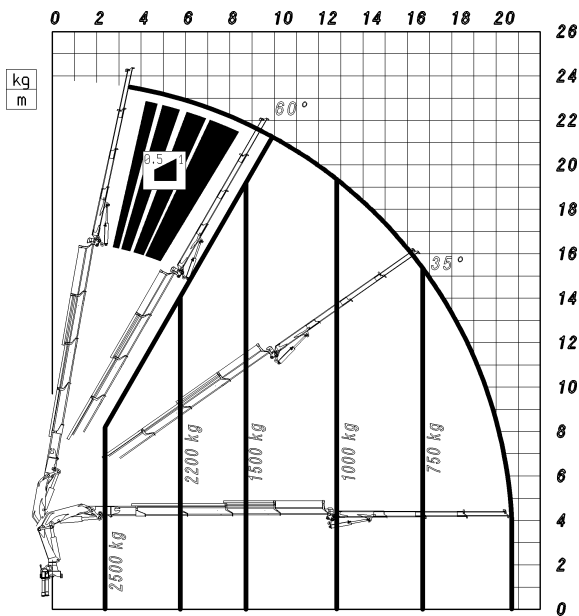
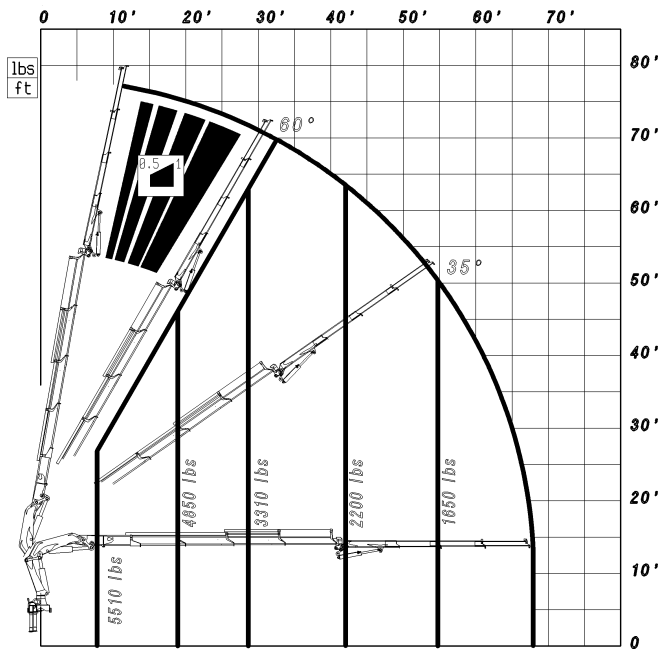
$\frac{\text{kg}}{\text{m}}$

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
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NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

**40024 SP PT +
J903 + Verricello**

$\frac{\text{lbs}}{\text{ft}}$



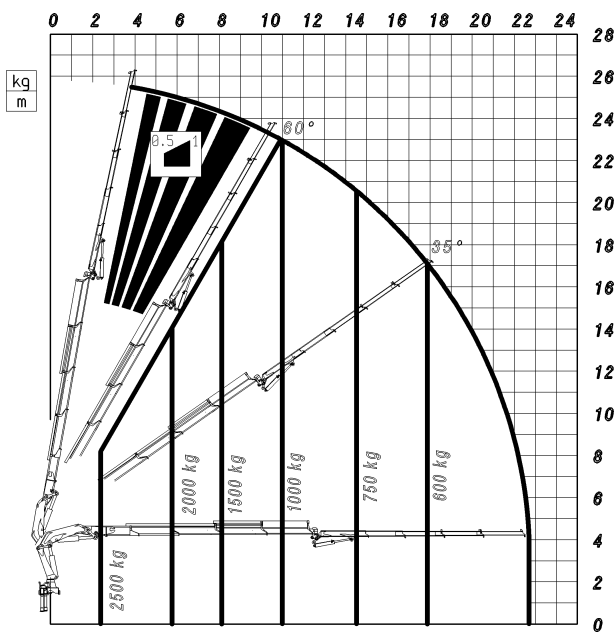
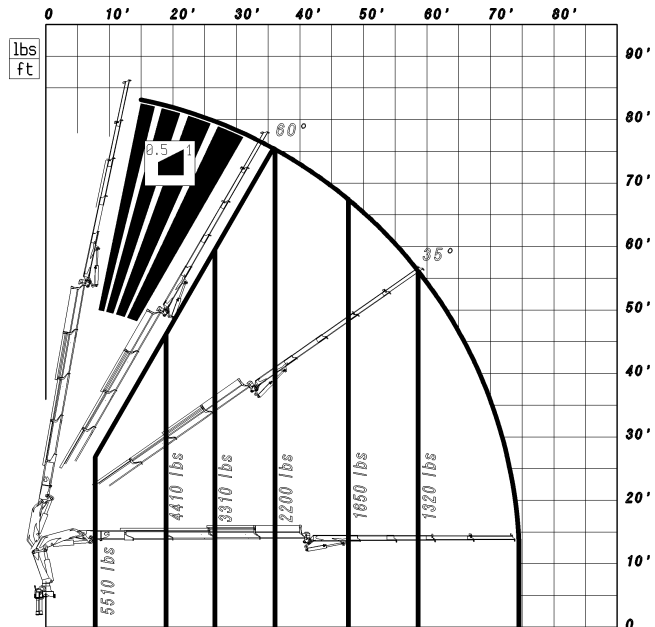
$\frac{\text{kg}}{\text{m}}$

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
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MAX CAPACITY FROM HORIZONTAL TO VERTICAL

NB: LE PRESTAZIONI INDICATE SI OTTENGONO CON BRACCI PRINCIPALE A 15°
NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

**40024 SP PT +
J904 + Verricello**

lbs
ft



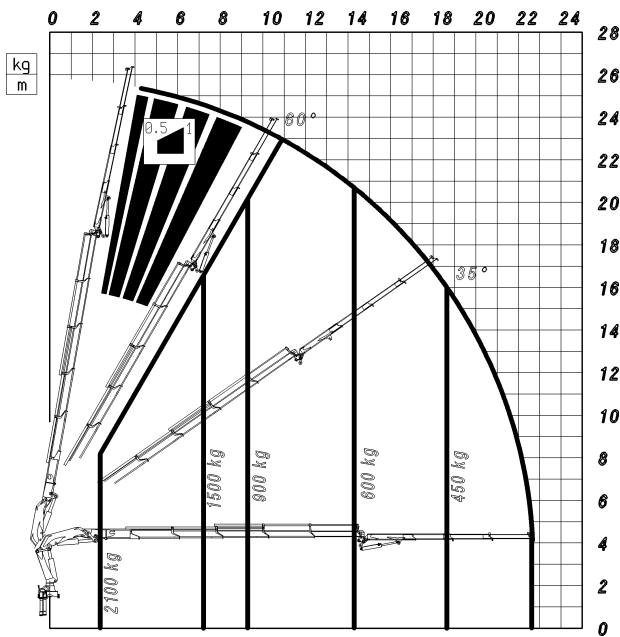
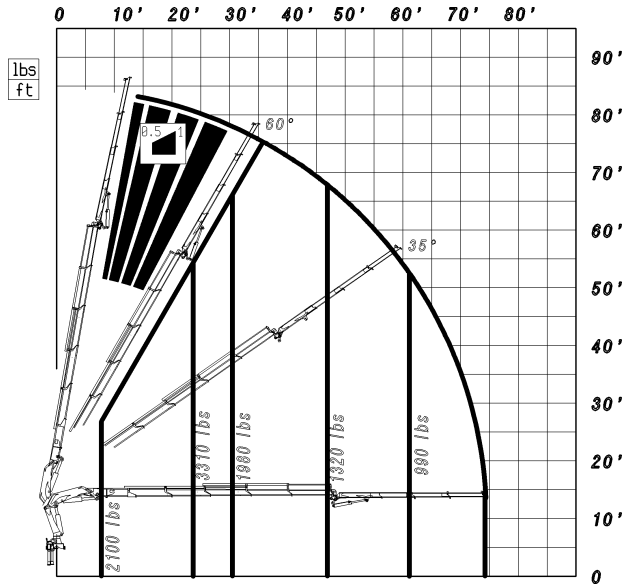
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
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NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

**40025 SP PT +
J903 + Verricello**

lbs
—
ft



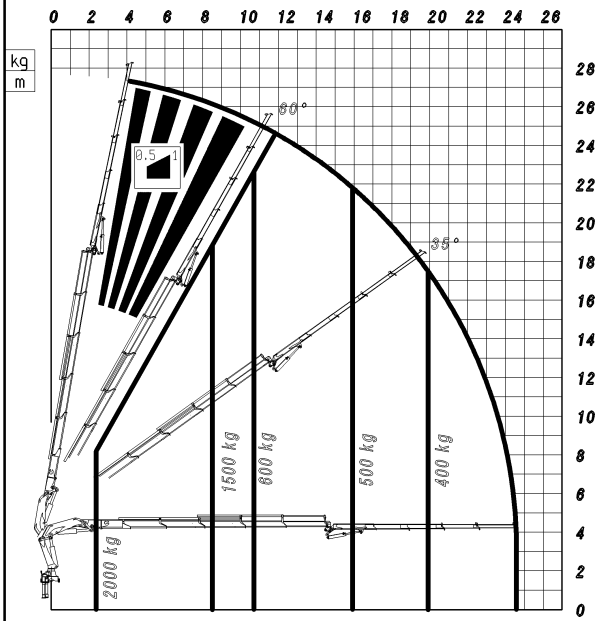
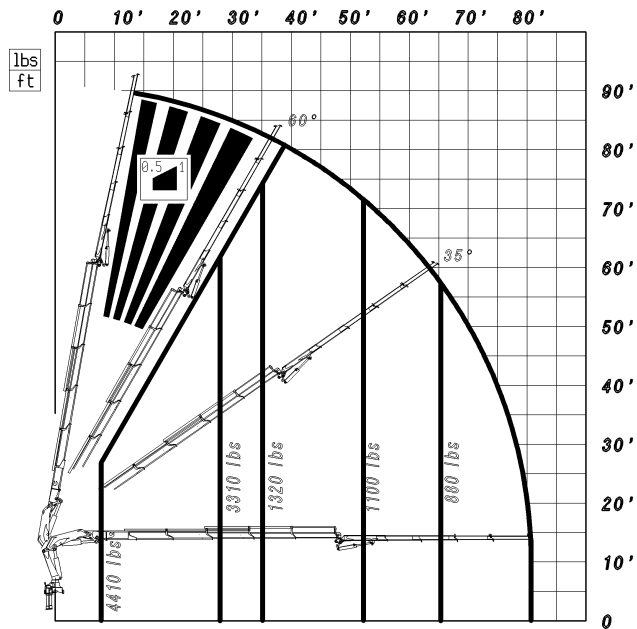
kg
—
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
MAX CAPACITY AT FIXED HOOK
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NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

**40025 SP PT +
J904 + Verricello**

lbs
ft



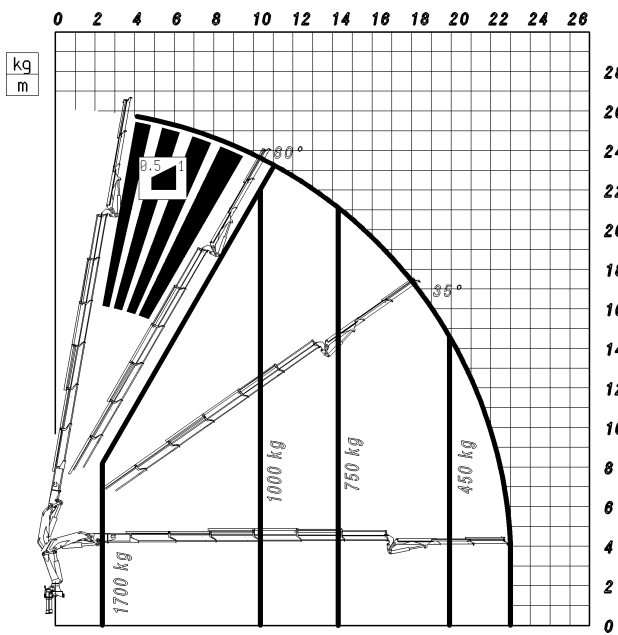
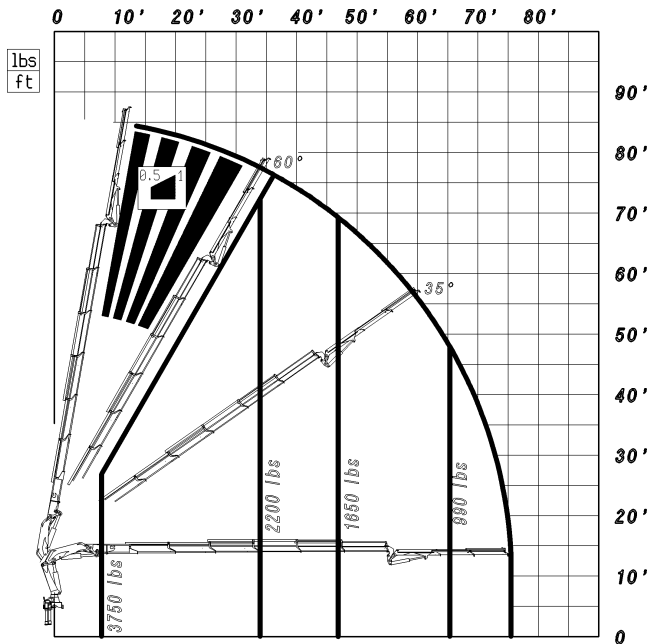
kg
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
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NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

**40026 SP PT +
J702 + Verricello**

lbs
—
ft



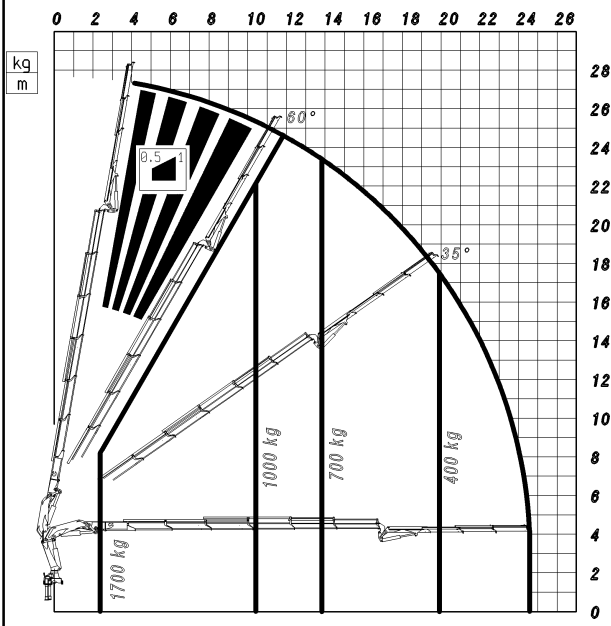
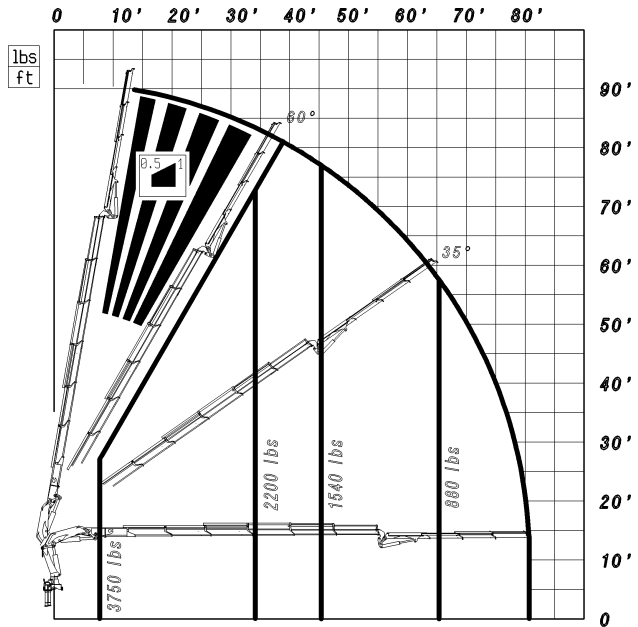
kg
—
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
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NOTE: THE STATED PERFORMANCES CAN BE OBTAINED WITH 15° INCLINATED MAIN BOOM.

**40026 SP PT +
J702 + Verricello**

lbs
—
ft



kg
—
m

- * PORTATA MAX NOMINALE AL GANCIO FISSO
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MAX CAPACITY AT MOBILE HOOK
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5: NOTIZIE TECNICHE

Qui di seguito elenchiamo, con breve commento tecnico, le nuove soluzioni e le migliorie che abbiamo introdotto sulle gru della serie 35 S - 40 SP.

DISTRIBUTORE DI COMANDO, ad elementi componibili (che consente l'aggiunta di elementi supplementari per l'azionamento di accessori). E' dotato di cursori speciali che consentono una sensibilità ed una gradualità dei movimenti quasi assoluta.

IL SERBATOIO DELL'OLIO IDRAULICO con capacità massima di 150 litri è stato ubicato in posizione alta in modo da agevolare l'alimentazione del condotto di aspirazione della pompa. Inoltre, in tale posizione risulta accessibile per le operazioni di manutenzione/pulizia filtro ed ha le superfici esterne esposte all'aria in modo da migliorarne la capacità di scambio termico verso l'esterno per il raffreddamento dell'olio idraulico.

VALVOLE DI BLOCCO FLANGIATE DIRETTAMENTE SUI MARTINETTI COLONNA E MENSOLA allo scopo di ridurre gli ingombri, di semplificare gli interventi di manutenzione e soprattutto per una maggiore sicurezza.

SISTEMA DI SFILAMENTO DEI BRACCI GRU realizzato con martinetti ad un solo stadio accoppiati tra di loro per le varie versioni. I collegamenti tra i vari martinetti sono realizzati in parte internamente al martinetto stesso ed in parte esternamente con tubi metallici, ubicati in posizioni protette da eventuali urti esterni.

UNITÀ DI CONTROLLO FUNZIONALE

Integra:

- il limitatore di carico della gru;
- il limitatore di carico della prolunga articolata;
- il limitatore di carico del verricello;
- il limitatore di rotazione.

Controlla:

- le pressioni in spinta del martinetto principale e secondario;
- la temperatura dell'olio;
- il corretto funzionamento dei dispositivi di sicurezza;
- segnala all'operatore lo stato funzionale della macchina e le anomalie di funzionamento.

5: TECHNICAL NEWS

We inform you about new solutions and improvements adopted on crane serie 35 S - 40 SP.

CONTROL VALVE BLOCK with elements to which it is possible add other supplementary elements for accessories activation. It is equipped with special cursors (spools) that let to have gradual movements.

HYDRAULIC OIL TANK with 150 liters (40 US gals) capacity situated in high position in order to facilitate the feeding of the pump intake duct. In this position, the oil tank is easier to reach therefore any maintenance operation can be carried out with less inconveniences. Furthermore the oil tank's outer surfaces are exposed to outside air thus improving the thermal exchange and allowing the hydraulic oil to cool.

LOCK VALVES FASTENED DIRECTLY ON THE BOTTOM OF COLUMN AND MAIN BOOM CYLINDERS to reduce all possible obstructions, to make maintenance operations easier and most of all for safety reasons.

EXTENSION SYSTEM FOR CRANE BOOMS consisting of cylinders at one stage coupled between them in different versions. Connections between cylinders have been made both inside the cylinder itself and on the external side by metallic pipes, positioned in such a way as to be repaired from eventual collisions.

FUNCTIONAL CONTROL UNIT

This includes:

- the crane's load limiting device;
- the articulated extension's load limiting device;
- the winch's load limiting device;
- the rotation limiting device.

It controls:

- the thrusting pressure of the main and secondary jack;
- the oil temperature;
- the safety devices' operation;
- it advises the operator of the machine's operation status and any malfunctions.

TUBI IN GOMMA DI COLLEGAMENTO tra il distributore di comando ed i martinetti sono stati inseriti quasi totalmente all'interno della carpenteria (colonna/mensola) allo scopo di migliorare estetica della macchina e per proteggere le tubazioni da possibili urti interni. Sull'estremità inferiore, dove vengono collegati con il distributore, sono stati inseriti i raccordi rotanti allo scopo di evitare l'attorcigliamento dei tubi durante le manovre di rotazione.

DOPPIO SISTEMA DI FILTRAZIONE DELL'OLIO IDRAULICO realizzato con un filtro sul ritorno immerso, con grado di filtrazione nominale di 125 micron e con un filtro in mandata, con grado di filtrazione assoluta di 15 micron.

INDICATORE DEL GRADO DI INTASAMENTO DEL FILTRO, posto sul filtro stesso.

PACCO BRACCI CON PROFILI DI SEZIONE ESAGONALE, realizzati con un'unica saldatura effettuata sul lato inferiore.

CONSOLLE/CARTER DI PROTEZIONE dei comandi sono state sistemate le targhette (in materiale plastico) per la corretta individuazione dei comandi.

BIELLE posizionate sulle articolazioni della macchina permettono di raggiungere prestazioni elevate durante la fase di sollevamento.

CONNECTION HOSES between control valve block and cylinders have been inserted inside the structural work (column/main boom) to improve the general aspect of the crane and to protect hoses from eventual collisions. On the end side, where hoses are connected with the control valve block, there are rotating fittings with the aim of avoiding any hose kink during slewing movements.

DOUBLE SYSTEM OF HYDRAULIC OIL FILTERING made with a filter positioned on the return with 125 micron filtering degree and in delivery with high pressure filter (15 micron).

FILTER OBSTRUCTION INDICATOR, as a manometer, fitted on the cover of the deliver filter itself

BOOMS WITH PROFILES OF ESAGONAL SECTION, made by a single welding on the inferior side.

PLASTIC INSTRUCTION PLATE, for the use of the crane, are placed near each crane control lever:

CONNECTING RODS: these are installed on the machine articulations to obtain a high performance during lifting.

6: ACCESSORI

6.1 PROLUNGHE MANUALI

-PM 35022 - PM 35022 LC - PM 40022 - PM 40022 LC

2 prolunghe manuali, da applicare all'ultimo braccio della macchina, per portare lo sbraccio orizzontale a mt. 12.45 dall'asse colonna di rotazione.

Tutte le prolunghe sono dotate di attacco gancio (fisso o mobile), di fine corsa a massimo sfilamento e quando non sono utilizzate possono essere ricoverate all'interno dell'ultimo braccio della gru.

-PM 35023 - PM 35023 LC - PM 40023 - PM 40023 LC

2 prolunghe manuali, da applicare all'ultimo braccio della macchina, per portare lo sbraccio orizzontale a mt. 14.25 dall'asse colonna di rotazione.

Tutte le prolunghe sono dotate di attacco gancio (fisso o mobile), di fine corsa a massimo sfilamento e quando non sono utilizzate possono essere ricoverate all'interno dell'ultimo braccio della gru.

-PM 35024 - PM 35024 LC - PM 40024 - PM 40024 LC

4 prolunghe manuali, da applicare all'ultimo braccio della macchina, per portare lo sbraccio orizzontale a mt. 19.90 dall'asse colonna di rotazione.

Tutte le prolunghe sono dotate di attacco gancio (fisso o mobile), di fine corsa a massimo sfilamento e quando non sono utilizzate possono essere ricoverate all'interno dell'ultimo braccio della gru.

-PM 35025 - PM 35025 LC - PM 40025 - PM 40025 LC

4 prolunghe manuali, da applicare all'ultimo braccio della macchina, per portare lo sbraccio orizzontale a mt. 22.15 dall'asse colonna di rotazione.

Tutte le prolunghe sono dotate di attacco gancio (fisso o mobile), di fine corsa a massimo sfilamento e quando non sono utilizzate possono essere ricoverate all'interno dell'ultimo braccio della gru.

-PM 35026 - PM 35026 LC - PM 40026 - PM 40026 LC

3 prolunghe manuali, da applicare all'ultimo braccio della macchina, per portare lo sbraccio orizzontale a mt. 22.50 dall'asse colonna di rotazione.

Tutte le prolunghe sono dotate di attacco gancio (fisso o mobile), di fine corsa a massimo sfilamento e quando non sono utilizzate possono essere ricoverate all'interno dell'ultimo braccio della gru.

6 : ACCESSORIES

6.1 MANUAL EXTENSIONS

-PM 35022 - PM 35022 LC - PM 35022 - PM 35022 LC

2 manual extensions to be fastened to last hydraulic boom of the crane are available for extending the horizontal reach of the boom at 12.45 m (40'10") from the slewing column axis.

All the manual extensions are supplied with a hooking device and when not used, they can be folded into the last hydraulic boom of the crane.

-PM 35023 - PM 35023 LC - PM 40023 - PM 40023 LC

2 manual extensions to be fastened to last hydraulic boom of the crane are available for extending the horizontal reach of the boom at 14.25 m (46'9") from the slewing column axis.

All the manual extensions are supplied with a hooking device and when not used, they can be folded into the last hydraulic boom of the crane.

-PM 35024 - PM 35024 LC - PM 40024 - PM 40024 LC

4 manual extensions to be fastened to last hydraulic boom of the crane are available for extending the horizontal reach of the boom at 19.90 m (65'3") from the slewing column axis.

All the manual extensions are supplied with a hooking device and when not used, they can be folded into the last hydraulic boom of the crane.

-PM 35025 - PM 35025 LC - PM 40025 - PM 40025 LC

4 manual extensions to be fastened to last hydraulic boom of the crane are available for extending the horizontal reach of the boom at 22.15 m (72'8") from the slewing column axis.

All the manual extensions are supplied with a hooking device and when not used, they can be folded into the last hydraulic boom of the crane.

-PM 35026 - PM 35026 LC - PM 40026 - PM 40026 LC

3 manual extensions to be fastened to last hydraulic boom of the crane are available for extending the horizontal reach of the boom at 22.50 m (73'9") from the slewing column axis.

All the manual extensions are supplied with a hooking device and when not used, they can be folded into the last hydraulic boom of the crane.

-PM 35027 - PM 35027 LC - PM 35027 - PM 35027 LC

2 prolunghe manuali, da applicare all'ultimo braccio della macchina, per portare lo sbraccio orizzontale a mt. 22.80 dall'asse colonna di rotazione.

Tutte le prolunghe sono dotate di attacco gancio (fisso o mobile), di fine corsa a massimo sfilamento e quando non sono utilizzate possono essere ricoverate all'interno dell'ultimo braccio della gru.

-PM 35027 - PM 35027 LC - PM 35027 - PM 35026 LC

2 manual extensions to be fastened to last hydraulic boom of the crane are available for extending the horizontal reach of the boom at 22.80 m (74'9") from the slewing column axis.

All the manual extensions are supplied with a hooking device and when not used, they can be folded into the last hydraulic boom of the crane.

6.2 VERRICELLO (Fig. 6.1)

Verricello idraulico tipo TC 2 con capacità di tiro massimo sul tratto di fune (al 4° strato) di 1900 daN posizionato sotto il 1° braccio della gru (PM 35 S - 40 SP).

Caratteristiche:

- Tiro max sul tratto di fune (4° strato): 1900daN
- Peso proprio totale: 70 kg
- Tamburo liscio, diametro primitivo: 200mm
- Fune: diametro 10 mm / lunghezza: 60m
- Motore idraulico orbitale: cilindrata 31 cc
- Riduttore epicicloidale: rapporto di riduzione 39:1
- Freno a dischi multipli con molle di richiamo in chiusura e comando oleodinamico in apertura.
- Valvola idropilotata contro il trascinarsi del motore e di blocco in caso di rottura delle tubazioni.
- Velocità (con fune a tiro diretto) al 4° strato: 50 m/min con portata di 87 l/min

6.2 WINCH (Fig. 6.1)

Hydraulic winch with maximum pulling on cable section (4th layer) of 1900 daN (4190 lbs) placed under the first boom of the crane (PM 35 S - 40 SP)

Characteristics :

- Maximum draw capacity on cable section (at 4th layer): 1900 daN(4271lbs)
- Total weight(without rope): 70 kg (154lbs)
- Smooth drum, original diam.: 200 mm (7")
- Cable diameter: 10 mm(3/8") ength: 60m(196'10")
- Orbital hydraulic motor with a 31 cc
- Epicycloidal reduction gear with reduction ratio 39:1
- Multiple disk brake with closing return spring and opening hydraulic control
- Hydropiloted lock valve to avoid motoring over and to block in case of breaking hoses
- Speed (with cable at direct pull) at 4th layer: 50 m/min with capacity of 87 l/min (110'/min with capacity of 22 US gals/min)

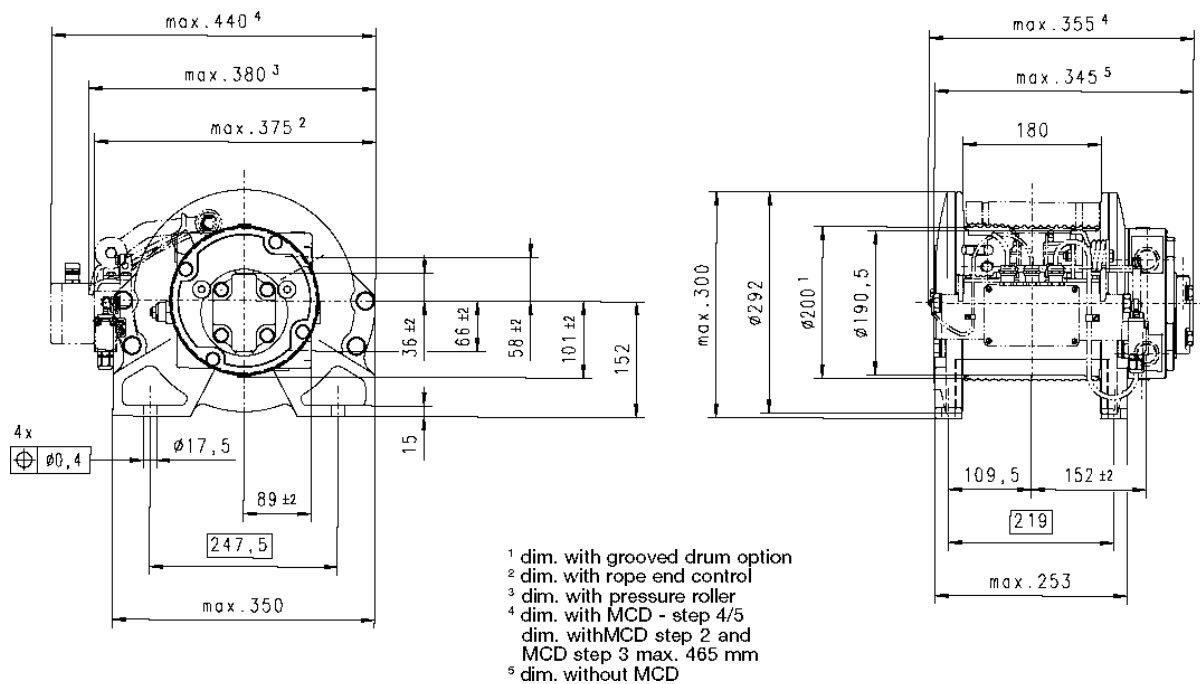


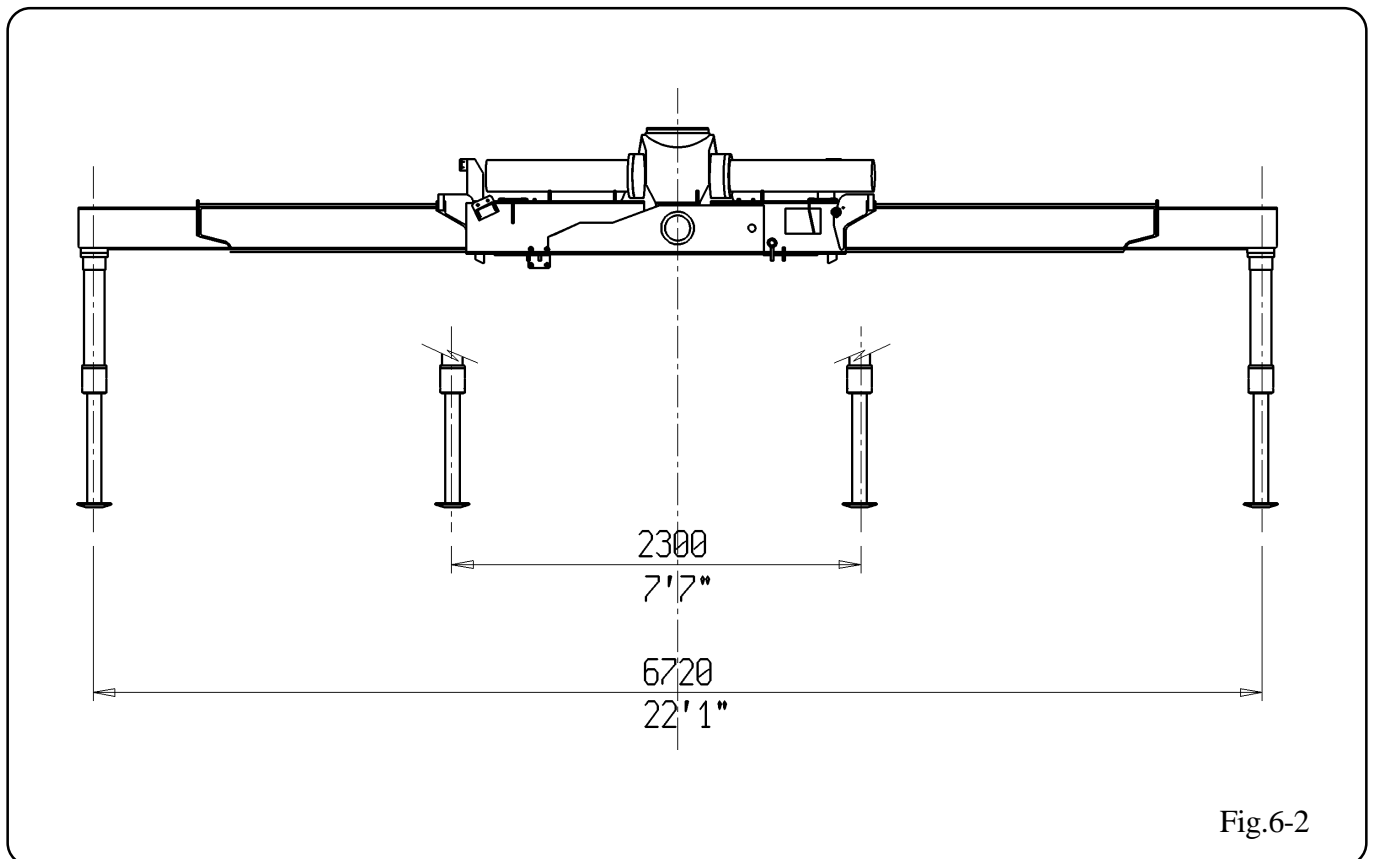
Fig.6-1

6.3 BRACCI STABILIZZATORI EXTRALARGHI (Fig. 6.2)

Coppia di bracci stabilizzatori, che al posto di quelli standard permettono di allargare l'interasse di stabilizzazione da 5410mm a 6720mm a tutto vantaggio della stabilità del complesso gru/veicolo in fase di lavoro.

6.3 OUTRIGGERS BOOMS IN EXTRA LARGE VERSION (Fig. 6.2)

Couple of special outriggers booms can be installed in alternative to the outriggers booms in std version. They give a wheel base of 6720 mm (22' 1") and this let a better stability of the truck.



6.4 PM SERIE 35 S / 40 SP PT GRU CON ANTENNA (Fig. 6.3)

6.4 PM SERIE 35 S / 40 SP PT CRANE WITH JIB (Fig.6.3)

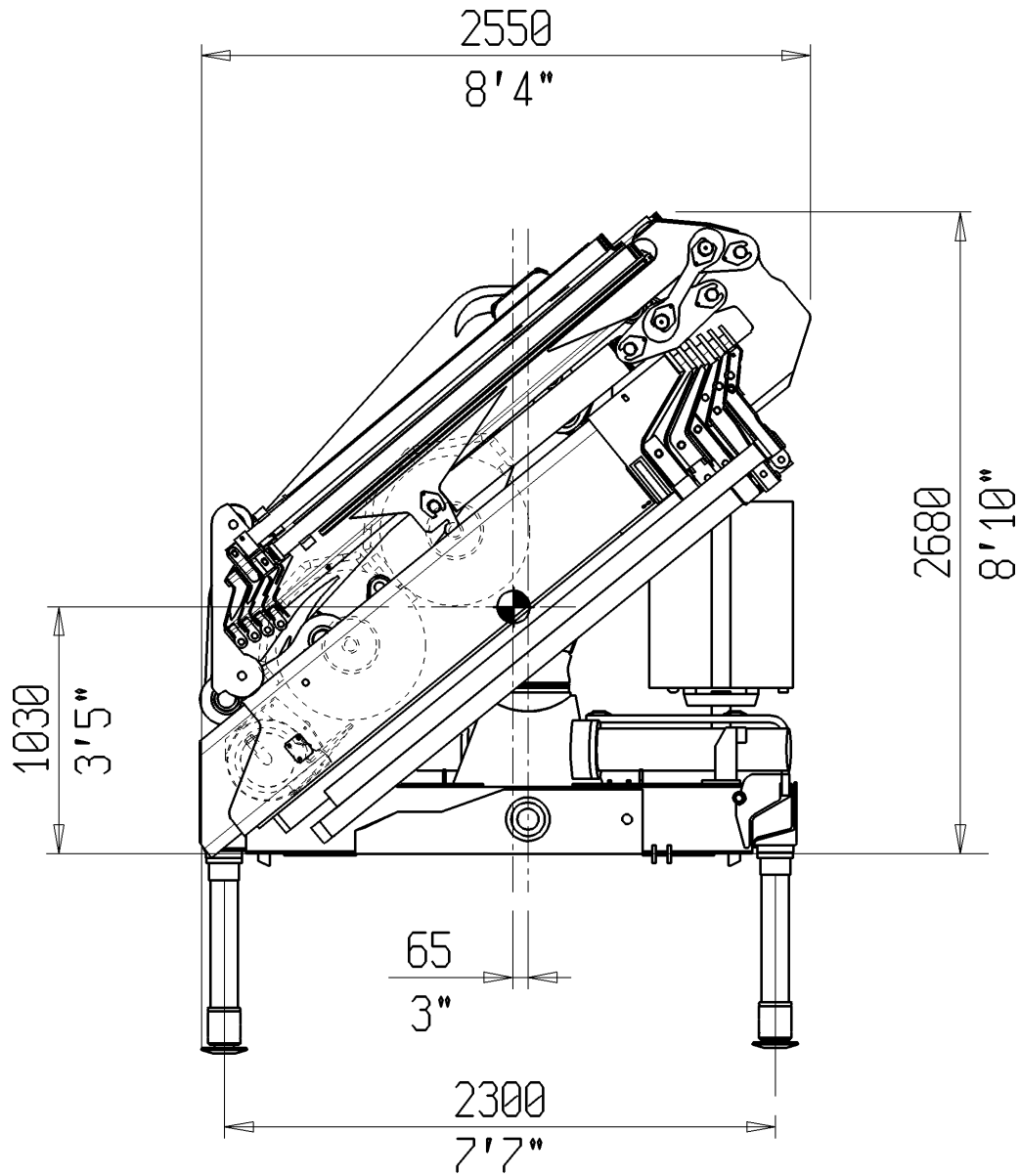


Fig.6-3