Pocket



PM
truck mounted cranes

100 SP PM
PM

UTILIZZI - FINAL USES - UTILISATION - VERWENDUNG - UTILIZACIONES

Le gru per autocarro PM sono sviluppate in linea con le esigenze della clientela ed offrono il massimo delle prestazioni per qualsiasi tipo di applicazione.

PM Truck Mounted Cranes are developed following the current customers' needs and they offer as well the maximum performance for any kind of application.

Les grues sur camion Pm sont étudiées pour les exigences de nos clients et offrent les meilleures performances pour toutes les emplois.

PM Ladekrane werden gemäß den Kundenanforderungen entwickelt und bieten maximale Leistung für jede Art von Anwendung.

Las grúas PM para camiones han sido desarollada según las necesidades de los clientes y ofrecen el maximo rendimiento para cualquier tipo de utilización.

- Edilizia e costruzioni
- Building Sector
- Bâtiment et construction
- Vermiet-und Baugewerbe
- Sector de la construcción



- Manutenzione del verde
- Gardening Sector
- Entretien du vert
- Garden-und Landschaftsbau
- Jardinería



- Movimentazione container
- Container loading
- Manutention conteneur
- Containertransport
- Movilización de los contenedores





- Sollevamento oggetti ingombranti
- Heavy-Duty objects Handling
- Levage objets encombrant
- Sperrgutverladung
- Levantamiento objectos voluminosos

- Escavazione
- Mining Industry
- Excavation
- Baggerarbeiten
- Excavación





- Trasporto macchinari pesanti
- Heavy-Duty machinery handling
- Transport outillages lourds
- Schwerlasttransport
- Transporte de Maquinarias Pesadas

- Movimentazione blocchi di calcestruzzo
- Concrete blocks Handling
- Manutention blocs de bêton
- Bausstofftransport
- Movilización de bloques de hormingón





- Movimentazione barche
- Ships handling
- Manutention bateaux
- Bootstransport
- Movilización de barcos



- Posizionamento prefabbricati
- Prefab material handling and positioning
- Positionnement préfabriqué
- Fertigteilhaustransport
- Colocación prefabricados

- Rimozione rifiuti
- Garbage removal
- Enlèvement des ordures
- Recycling
- Recogida de basura





- Mezzi di soccorso
- Rescue Trucks
- Moyen de secours
- Rettungsfahrzeuge
- Medios de socorro

EQUIPAGGIAMENTO DI SERIE - STANDARD CONFIGURATION - EQUIPEMENT STANDARD - SERIENMÄSSIG EQUIPO DE SERIE



Cremagliera
Slewing by rack
Rotation avec crémaillère
Zahnstangenschwenkwerk
Rotación con cremallera de giro



Configurazione LC
LC configuration
Configuration LC
LC Ausführung
Configuración LC



Ralla
Slewing ring
Rotation Continue
Endlosschwenkwerk
Rotaciòn



Bracci stabilizzatori a sfilo manuale
Manual pull-out outrigger booms
Bras stabilisateur à extension manuelle
Manuelle Abstützungen
Brazos estabilizadores a salida manual



Mono biella
Single linkage
Mono Biellette
Kniegelenk
Biela Simple



Bracci stabilizzatori a sfilo idraulico
Hydraulic pull-out outrigger booms
Bras stabilisateur à extension hydraulique
Hydraulische Abstützungen
Brazos estabilizadores a salida hidraulica



Doppia biella
Double linkage
Double biellette
Doppelkniegelenk
Doble biela



Uscita sequenziale sfilo bracci
Extention sequence boom
Sortie verins téléscopiques en séquence
Anzahl der Ausschubzylinder
Salida secuenciál de los brazos



Radiocomando multifunzionale
Multifunction radio control
Radio commande multifonctions
Funkfernsteuerung
Radiomando multifunción



Kit valvola di blocco rotazione
Slewing lock valve
Soupape d'arrêt rotation
Schwenkwinkelbegrenzung
Kit bloqueo de rotación



Martinetti stabilizzatori rotanti idraulici
Hydraulic flip up outriggers
Vérins privotants hydrauliquement
Hydraulisch schwenkbare Abstützzylinder
Brazos estabilizadores giratorios hidraulicos



Distributore Idraulico proporzionale compensato
Proportional hydraulic control valve block compensated
Distributeur hydraulique proportionnel compensé
Proportionaler Steuerventilblock kompensiert
Distribuidor hidraulico proporcionál compensado



Martinetti stabilizzatori rotanti manuali
Manual flip up outriggers
Vérins pivotant manuellement
Manuell schwenkbare Abstützzylinder
Brazos estabilizadores rodandes manuales



Blocco rotazione meccanico esterno
External mechanical slewing limiter
Limiteur de rotation mécanique extérieur
Externe Drehblockierung
Paro rotación mecánico externo



Dispositivo automatico sicurezze stabilizzatori inserite
Safety Kit for outriggers
Dispositif de sécurité stabilisateurs
Sicherheitskit für die Abstützungen
Kit de Seguridad para estabilizadores



Scambiatore di calore aria/olio
Oil cooler
Refroidisseur d'huile
Ölkühler
Enfriador de aceite



Valvola rigenerativa
Regenerative kit
Dispo regéneratif
Regenerationsventil
Válvula regenerativa



Stability
power system

ACCESSORI - ACCESSORIES - ACCESSOIRE - ACCESSORIOS - ZUBEHÖR



Scambiatore di calore aria/olio
Oil cooler
Refroidisseur d'huile
Ölkühler
Enfriador de aceite



Posto in alto
Top seat
Siège à la colonne
Hochsitzsteuerung
Mando en altura



Verricello idraulico su gru
Hydraulic winch on crane
Treuils hydrauliques
Hydraulische Winde am Kran
Cabrestante hidraulico sobre la grúa



Distributore Idraulico proporzionale
Proportional hydraulic control valve block
Distributeur hydraulique proportionnel
Hydraulische Proportional Steuerung
Distributor hidraulico proporcionál



Verricello idraulico su antenna
Hydraulic winch on the Jib
Treuils hydrauliques
Hydraulische Winde am Jib
Cabrestante hidraulico sobre el Jib



Avvolgitubo
Hose reel
Enrouleur pour activation
Umlenkrolle
Enrolladores



Antenna
Fly-Jib
Jib
Jib
Jib



Canaline raccogli tubo
Hose support for activations
Supports tuyaux pour activation
Schlauchketten für Zusatzgeräte
Bandejas



Posto in piedi
Stand up
Poste debout
Hochstand
Mando en altura



Radiocomando multifunzione
Multifunction radio control
Radio commande multifonctions
Funkfernsteuerung
Radiomando multifunción



Momento di sollevamento massimo
Maximum lifting moment
Moment de levage max
Max. Lastmoment
Momento del elevaciòn màxima



Larghezza
Width
Largeur
Breite
Anchura



Impianto oleodinamico
Hydraulic system
Circuit hydraulique
Hydraulikanlage
Sistema hidráulico



Altezza
Height
Hauteur
Höhe
Altitud



Gruppo di rotazione
Slewing system
Rotation
Schwenksystem
Sistema de giro



Profonditá
Depth
Profondeur
Tiefe
Profundidad

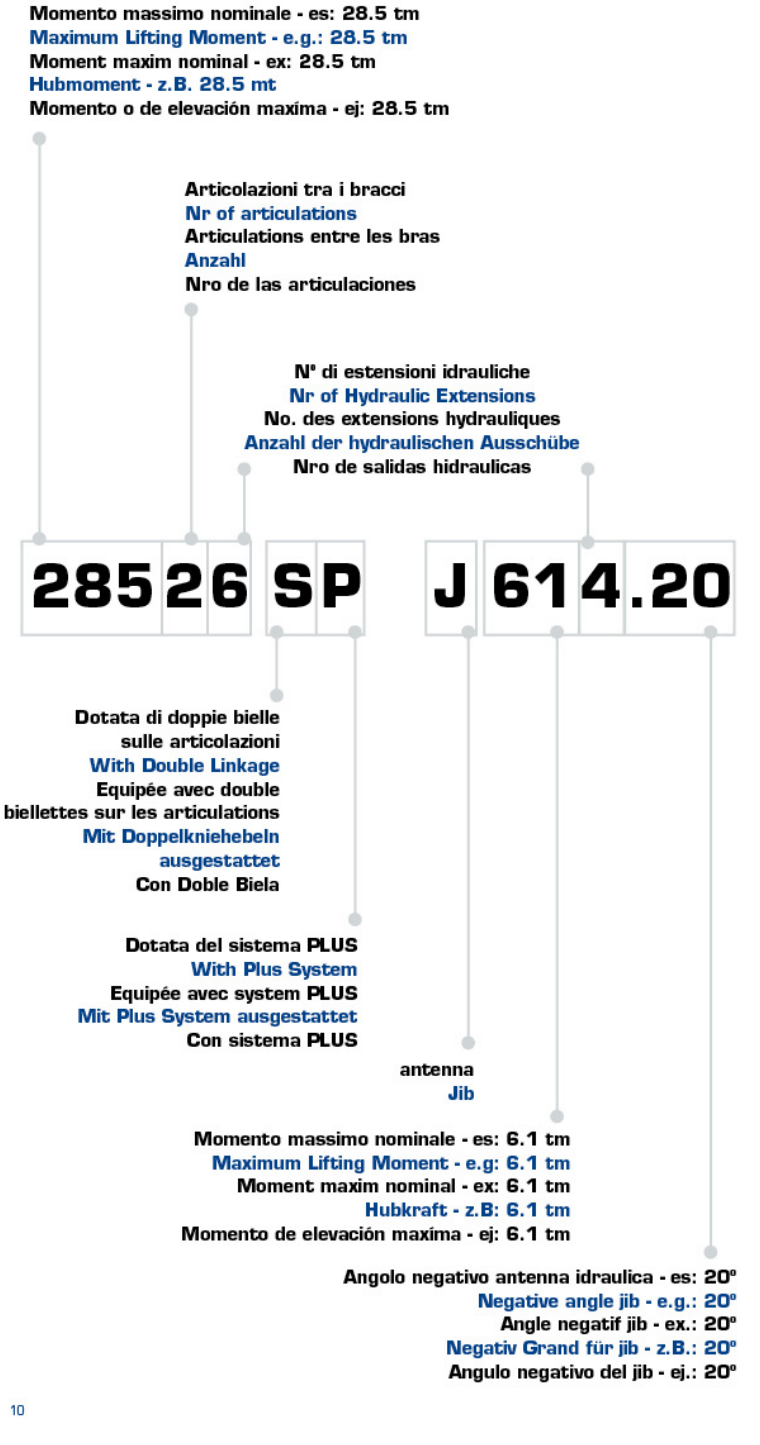


Peso della gru
Crane weight
Poids de la grue
Eigengewicht
Peso de la grúa

ESEMPIO - EXAMPLE - EJEMPLO - EXEMPLE - BEISPIEL

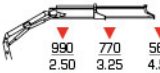
tm	ft lbs	l/min	gals/min	Mpa	Psi	°	kg. ST	lbs ST	kg. LC	lbs LC	mm	ft	mm	ft	mm	ft

COME SI LEGGONO I MODELLI PM - HOW TO READ PM CRANE MODELS - COMMENT LIRE LES SERIES PM - WIE DIE MODELLBEZEICHNUNG ZU VERSTEHEN IST - COMO LEER LOS MODELOS PM



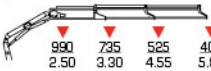
2.8 12
3 P 13
3.6 14
3.9 P 15
4.5 16
5 P 18
6 19
6.5 P 20
8 - 8 LC 21
8.5 P - 8.5 P LC 22
9 - 9 LC 23
9.5 P - 9.5 P LC 24
11 - 11 LC 26
11.5 P - 11.5 P LC 28
12 - 12 LC 30
12.5 S - 12.5 S LC 32
13 P - 13 P LC 34
13.5 SP - 13.5 SP LC 36
15.5 38
16.5 S - 16.5 S LC 40
18 SP - 18 SP LC 42
19 - 19 LC 44
21 - 21 LC 46
21.5 S - 21.5 S LC 48
23 P - 23 P LC 50
23.5 SP - 23.5 SP LC 52
24 PX 54
27.5 PX 56
28.5 SP - 28.5 SP LC 58
30.5 SP - 30.5 SP LC 62
32.5 S PX 64
36.5 S 66
38.5 SP - 38.5 SP LC 68
40.5 SP - 40.5 SP LC 70
47.5 SP 72
47.5 SP C 78
48.5 SP 80
48.5 SP C 84
50.5 SP 86
50.5 PX 87
50.5 SP C 88
50.5 PX C 89
51.5 SP 90
51.5 SP C 91
57.5 SP 92
57.5 PX 96
57.5 SP C 98
57.5 PX C 99
58.5 SP 100
58.5 SP C 104
65 SP 106
85 SP 110
100 SP 112
150 SP 114
210 SP 116
12 LA - 14 P LA 118
17 LA - 19 P LA 119
POWER LIFT 120
TP 122

2821



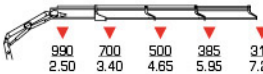
990	770	560	Kg
2.50	3.25	4.50	m
2185	1700	1230	lbs
8' 2"	10' 8"	14' 9"	ft

2822



990	735	525	400	Kg
2.50	3.30	4.55	5.85	m
2185	1620	1160	880	lbs
8' 2"	10' 10"	14' 11"	19' 2"	ft

2823



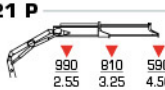
990	700	500	385	315	Kg
2.50	3.40	4.65	5.95	7.20	m
2185	1540	1100	850	690	lbs
8' 2"	11' 2"	15' 3"	19' 6"	23' 7"	ft



	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	kg. ST	lbs ST	mm	ft	mm	ft	mm	ft
2821	2,5	18230	10/12	3	23	3340	360	395	870	1800	5'11"	1540	5'1'	500	1'8"
2822	2,4	17540	10/12	3	23	3340	360	425	935	1800	5'11"	1540	5'1'	500	1'8"
2823	2,4	17210	10/12	3	23	3340	360	450	990	1800	5'11"	1540	5'1'	500	1'8"

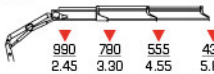
Plus

3021 P



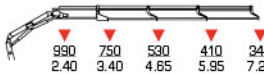
990	810	590	Kg
2.55	3.25	4.50	m
2180	1790	1300	lbs
9' 4"	10' 8"	14' 9"	ft

3022 P



990	790	555	435	Kg
2.45	3.30	4.55	5.85	m
2180	1720	1220	960	lbs
9' 0"	10' 10"	14' 11"	19' 2"	ft

3023 P

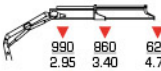


990	750	530	410	340	Kg
2.40	3.40	4.65	5.95	7.20	m
2180	1650	1170	900	750	lbs
7' 10"	11' 2"	15' 3"	19' 6"	23' 7"	ft



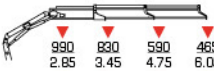
	tm	ft lbs	L/min	gals/min	Mpa	Psi	°	kg ST	lbs ST	mm	ft	mm	ft	mm	ft
3021 P	2,7	19200	10/12	3	24,5	3550	360	395	870	1800	5'11"	1540	5'1'	500	1'8"
3022 P	2,6	18620	10/12	3	24,5	3550	360	425	940	1800	5'11"	1540	5'1'	500	1'8"
3023 P	2,6	18440	10/12	3	24,5	3550	360	450	995	1800	5'11"	1540	5'1'	500	1'8"

3621



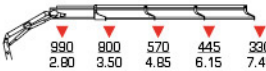
990	860	620	Kg
2.95	3.40	4.70	m
2180	1890	1370	lbs
9' 6"	11' 2"	15' 5"	ft

3622



990	830	590	465	Kg
2.85	3.45	4.75	6.05	m
2185	1830	1305	1030	lbs
9' 6"	11' 4"	15' 7"	19' 10"	ft

3623



990	800	570	445	330	Kg
2.80	3.50	4.85	6.15	7.45	m
2180	1760	1260	980	730	lbs
9' 2"	11' 6"	15' 11"	20' 2"	24' 5"	ft



	tm	ft lbs	l/min	gals/min	Mpa	Psi		ST	ST	mm	ft	mm	ft	mm	ft
3621	2,9	21150	10/12	3	25	3630	360	425	935	1880	6'2"	1605	5'3'	500	1'8"
3622	2,9	20710	10/12	3	25	3630	360	455	1005	1880	6'2"	1605	5'3'	500	1'8"
3623	2,8	20250	10/12	3	25	3630	360	480	1060	1880	6'2"	1605	5'3'	500	1'8"

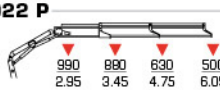
Plus

3921 P



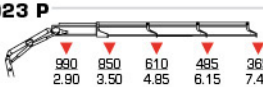
990	900	650	Kg
3.00	3.40	4.70	m
2180	1980	1430	lbs
9' 10"	11' 2"	15' 5"	ft

3922 P



990	880	630	500	Kg
2.95	3.45	4.75	6.05	m
2185	1945	1390	1100	lbs
9' 8"	11' 4"	15' 7"	19' 10"	ft

3923 P

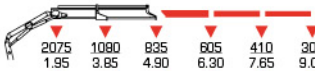


990	850	610	485	365	Kg
2.90	3.50	4.85	6.15	7.45	m
2180	1870	1340	1070	800	lbs
9' 6"	11' 6"	15' 11"	20' 2"	24' 5"	ft



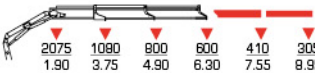
	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	ST	ST	mm	ft	mm	ft	mm	ft
3921 P	3,1	22130	10/12	3	26,5	3840	360	425	940	1880	6'2"	1605	5'3'	500	1'8"
3922 P	3	21960	10/12	3	26,5	3840	360	455	1005	1880	6'2"	1605	5'3'	500	1'8"
3923 P	3	21960	10/12	3	26,5	3840	360	480	1060	1880	6'2"	1605	5'3'	500	1'8"

4521



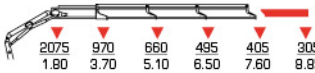
2075	1080	835	605	410	305	Kg
1.95	3.85	4.90	6.30	7.65	9.00	m
4570	2380	1840	1330	900	670	lbs
6' 5"	12' 8"	16' 1"	20' 8"	25' 1"	29' 6"	ft

4522



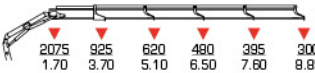
2075	1080	800	600	410	305	Kg
1.90	3.75	4.90	6.30	7.55	8.95	m
4570	2380	1760	1320	900	670	lbs
6' 3"	12' 4"	16' 1"	20' 8"	24' 9"	29' 4"	ft

4523



2075	970	660	495	405	305	Kg
1.80	3.70	5.10	6.50	7.60	8.85	m
4570	2140	1450	1090	890	670	lbs
5' 11"	12' 2"	16' 9"	21' 4"	24' 11"	29' 0"	ft

4524



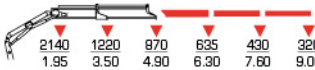
2075	925	620	480	395	300	Kg
1.70	3.70	5.10	6.50	7.60	8.85	m
4570	2040	1370	1060	870	660	lbs
5' 11"	12' 2"	16' 9"	21' 4"	24' 11"	29' 0"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	kg. ST	lbs ST	mm	ft	mm	ft	mm	ft
4521	4,2	30070	10/12	3	25,5	3700	360	530	1170	2035	6'8"	1830	6'0"	600	2'
4522	4,1	29290	10/12	3	25,5	3700	360	570	1260	2035	6'8"	1830	6'0"	600	2'
4523	3,7	27020	10/12	3	25,5	3700	360	600	1325	2080	6'10"	1830	6'0"	600	2'
4524	3,5	25510	10/12	3	25,5	3700	360	620	1370	2160	7'1"	1830	6'0'	600	2'



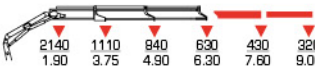
Plus

5021 P



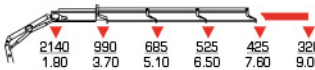
2140	1220	970	635	430	320	Kg
1.95	3.50	4.90	6.30	7.60	9.00	m
4720	2690	1930	1400	950	700	lbs
6' 5"	11' 6"	16' 1"	20' 8"	24' 11"	29' 6"	ft

5022 P



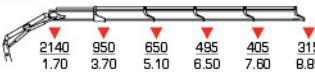
2140	1110	840	630	430	320	Kg
1.90	3.75	4.90	6.30	7.60	9.00	m
4720	2450	1855	1390	950	700	lbs
6' 3"	12' 4"	16' 1"	20' 8"	24' 11"	29' 6"	ft

5023 P



2140	990	685	525	425	320	Kg
1.80	3.70	5.10	6.50	7.60	9.00	m
4720	2180	1510	1160	940	700	lbs
5' 11"	12' 2"	16' 9"	21' 4"	24' 11"	29' 6"	ft

5024 P



2140	950	650	495	405	315	Kg
1.70	3.70	5.10	6.50	7.60	8.95	m
4720	2090	1430	1090	890	690	lbs
5' 7"	12' 2"	16' 9"	21' 4"	24' 11"	29' 0"	ft



	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	ST kg.	ST lbs	mm	ft	mm	ft	mm	ft
5021 P	4,7	33970	10/30	3/8	26	3770	360	530	1170	2035	6'8"	1830	6'	600	1'9"
5022 P	4,2	30110	10/30	3/8	26	3770	360	570	1260	2035	6'8"	1830	6'	600	1'9"
5023 P	3,9	27860	10/30	3/8	26	3770	360	600	1325	2080	6'10"	1830	6'	600	1'9"
5024 P	3,6	26310	10/30	3/8	26	3770	360	620	1370	2160	7'1"	1830	6'	600	1'9"

6021



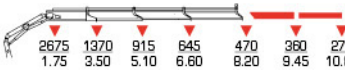
2675	1585	1070	735	490	360	275	Kg
1.85	3.35	4.90	6.55	8.15	9.45	10.8	m
5900	3490	2360	1620	1060	790	610	lbs
6' 1"	11'	16' 1"	21' 6"	26' 9"	31' 0"	35' 5"	ft

6022



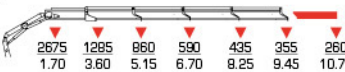
2675	1500	1010	730	480	360	275	Kg
1.80	3.45	5.00	6.55	8.15	9.45	10.8	m
5620	3310	2230	1620	1060	790	610	lbs
5' 11"	11' 4"	16' 5"	21' 6"	26' 9"	31' 0"	35' 5"	ft

6023



2675	1370	915	645	470	360	275	Kg
1.75	3.50	5.10	6.60	8.20	9.45	10.80	m
5900	3020	2020	1420	1040	790	610	lbs
5' 9"	11' 6"	16' 9"	21' 8"	26' 11"	31' 0"	35' 5"	ft

6024



2675	1285	860	590	435	355	260	Kg
1.70	3.60	5.15	6.70	8.25	9.45	10.75	m
5900	2835	1900	1300	960	780	570	lbs
5' 7"	11' 10"	16' 11"	22'	27' 1"	31' 0"	35' 3"	ft



	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	ST kg.	ST lbs	mm	ft	mm	ft	mm	ft
6021	5,3	38410	20	5	27,5	3990	390	740	1635	2290	7'6"	1985	6'6"	700	2'4"
6022	5,3	38180	20	5	27,5	3990	390	790	1745	2290	7'6"	1985	6'6"	700	2'4"
6023	4,8	34680	20	5	27,5	3990	390	840	1855	2290	7'6"	1985	6'6"	700	2'4"
6024	4,6	33460	20	5	27,5	3990	390	880	1945	2290	7'6"	1985	6'6"	700	2'4"

Plus

6521 P



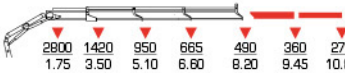
2800	1650	1120	735	490	360	275	Kg
1.85	3.35	4.90	6.55	8.15	9.45	10.80	m
6170	3640	2360	1620	1060	790	610	lbs
6' 1"	11'	16' 1"	21' 6"	28' 9"	31' 0"	35' 5"	ft

6522 P



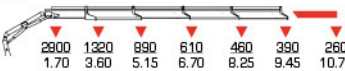
2800	1570	1060	770	490	360	275	Kg
1.80	3.45	5.00	6.55	8.15	9.45	10.80	m
6170	3460	2230	1700	1060	790	610	lbs
5' 11"	11' 4"	16' 5"	21' 6"	28' 9"	31' 0"	35' 5"	ft

6523 P



2800	1420	950	665	490	360	275	Kg
1.75	3.50	5.10	6.60	8.20	9.45	10.80	m
6170	3130	2090	1470	1090	790	610	lbs
5' 9"	11' 6"	16' 9"	21' 8"	28' 11"	31' 0"	35' 5"	ft

6524 P



2800	1320	890	610	460	390	260	Kg
1.70	3.60	5.15	6.70	8.25	9.45	10.75	m
6170	2910	1970	1340	1010	860	570	lbs
5' 7"	11' 10"	16' 11"	22'	27' 1"	31' 0"	35' 3"	ft



	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	kg. ST	lbs ST	mm	ft	mm	ft	mm	ft
6021 P	5,5	39980	20/30	5/8	28,5	4130	390	740	1635	2290	7'6"	1985	6'6"	750	2'6"
6022 P	5,4	39180	20/30	5/8	28,5	4130	390	790	1745	2290	7'6"	1985	6'6"	750	2'6"
6023 P	5,0	35950	20/30	5/8	28,5	4130	390	840	1855	2290	7'6"	1985	6'6"	750	2'6"
6024 P	4,8	34430	20/30	5/8	28,5	4130	390	880	1945	2290	7'6"	1985	6'6"	750	2'6"

8021



3200	1930	1315	895	615	435	240	Kg
2.00	3.45	5.10	6.95	8.85	10.70	11.60	m
7050	4250	2900	1970	1350	960	530	lbs
6' 7"	11' 4"	16' 9"	22' 10"	29' 0"	35' 1"	41' 4"	ft

8022



3100	1830	1235	890	615	435	240	Kg
2.00	3.55	5.20	6.90	8.70	10.60	12.60	m
6830	4030	2720	1960	1350	960	530	lbs
6' 7"	11' 8"	17' 1"	22' 8"	28' 7"	34' 9"	41' 4"	ft

8023



2620	1685	1100	800	590	435	240	Kg
2.20	3.60	5.25	6.95	8.70	10.60	12.60	m
5780	3710	2420	1760	1300	960	530	lbs
7' 3"	11' 10"	17' 3"	22' 10"	28' 7"	34' 9"	41' 4"	ft

8024



2550	1600	1020	750	535	430	240	Kg
2.20	3.70	5.35	7.05	8.80	10.50	12.50	m
5620	3530	2250	1650	1180	950	530	lbs
7' 3"	12' 2"	17' 7"	23' 2"	28' 10"	34' 5"	41' 0"	ft



							kg.	lbs	kg.	lbs						
	tm	ft lbs	l/min	gals/min	Mpa	Psi		ST	ST	LC	LC	mm	ft	mm	ft	mm	ft
8021	6,7	48510	20	5	27	3920	400	880	1945	-	-	2325	7'8"	1900	6'3"	710	2'4"
8022	6,5	46990	20	5	27	3920	400	940	2075	995	2195	2325	7'8"	1900	6'3'	710	2'4"
8023	6,1	43880	20	5	27	3920	400	1000	2205	1055	2330	2325	7'8"	1900	6'3'	710	2'4"
8024	5,9	42820	20	5	27	3920	400	1060	2340	-	-	2325	7'8"	1900	6'3'	750	2'6"

Plus

8521 P



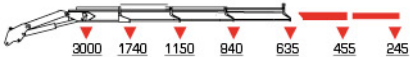
3200	2000	1390	935	645	455	245	Kg
2.00	3.45	5.10	6.95	8.85	10.70	12.60	m
7050	4410	3040	2060	1420	1000	540	lbs
6' 7"	11' 4"	16' 9"	22' 10"	29' 0"	35' 1"	41' 4"	ft

8522 P



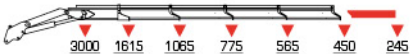
3200	1925	1280	930	645	455	245	Kg
2.00	3.55	5.20	6.90	8.70	10.60	12.60	m
7050	4240	2820	2050	1420	1000	540	lbs
6' 7"	11' 8"	17' 1"	22' 8"	28' 7"	34' 9"	41' 4"	ft

8523 P



3000	1740	1150	840	635	455	245	Kg
2.00	3.60	5.25	6.95	8.70	10.60	12.60	m
6610	3840	2530	1850	1400	960	530	lbs
6' 7"	11' 10"	17' 3"	22' 10"	28' 7"	34' 9"	41' 4"	ft

8524 P



3000	1615	1065	775	565	450	245	Kg
1.90	3.70	5.35	7.05	8.80	10.50	12.50	m
6610	3560	2350	1710	1240	990	540	lbs
6' 3"	12' 1"	17' 7"	23' 2"	28' 10"	34' 5"	41' 0"	ft

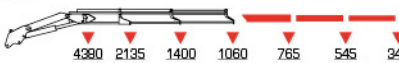
	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	ST kg.	ST lbs	LC kg.	LC lbs	mm	ft	mm	ft	mm	ft
8521 P	7	50810	20/30	5/8	28	4060	400	880	1945	-	-	2325	7'8"	1900	6'3"	710	24"
8522 P	6,8	49430	20/30	5/8	28	4060	400	940	2075	995	2195	2325	7'8"	1900	6'3"	710	24"
8523 P	6,3	45310	20/30	5/8	28	4060	400	1000	2205	1055	2330	2325	7'8"	1900	6'3"	710	24"
8524 P	6	43220	20/30	5/8	28	4060	400	1060	2340	-	-	2325	7'8"	1900	6'3"	750	24"

9021



4380	2320	1550	Kg
2.00	3.70	5.40	m
9660	5110	3420	lbs
6' 7"	12' 2"	17' 9"	ft

9022



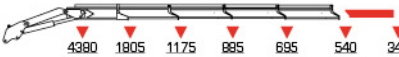
4380	2135	1400	1060	765	545	340	Kg
1.95	3.80	5.45	7.15	9.00	10.85	12.75	m
9660	4710	3090	2340	1690	1200	750	lbs
6' 5"	12' 6"	17' 11"	23' 5"	29' 6"	35' 7"	41' 10"	ft

9023



4380	2000	1280	955	760	545	340	Kg
1.90	3.90	5.55	7.20	9.00	10.85	12.75	m
9660	4410	2820	2110	1670	1200	750	lbs
6' 3"	12' 10"	18' 3"	23' 7"	29' 6"	35' 7"	41' 10"	ft

9024



4380	1805	1175	885	695	540	340	Kg
1.80	3.95	5.60	7.30	9.00	10.80	12.75	m
9660	3980	2590	1950	1530	1190	750	lbs
5' 11"	13'	18' 4"	23' 11"	29' 6"	35' 5"	41' 10"	ft

9022 + J11



500	400	250	150	Kg
9.50	10.90	12.40	13.85	m
1100	880	550	330	lbs
31' 2"	35' 9"	40' 8"	45' 5"	ft

9022 + J12



450	350	250	150	Kg
9.60	11.00	12.40	13.85	m
990	770	550	330	lbs
31' 6"	36' 1"	40' 8"	45' 5"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi		kg.	lbs	kg.	lbs	mm	ft	mm	ft	mm	ft
								ST	ST	LC	LC						
9021	8,8	63360	30	8	26,5	3840	400	1060	2340	-	-	2390	7'10"	1985	6'6"	680	2'3"
9022	8,5	61780	30	8	26,5	3840	400	1150	2540	1200	2650	2390	7'10"	1985	6'6"	680	2'3"
9023	8,3	60190	30	8	26,5	3840	400	1210	2670	1270	2800	2390	7'10"	1985	6'6"	680	2'3"
9024	7,9	57030	30	8	26,5	3840	400	1280	2825	-	-	2390	7'10"	1985	6'6"	680	2'3"
9022 + J11	-		30	8	26,5	3840		1490	3285			2350	7'9"	1985	6'6"	830	2'3"
9022 + J12	-		30	8	26,5	3840		1545	3410			2350	7'9"	1985	6'6"	830	2'3"

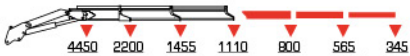
Plus

9521 P



4450	2400	1630	Kg
2.00	3.70	5.40	m
9810	5290	3590	lbs
6' 7"	12' 2"	17' 9"	ft

9522 P



4450	2200	1455	1110	800	565	345	Kg
1.95	3.80	5.45	7.15	9.00	10.85	12.75	m
9810	4850	3210	2420	1760	1240	760	lbs
6' 5"	12' 6"	17' 11"	23' 5"	29' 6"	35' 7"	41' 10"	ft

9523 P



4450	2100	1335	990	795	545	340	Kg
1.9	3.9	5.55	7.20	9.00	10.85	12.75	m
9810	4630	2940	2180	1750	1200	750	lbs
6' 3"	12' 10"	18' 3"	23' 7"	29' 6"	35' 7"	41' 10"	ft

9524 P



4450	1900	1245	910	725	560	345	Kg
1.80	3.95	5.60	7.30	9.00	10.80	12.75	m
9815	4190	2740	2010	1600	1230	760	lbs
5' 11"	13'	18' 4"	23' 11"	29' 6"	35' 5"	41' 10"	ft

9522 P + J11



500	400	250	150	Kg
9.50	10.90	12.40	13.85	m
1100	880	550	330	lbs
31' 2"	35' 9"	40' 8"	45' 5"	ft

9522 P + J12



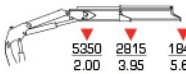
450	350	250	150	Kg
9.60	11.00	12.40	13.85	m
990	770	550	330	lbs
31' 6"	36' 1"	40' 8"	45' 5"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°
9521 P	8,9	64370	30/40	8/11	27,5	3990	400
9522 P	8,7	62760	30/40	8/11	27,5	3990	400
9523 P	8,5	61160	30/40	8/11	27,5	3990	400
9524 P	7,5	54280	30/40	8/11	27,5	3990	400
9522 P + J11	-	-	30/40	8/11	27,5	3990	400
9522 P + J12	-	-	30/40	8/11	27,5	3990	400



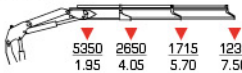
kg. ST	lbs ST	kg. LC	lbs LC	mm	ft	mm	ft	mm	ft
1060	2340	-	-	2390	7'10"	1985	6'6"	680	2'3"
1150	2540	1200	2650	2390	7'10"	1985	6'6"	680	2'3"
1210	2670	1270	2800	2390	7'10"	1985	6'6"	680	2'3"
1280	2825	-	-	2390	7'10"	1985	6'6"	680	2'3"
1490	3285			2350	7'9"	1985	6'6"	630	2'9"
1545	3410			2350	7'9"	1985	6'6"	630	2'9"

11021



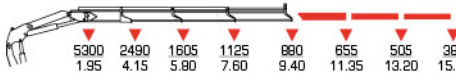
5350	2815	1840	Kg
2.00	3.95	5.60	m
11790	6210	4060	lbs
6' 7"	13' 0"	18' 4"	ft

11022



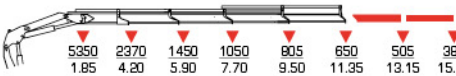
5350	2650	1715	1230	Kg
1.95	4.05	5.70	7.50	m
11790	5840	3780	2710	lbs
6' 5"	13' 3"	18' 8"	24' 7"	ft

11023



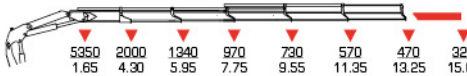
5300	2490	1605	1125	880	655	505	380	Kg
1.95	4.15	5.80	7.60	9.40	11.35	13.20	15.10	m
10800	5110	3310	2310	1810	1320	1040	830	lbs
6' 3"	13' 7"	19' 0"	24' 11"	30' 10"	37' 3"	43' 4"	49' 6"	ft

11024



5350	2370	1450	1050	805	650	505	380	Kg
1.85	4.20	5.90	7.70	9.50	11.35	13.15	15.05	m
11790	5220	3200	2310	1770	1430	1110	840	lbs
6' 1"	13' 9"	19' 4"	25' 3"	31' 2"	37' 3"	43' 2"	49' 5"	ft

11025



5350	2000	1340	970	730	570	470	320	Kg
1.65	4.30	5.95	7.75	9.55	11.35	13.25	15.05	m
11790	4410	2950	2140	1610	1260	1040	700	lbs
5' 5"	14' 1"	19' 6"	25' 5"	31' 4"	37' 3"	43' 6"	49' 5"	ft

11023 + J12



450	350	250	150	Kg
11.80	13.20	14.60	16.10	m
990	770	550	330	lbs
38' 9"	43' 4"	47' 11"	52' 10"	ft

11024 + J12



280	240	200	100	Kg
13.80	15.20	16.60	18.05	m
620	530	440	220	lbs
45' 3"	49' 10"	54' 6"	59' 3"	ft

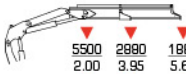
	tm	ft lbs	l/min	gals/min	Mpa	Psi	°
11021	11,1	80430	30	8	27,5	3990	400
11022	10,7	77630	30	8	27,5	3990	400
11023	10,3	74750	30	8	27,5	3990	400
11024	10,0	72000	30	8	27,5	3990	400
11025	8,8	63850	30	8	27,5	3990	400
11023 + J12	-	-	30	8	27,5	3990	400
11024 + J12	-	-	30	8	27,5	3990	400



	kg.	lbs	kg.	lbs						
	ST	ST	LC	LC	mm	ft	mm	ft	mm	ft
	1160	2560	1240	2735	2410	7'11"	2068	6'9"	780	2'6"
	1250	2760	1330	2935	2410	7'11"	2068	6'9"	780	2'6"
	1340	2955	1420	3135	2410	7'11"	2068	6'9"	780	2'6"
	1420	3135	1500	3310	2410	7'11"	2068	6'9"	780	2'6"
	1490	3285	-		2410	7'11"	2068	6'9"	920	3'0"
	1740	3840	-		2410	7'11"	2068	6'9"	900	2'11"
	1835	4050	-		2500	8'2"	2068	6'9"	900	2'11"

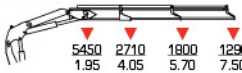
Plus

11521 P



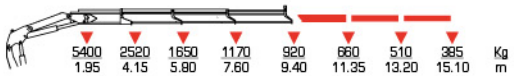
5500	2980	1980	Kg
2.00	3.95	5.60	m
12120	6350	4140	lbs
6' 7"	13' 0"	18' 4"	ft

11522 P



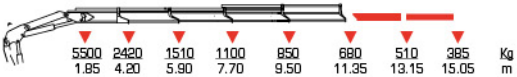
5450	2710	1800	1290	Kg
1.95	4.05	5.70	7.50	m
12010	5970	3970	2840	lbs
6' 5"	13' 3"	18' 8"	24' 7"	ft

11523 P



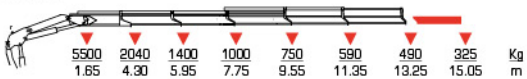
5400	2520	1650	1170	920	660	510	385	Kg
1.95	4.15	5.80	7.60	9.40	11.35	13.20	15.10	m
11900	5550	3640	2580	2030	1450	1120	850	lbs
6' 5"	13' 7"	19' 0"	24' 11"	30' 10"	37' 3"	43' 4"	49' 6"	ft

11524 P



5500	2420	1510	1100	850	680	510	385	Kg
1.85	4.20	5.90	7.70	9.50	11.35	13.15	15.05	m
12120	5330	3330	2420	1870	1500	1120	850	lbs
6' 1"	13' 9"	19' 4"	25' 3"	31' 2"	37' 3"	43' 2"	49' 5"	ft

11525 P



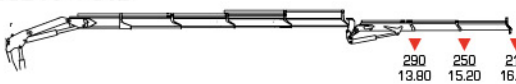
5500	2040	1400	1000	750	590	490	325	Kg
1.65	4.30	5.95	7.75	9.55	11.35	13.25	15.05	m
12120	4500	3090	2200	1650	1300	1080	720	lbs
5' 5"	14' 1"	19' 6"	25' 5"	31' 4"	37' 3"	43' 6"	49' 5"	ft

11523 P + J12



470	370	265	150	Kg
11.80	13.20	14.60	16.10	m
1040	810	580	330	lbs
38' 9"	43' 4"	47' 11"	52' 10"	ft

11024 P + J12



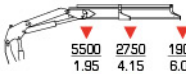
290	250	210	100	Kg
13.80	15.20	16.60	18.05	m
640	550	460	220	lbs
45' 3"	49' 10"	54' 6"	59' 3"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°
11521 P	11,4	82280	30/40	8/11	28	4060	400
11522 P	11,0	79390	30/40	8/11	28	4060	400
11523 P	10,5	76160	30/40	8/11	28	4060	400
11524 P	10,2	73600	30/40	8/11	28	4060	400
11525 P	9,1	65640	30/40	8/11	28	4060	400
11523 P + J12	-	-	30/40	8/11	28	4060	400
11524 P + J12	-	-	30/40	8/11	28	4060	400



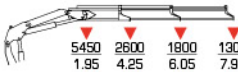
	kg.	lbs	kg.	lbs						
	ST	ST	LC	LC	mm	ft	mm	ft	mm	ft
	1160	2560	1240	2735	2410	7'11"	2068	6'9"	780	2'7"
	1250	2760	1330	2935	2410	7'11"	2068	6'9"	780	2'7"
	1340	2955	1420	3135	2410	7'11"	2068	6'9"	780	2'7"
	1420	3135	1500	3310	2410	7'11"	2068	6'9"	780	2'7"
	1490	3285	-		2410	7'11"	2068	6'9"	920	3'0"
	1740	3840	-		2410	7'11"	2068	6'9"	900	2'11"
	1835	4050	-		2500	8'2"	2068	6'9"	900	2'11"

12021



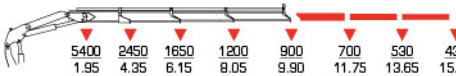
5500	2750	1900	Kg
1.95	4.15	6.00	m
12120	6060	4190	lbs
6' 5"	13' 7"	19' 8"	ft

12022



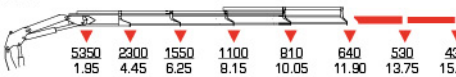
5450	2600	1800	1300	Kg
1.95	4.25	6.05	7.90	m
12010	5730	3970	2870	lbs
6' 5"	13' 11"	19' 10"	25' 11"	ft

12023



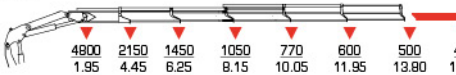
5400	2450	1650	1200	900	700	530	430	Kg
1.95	4.35	6.15	8.05	9.90	11.75	13.65	15.55	m
11900	5400	3640	2640	1980	1540	1170	950	lbs
6' 5"	14' 3"	20' 2"	26' 5"	32' 6"	38' 7"	44' 9"	51' 0"	ft

12024



5350	2300	1550	1100	810	640	530	430	Kg
1.95	4.45	6.25	8.15	10.05	11.90	13.75	15.65	m
11790	5070	3420	2420	1790	1410	1170	950	lbs
6' 5"	14' 7"	20' 6"	26' 9"	33' 0"	39' 1"	45' 1"	51' 4"	ft

12025



4800	2150	1450	1050	770	600	500	430	Kg
1.95	4.45	6.25	8.15	10.05	11.95	13.80	15.65	m
10580	4740	3200	2310	1700	1320	1100	950	lbs
6' 5"	14' 7"	20' 6"	26' 9"	33' 0"	39' 2"	45' 3"	51' 4"	ft

12023 + J11



530	430	270	170	Kg
12.30	13.70	15.15	16.60	m
1170	950	590	370	lbs
40' 4"	44' 11"	49' 8"	54' 6"	ft

12023 + J12



500	400	250	170	Kg
12.35	13.75	15.15	16.60	m
1100	980	550	370	lbs
40' 6"	45' 1"	49' 8"	54' 6"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°
12021	11,4	82540	30	8	27,5	3990	390
12022	11,1	79920	30	8	27,5	3990	390
12023	10,7	77080	30	8	27,5	3990	390
12024	10,4	75450	30	8	27,5	3990	390
12025	9,6	69200	30	8	27,5	3990	390
12023 + J11	-	-	30	8	27,5	3990	390
12023 + J12	-	-	30	8	27,5	3990	390





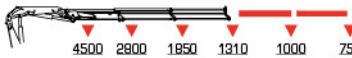
kg. ST	lbs ST	kg. LC	lbs LC	mm	ft	mm	ft	mm	ft
1380	3042	1420	3131	2520	8'2"	2125	7'	765	2'6"
1490	3285	1520	3351	2520	8'2"	2125	7'	765	2'6"
1595	3516	1610	3549	2520	8'2"	2125	7'	765	2'6"
1690	3726	1720	3792	2520	8'2"	2125	7'	765	2'6"
1790	3946	-	-	2520	8'2"	2125	7'	870	2'10"
1830	4034	-	-	2520	8'2"	2220	7'3"	920	3'0"
1900	4189	-	-	2520	8'2"	2220	7'3"	920	3'0"

12521 S



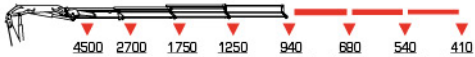
4500	3000	1910	Kg
2.30	3.90	6.00	m
9920	6610	4210	lbs
7' 7"	12' 10"	19' 8"	ft

12522 S



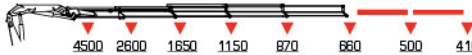
4500	2800	1850	1310	1000	750	Kg
2.25	4.10	5.95	8.10	10.00	11.90	m
9920	6170	4080	2890	2200	1650	lbs
7' 5"	13' 5"	19' 6"	26' 7"	32' 10"	39' 1"	ft

12523 S



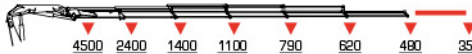
4500	2700	1750	1250	940	680	540	410	Kg
2.20	3.95	5.90	8.10	10.35	12.20	14.10	16.00	m
9920	5950	3860	2750	2070	1500	1190	900	lbs
7' 3"	13' 0"	19' 4"	26' 7"	33' 11"	40' 0"	46' 3"	52' 6"	ft

12524 S



4500	2600	1650	1150	870	660	500	410	Kg
2.15	4.15	6.05	8.15	10.20	12.60	14.50	16.40	m
9920	5730	3640	2530	1920	1450	1100	880	lbs
7' 1"	13' 7"	19' 10"	26' 9"	33' 6"	41' 4"	47' 7"	53' 10"	ft

12525 S



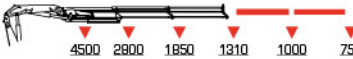
4500	2400	1400	1100	790	620	480	350	Kg
2.10	4.35	6.25	7.90	10.25	12.50	14.95	16.80	m
9920	5290	3090	2420	1740	1370	1060	772	lbs
6' 11"	14' 3"	20' 6"	25' 11"	33' 8"	41' 0"	49' 1"	55' 1"	ft

12521 S LC



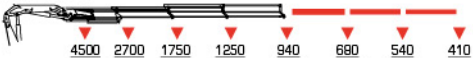
4500	3000	1910	Kg
2.30	3.90	6.00	m
9920	6610	4910	lbs
7' 7"	12' 10"	19' 8"	ft

12522 S LC



4500	2800	1850	1310	1000	750	Kg
2.25	4.10	5.95	8.10	10.00	11.90	m
9920	6170	4080	2890	2200	1650	lbs
7' 5"	13' 5"	19' 6"	26' 7"	32' 10"	39' 1"	ft

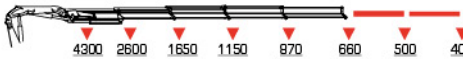
12523 S LC



4500	2700	1750	1250	940	680	540	410	Kg
2.20	3.95	5.90	8.10	10.35	12.20	14.10	16.00	m
9920	5950	3860	2750	2070	1500	1190	900	lbs
7' 5"	13' 0"	19' 4"	26' 7"	33' 11"	40' 0"	46' 3"	52' 6"	ft

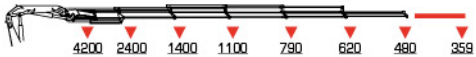
	tm	ft lbs	l/min	gals/min	Mpa	Psi	°
12521 S	11,8	85110	35/40	9/11	26	3770	406
12522 S	11,4	82330	35/40	9/11	26	3770	406
12523 S	11,0	79820	35/40	9/11	26	3770	406
12524 S	10,8	78040	35/40	9/11	26	3770	406
12525 S	10,4	75510	35/40	9/11	26	3770	406
12523 S + J252	-	-	35/40	9/11	26	3770	406
12024 S + J252	-	-	35/40	9/11	26	3770	406

12524 S LC



4300	2600	1650	1150	870	660	500	400	Kg
2.25	4.15	6.05	8.15	10.20	12.60	14.50	16.40	m
9480	5730	3640	2530	1920	1450	1100	880	lbs
7' 5"	13' 7"	19' 10"	26' 9"	33' 6"	41' 4"	47' 7"	53' 10"	ft

12525 S LC



4200	2400	1400	1100	790	620	480	359	Kg
2.25	4.35	6.25	7.90	10.25	12.50	14.95	16.80	m
9260	5290	3090	2425	1740	1370	1060	770	lbs
7' 5"	14' 3"	20' 6"	25' 11"	33' 8"	41' 0"	49' 1"	55' 1"	ft

12523 S LC + J252



500	420	370	Kg	
12.80	14.40	15.90	m	
1100	920	810	lbs	
42' 0"	47' 3"	52' 2"	ft	

12524 S LC + J252



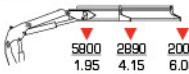
300	250	220	Kg	
15.10	16.65	18.20	m	
660	550	480	lbs	
49' 6"	54' 8"	59' 9"	ft	



	kg.	lbs	kg.	lbs						
	ST	ST	LC	LC	mm	ft	mm	ft	mm	ft
	1440	3175	1525	3365	2420	7'11"	2135	7'0'	770	2'6"
	1550	3420	1635	3605	2420	7'11"	2135	7'0'	770	2'6"
	1655	3650	1740	3840	2420	7'11"	2135	7'0'	770	2'6"
	1755	3870	1840	4060	2420	7'11"	2135	7'0'	865	2'10"
	1840	4060	1925	4245	2420	7'11"	2145	7'0'	865	2'10"
	2015	4445	-	-	2420	7'11"	2430	7'12"	970	3'2"
	2115	4665	-	-	2420	7'11"	2430	7'12"	970	3'2"

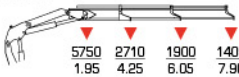
Plus

13021 P



5800	2890	2000	Kg
1.95	4.15	6.00	m
12790	6370	4410	lbs
6' 5"	13' 7"	19' 8"	ft

13022 P



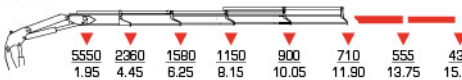
5750	2710	1900	1405	Kg
1.95	4.25	6.05	7.90	m
12680	5970	4190	3100	lbs
6' 5"	13' 11"	19' 10"	25' 11"	ft

13023 P



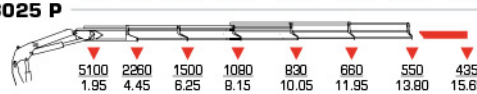
5650	2480	1700	1260	980	715	555	435	Kg
1.95	4.35	6.15	8.05	9.90	11.75	13.65	15.55	m
12460	5470	3750	2780	2160	1580	1220	960	lbs
6' 5"	14' 3"	20' 2"	26' 5"	32' 6"	38' 7"	44' 9"	51' 0"	ft

13024 P



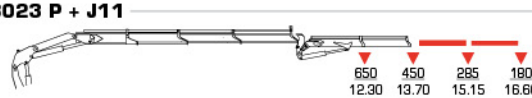
5550	2360	1580	1150	900	710	555	435	Kg
1.95	4.45	6.25	8.15	10.05	11.90	13.75	15.65	m
12230	5200	3480	2530	1980	1560	1220	960	lbs
6' 5"	14' 7"	20' 6"	26' 9"	33' 0"	39' 1"	45' 1"	51' 4"	ft

13025 P



5100	2260	1500	1080	830	660	550	435	Kg
1.95	4.45	6.25	8.15	10.05	11.95	13.80	15.65	m
11240	4980	3310	2380	1830	1450	1210	960	lbs
6' 5"	14' 7"	20' 6"	26' 9"	33' 0"	39' 2"	45' 3"	51' 4"	ft

13023 P + J11



650	450	285	180	Kg
12.30	13.70	15.15	16.60	m
1430	990	630	400	lbs
40' 4"	44' 11"	49' 8"	54' 6"	ft

13023 P + J12



600	420	280	180	Kg
12.35	13.75	15.15	16.60	m
1320	920	620	400	lbs
40' 6"	45' 1"	49' 8"	54' 6"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°
13021 P	12,0	86800	30/40	8/11	28,5	4130	390
13022 P	11,5	83310	30/40	8/11	28,5	4130	390
13023 P	11,0	79690	30/40	8/11	28,5	4130	390
13024 P	10,8	78280	30/40	8/11	28,5	4130	390
13025 P	10,1	72740	30/40	8/11	28,5	4130	390
13023 P + J11	-	-	30/40	8/11	28,5	4130	390
13023 P + J12	-	-	30/40	8/11	28,5	4130	390



kg. ST	lbs ST	kg. LC	lbs LC	mm	ft	mm	ft	mm	ft
1380	3045	1420	3135	2520	8'3"	2125	7'	765	2'6"
1490	3285	1520	3355	2520	8'3"	2125	7'	765	2'6"
1595	3520	1610	3550	2520	8'3"	2125	7'	765	2'6"
1690	3730	1720	3795	2520	8'3"	2125	7'	765	2'6"
1790	3950	-	-	2520	8'3"	2125	7'	870	2'10"
1830	4035	-	-	2520	8'3"	2220	7'3"	920	3'0"
1900	4190	-	-	2520	8'3"	2220	7'3"	920	3'0"

13521 SP



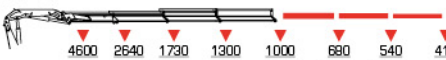
4500	3150	2000	Kg
2.30	3.90	5.95	m
9920	6940	4410	lbs
7' 7"	12' 10"	19' 6"	ft

13522 SP



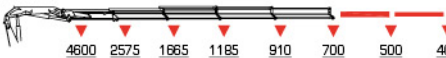
4600	2870	1980	1380	1000	750	Kg
2.25	4.15	6.05	8.06	10.00	11.90	m
10140	6330	4140	3040	2200	1650	lbs
7' 5"	13' 7"	19' 10"	26' 5"	32' 10"	39' 1"	ft

13523 SP



4600	2640	1730	1300	1000	680	540	410	Kg
2.20	4.30	6.20	8.20	10.30	12.20	14.10	16.00	m
10140	5820	3810	2870	2200	1500	1190	900	lbs
7' 3"	14' 1"	20' 4"	26' 11"	33' 10"	40' 0"	46' 3"	52' 6"	ft

13524 SP



4600	2575	1665	1185	910	700	500	400	Kg
2.15	4.40	6.30	9.30	10.40	12.55	14.45	16.35	m
10140	5680	3670	2610	2010	1540	1100	880	lbs
7' 1"	14' 5"	20' 8"	27' 3"	34' 1"	41' 2"	47' 5"	53' 8"	ft

13525 SP



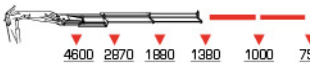
4600	2370	1400	1055	790	630	500	350	Kg
2.05	4.45	6.35	8.35	10.45	12.65	14.90	16.75	m
10140	5220	3090	2320	1740	1390	1100	770	lbs
6' 9"	14' 7"	20' 10"	27' 5"	34' 3"	41' 6"	48' 11"	54' 11"	ft

13521 SP LC



4500	3150	2000	Kg
2.30	3.90	5.95	m
9920	6940	4410	lbs
7' 7"	12' 10"	19' 6"	ft

13522 SP LC



4600	2870	1980	1380	1000	750	Kg
2.25	4.15	6.05	8.05	10.00	11.90	m
10140	6330	4110	3040	2200	1650	lbs
7' 5"	13' 7"	19' 10"	26' 5"	32' 10"	39' 1"	ft

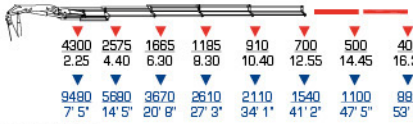
13523 SP LC



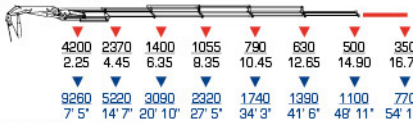
4400	2640	1730	1300	1000	680	540	410	Kg
2.25	4.30	6.20	8.20	10.30	12.20	14.10	16.00	m
9700	5820	3810	2870	2200	1500	1190	900	lbs
7' 5"	14' 1"	20' 4"	26' 11"	33' 10"	40' 0"	46' 3"	52' 6"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°
13521 SP	12,3	88860	35/40	9/11	27	3920	406
13522 SP	11,9	86150	35/40	9/11	27	3920	406
13523 SP	11,4	82110	35/40	9/11	27	3920	406
13524 SP	11,3	81950	35/40	9/11	27	3920	406
13525 SP	10,5	76280	35/40	9/11	27	3920	406
13523 SP + J252	-	-	35/40	9/11	27	3920	406
13524 SP + J252	-	-	35/40	9/11	27	3920	406

13524 SP LC



13525 SP LC



13523 SP + J252



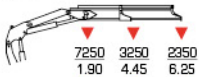
13524 SP + J252





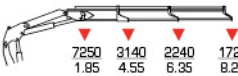
kg. ST	lbs ST	kg. LC	lbs LC	mm	ft	mm	ft	mm	ft
1450	3200	1535	3385	2420	7'11"	2135	7'0"	770	2'6"
1560	3440	1645	3630	2420	7'11"	2135	7'0"	770	2'6"
1665	3675	1750	3860	2420	7'11"	2135	7'0"	770	2'6"
1765	3895	1850	4080	2420	7'11"	2135	7'0"	865	2'10'
1850	4080	1935	4270	2420	7'11"	2145	7'0"	865	2'10"
2025	4465	-	-	2420	7'11"	2430	8'	970	3'2"
2125	4685	-	-	2420	7'11"	2430	8'	970	3'2"

15521



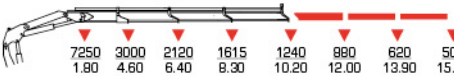
7250	3250	2350	Kg
1.90	4.45	6.25	m
15980	7160	5190	lbs
6' 3"	14' 7"	20' 6"	ft

15522



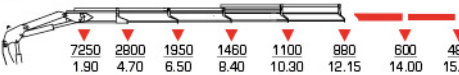
7250	3140	2240	1720	Kg
1.95	4.55	6.35	8.25	m
15980	6920	4940	3790	lbs
6' 1"	14' 11"	20' 10"	27' 1"	ft

15523



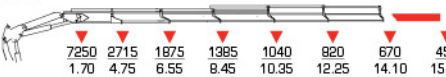
7250	3000	2120	1615	1240	980	620	500	Kg
1.90	4.60	6.40	8.30	10.20	12.00	13.90	15.80	m
15980	6610	4670	3560	2730	1940	1370	1100	lbs
5' 11"	15' 1"	21' 0"	27' 3"	33' 6"	39' 4"	45' 7"	51' 10"	ft

15524



7250	2800	1950	1460	1100	880	600	480	Kg
1.90	4.70	6.50	8.40	10.30	12.15	14.00	15.90	m
15980	6170	4300	3220	2420	1940	1320	1060	lbs
6' 3"	15' 5"	21' 4"	27' 7"	33' 10"	39' 10"	45' 11"	52' 2"	ft

15525



7250	2715	1875	1385	1040	820	670	450	Kg
1.70	4.75	6.55	8.45	10.35	12.25	14.10	15.90	m
15980	5980	4130	3050	2290	1810	1480	990	lbs
5' 7"	15' 7"	21' 6"	27' 9"	33' 11"	40' 2"	46' 3"	52' 2"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°
15521	14,7	106230	40/75	11/20	30	4350	400
15522	14,3	103340	40/75	11/20	30	4350	400
15523	13,8	99820	40/75	11/20	30	4350	400
15524	13,2	95190	40/75	11/20	30	4350	400
15525	12,9	93280	40/75	11/20	30	4350	400



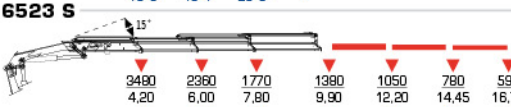
	kg. ST	lbs ST	kg. LC	lbs LC	mm	ft	mm	ft	mm	ft
	1770	3905	-	-	2410	7'11"	2220	7'3"	860	2'10"
	1880	4145	2030	4480	2410	7'11"	2220	7'3"	860	2'10"
	1990	4390	2140	4720	2410	7'11"	2220	7'3"	860	2'10"
	2080	4590	2230	4920	2460	8'1"	2220	7'3"	860	2'10"
	2180	4810	-	-	2500	8'2"	2220	7'3"	980	3'3"

16522 S



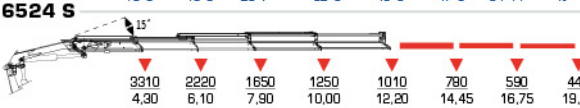
3660	2510	1910	Kg
4,10	5,90	7,70	m
8070	5530	4210	lbs
13' 5"	19' 4"	25' 3"	ft

16523 S



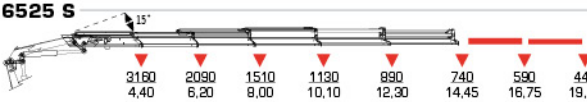
3480	2360	1770	1390	1050	780	590	Kg
4,20	6,00	7,80	9,90	12,20	14,45	16,75	m
7670	5200	3900	3040	2310	1720	1300	lbs
13' 9"	19' 8"	25' 7"	32' 6"	40' 0"	47' 5"	54' 11"	ft

16524 S



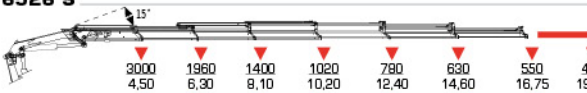
3310	2220	1650	1250	1010	780	590	440	Kg
4,30	6,10	7,90	10,00	12,20	14,45	16,75	19,00	m
7300	4890	3610	2750	2230	1720	1300	970	lbs
14' 1"	20' 0"	25' 11"	32' 10"	40' 0"	47' 5"	54' 11"	62' 41"	ft

16525 S



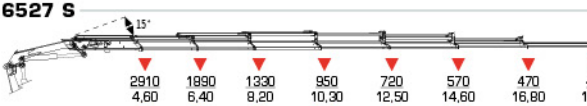
3160	2090	1510	1130	890	740	590	440	Kg
4,40	6,20	8,00	10,10	12,30	14,45	16,75	19,00	m
6970	4610	3330	2490	1960	1630	1300	970	lbs
14' 5"	20' 4"	26' 3"	33' 2"	40' 4"	47' 5"	54' 11"	62' 41"	ft

16526 S



3000	1960	1400	1020	780	630	550	440	Kg
4,50	6,30	8,10	10,20	12,40	14,60	16,75	19,00	m
6610	4320	3090	2250	1720	1390	1210	970	lbs
14' 9"	20' 8"	26' 7"	33' 6"	40' 8"	47' 11"	54' 11"	62' 4"	ft

16527 S



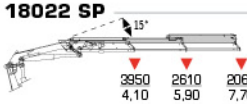
2910	1890	1330	950	720	570	470	410	Kg
4,60	6,40	8,20	10,30	12,50	14,60	16,80	19,00	m
6410	4170	2930	2090	1590	1260	1040	905	lbs
15' 1"	21'	26' 11"	33' 10"	41' 0"	47' 11"	55' 1"	62' 4"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°
16522 S	15	108500	40/75	11/20	30,5	4420	400
16523 S	14,6	105600	40/75	11/20	30,5	4420	400
16524 S	14,2	102710	40/75	11/20	30,5	4420	400
16525 S	13,9	100540	40/75	11/20	30,5	4420	400
16526 S	13,5	97650	40/75	11/20	30,5	4420	400
16527 S	13,4	96920	40/75	11/20	30,5	4420	400



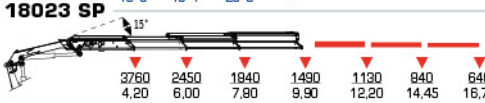
kg. ST	lbs ST	kg. LC	lbs LC	mm	ft	mm	ft	mm	ft
1930	4255	2040	4500	2455	8'1"	2250	7'4"	965	3'2"
2070	4565	2180	4810	2455	8'1"	2250	7'4"	965	3'2"
2195	4840	2310	5095	2455	8'1"	2250	7'5"	965	3'2"
2320	5115	2435	5370	2455	8'1"	2305	7'7"	1025	3'4"
2430	5360	2545	5615	2455	8'1"	2365	7'9"	1045	3'4"
2525	5570	2635	5810	2455	8'1"	2305	7'11"	1085	3'7"

18022 SP



3950	2610	2060	Kg
4,10	5,90	7,70	m
8710	5750	4540	lbs
13' 5"	19' 4"	25' 3"	ft

18023 SP



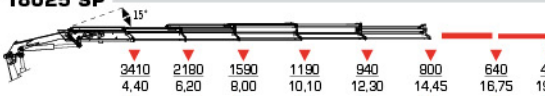
3760	2450	1840	1490	1130	840	640	Kg
4,20	6,00	7,80	9,90	12,20	14,45	16,75	m
8290	5400	4060	3280	2490	1850	1415	lbs
13' 9"	19' 8"	25' 7"	32' 6"	40' 0"	47' 5"	54' 11"	ft

18024 SP



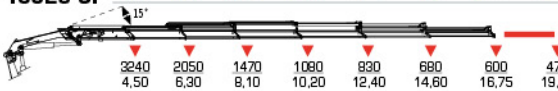
3450	2310	1710	1310	1060	940	640	470	Kg
4,30	6,10	7,90	10,00	12,20	14,45	16,75	19,00	m
7600	5090	3770	2890	2340	1850	1410	1040	lbs
14' 1"	20' 0"	25' 11"	32' 10"	40' 0"	47' 5"	54' 11"	62' 4"	ft

18025 SP



3410	2180	1590	1190	940	800	640	470	Kg
4,40	6,20	8,00	10,10	12,30	14,45	16,75	19,00	m
7520	4810	3500	2620	2070	1760	1410	1040	lbs
14' 5"	20' 4"	26' 3"	33' 2"	40' 4"	47' 5"	54' 11"	62' 4"	ft

18026 SP



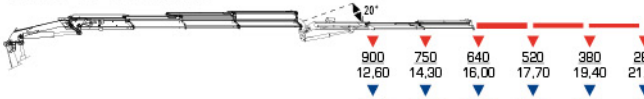
3240	2050	1470	1090	930	680	600	470	Kg
4,50	6,30	8,10	10,20	12,40	14,60	16,75	19,00	m
7140	4520	3240	2390	1830	1500	1320	1040	lbs
14' 9"	20' 8"	26' 7"	33' 6"	40' 8"	47' 11"	54' 11"	62' 4"	ft

18027 SP



3150	1980	1400	1010	760	610	510	440	Kg
4,60	6,40	8,20	10,30	12,50	14,60	16,80	19,00	m
6940	4360	3090	2230	1670	1345	1120	975	lbs
15' 1"	21'	26' 11"	33' 10"	41' 0"	47' 11"	55' 1"	62' 4"	ft

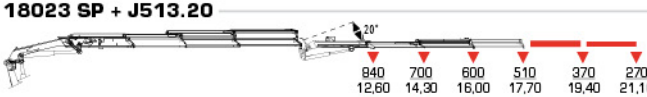
18023 SP + J512.20



900	750	640	520	380	280	Kg
12,60	14,30	16,00	17,70	19,40	21,20	m
1980	1650	1410	1150	840	620	lbs
41' 4"	46' 11"	52' 6"	58' 1"	63' 8"	69' 3"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°
18022 SP	16,2	117170	65/80	17/21	30,5	4420	400
18023 SP	15,8	114280	65/80	17/21	30,5	4420	400
18024 SP	15,3	110670	65/80	17/21	30,5	4420	400
18025 SP	15	108500	65/80	17/21	30,5	4420	400
18026 SP	14,6	105600	65/80	17/21	30,5	4420	400
18027 SP	14,5	104880	65/80	17/21	30,5	4420	400
18023 SP + J512.20	-	-	65/80	17/21	30,5	4420	400
18023 SP + J513.20	-	-	65/80	17/21	30,5	4420	400
18024 SP + J512.20	-	-	65/80	17/21	30,5	4420	400
18024 SP + J513.20	-	-	65/80	17/21	30,5	4420	400
18024 SP + J514.20	-	-	65/80	17/21	30,5	4420	400
18025 SP + J252	-	-	65/80	17/21	30,5	4420	400

18023 SP + J513.20



940	700	600	510	370	270	Kg
12,60	14,30	16,00	17,70	19,40	21,10	m
1950	1540	1320	1120	810	590	lbs
41' 4"	46' 11"	52' 6"	58' 1"	63' 8"	69' 3"	ft

18024 SP + J512.20



Kg	620	570	440	340	290	220
m	14,90	16,60	18,30	20,00	21,70	23,40
lbs	1370	1260	970	750	640	480
ft	48' 11"	54' 6"	60' 0"	65' 7"	71' 2"	76' 9"

18024 SP + J513.20



Kg	580	530	430	330	280	210
m	14,90	16,60	18,30	20,00	21,70	23,50
lbs	1280	1170	970	730	620	460
ft	48' 11"	54' 6"	60' 0"	65' 7"	71' 2"	76' 9"

18024 SP + J514.20



Kg	550	500	400	350	270	200
m	14,90	16,60	18,30	20,00	21,70	23,50
lbs	1210	1100	880	770	590	440
ft	48' 11"	54' 6"	60' 0"	65' 7"	71' 2"	76' 9"

18025 SP + J252



380	330	280	Kg
16,90	18,45	20,00	m
840	730	620	lbs
55' 5"	60' 6"	65' 7"	ft



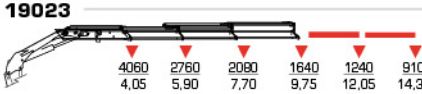
kg. ST	lbs ST	kg. LC	lbs LC	mm	ft	mm	ft	mm	ft
1930	4255	2040	4500	2455	8'1"	2250	7'5"	965	3'2"
2070	4565	2180	4810	2455	8'1"	2250	7'5"	965	3'2"
2195	4840	2310	5095	2455	8'1"	2250	7'5"	965	3'2"
2320	5115	2435	5370	2455	8'1"	2305	7'7"	1025	3'4"
2430	5360	2545	5615	2455	8'1"	2365	7'9"	1045	3'5"
2525	5570	2635	5810	2455	8'1"	2405	7'11"	1085	3'7"
2575	5680	2685	5920	2500	8'2"	2645	8'8"	1210	4'
2630	5800	2740	6045	2500	8'2"	2645	8'8"	1210	4'
2720	6000	2830	6255	2500	8'2"	2660	8'9"	1210	4'
2775	6120	2890	6375	2500	8'2"	2660	8'9"	1210	4'
2825	6230	2940	6485	2500	8'2"	2660	8'9"	1210	4'
2820	6220	2935	6475	2500	8'2"	2680	8'6"	1210	4'

19022



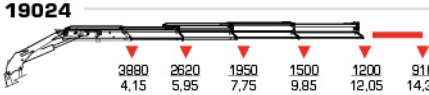
4250	3100	2200	Kg
3,80	5,80	7,70	m
9370	6835	4850	lbs
12' 6"	19' 0"	25' 3"	ft

19023



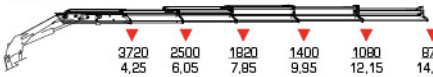
4060	2760	2080	1640	1240	910	Kg
4,05	5,90	7,70	9,75	12,05	14,30	m
8950	6080	4580	3620	2730	2010	lbs
13' 3"	19' 4"	25' 3"	32'	39' 6"	46' 11"	ft

19024



3880	2620	1950	1500	1200	910	Kg
4,15	5,95	7,75	9,85	12,05	14,30	m
8550	5780	4300	3310	2650	2010	lbs
13' 7"	19' 6"	25' 5"	32' 4"	39' 6"	46' 11"	ft

19025



3720	2500	1820	1400	1080	870	Kg
4,25	6,05	7,85	9,95	12,15	14,30	m
8200	5510	4010	3090	2380	1920	lbs
13' 11"	19' 10"	25' 9"	32' 8"	39' 10"	46' 11"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	
19022	17	122960	40/75	11/20	30,5	4420	400
19023	16,45	118620	40/75	11/20	30,5	4420	400
19024	16,1	116450	40/75	11/20	30,5	4420	400
19025	15,8	114280	40/75	11/20	30,5	4420	400



kg. ST	lbs ST	kg. LC	lbs LC	mm	ft	mm	ft	mm	ft
2040	4500	2150	4740	2460	8'1"	2250	7'4"	965	3'2"
2170	4785	2280	5030	2460	8'1"	2250	7'4"	965	3'2"
2290	5050	2405	5305	2460	8'1"	2250	7'4"	965	3'2"
2405	5305	2520	5560	2460	8'1"	2250	7'4"	1025	3'4"

21022



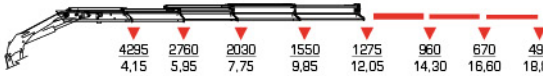
4750	3100	2450	Kg
3,80	5,80	7,70	m
10470	6830	5400	lbs
12' 6"	19' 0"	25' 3"	ft

21023



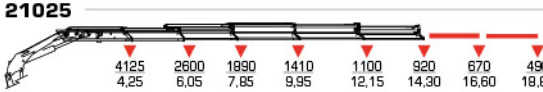
4520	2920	2190	1775	1300	960	670	Kg
4,05	5,90	7,70	9,75	12,05	14,30	16,60	m
9965	6440	4830	3910	2870	2120	1480	lbs
13' 3"	19' 4"	25' 3"	32'	39' 6"	46' 11"	54' 6"	ft

21024



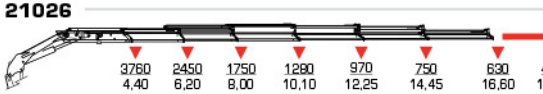
4295	2760	2030	1550	1275	960	670	490	Kg
4,15	5,95	7,75	9,85	12,05	14,30	16,60	18,85	m
9470	6090	4470	3420	2815	2120	1480	1085	lbs
13' 7"	19' 6"	25' 5"	32' 4"	39' 6"	46' 11"	54' 6"	61' 10"	ft

21025



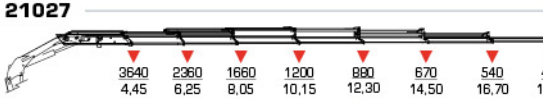
4125	2600	1890	1410	1100	920	670	490	Kg
4,25	6,05	7,85	9,95	12,15	14,30	16,60	18,85	m
9090	5730	4170	3110	2420	2030	1480	1085	lbs
13' 11"	19' 10"	25' 9"	32' 8"	39' 10"	46' 11"	54' 6"	61' 10"	ft

21026



3760	2450	1750	1280	970	750	630	490	Kg
4,40	6,20	8,00	10,10	12,25	14,45	16,60	18,85	m
8290	5400	3960	2820	2140	1650	1390	1080	lbs
14' 5"	20' 4"	26' 3"	33' 2"	40' 2"	47' 5"	54' 6"	61' 10"	ft

21027



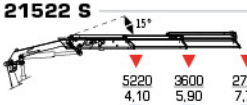
3640	2360	1660	1200	880	670	540	460	Kg
4,45	6,25	8,05	10,15	12,30	14,50	16,70	18,85	m
8020	5200	3660	2640	1940	1480	1190	1010	lbs
14' 7"	20' 6"	26' 5"	33' 4"	40' 4"	47' 7"	54' 9"	61' 10"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°
21022	19	137430	40/75	11/20	30,5	4420	400
21023	18,3	132360	40/75	11/20	30,5	4420	400
21024	17,8	128750	40/75	11/20	30,5	4420	400
21025	17,5	126580	40/75	11/20	30,5	4420	400
21026	16,5	119340	40/75	11/20	30,5	4420	400
21027	16,2	117170	40/75	11/20	30,5	4420	400



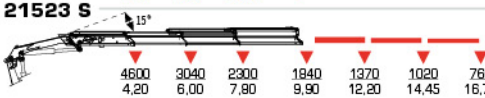
kg. ST	lbs ST	kg. LC	lbs LC	mm	ft	mm	ft	mm	ft
2090	4610	2200	4855	2460	8'1"	2250	7'4"	965	3'2"
2235	4930	2345	5170	2460	8'1"	2250	7'4"	965	3'2"
2370	5225	2485	5480	2460	8'1"	2250	7'4"	965	3'2"
2495	5505	2610	5755	2460	8'1"	2250	7'4"	1025	3'4"
2610	5755	2725	6010	2460	8'1"	2250	7'4"	1045	3'5"
2710	5975	2820	6220	2460	8'1"	2270	7'5"	1080	3'7"

21522 S



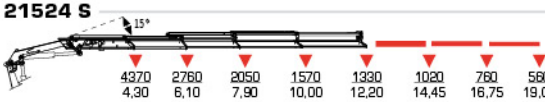
5220	3600	2700	Kg
4,10	5,90	7,70	m
10460	7940	5950	lbs
13' 5"	19' 4"	25' 3"	ft

21523 S



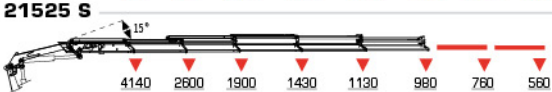
4600	3040	2300	1840	1370	1020	760	Kg
4,20	6,00	7,80	9,90	12,20	14,45	16,75	m
10145	6700	5070	4060	3020	2250	1670	lbs
13' 9"	19' 8"	25' 7"	32' 6"	40' 0"	47' 5"	54' 11"	ft

21524 S



4370	2760	2050	1570	1330	1020	760	560	Kg
4,30	6,10	7,90	10,00	12,20	14,45	16,75	19,00	m
9630	6080	4520	3460	2930	2250	1670	1230	lbs
14' 1"	20' 0"	25' 11"	32' 10"	40' 0"	47' 5"	54' 11"	62' 4"	ft

21525 S



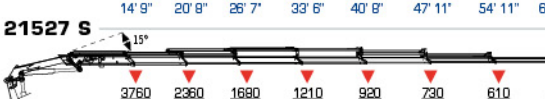
4140	2600	1900	1430	1130	980	760	560	Kg
4,40	6,20	8,00	10,10	12,30	14,45	16,75	19,00	m
9130	5730	4190	3150	2490	2160	1670	1230	lbs
14' 5"	20' 4"	26' 3"	33' 2"	40' 4"	47' 5"	54' 11"	62' 4"	ft

21526 S



3955	2450	1770	1300	1000	820	720	560	Kg
4,50	6,30	8,10	10,20	12,40	14,60	16,75	19,00	m
8720	5400	3900	2870	2200	1810	1590	1230	lbs
14' 9"	20' 8"	26' 7"	33' 6"	40' 8"	47' 11"	54' 11"	62' 4"	ft

21527 S



3760	2360	1680	1210	920	730	610	540	Kg
4,60	6,40	8,20	10,30	12,50	14,60	16,80	19,00	m
8290	5200	3700	2670	2030	1610	1340	1190	lbs
15' 1"	21'	26' 11"	33' 10"	41' 0"	47' 11"	55' 1"	62' 4"	ft

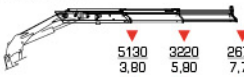
	tm	ft lbs	l/min	gals/min	Mpa	Psi	°
21522 S	20,2	146110	40/75	11/20	30,5	4420	400
21523 S	19,3	139600	40/75	11/20	30,5	4420	400
21524 S	18,8	135980	40/75	11/20	30,5	4420	400
21525 S	18,2	131640	40/75	11/20	30,5	4420	400
21526 S	18	130190	40/75	11/20	30,5	4420	400
21527 S	17,3	125130	40/75	11/20	30,5	4420	400



kg. ST	lbs ST	kg. LC	lbs LC	mm	ft	mm	ft	mm	ft
2130	4700	2240	4940	2455	8'1"	2250	7'5"	980	3'3"
2280	5030	2390	5270	2455	8'1"	2250	7'5"	980	3'3"
2420	5340	2535	5590	2455	8'1"	2250	7'5"	980	3'3"
2555	5635	2670	5890	2455	8'1"	2305	7'7"	1040	3'5"
2675	5900	2790	6155	2455	8'1"	2365	7'9"	1060	3'6"
2780	6130	2890	6375	2455	8'1"	2405	7'11"	1100	3'7"

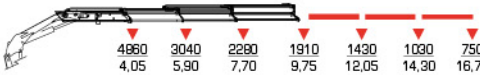
Plus

23022 P



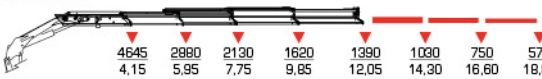
5130	3220	2670	Kg
3,80	5,80	7,70	m
11310	7100	5890	lbs
12' 6"	19' 0"	25' 3"	ft

23023 P



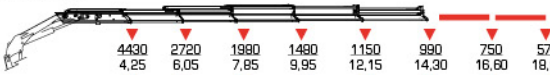
4960	3040	2280	1910	1430	1090	750	Kg
4,05	5,90	7,70	9,75	12,05	14,30	16,75	m
10710	6700	5030	4210	3150	2270	1650	lbs
13' 3"	19' 4"	25' 3"	32'	39' 6"	46' 11"	54' 6"	ft

23024 P



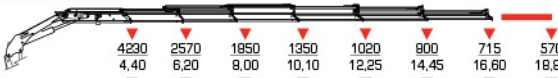
4645	2880	2130	1620	1390	1030	750	570	Kg
4,15	5,95	7,75	9,85	12,05	14,30	16,60	18,85	m
10240	6350	4690	3570	3060	2270	1650	1260	lbs
13' 7"	19' 6"	25' 5"	32' 4"	39' 6"	46' 11"	54' 6"	61' 10"	ft

23025 P



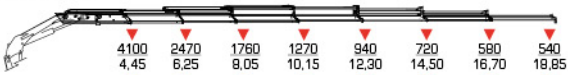
4430	2720	1980	1480	1150	990	750	570	Kg
4,25	6,05	7,85	9,95	12,15	14,30	16,60	18,85	m
9770	6000	4360	3260	2530	2180	1650	1260	lbs
13' 11"	19' 10"	25' 9"	32' 8"	39' 10"	46' 11"	54' 6"	61' 10"	ft

23026 P



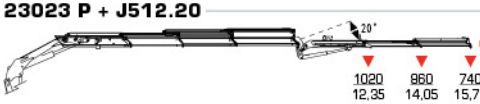
4230	2570	1850	1350	1020	800	715	570	Kg
4,40	6,20	8,00	10,10	12,25	14,45	16,60	18,85	m
9320	5660	4080	2980	2250	1760	1580	1260	lbs
14' 5"	20' 4"	26' 3"	33' 2"	40' 2"	47' 5"	54' 6"	61' 10"	ft

23027 P



4100	2470	1760	1270	940	720	580	540	Kg
4,45	6,25	8,05	10,15	12,30	14,50	16,70	18,85	m
9040	5450	3980	2800	2070	1590	1290	1190	lbs
14' 7"	20' 6"	26' 5"	33' 4"	40' 4"	47' 7"	54' 9"	61' 10"	ft

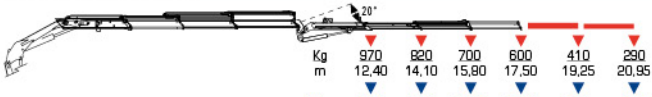
23023 P + J512.20



1020	860	740	610	420	300	Kg
12,35	14,05	15,75	17,55	19,25	20,95	m
2250	1890	1630	1340	930	665	lbs
40' 6"	46' 1"	51' 8"	57' 7"	62' 12"	68' 11"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°
23022 P	20,5	148280	65/80	17/21	30,5	4420	400
23023 P	19,7	142490	65/80	17/21	30,5	4420	400
23024 P	19,3	139600	65/80	17/21	30,5	4420	400
23025 P	18,8	135980	65/80	17/21	30,5	4420	400
23026 P	18,4	133090	65/80	17/21	30,5	4420	400
23027 P	18,2	131640	65/80	17/21	30,5	4420	400
23023 P + J512.20	-	-	65/80	17/21	30,5	4420	400
23023 P + J513.20	-	-	65/80	17/21	30,5	4420	400
23024 P + J512.20	-	-	65/80	17/21	30,5	4420	400
23024 P + J513.20	-	-	65/80	17/21	30,5	4420	400
23024 P + J514.20	-	-	65/80	17/21	30,5	4420	400

23023 P + J513.20



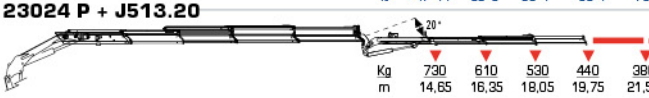
Kg	970	820	700	600	410	290
m	12,40	14,10	15,80	17,50	19,25	20,95
lbs	2140	1810	1540	1320	900	640
ft	40' 8"	46' 3"	51' 10"	57' 5"	63' 8"	68' 9"

23024 P + J512.20



Kg	750	650	550	450	390	270
m	14,60	16,30	18,00	19,85	21,55	23,25
lbs	1655	1435	1215	995	860	600
ft	47' 11"	53' 6"	59' 1"	65' 1"	70' 8"	76' 3"

23024 P + J513.20



Kg	730	610	530	440	380	260
m	14,65	16,35	18,05	19,75	21,55	23,25
lbs	1610	1340	1170	970	840	570
ft	48' 1"	53' 8"	59' 3"	64' 10"	70' 8"	76' 3"

23024 P + J514.20



Kg	700	580	500	420	370	280
m	14,70	16,40	18,10	19,80	21,50	23,25
lbs	1540	1280	1100	920	810	550
ft	48' 3"	53' 10"	59' 5"	65'	70' 6"	76' 3"



	kg. ST	lbs ST	kg. LC	lbs LC	mm	ft	mm	ft	mm	ft
	2090	4610	2200	4855	2460	8'1"	2250	7'4"	965	3'2"
	2235	4930	2345	5170	2460	8'1"	2250	7'4"	965	3'2"
	2370	5225	2485	5480	2460	8'1"	2250	7'4"	965	3'2"
	2495	5505	2610	5755	2460	8'1"	2250	7'4"	1025	3'4"
	2610	5755	2725	6010	2460	8'1"	2250	7'4"	1045	3'5"
	2710	5975	2820	6220	2460	8'1"	2270	7'5"	1080	3'7"
	2740	6045	2850	6285	2500	8'2"	2505	8'2"	1205	3'11"
	2795	6165	2905	6405	2500	8'2"	2505	8'2"	1205	3'11"
	2895	6385	3010	6640	2500	8'3"	2520	8'3"	1205	3'11"
	2950	6505	3065	6770	2500	8'3"	2520	8'3"	1205	3'11"
	3000	6615	3115	6870	2500	8'3"	2520	8'3"	1205	3'11"

23522 SP



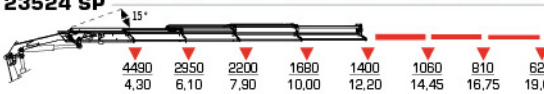
5200	3600	2700	Kg
4,10	5,90	7,70	m
11460	7940	5950	lbs
13' 5"	19' 4"	25' 3"	ft

23523 SP



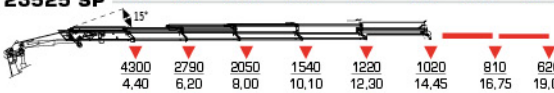
4730	3230	2440	1910	1440	1060	810	Kg
4,20	6,00	7,80	9,90	12,20	14,45	16,75	m
10430	7120	5380	4210	3170	2340	1780	lbs
13' 9"	19' 8"	25' 7"	32' 6"	40' 0"	47' 5"	54' 11"	ft

23524 SP



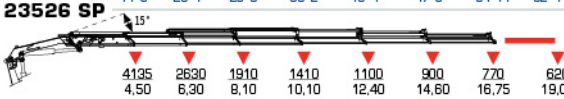
4490	2950	2200	1680	1400	1060	810	620	Kg
4,30	6,10	7,90	10,00	12,20	14,45	16,75	19,00	m
9900	6500	4850	3700	3090	2340	1780	1370	lbs
14' 1"	20' 0"	25' 11"	32' 10"	40' 0"	47' 5"	54' 11"	62' 4"	ft

23525 SP



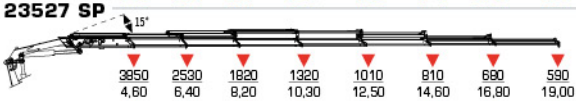
4300	2790	2050	1540	1220	1020	810	620	Kg
4,40	6,20	8,00	10,10	12,30	14,45	16,75	19,00	m
9480	6150	4520	3390	2690	2250	1780	1370	lbs
14' 5"	20' 4"	26' 3"	33' 2"	40' 4"	47' 5"	54' 11"	62' 4"	ft

23526 SP



4135	2630	1910	1410	1100	900	770	620	Kg
4,50	6,30	8,10	10,10	12,40	14,60	16,75	19,00	m
9120	5800	4210	3110	2420	1980	1700	1370	lbs
14' 9"	20' 8"	26' 7"	33' 6"	40' 8"	47' 11"	54' 11"	62' 4"	ft

23527 SP



3950	2530	1820	1320	1010	810	680	590	Kg
4,60	6,40	8,20	10,30	12,50	14,60	16,80	19,00	m
8490	5580	4010	2910	2230	1780	1500	1300	lbs
15' 1"	21'	26' 11"	33' 10"	41' 0"	47' 11"	55' 1"	62' 4"	ft

23523 SP + J512.20



1250	1060	835	600	440	320	Kg
12,60	14,30	16,00	17,70	19,40	21,20	m
2750	2340	1840	1320	970	700	lbs
41' 4"	46' 11"	52' 6"	58' 1"	63' 8"	69' 3"	ft

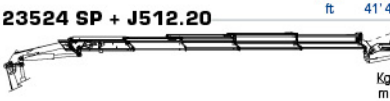
	tm	ft lbs	l/min	gals/min	Mpa	Psi	
23522 SP	21,3	154060	65/80	17/21	30,5	4420	400
23523 SP	19,8	143210	65/80	17/21	30,5	4420	400
23524 SP	19,3	139600	65/80	17/21	30,5	4420	400
23525 SP	18,9	136700	65/80	17/21	30,5	4420	400
23526 SP	18,6	134530	65/80	17/21	30,5	4420	400
23527 SP	17,7	128020	65/80	17/21	30,5	4420	400
23523 SP + J512.20	-	-	65/80	17/21	30,5	4420	400
23523 SP + J513.20	-	-	65/80	17/21	30,5	4420	400
23524 SP + J512.20	-	-	65/80	17/21	30,5	4420	400
23524 SP + J513.20	-	-	65/80	17/21	30,5	4420	400
23524 SP + J514.20	-	-	65/80	17/21	30,5	4420	400
23525 SP + J512.20	-	-	65/80	17/21	30,5	4420	400
23525 SP + J513.20	-	-	65/80	17/21	30,5	4420	400
23525 SP + J514.20	-	-	65/80	17/21	30,5	4420	400
23526 SP + J252	-	-	65/80	17/21	30,5	4420	400

23523 SP + J513.20



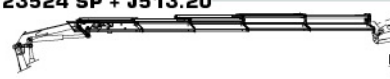
Kg	1210	1030	810	590	430	310
m	12,60	14,30	16,00	17,70	19,40	21,20
lbs	2670	2270	1780	1300	950	680
ft	41' 4"	46' 11"	52' 6"	58' 1"	63' 8"	69' 3"

23524 SP + J512.20



Kg	880	770	660	500	380	280
m	14,90	16,60	18,30	20,00	21,70	23,40
lbs	1940	1700	1450	1100	840	620
ft	48' 11"	54' 6"	60' 0"	65' 7"	71' 2"	76' 9"

23524 SP + J513.20



Kg	950	720	630	490	370	270
m	14,90	16,60	18,30	20,00	21,70	23,40
lbs	1870	1590	1390	1080	810	590
ft	48' 11"	54' 6"	60' 0"	65' 7"	71' 2"	76' 9"

23524 SP + J514.20



Kg	800	690	590	460	360	260
m	14,90	16,60	18,30	20,00	21,70	23,40
lbs	1760	1525	1300	1010	790	570
ft	48' 11"	54' 6"	60' 0"	65' 7"	71' 2"	76' 9"

23525 SP + J512.20



Kg	600	520	450	340	260	200
m	17,20	18,90	20,60	22,30	24,00	25,70
lbs	1320	1150	990	750	570	440
ft	56' 5"	62' 0"	67' 7"	73' 2"	78' 9"	84' 4"

23525 SP + J513.20



Kg	590	500	420	330	250	190
m	17,20	18,90	20,60	22,30	24,00	25,70
lbs	1280	1100	920	730	550	420
ft	56' 5"	62' 0"	67' 7"	73' 2"	78' 9"	84' 4"

23525 SP + J514.20



Kg	550	570	390	320	240	180
m	17,20	18,90	20,60	22,30	24,00	25,70
lbs	1210	1040	860	700	530	400
ft	56' 5"	62' 0"	67' 7"	73' 2"	78' 9"	84' 4"

23526 SP + J252



Kg	400	350	270
m	19,20	20,75	22,30
lbs	980	770	590
ft	63'	68' 1"	73' 2"

kg. ST	lbs ST	kg. LC	lbs LC	mm	ft	mm	ft	mm	ft
2125	4685	2235	4930	2455	8'1"	2250	7'5"	980	3'3"
2275	5020	2385	5260	2455	8'1"	2250	7'5"	980	3'3"
2415	5325	2530	5580	2455	8'1"	2250	7'5"	980	3'3"
2550	5625	2665	5880	2455	8'1"	2305	7'7"	1040	3'5"
2670	5890	2785	6140	2455	8'1"	2365	7'9"	1060	3'6"
2775	6120	2885	6365	2455	8'1"	2405	7'11"	1100	3'7"
2780	6130	2890	6375	2500	8'2"	2645	8'8"	1220	4'
2835	6255	2945	6495	2500	8'2"	2645	8'8"	1220	4'
2940	6485	3055	6740	2500	8'2"	2660	8'9"	1220	4'
2995	6605	3110	6860	2500	8'2"	2660	8'9"	1220	4'
3045	6715	3160	6970	2500	8'2"	2660	8'9"	1220	4'
3100	6835	3215	7090	2500	8'2"	2660	8'9"	1220	4'
3155	6960	3270	7210	2500	8'2"	2660	8'9"	1220	4'
3205	7070	3320	7320	2500	8'2"	2660	8'9"	1220	4'
3170	6990	3280	7235	2515	8'3"	2610	8'7"	1220	4'

24021 SX



5410	3780	Kg
3,80	5,80	m
11930	8330	lbs
12' 6"	19' 0"	ft

24022 PX



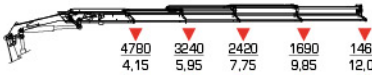
5200	3590	2740	Kg
3,80	5,80	7,70	m
11460	7910	8240	lbs
12' 6"	19' 0"	25' 3"	ft

24023 PX



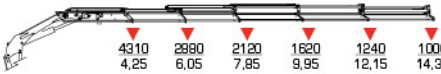
4980	3410	2575	2035	Kg
4,05	5,90	7,70	9,75	m
10980	7520	5680	4490	lbs
13' 3"	19' 4"	25' 3"	32'	ft

24024 PX



4780	3240	2420	1690	1465
4,15	5,95	7,75	9,85	12,05
10540	7140	5330	4170	3230
13' 7"	19' 6"	25' 5"	32' 4"	39' 6"

24025 PX



4310	2980	2120	1620	1240	1000
4,25	6,05	7,85	9,95	12,15	14,30
9500	6350	4670	3570	2730	2200
13' 11"	19' 10"	25' 9"	32' 8"	39' 10"	46' 11"

	tm	ft lbs	l/min	gals/min	Mpa	Psi
24021 PX	21,9	158580	80	21	33,5	4860
24022 PX	21,1	152600	80	21	33,5	4860
24023 PX	20,2	145880	80	21	33,5	4860
24024 PX	19,8	143480	80	21	33,5	4860
24025 PX	18,3	132490	80	21	33,5	4860



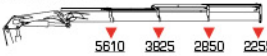
		kg	lbs						
		ST	ST	mm	ft	mm	ft	mm	ft
	400	1955	4315	2460	8'1"	2250	7'5"	965	3'2"
	400	2090	4610	2460	8'1"	2250	7'5"	965	3'2"
	400	2235	4930	2460	8'1"	2250	7'5"	965	3'2"
	400	2370	5225	2460	8'1"	2250	7'5"	965	3'2"
	400	2495	5505	2460	8'1"	2250	7'5"	1025	3'4"

27522 PX



5790	3995	3010	Kg
4.20	6.10	9.10	m
12760	8810	6630	lbs
13' 9"	20'	26' 7"	ft

27523 PX



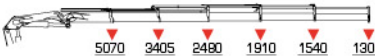
5610	3825	2850	2255	Kg
4.25	6.15	8.15	10.25	m
12370	8430	6280	4970	lbs
13' 11"	20' 2"	26' 9"	33' 8"	ft

27524 PX



5380	3645	2690	2100	1720	Kg
4.35	6.25	8.25	10.35	12.55	m
11860	8030	5930	4630	3790	lbs
14' 3"	20' 6"	27' 1"	33' 11"	41' 2"	ft

27525 PX



5070	3405	2490	1910	1540	1300	Kg
4.45	6.35	8.35	10.45	12.65	14.80	m
11180	7510	5470	4210	3390	2870	lbs
14' 7"	20' 10"	27' 5"	34' 3"	41' 6"	48' 7"	ft

27526 PX



4865	3250	2340	1775	1405	1170	1005	Kg
4.55	6.45	8.45	10.55	12.75	14.90	17.10	m
10720	7160	5160	3910	3100	2580	2210	lbs
14' 11"	21' 2"	27' 9"	34' 7"	41' 10"	48' 11"	56' 1"	ft

27527 PX



4680	3100	2210	1650	1285	1045	885	770	Kg
4.65	6.55	8.55	10.65	12.85	15.00	17.20	19.40	m
10320	6830	4870	3640	2830	2300	1950	1700	lbs
15' 3"	21' 6"	28' 1"	34' 11"	42' 2"	49' 3"	56' 5"	63' 8"	ft

27528 PX



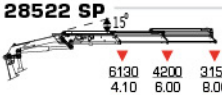
4530	2990	2110	1560	1195	960	795	685	610	Kg
4.75	6.65	8.65	10.75	12.90	15.10	17.30	19.45	21.65	m
9990	6590	4650	3440	2630	2120	1750	1510	1340	lbs
15' 7"	21' 10"	29' 5"	35' 3"	42' 4"	46' 9"	56' 9"	63' 10"	71'	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi
27522 PX	24,4	176350	40/80	11/21	30,5	4420
27523 PX	23,8	172450	40/80	11/21	30,5	4420
27524 PX	23,4	169270	40/80	11/21	30,5	4420
27525 PX	22,6	163190	40/80	11/21	30	4350
27526 PX	22,1	160110	40/80	11/21	30	4350
27527 PX	21,8	157400	40/80	11/21	30	4350
27528 PX	21,5	155640	40/80	11/21	30	4350



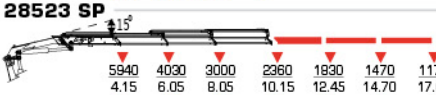
	°	kg ST	lbs ST	mm	ft	mm	ft	mm	ft
	410	2490	5490	2510	8'3"	2370	7'9"	1075	3'6"
	410	2675	5900	2510	8'3"	2370	7'9"	1075	3'6"
	410	2845	6275	2510	8'3"	2370	7'9"	1075	3'6"
	410	3010	6640	2530	8'4"	2370	7'9"	1135	3'9"
	410	3150	6945	2530	8'4"	2370	7'9"	1160	3'10"
	410	3280	7235	2530	8'4"	2370	7'9"	1185	3'11"
	410	3395	7485	2540	8'4"	2415	7'11"	1200	3'11"

28522 SP



6130	4200	3150	Kg
4.10	6.00	8.00	m
13510	9260	6940	lbs
13' 5"	19' 8"	26' 3"	ft

28523 SP



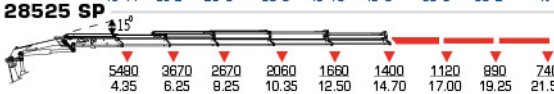
5940	4030	3000	2360	1830	1470	1170	Kg
4.15	6.05	8.05	10.15	12.45	14.70	17.00	m
13090	8880	6610	5200	4030	3240	2580	lbs
13' 7"	19' 10"	26' 5"	33' 4"	40' 10"	48' 3"	55' 9"	ft

28524 SP



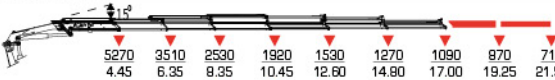
5700	3850	2830	2200	1800	1450	1140	910	Kg
4.25	6.15	8.15	10.25	12.45	14.70	17.00	19.25	m
12570	9490	6240	4850	3970	3200	2510	2010	lbs
13' 11"	20' 2"	26' 9"	33' 8"	40' 10"	48' 3"	55' 9"	63' 2"	ft

28525 SP



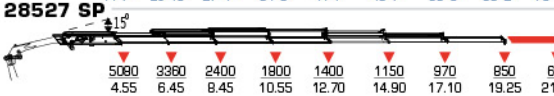
5480	3670	2670	2060	1660	1400	1120	890	740	Kg
4.35	6.25	8.25	10.35	12.50	14.70	17.00	19.25	21.55	m
12050	9090	5890	4540	3660	3090	2470	1960	1630	lbs
14' 3"	20' 2"	26' 1"	33' 11"	41'	48' 3"	55' 9"	63' 2"	70' 8"	ft

28526 SP



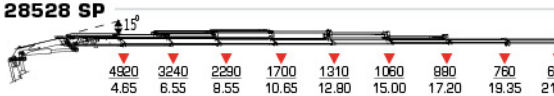
5270	3510	2530	1920	1530	1270	1090	870	710	Kg
4.45	6.35	8.35	10.45	12.60	14.80	17.00	19.25	21.55	m
11620	7740	5580	4230	3370	2800	2400	1920	1560	lbs
14' 7"	20' 10"	27' 4"	34' 3"	41'4"	48' 7"	55' 9"	63' 2"	70' 8"	ft

28527 SP



5080	3360	2400	1900	1400	1150	970	850	690	Kg
4.55	6.45	8.45	10.55	12.70	14.90	17.10	19.25	21.55	m
11200	7410	5290	3970	3090	2530	2140	1870	1560	lbs
14' 11"	21' 2"	27' 9"	34' 7"	41'8"	48' 11"	56' 1"	63' 2"	70' 8"	ft

28528 SP



4920	3240	2290	1700	1310	1060	880	760	670	Kg
4.65	6.55	8.55	10.65	12.80	15.00	17.20	19.35	21.55	m
10850	7140	5050	3750	2890	2340	1940	1670	1480	lbs
15' 3"	21' 6"	28' 1"	34' 11"	42"	49' 3"	56' 5"	63' 6"	70' 8"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°
28522 SP	25,2	182270	75/100	20/26	34,5	5000	410
28523 SP	24,7	178300	75/100	20/26	34,5	5000	410
28524 SP	24,2	175220	75/100	20/26	34,5	5000	410
28525 SP	23,8	172420	75/100	20/26	34,5	5000	410
28526 SP	23,5	169630	75/100	20/26	34,5	5000	410
28527 SP	23,1	167180	75/100	20/26	34,5	5000	410
28528 SP	22,9	165480	75/100	20/26	34,5	5000	410
28524 SP + J813.20	-	-	75/100	20/26	34,5	5000	410
28524 SP + J814.20	-	-	75/100	20/26	34,5	5000	410
28524 SP + J815.20	-	-	75/100	20/26	34,5	5000	410
28525 SP + J613.20	-	-	75/100	20/26	34,5	5000	410
28525 SP + J614.20	-	-	75/100	20/26	34,5	5000	410
28526 SP + J613.20	-	-	75/100	20/26	34,5	5000	410
28526 SP + J614.20	-	-	75/100	20/26	34,5	5000	410

28524 SP + J813.20



870	760	680	610	Kg
15.15	16.75	18.45	20.15	m
1920	1670	1500	1340	lbs
49' 8"	54' 11"	60' 6"	66' 1"	ft

28524 SP + J814.20



790	680	600	530	490	Kg
15.25	16.85	18.55	20.25	22	m
1740	1500	1320	1170	1080	lbs
50'	55' 3"	60' 10"	66' 5"	72' 2"	ft

28524 SP + J815.20



730	620	540	480	430	390	Kg
15.35	16.95	19.65	20.35	22.1	23.95	m
1610	1370	1190	1060	950	860	lbs
50' 4"	55' 7"	61' 2"	66' 9"	72' 6"	78' 3"	ft

28525 SP + J613.20



610	530	490	440	Kg
17.5	19.2	20.9	22.7	m
1340	1170	1060	970	lbs
57' 5"	63'	68' 7"	74' 6"	ft

28525 SP + J614.20



560	490	430	400	360	Kg
17.6	19.3	21	22.8	24.5	m
1230	1080	950	880	790	lbs
57' 9"	62' 4"	68' 11"	74' 10"	80' 5"	ft

28526 SP + J613.20



340	300	270	240	Kg
19.8	21.5	23.2	22.95	m
750	660	590	530	lbs
65'	70' 6"	76' 1"	81' 10"	ft

28526 SP + J614.20



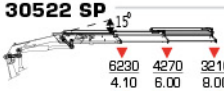
Kg	300	250	220	200	180
m	19.9	21.6	23.3	25.05	26.8
lbs	660	550	490	440	400
ft	65' 3"	70' 10"	76' 5"	82' 2"	87' 11"

kg. ST	lbs ST	kg. LC	lbs LC	mm	ft	mm	ft	mm	ft
2600	5735	2750	6065	2525	8'3"	2365	7'9"	1075	3'6"
2785	6140	2935	6475	2525	8'3"	2365	7'9"	1075	3'6"
2955	6515	3105	6850	2525	8'3"	2365	7'9"	1075	3'6"
3115	6870	3265	7200	2545	8'4"	2365	7'9"	1135	3'9"
3255	7180	3405	7510	2545	8'4"	2365	7'9"	1160	3'10"
3390	7475	3540	7805	2545	8'4"	2365	7'9"	1185	3'11"
3505	7730	3655	8060	2545	8'4"	2410	7'11"	1200	3'11"
3665	8080	-	-	2545	8'4"	2680	8'10"	1250	4'1"
3725	8215	-	-	2545	8'4"	2680	8'10"	1250	4'1"
3780	8335	-	-	2545	8'4"	2680	8'10"	1250	4'1"
3835	8455	-	-	2545	8'4"	2680	8'10"	1250	4'1"
3895	8590	-	-	2545	8'4"	2680	8'10"	1250	4'1"
3970	8755	-	-	2545	8'4"	2680	8'10"	1250	4'1"
4030	8885	-	-	2545	8'4"	2680	8'10"	1250	4'1"


PM
[28.5 SP]

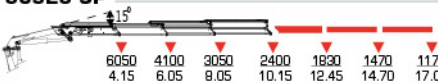


30522 SP



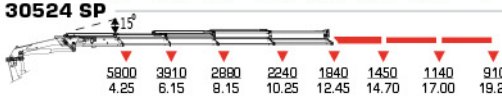
6230	4270	3210	Kg
4.10	6.00	8.00	m
13730	9410	7080	lbs
13' 5"	19' 8"	26' 3"	ft

30523 SP



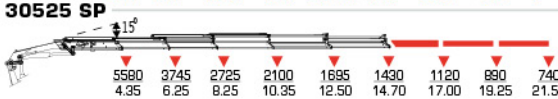
6050	4100	3050	2400	1830	1470	1170	Kg
4.15	6.05	8.05	10.15	12.45	14.70	17.00	m
13340	9040	6720	5290	4030	3240	2580	lbs
13' 7"	19' 10"	26' 5"	33' 4"	40' 10"	48' 3"	55' 9"	ft

30524 SP



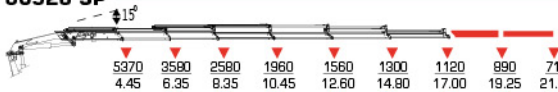
5800	3910	2880	2240	1840	1450	1140	910	Kg
4.25	6.15	8.15	10.25	12.45	14.70	17.00	19.25	m
12790	8620	6350	4940	4060	3200	2510	2010	lbs
13' 11"	20' 2"	26' 9"	33' 8"	40' 10"	48' 3"	55' 9"	63' 2"	ft

30525 SP



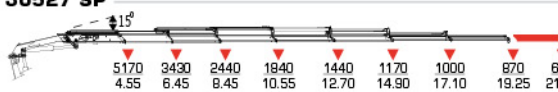
5580	3745	2725	2100	1695	1430	1120	890	740	Kg
4.35	6.25	8.25	10.35	12.50	14.70	17.00	19.25	21.55	m
12300	8260	6010	4630	3740	3150	2470	1960	1630	lbs
14' 3"	20' 6"	27' 1"	33' 11"	41'	48' 3"	55' 9"	63' 2"	70' 8"	ft

30526 SP



5370	3580	2580	1960	1560	1300	1120	990	710	Kg
4.45	6.35	8.35	10.45	12.60	14.90	17.00	19.25	21.55	m
11840	7890	5690	4320	3440	2870	2470	1960	1560	lbs
14' 7"	20' 10"	27' 5"	34' 3"	41' 4"	48' 7"	55' 9"	63' 2"	70' 8"	ft

30527 SP



5170	3430	2440	1840	1440	1170	1000	870	690	Kg
4.55	6.45	8.45	10.55	12.70	14.90	17.10	19.25	21.55	m
11400	7560	5380	4060	3170	2580	2200	1920	1520	lbs
14' 11"	21' 2"	27' 9"	34' 7"	41' 8"	48' 11"	56' 1"	63' 2"	70' 8"	ft

30528 SP



5010	3310	2340	1740	1340	1090	910	790	690	Kg
4.65	6.55	8.55	10.65	12.80	15.00	17.20	19.35	21.55	m
11040	7300	5160	3840	2950	2400	2010	1720	1520	lbs
15' 3"	21' 6"	28' 1"	34' 11"	42'	49' 3"	56' 5"	63' 6"	70' 8"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	
30522 SP	25,7	185740	75/90	20/24	35	5080	
30523 SP	25,1	181600	75/90	20/24	35	5080	
30524 SP	24,7	178290	75/90	20/24	35	5080	
30525 SP	24,3	175570	75/90	20/24	35	5080	
30526 SP	23,9	172840	75/90	20/24	35	5080	CONTINUO
30527 SP	23,5	170150	75/90	20/24	35	5080	CONTINUOS
30528 SP	23,3	168500	75/90	20/24	35	5080	CONTINU
30524 SP + J813.20	-	-	75/90	20/24	35	5080	ENDLOS
30524 SP + J814.20	-	-	75/90	20/24	35	5080	CONTINUO
30524 SP + J815.20	-	-	75/90	20/24	35	5080	
30525 SP + J613.20	-	-	75/90	20/24	35	5080	
30525 SP + J614.20	-	-	75/90	20/24	35	5080	
30526 SP + J613.20	-	-	75/90	20/24	35	5080	
30526 SP + J614.20	-	-	75/90	20/24	35	5080	

30524 SP + J813.20



870	760	680	610	Kg
15.15	16.75	18.45	20.15	m
1920	1670	1500	1340	lbs
49' 8"	54' 11"	60' 6"	66' 1"	ft

30524 SP + J814.20



790	680	600	530	490	Kg
15.25	16.95	18.55	20.25	22.00	m
1740	1500	1320	1170	1080	lbs
50' 0"	55' 3"	60' 10"	66' 5"	72' 2"	ft

30524 SP + J815.20



730	620	540	490	430	390	Kg
15.35	16.95	18.65	20.35	22.1	23.95	m
1610	1370	1190	1060	950	860	lbs
50' 4"	55' 7"	61' 2"	66' 9"	72' 6"	78' 3"	ft

30525 SP + J613.20



640	555	505	460	Kg
17.5	19.2	20.9	22.7	m
1410	1220	1110	1010	lbs
57' 5"	63'	68' 7"	74' 6"	ft

30525 SP + J614.20



590	515	455	420	380	Kg
17.5	19.3	21	22.8	24.5	m
1305	1140	1005	930	840	lbs
57' 9"	63' 4"	68' 11"	74' 1"	80' 5"	ft

30526 SP + J613.20



365	325	290	260	Kg
19.8	21.5	23.2	24.95	m
900	720	640	570	lbs
65'	70' 6"	76' 1"	81' 10"	ft

30526 SP + J614.20



Kg	325	275	240	220	200
m	19.9	21.6	23.3	25.05	26.8
lbs	720	610	530	490	445
ft	65' 3"	70' 1"	76' 5"	82' 2"	87' 11"

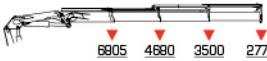
kg. ST	lbs ST	kg. LC	lbs LC	mm	ft	mm	ft	mm	ft
2650	5845	2800	6175	2515	8'3"	2365	7'9"	1085	3'7"
2835	6255	2985	6585	2515	8'3"	2365	7'9"	1085	3'7"
3005	6625	3155	6960	2515	8'3"	2365	7'9"	1085	3'7"
3165	6980	3315	7310	2535	8'4"	2365	7'9"	1145	3'9"
3305	7290	3455	7620	2535	8'4"	2365	7'9"	1170	3'10"
3440	7585	3590	7915	2535	8'4"	2365	7'9"	1195	3'11"
3555	7840	3705	8170	2525	8'4"	2415	7'11"	1210	4'
3715	8195	-	-	2525	8'3"	2675	8'9"	1255	4'1"
3775	8325	-	-	2525	8'3"	2675	8'9"	1255	4'1"
3830	8445	-	-	2525	8'3"	2675	8'9"	1255	4'1"
3905	8610	-	-	2525	8'3"	2675	8'9"	1255	4'1"
3965	8745	-	-	2525	8'3"	2675	8'9"	1255	4'1"
4040	8910	-	-	2525	8'3"	2675	8'9"	1255	4'1"
4100	9040	-	-	2525	8'3"	2675	8'9"	1255	4'1"

32522 S PX



7120	4935	3730	Kg
4.25	6.15	8.15	m
15700	10880	8220	lbs
13' 11"	20' 2"	26' 9"	ft

32523 S PX



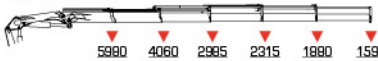
6805	4680	3500	2775	Kg
4.30	6.20	8.20	10.30	m
15000	10320	7720	6120	lbs
14' 1"	20' 4"	26' 11"	33' 10"	ft

32524 S PX



6325	4320	3205	2515	2065	Kg
4.40	6.25	8.25	10.35	12.55	m
13940	9520	7060	5540	4550	lbs
14' 5"	20' 6"	27' 1"	33' 11"	41' 2"	ft

32525 S PX



5980	4060	2985	2315	1880	1590	Kg
4.50	6.40	8.40	10.50	12.65	14.85	m
13180	8950	6580	5100	4140	3500	lbs
14' 9"	21'	27' 7"	34' 5"	41' 6"	48' 9"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi
32522 S PX	30,4	219880	40/90	11/24	33	4790
32523 S PX	29,3	211650	40/90	11/24	32,5	4710
32524 S PX	27,8	201290	40/90	11/24	31,5	4570
32525 S PX	26,9	194640	40/90	11/24	31	4500



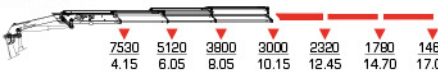
		ST	ST	mm	ft	mm	ft	mm	ft
	410	2930	6460	2505	8'2"	2370	7'9"	1125	3'8"
	410	3115	6870	2505	8'2"	2370	7'9"	1125	3'8"
	410	3285	7245	2505	8'2"	2370	7'9"	1125	3'8"
	410	3445	7595	2520	8'3"	2370	7'9"	1175	3'10"

36522 S



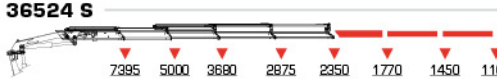
7930	5440	4090	Kg
4.10	6.00	8.00	m
17480	11990	9020	lbs
13' 5"	19' 8"	26'3"	ft

36523 S



7530	5120	3800	3000	2320	1780	1460	Kg
4.15	6.05	8.05	10.15	12.45	14.70	17.00	m
16600	11290	9380	6610	5110	3920	3220	lbs
13' 7"	19' 10"	26' 5"	33' 4"	40' 10"	48' 3"	35' 9"	ft

36524 S



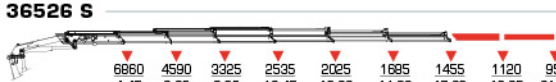
7395	5000	3680	2875	2350	1770	1450	1160	Kg
4.25	6.15	8.15	10.25	12.45	14.70	17.00	19.25	m
16300	11290	8110	6340	5180	3900	3200	2560	lbs
13' 11"	20' 2"	26' 9"	33' 8"	40' 10"	48' 3"	55' 9"	63' 2"	ft

36525 S



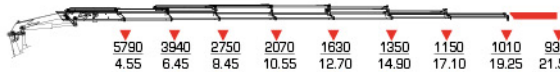
6980	4700	3430	2650	2145	1815	1430	1140	980	Kg
4.35	6.25	8.25	10.35	12.50	14.70	17.00	19.25	21.55	m
15390	10360	7560	5840	4730	4000	3150	2510	2160	lbs
14' 3"	20' 6"	27' 1"	33' 11"	41' 0"	48' 3"	55' 9"	63' 2"	70' 8"	ft

36526 S



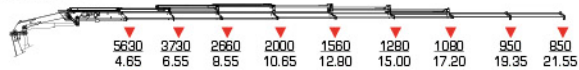
6860	4590	3325	2535	2025	1685	1455	1120	950	Kg
4.45	6.35	8.35	10.45	12.60	14.80	17.00	19.25	21.55	m
15120	10120	7330	5590	4460	3710	3210	2470	2090	lbs
14' 7"	20' 10"	27' 5"	34' 3"	41' 4"	48' 7"	55' 9"	63' 2"	70' 8"	ft

36527 S



5790	3940	2750	2070	1630	1350	1150	1010	930	Kg
4.55	6.45	8.45	10.55	12.70	14.90	17.10	19.25	21.55	m
12760	8690	6060	4560	3590	2980	2530	2230	2050	lbs
14' 11"	21' 2"	27' 9"	34' 7"	41' 8"	48' 11"	56' 1"	63' 2"	70' 8"	ft

36528 S



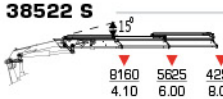
5630	3730	2660	2000	1560	1280	1090	950	850	Kg
4.65	6.55	8.55	10.65	12.80	15.00	17.20	19.35	21.55	m
12410	8220	5860	4410	3440	2820	2380	2090	1870	lbs
15' 3"	21' 6"	28' 1"	34' 11"	42'	49' 3"	56' 5"	63' 6"	70' 8"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°
36522 S	32,7	236660	40/90	11/24	31	4500	410
36523 S	31,9	230980	40/90	11/24	31	4500	410
36524 S	31,4	227320	40/90	11/24	31	4500	410
36525 S	30,4	219620	40/90	11/24	30,5	4420	410
36526 S	30,0	217260	40/90	11/24	30,5	4420	410
36527 S	26,3	190550	40/90	11/24	30	4350	410
36528 S	26,0	188410	40/90	11/24	30	4350	410



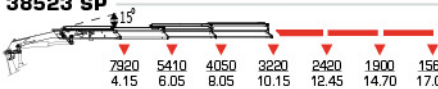
kg. ST	lbs ST	kg. LC	lbs LC	mm	ft	mm	ft	mm	ft
3100	6835	3210	7080	2505	8'2"	2370	7'9"	1125	3'8"
3300	7280	3410	7520	2505	8'2"	2370	7'9"	1125	3'8"
3490	7695	3600	7940	2505	8'2"	2370	7'9"	1125	3'8"
3665	8080	3775	8325	2520	8'3"	2370	7'9"	1175	3'10"
3825	8435	3935	8680	2520	8'3"	2370	7'9"	1200	3'11"
3955	8720	4065	8965	2520	8'3"	2370	7'9"	1220	3'11"
4065	8965	4175	9205	2520	8'3"	2415	7'11"	1240	4'1"

38522 S



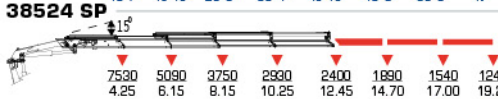
8160	5625	4250	Kg
4.10	6.00	8.00	m
17990	12400	9370	lbs
13' 5"	19' 8"	26' 3"	ft

38523 SP



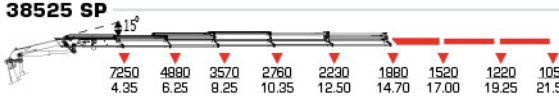
7920	5410	4050	3220	2420	1900	1560	Kg
4.15	6.05	8.05	10.15	12.45	14.70	17.00	m
17460	11930	8930	7100	5330	4190	3440	lbs
13' 7"	19' 10"	26' 5"	33' 4"	40' 10"	48' 3"	55' 9"	ft

38524 SP



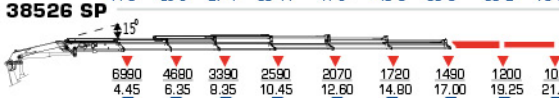
7530	5090	3750	2930	2400	1890	1540	1240	Kg
4.25	6.15	8.15	10.25	12.45	14.70	17.00	19.25	m
16600	11220	8270	6460	5290	4170	3390	2730	lbs
13' 11"	20' 2"	26' 9"	33' 8"	40' 10"	48' 3"	55' 9"	63' 2"	ft

38525 SP



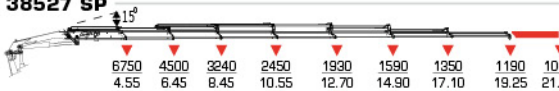
7250	4980	3570	2760	2230	1880	1520	1220	1050	Kg
4.35	6.25	8.25	10.35	12.50	14.70	17.00	19.25	21.55	m
15980	10760	7870	6080	4920	4140	3350	2690	2310	lbs
14' 3"	20' 6"	27' 1"	33' 11"	41' 0"	48' 3"	55' 9"	63' 2"	70' 8"	ft

38526 SP



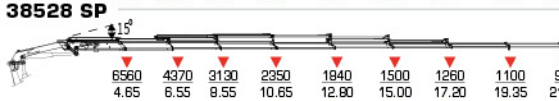
6990	4680	3390	2590	2070	1720	1490	1200	1020	Kg
4.45	6.35	8.35	10.45	12.60	14.80	17.00	19.25	21.55	m
15410	10320	7470	5710	4560	3790	3280	2640	2250	lbs
14' 7"	20' 10"	27' 5"	34' 3"	41' 4"	48' 7"	55' 9"	63' 2"	70' 8"	ft

38527 SP



6750	4500	3240	2450	1930	1590	1350	1190	1000	Kg
4.55	6.45	8.45	10.55	12.70	14.90	17.10	19.25	21.55	m
14880	9920	7140	5400	4250	3500	2980	2620	2200	lbs
14' 11"	21' 2"	27' 9"	34' 7"	41' 8"	48' 11"	56' 1"	63' 2"	70' 8"	ft

38528 SP



6560	4370	3130	2350	1840	1500	1260	1100	980	Kg
4.65	6.55	8.55	10.65	12.80	15.00	17.20	19.35	21.55	m
14460	9930	6900	5180	4060	3310	2780	2420	2160	lbs
15' 3"	21' 6"	28' 1"	34' 11"	42'	49' 3"	56' 5"	63' 6"	70' 8"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°
38522 SP	34	245920	80/100	21/26	32	4640	410
38523 SP	32,9	237730	80/100	21/26	32	4640	410
38524 SP	32	231470	80/100	21/26	32	4640	410
38525 SP	31,5	228110	80/100	21/26	32	4640	410
38526 SP	31,1	224990	80/100	21/26	32	4640	410
38527 SP	30,7	222140	80/100	21/26	32	4640	410
38528 SP	30,5	220640	80/100	21/26	32	4640	410
38524 SP + J1113.20	-	-	80/100	21/26	32	4640	410
38524 SP + J1114.20	-	-	80/100	21/26	32	4640	410
38524 SP + J1115.20	-	-	80/100	21/26	32	4640	410
38524 SP + J1116.20	-	-	80/100	21/26	32	4640	410
38525 SP + J814.20	-	-	80/100	21/26	32	4640	410
38525 SP + J815.20	-	-	80/100	21/26	32	4640	410
38526 SP + J613.20	-	-	80/100	21/26	32	4640	410
38526 SP + J614.20			80/100	21/26	32	4640	410

38524 SP + J1113.20



1330	1180	1050	960	Kg
15.1	16.65	18.3	20	m
2930	2600	2310	2120	lbs
40' 6"	54' 8"	60'	65' 7"	ft

38524 SP + J1114.20



1240	1100	970	870	800	Kg
15.15	16.7	18.35	20.05	21.75	m
2730	2420	2140	1920	1760	lbs
49' 8"	54' 9"	60' 2"	65' 9"	71' 4"	ft

38524 SP + J1115.20



Kg	1150	1000	880	780	710	650
m	15.20	16.75	18.40	20.10	21.80	23.50
lbs	2530	2200	1940	1720	1560	1430
ft	49' 10"	54' 11"	60' 4"	65' 11"	71' 6"	77' 1"

38524 SP + J1116.20



1100	950	830	730	650	600	550	Kg
15.30	16.85	18.50	20.20	21.90	23.60	25.30	m
2420	2090	1830	1610	1430	1320	1210	lbs
50' 2"	55' 3"	60' 8"	66' 3"	71' 10"	77' 5"	83'	ft

38525 SP + J814.20



900	790	700	640	590	Kg
17.6	19.2	20.9	22.6	24.35	m
1980	1740	1540	1410	1300	lbs
57' 9"	63'	68' 7"	74' 2"	79' 11"	ft

38525 SP + J815.20



Kg	830	730	650	580	530	490
m	17.7	19.3	21	22.7	24.4	26.2
lbs	1830	1610	1430	1280	1170	1080
ft	58' 1"	63' 4"	68' 11"	74' 6"	80' 1"	85' 11"

38526 SP + J613.20



710	640	580	540	Kg
19.85	21.55	23.25	25.00	m
1560	1410	1280	1190	lbs
65' 1"	70' 8"	76' 3"	82'	ft

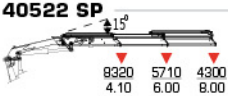
38526 SP + J614.20



Kg	660	590	530	490	450
m	19.95	21.65	23.35	24.1	26.85
lbs	1450	1300	1170	1080	990
ft	65' 5"	71'	76' 7"	82' 4"	88' 1"

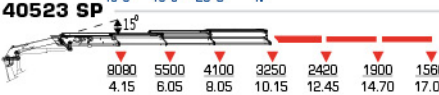
kg. ST	lbs ST	kg. LC	lbs LC	mm	ft	mm	ft	mm	ft
3100	6835	3210	7080	2505	8'2"	2370	7'9"	1125	3'8"
3300	7280	3410	7520	2505	8'2"	2370	7'9"	1125	3'8"
3490	7695	3600	7940	2505	8'2"	2370	7'9"	1125	3'8"
3665	8080	3775	8325	2520	8'3"	2370	7'9"	1175	3'10"
3825	8435	3935	8680	2520	8'3"	2370	7'9"	1200	3'11"
3955	8720	4065	8965	2520	8'3"	2370	7'9"	1220	4'
4065	8965	4175	9205	2520	8'3"	2415	7'11"	1240	4'1"
4310	9505	-	-	2520	8'3"	2670	8'9"	1295	4'3"
4390	9680	-	-	2520	8'3"	2670	8'9"	1295	4'3"
-	-	-	-	2520	8'3"	2670	8'9"	1295	4'3"
-	-	-	-	2520	8'3"	2670	8'9"	1295	4'3"
-	-	-	-	2520	8'3"	2670	8'9"	1295	4'3"
-	-	-	-	2520	8'3"	2670	8'9"	1295	4'3"
-	-	-	-	2520	8'3"	2670	8'9"	1295	4'3"
-	-			2520	8'3"	2670	8'9"	1295	4'3"

40522 SP



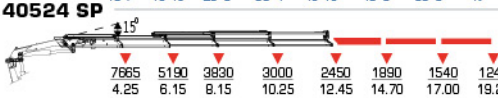
8320	5710	4300	Kg
4.10	6.00	8.00	m
18340	12590	9480	lbs
13' 5"	19' 8"	26' 3"	ft

40523 SP



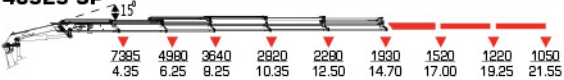
8080	5500	4100	3250	2420	1900	1560	Kg
4.15	6.05	8.05	10.15	12.45	14.70	17.00	m
17815	12120	9040	7160	5330	4190	3440	lbs
13' 7"	19' 10"	26' 5"	33' 4"	40' 10"	48' 3"	55' 9"	ft

40524 SP



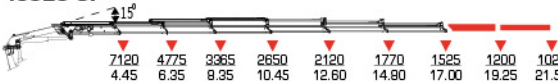
7665	5190	3830	3000	2450	1890	1540	1240	Kg
4.25	6.15	8.15	10.25	12.45	14.70	17.00	19.25	m
16900	11440	8440	6610	5400	4170	3390	2730	lbs
13' 11"	20' 2"	26' 9"	33' 8"	40' 10"	48' 3"	55' 9"	63' 2"	ft

40525 SP



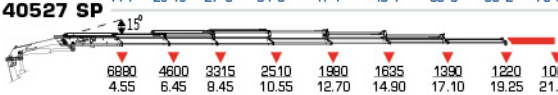
7395	4980	3640	2820	2280	1930	1520	1220	1050	Kg
4.35	6.25	8.25	10.35	12.50	14.70	17.00	19.25	21.55	m
16280	10980	9020	6220	5030	4250	3350	2690	2310	lbs
14' 3"	20' 6"	27' 1"	33' 11"	41' 0"	48' 3"	55' 9"	63' 2"	70' 8"	ft

40526 SP



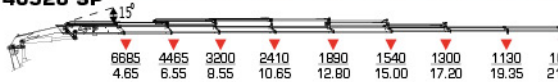
7120	4775	3365	2650	2120	1770	1525	1200	1020	Kg
4.45	6.35	8.35	10.45	12.60	14.80	17.00	19.25	21.55	m
15700	10530	7640	5840	4670	3900	3360	2640	2250	lbs
14' 7"	20' 10"	27' 5"	34' 3"	41' 4"	48' 7"	55' 9"	63' 2"	70' 8"	ft

40527 SP



6880	4600	3315	2510	1980	1635	1390	1220	1000	Kg
4.55	6.45	8.45	10.55	12.70	14.90	17.10	19.25	21.55	m
14990	10140	7310	5530	4360	3600	3060	2690	2200	lbs
14' 11"	21' 2"	27' 9"	34' 7"	41' 8"	48' 11"	56' 1"	63' 2"	70' 8"	ft

40528 SP



6685	4465	3200	2410	1890	1540	1300	1130	1010	Kg
4.65	6.55	8.55	10.65	12.80	15.00	17.20	19.35	21.55	m
14740	9840	7050	5310	4170	3390	2870	2490	2230	lbs
15' 3"	21' 6"	28' 1"	34' 11"	42'	49' 3"	56' 5"	63' 6"	70' 8"	ft

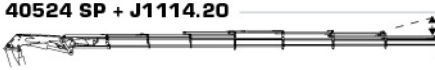
	tm	ft lbs	l/min	gals/min	Mpa	Psi	
40522 SP	34,4	248820	80/100	21/26	34	4930	
40523 SP	33,5	242540	80/100	21/26	34	4930	
40524 SP	32,6	235620	80/100	21/26	34	4930	
40525 SP	32,1	232360	80/100	21/26	34	4930	
40526 SP	31,7	229170	80/100	21/26	34	4930	
40527 SP	31,3	226420	80/100	21/26	34	4930	CONTINUO
40528 SP	31,1	224840	80/100	21/26	34	4930	CONTINUOS
40524 SP + J1113.20	-	-	80/100	21/26	34	4930	CONTINU
40524 SP + J1114.20	-	-	80/100	21/26	34	4930	ENDLOS
40524 SP + J1115.20	-	-	80/100	21/26	34	4930	CONTINUO
40524 SP + J1116.20	-	-	80/100	21/26	34	4930	
40525 SP + J814.20	-	-	80/100	21/26	34	4930	
40525 SP + J815.20	-	-	80/100	21/26	34	4930	
40526 SP + J613.20	-	-	80/100	21/26	34	4930	
40526 SP + J614.20	-	-	80/100	21/26	34	4930	

40524 SP + J1113.20



Kg	1370	1215	1090	990	
m	15.10	16.65	18.90	20	
lbs	3020	2680	2400	2180	
ft	49' 6"	54' 8"	60'	65' 7"	

40524 SP + J1114.20



Kg	1280	1130	1005	905	830	
m	15.15	16.7	18.35	20.05	21.75	
lbs	2820	2490	2210	1990	1830	
ft	49' 8"	54' 9"	60' 2"	65' 9"	71' 4"	

40524 SP + J1115.20



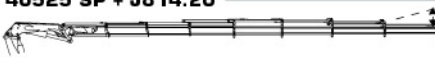
Kg	1180	1020	900	800	730	660
m	15.20	16.75	18.40	20.20	21.80	23.50
lbs	2600	2250	1980	1760	1610	1450
ft	49' 10"	54' 11"	60' 4"	66' 3"	71' 6"	77' 1"

40524 SP + J1116.20



Kg	1130	970	950	750	670	610	560
m	15.30	16.85	18.50	20.20	21.90	23.60	25.30
lbs	2490	2140	1970	1650	1480	1340	1230
ft	50' 2"	55' 3"	60' 8"	66' 3"	71' 10"	77' 5"	83'

40525 SP + J814.20



Kg	980	880	790	720	660
m	17.6	19.2	20.9	22.6	24.35
lbs	2160	1940	1740	1590	1450
ft	57' 9"	63'	68' 7"	74' 2"	79' 11"

40525 SP + J815.20



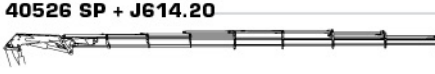
Kg	930	825	740	670	615	570
m	17.7	19.3	21	22.7	24.4	26.2
lbs	2050	1820	1630	1480	1350	1260
ft	58' 1"	63' 4"	68' 11"	74' 6"	80' 1"	85' 11"

40526 SP + J613.20



Kg	740	660	600	560
m	19.85	21.55	23.25	25.00
lbs	1630	1450	1320	1230
ft	65' 1"	70' 8"	76' 3"	82'

40526 SP + J614.20



Kg	700	625	564	520	480	
m	19.95	21.65	23.35	25.1	26.85	
lbs	1540	1380	1240	1150	1060	
ft	65' 5"	71'	76' 7"	82' 4"	88' 1"	

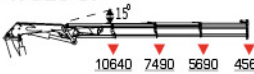
kg. ST	lbs ST	kg. LC	lbs LC	mm	ft	mm	ft	mm	ft
3145	6935	3255	7180	2525	8'3"	2370	7'9"	1130	3'8"
3345	7375	3455	7620	2525	8'3"	2370	7'9"	1130	3'8"
3535	7795	3645	8040	2525	8'3"	2370	7'9"	1130	3'8"
3715	8195	3825	8435	2540	8'4"	2370	7'9"	1180	3'10"
3870	8535	3980	8775	2540	8'4"	2370	7'9"	1205	3'11"
4005	8830	4115	9075	2540	8'4"	2370	7'9"	1225	4'
4115	9075	4225	9315	2540	8'4"	2410	7'11"	1245	4'1"
4355	9605	-	-	2530	8'4"	2670	8'9"	1300	4'3"
4435	9780	-	-	2530	8'4"	2670	8'9"	1300	4'3"
4495	9910	-	-	2530	8'4"	2670	8'9"	1300	4'3"
4580	10100	-	-	2530	8'4"	2670	8'9"	1300	4'3"
4525	9980	-	-	2530	8'4"	2670	8'9"	1300	4'3"
4580	10100	-	-	2530	8'4"	2670	8'9"	1300	4'3"
4565	10065	-	-	2530	8'4"	2670	8'9"	1300	4'3"
4665	10285			2530	8'4"	2670	8'9"	1300	4'3"

47522 SP



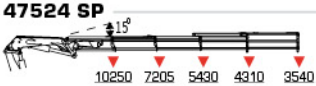
11060	7510	5720		Kg
3,9	5,9	7,75		m
24380	16560	12610		lbs
12' 10"	19' 4"	25' 5"		ft

47523 SP



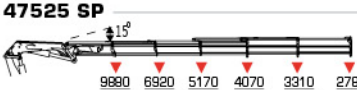
10640	7490	5690	4560	Kg
4	5,7	7,55	9,45	m
23460	16510	12540	10050	lbs
13' 1"	18' 8"	24' 9"	31'	ft

47524 SP



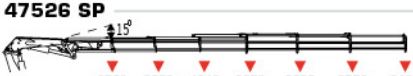
10250	7205	5430	4310	3540	Kg
4,15	5,85	7,7	9,6	11,7	m
22600	15880	11970	9500	7800	lbs
13' 7"	19' 2"	25' 3"	31' 6"	38' 5"	ft

47525 SP



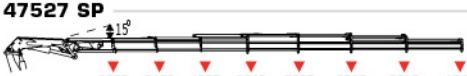
9880	6920	5170	4070	3310	2780	Kg
4,2	5,9	7,7	9,6	11,65	13,85	m
21780	15250	11400	8970	7300	6130	lbs
13' 9"	19' 4"	25' 3"	31' 6"	38' 3"	45' 5"	ft

47526 SP



9530	6650	4940	3850	3095	2570	2195	Kg
4,3	6,05	7,85	9,8	11,9	14	16,2	m
21010	14660	10890	8490	6820	5660	4840	lbs
14' 1"	19' 10"	25' 9"	32' 2"	39' 1"	45' 11"	53' 2"	ft

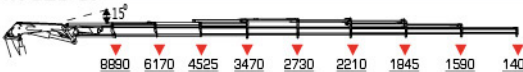
47527 SP



9205	6400	4725	3640	2905	2380	2010	1745	Kg
4,4	6,1	7,9	9,8	11,9	14	16,3	18,5	m
20290	14110	10420	8020	6400	5250	4430	3850	lbs
14' 5"	20'	25' 11"	32' 2"	39' 1"	45' 11"	53' 6"	60' 8"	ft

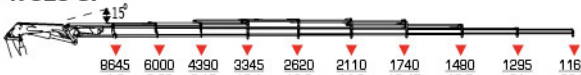
	tm	ft lbs	l/min	gals/min	Mpa	Psi	
47522 SP	44,3	320640	80/100	21/26	33	4790	395°
47523 SP	43,1	311690	80/100	21/26	33	4790	395°
47524 SP	42,5	307670	80/100	21/26	33	4790	395°
47525 SP	41,5	300140	80/100	21/26	33	4790	395°
47526 SP	41	296400	80/100	21/26	33	4790	395°
47527 SP	40,5	292950	80/100	21/26	33	4790	395°
47528 SP	40	289360	80/100	21/26	33	4790	395°
47529 SP	39,8	287640	80/100	21/26	33	4790	395°

47528 SP



8890	6170	4525	3470	2730	2210	1845	1590	1400	Kg
4,5	6,25	8,05	10	12,1	14,2	16,35	18,6	20,9	m
19600	13600	9970	7650	6020	4870	4070	3500	3090	lbs
14' 9"	20' 6"	26' 5"	32' 10"	39' 8"	46' 7"	53' 8"	61'	68' 7"	ft

47529 SP



8645	6000	4390	3345	2620	2110	1740	1490	1295	1165	Kg
4,6	6,35	8,15	10,1	12,2	14,3	16,45	18,7	21	23,2	m
19060	13230	9680	7370	5780	4650	3840	3260	2850	2570	lbs
15' 1"	20' 10"	26' 9"	33' 2"	40'	46' 11"	54'	61' 4"	68' 11"	76' 1"	ft



kg. ST	lbs ST	mm	ft	mm	ft	mm	ft
4175	9205	2550	8' 4"	2500	8' 2"	1330	4' 4"
4390	9680	2550	8' 4"	2500	8' 2"	1330	4' 4"
4635	10220	2500	8' 4"	2500	8' 2"	1330	4' 4"
4855	10705	2550	8' 4"	2500	8' 2"	1330	4' 4"
5055	11145	2550	8' 4"	2500	8' 2"	1415	4' 8"
5230	11535	2550	8' 4"	2500	8' 2"	1445	4' 9"
5405	11920	2550	8' 4"	2500	8' 2"	1445	4' 9"
5540	12215	2550	8' 4"	2500	8' 2"	1445	4' 9"

47524 SP + J1414.20



1700	1500	1330	1200	1090	Kg
14,80	16,35	18,00	19,70	21,40	m
3750	3310	2930	2640	2380	lbs
48' 7"	53' 8"	59' 1"	64' 8"	70' 3"	ft

47524 SP + J1415.20



1600	1400	1240	1110	980	820	Kg
14,90	16,45	18,10	19,80	21,50	23,20	m
3530	3090	2730	2450	2160	1810	lbs
48' 11"	54'	59' 5"	65'	70' 6"	76' 1"	ft

47524 SP + J1416.20



Kg	1540	1340	1180	1050	930	760	650
m	14,95	16,50	18,15	19,85	21,55	23,25	24,95
lbs	3390	2950	2600	2310	2050	1670	1430
ft	49' 1"	54' 2"	59' 7"	65' 1"	70' 8"	76' 3"	81' 10"

47525 SP + J1214.20



1250	1120	1010	920	950	Kg
16,75	18,30	19,95	21,65	23,35	m
2750	2470	2230	2030	1870	lbs
54' 11"	60'	65' 5"	71'	76' 7"	ft

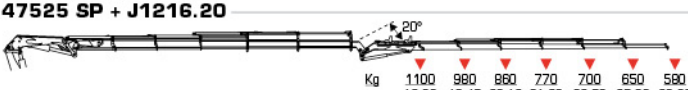
47525 SP + J1215.20



1170	1030	920	830	750	710	Kg
16,85	18,40	20,05	21,75	23,45	25,15	m
2580	2270	2030	1830	1650	1560	lbs
55' 3"	60' 4"	65' 9"	71' 4"	76' 11"	82' 6"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°
47524 SP + J1414.20	–	–	80/100	21/26	33	4790	395°
47524 SP + J1415.20	–	–	80/100	21/26	33	4790	395°
47524 SP + J1416.20	–	–	80/100	21/26	33	4790	395°
47525 SP + J1214.20	–	–	80/100	21/26	33	4790	395°
47525 SP + J1215.20	–	–	80/100	21/26	33	4790	395°
47525 SP + J1216.20	–	–	80/100	21/26	33	4790	395°
47526 SP + J1214.20	–	–	80/100	21/26	33	4790	395°
47526 SP + J1215.20	–	–	80/100	21/26	33	4790	395°
47526 SP + J1216.20	–	–	80/100	21/26	33	4790	395°

47525 SP + J1216.20



Kg	1100	980	860	770	700	650	580
m	16,90	18,45	20,10	21,80	23,50	25,20	26,90
lbs	2420	2160	1890	1700	1540	1430	1280
ft	55' 5"	60' 6"	65' 11"	71' 6"	77' 1"	82' 8"	88' 3"

47526 SP + J1214.20



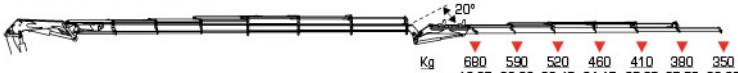
820	730	660	600	550	Kg
19,10	20,65	22,30	24,00	25,70	m
1810	1610	1450	1320	1210	lbs
62' 8"	67' 9"	73' 2"	78' 9"	84' 4"	ft

47526 SP + J1215.20



Kg	740	650	570	510	470	440
m	19,20	20,75	22,40	24,10	25,80	27,50
lbs	1630	1430	1260	1120	1040	970
ft	63'	68' 1"	73' 6"	79' 1"	84' 8"	90' 3"

47526 SP + J1216.20



Kg	680	590	520	460	410	380	350
m	19,25	20,80	22,45	24,15	25,85	27,55	29,25
lbs	1500	1300	1150	1010	900	840	770
ft	63' 2"	68' 3"	73' 8"	79' 3"	84' 10"	90' 5"	96'

	kg. ST	lbs ST	mm	ft	mm	ft	mm	ft
	5775	12735	2550	8' 4"	2770	9' 1"	1645	5' 5"
	5845	12890	2550	8' 4"	2770	9' 1"	1645	5' 5"
	5920	13055	2550	8' 4"	2770	9' 1"	1645	5' 5"
	5935	13085	2550	8' 4"	2770	9' 1"	1635	5' 4"
	5995	13220	2550	8' 4"	2770	9' 1"	1635	5' 4"
	6080	13405	2550	8' 4"	2770	9' 1"	1635	5' 4"
	6135	13530	2550	8' 4"	2755	9'	1635	5' 4"
	6195	13660	2550	8' 4"	2755	9'	1635	5' 4"
	6280	13850	2550	8' 4"	2755	9'	1635	5' 4"

47527 SP + J813.20



47527 SP + J814.20



47527 SP + J815.20



	tm	ft lbs	l/min	gals/min	Mpa	Psi	°
47527 SP + J813.20	—	—	80/100	21/26	33	4790	395°
47527 SP + J814.20	—	—	80/100	21/26	33	4790	395°
47527 SP + J815.20	—	—	80/100	21/26	33	4790	395°
47528 SP + J612.20	—	—	80/100	21/26	33	4790	395°
47528 SP + J613.20	—	—	80/100	21/26	33	4790	395°
47528 SP + J614.20	—	—	80/100	21/26	33	4790	395°

47528 SP + J612.20



47528 SP + J613.20

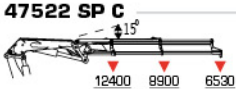


47528 SP + J614.20



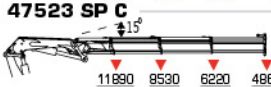
kg. ST	lbs ST	mm	ft	mm	ft	mm	ft
5935	13085	2550	8' 4"	2725	8' 11"	1585	5' 2"
5995	13220	2550	8' 4"	2725	8' 11"	1585	5' 2"
6050	13340	2550	8' 4"	2725	8' 11"	1585	5' 2"
6035	13305	2550	8' 4"	2760	9' 1"	1585	5' 2"
6085	13420	2550	8' 4"	2760	9' 1"	1585	5' 2"
6145	13550	2550	8' 4"	2760	9' 1"	1585	5' 2"

47522 SP C



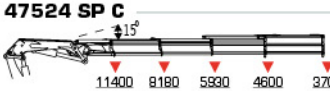
12400	9900	6530	Kg
3,25	4,70	6,50	m
27340	19620	14400	lbs
10' 8"	15' 5"	21' 4"	ft

47523 SP C



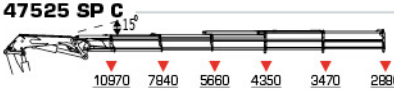
11890	9530	6220	4860	Kg
3,35	4,80	6,60	8,50	m
26210	18900	13710	10710	lbs
11'	15' 9"	21' 8"	27' 11"	ft

47524 SP C



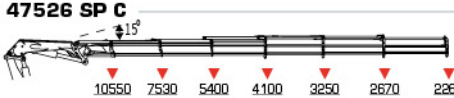
11400	8180	5930	4600	3700	Kg
3,45	4,90	6,70	8,60	10,65	m
25130	18030	13070	10140	8160	lbs
11' 4"	16' 1"	22'	28' 3"	34' 11"	ft

47525 SP C



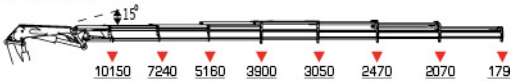
10970	7940	5660	4350	3470	2880	Kg
3,55	5,00	6,80	8,70	10,75	12,90	m
24180	17280	12480	9590	7650	6350	lbs
11' 8"	16' 5"	22' 4"	28' 7"	35' 3"	42' 4"	ft

47526 SP C



10550	7530	5400	4100	3250	2670	2260	Kg
3,65	5,10	6,90	8,90	10,85	13,00	15,25	m
23260	16600	11900	9040	7160	5890	4980	lbs
12'	16' 9"	22' 8"	29' 10"	35' 7"	42' 8"	50'	ft

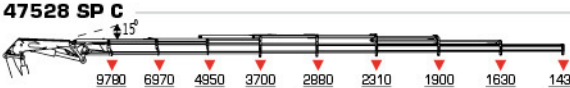
47527 SP C



10150	7240	5160	3900	3050	2470	2070	1790	Kg
3,75	5,20	7,00	8,90	10,95	13,10	15,35	17,60	m
22380	15960	11370	9600	6720	5440	4560	3950	lbs
12' 4"	17' 1"	23'	29' 2"	35' 11"	43'	50' 4"	57' 9"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	ST kg.	ST lbs	mm	ft	mm	ft	mm	ft
47522 SP C	42,4	307010	80/100	21/26	33	4790	395°	4125	9095	2550	8' 4"	2500	8' 2"	1330	4' 4"
47523 SP C	41,3	298800	80/100	21/26	33	4790	395°	4340	9570	2550	8' 4"	2500	8' 2"	1330	4' 4"
47524 SP C	40,1	289910	80/100	21/26	33	4790	395°	4585	10110	2550	8' 4"	2500	8' 2"	1330	4' 4"
47525 SP C	39,2	283530	80/100	21/26	33	4790	395°	4805	10595	2550	8' 4"	2500	8' 2"	1330	4' 4"
47526 SP C	38,5	278530	80/100	21/26	33	4790	395°	5005	11035	2550	8' 4"	2500	8' 2"	1415	4' 8"
47527 SP C	38,1	275310	80/100	21/26	32	4640	395	5180	11420	2550	8'4"	2500	8'2"	1450	4'9"
47528 SP C	37,7	272340	80/100	21/26	32	4640	395	5355	11810	2550	8'4"	2500	8'2"	1450	4'9"
47529 SP C	37,5	271420	80/100	21/26	32	4640	395	5490	12105	2550	8'4"	2500	8'2"	1450	4'9"

47528 SP C



9780	6970	4950	3700	2880	2310	1900	1630	1430	Kg
3,95	5,30	7,10	9,00	11,05	13,20	15,45	17,70	19,95	m
21560	15370	10910	8160	6350	5090	4190	3590	3150	lbs
12' 8"	17' 5"	23' 4"	29' 6"	36' 3"	43' 4"	50' 8"	58' 1"	65' 5"	ft

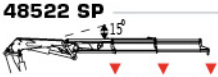
47529 SP C



9500	6770	4800	3580	2760	2200	1800	1520	1330	1190	Kg
3,95	5,40	7,20	9,10	11,15	13,30	15,55	17,80	20,05	22,30	m
20940	14920	10580	7890	6080	4850	3970	3350	2930	2620	lbs
13'	17' 9"	23' 7"	29' 10"	36' 7"	43' 8"	51'	58' 5"	65' 9"	73' 2"	ft

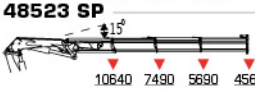


48522 SP



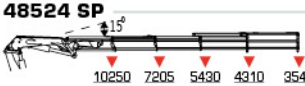
11060	7510	5720	Kg
4,05	6,05	7,90	m
24390	16560	12610	lbs
13' 3"	19' 10"	25' 11"	ft

48523 SP



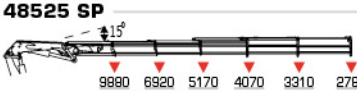
10640	7490	5690	4560	Kg
4,15	5,85	7,70	9,60	m
23460	16510	12540	10050	lbs
13' 7"	19' 2"	25' 3"	31' 6"	ft

48524 SP



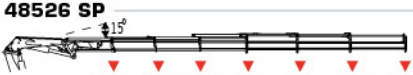
10250	7205	5430	4310	3540	Kg
4,30	6,00	7,85	9,75	11,85	m
22600	15880	11970	9500	7800	lbs
14' 1"	19' 8"	25' 9"	32'	39' 11"	ft

48525 SP



9880	6920	5170	4070	3310	2780	Kg
4,35	6,05	7,85	9,75	11,80	14,00	m
21780	15250	11400	8970	7300	6130	lbs
14' 3"	19' 10"	25' 9"	32'	38' 9"	45' 11"	ft

48526 SP



9530	6650	4940	3850	3095	2570	2195	Kg
4,45	6,20	8,00	9,95	12,05	14,15	16,35	m
21010	14660	10890	8490	6820	5660	4840	lbs
14' 7"	20' 4"	26' 3"	32' 8"	39' 6"	46' 5"	53' 8"	ft

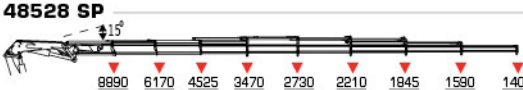
48527 SP



9205	6400	4725	3640	2905	2380	2010	1745	Kg
4,55	6,25	8,05	9,95	12,05	14,15	16,45	18,65	m
20290	14110	10420	8020	6400	5250	4430	3850	lbs
14' 11"	20' 6"	26' 5"	32' 8"	39' 6"	46' 5"	54'	61' 2"	ft

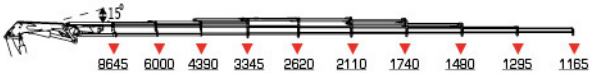
	tm	ft lbs	l/min	gals/min	Mpa	Psi	
48522 SP	45,4	328640	80/100	21/26	33	4790	Cont.
48523 SP	44,2	319380	80/100	21/26	33	4790	Cont.
48524 SP	44,1	318800	80/100	21/26	33	4790	Cont.
48525 SP	43	310860	80/100	21/26	33	4790	Cont.
48526 SP	42,4	306740	80/100	21/26	33	4790	Cont.
48527 SP	41,9	302940	80/100	21/26	33	4790	Cont.
48528 SP	41,3	299000	80/100	21/26	33	4790	Cont.
48529 SP	41,1	297010	80/100	21/26	33	4790	Cont.

48528 SP



8990	6170	4525	3470	2730	2210	1845	1590	1400	Kg
4,65	6,40	8,20	10,15	12,25	14,35	16,50	18,75	21,05	m
19600	13600	9970	7650	6020	4870	4070	3500	3090	lbs
15' 3"	21'	26' 11"	33' 4"	40' 2"	47' 1"	54' 2"	61' 6"	69' 1"	ft

48529 SP



8645	6000	4390	3345	2620	2110	1740	1480	1295	1165	Kg
4,75	6,50	8,30	10,25	12,35	14,45	16,60	18,85	21,15	23,35	m
19060	13230	9680	7370	5780	4650	3840	3260	2850	2570	lbs
15' 7"	21' 4"	27' 3"	33' 8"	40' 6"	47' 5"	54' 6"	61' 10"	69' 5"	76' 7"	ft



kg. ST	lbs ST	mm	ft	mm	ft	mm	ft
4365	9625	2550	8' 4"	2500	8' 2"	1330	4' 4"
4580	10100	2550	8' 4"	2500	8' 2"	1330	4' 4"
4825	10640	2550	8' 4"	2500	8' 2"	1330	4' 4"
5045	11125	2550	8' 4"	2500	8' 2"	1330	4' 4"
5245	11565	2550	8' 4"	2500	8' 2"	1415	4' 8"
5420	11950	2550	8' 4"	2500	8' 2"	1445	4' 9"
5595	12335	2550	8' 4"	2500	8' 2"	1445	4' 9"
5730	12635	2550	8' 4"	2500	8' 2"	1445	4' 9"

48525 SP + J1214.20



1300	1160	1050	950	880	Kg
16,90	18,45	20,10	21,90	23,50	m
2870	2560	2310	2090	1940	lbs
55' 5"	60' 6"	65' 11"	71' 6"	77' 1"	ft

48525 SP + J1215.20



1210	1080	960	870	790	720	Kg
17,00	18,55	20,20	21,90	23,60	25,30	m
2670	2380	2120	1920	1740	1590	lbs
55' 9"	60' 10"	66' 3"	71' 10"	77' 5"	83'	ft

48525 SP + J1216.20



Kg	1160	1020	900	810	740	670	610
m	17,05	18,60	20,25	21,95	23,65	25,35	27,05
lbs	2560	2250	1980	1780	1630	1490	1340
ft	55' 11"	61'	66' 5"	72'	77' 7"	83' 2"	88' 9"

48526 SP + J1214.20



860	770	690	630	580	Kg
19,25	20,80	22,45	24,15	25,85	m
1890	1700	1520	1390	1280	lbs
63' 2"	68' 3"	73' 9"	79' 3"	84' 10"	ft

48526 SP + J1215.20



Kg	770	680	610	550	500	460
m	19,35	20,90	22,50	24,25	25,95	27,65
lbs	1700	1500	1340	1210	1100	1010
ft	63' 6"	68' 7"	73' 10"	79' 7"	85' 2"	90' 9"

48526 SP + J1216.20



Kg	720	630	550	490	440	410	380
m	19,40	20,95	22,60	24,30	26,00	27,70	29,40
lbs	1590	1390	1210	1080	970	900	840
ft	63' 8"	68' 9"	74' 2"	79' 9"	85' 4"	90' 11"	96' 5"

	tm	ft lbs	l/min	gals/min	Mpa	Psi	
48525 SP + J1214.20	—	—	80/100	21/26	33	4790	Cont.
48525 SP + J1215.20	—	—	80/100	21/26	33	4790	Cont.
48525 SP + J1216.20	—	—	80/100	21/26	33	4790	Cont.
48526 SP + J1214.20	—	—	80/100	21/26	33	4790	Cont.
48526 SP + J1215.20	—	—	80/100	21/26	33	4790	Cont.
48526 SP + J1216.20	—	—	80/100	21/26	33	4790	Cont.
48527 SP + J813.20	—	—	80/100	21/26	33	4790	Cont.
48527 SP + J814.20	—	—	80/100	21/26	33	4790	Cont.
48527 SP + J815.20	—	—	80/100	21/26	33	4790	Cont.
48528 SP + J612.20	—	—	80/100	21/26	33	4790	Cont.
48528 SP + J613.20	—	—	80/100	21/26	33	4790	Cont.
48528 SP + J614.20	—	—	80/100	21/26	33	4790	Cont.

48527 SP + J813.20



48527 SP + J814.20



48527 SP + J815.20



48528 SP + J612.20



48528 SP + J613.20

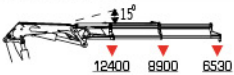


48528 SP + J614.20



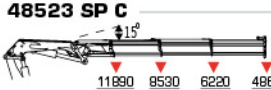
kg. ST	lbs ST	mm	ft	mm	ft	mm	ft
6125	13505	2550	8' 4"	2770	9' 1"	1635	5' 4"
6185	13640	2550	8' 4"	2770	9' 1"	1635	5' 4"
6270	13825	2550	8' 4"	2770	9' 1"	1635	5' 4"
6325	13945	2550	8' 4"	2755	9'	1635	5' 4"
6385	14080	2550	8' 4"	2755	9'	1635	5' 4"
6470	14265	2550	8' 4"	2755	9'	1635	5' 4"
6125	13505	2550	8' 4"	2725	8' 11"	1585	5' 2"
6185	13640	2550	8' 4"	2725	8' 11"	1585	5' 2"
6240	13760	2550	8' 4"	2725	8' 11"	1585	5' 2"
6225	13725	2550	8' 4"	2760	9' 1"	1585	5' 2"
6275	13835	2550	8' 4"	2760	9' 1"	1585	5' 2"
6335	13970	2550	8' 4"	2760	9' 1"	1585	5' 2"

48522 SP C



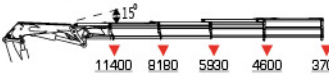
12400	8900	6530	Kg
3,40	4,85	6,65	m
27340	19620	14400	lbs
11' 2"	15' 11"	21' 10"	ft

48523 SP C



11890	8530	6220	4860	Kg
3,50	4,95	6,75	8,65	m
26210	18800	13710	10710	lbs
11' 6"	16' 3"	22' 2"	28' 5"	ft

48524 SP C



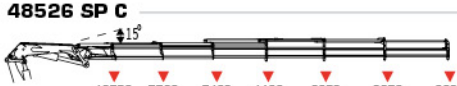
11400	8180	5930	4600	3700	Kg
3,60	5,05	6,85	8,75	10,80	m
25130	18030	13070	10140	8160	lbs
11' 10"	16' 7"	22' 6"	28' 8"	35' 5"	ft

48525 SP C



10970	7840	5660	4350	3470	2890	Kg
3,70	5,15	6,95	8,85	10,90	13,05	m
24190	17280	12480	9590	7650	6350	lbs
12' 2"	16' 11"	22' 10"	29'	35' 9"	42' 10"	ft

48526 SP C



10550	7530	5400	4100	3250	2670	2260	Kg
3,80	5,25	7,05	8,95	11,00	13,15	15,40	m
23260	16600	11900	9040	7160	5990	4980	lbs
12' 6"	17' 3"	23' 2"	29' 4"	36' 1"	43' 2"	50' 6"	ft

48527 SP C



10150	7240	5160	3900	3050	2470	2070	1790	Kg
3,90	5,35	7,15	9,05	11,10	13,25	15,50	17,75	m
22380	15960	11370	8600	6720	5440	4560	3950	lbs
12' 10"	17' 7"	23' 5"	29' 8"	36' 5"	43' 6"	50' 10"	58' 3"	ft

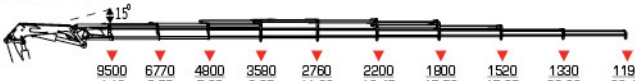
	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	kg. ST	lbs ST	mm	ft	mm	ft	mm	ft
48522 SP C	43,4	314090	80/100	21/26	33	4790	Cont.	4315	9515	2550	8' 4"	2500	8' 2"	1330	4' 4"
48523 SP C	42,2	305400	80/100	21/26	33	4790	Cont.	4530	9990	2550	8' 4"	2500	8' 2"	1330	4' 4"
48524 SP C	41,3	298790	80/100	21/26	33	4790	Cont.	4775	10530	2550	8' 4"	2500	8' 2"	1330	4' 4"
48525 SP C	40,6	293580	80/100	21/26	33	4790	Cont.	4995	11015	2550	8' 4"	2500	8' 2"	1330	4' 4"
48526 SP C	40,1	289970	80/100	21/26	33	4790	Cont.	5195	11455	2550	8' 4"	2500	8' 2"	1415	4' 8"
48527 SP C	39,6	286320	80/100	21/26	32	4640	Cont.	5370	11840	2550	8'4"	2500	8'2"	1445	4' 9"
48528 SP C	39,1	282960	80/100	21/26	32	4640	Cont.	5545	12225	2550	8'4"	2500	8'2"	1445	4' 9"
48529 SP C	39	281730	80/100	21/26	32	4640	Cont.	5680	12525	2550	8'4"	2500	8'2"	1445	4' 9"

48528 SP C



9780	6970	4950	3700	2980	2310	1900	1630	1430	Kg
4,00	5,45	7,25	9,15	11,20	13,35	15,60	17,85	20,10	m
21560	15370	10910	8160	6350	5090	4190	3590	3150	lbs
13' 1"	17' 11"	23' 9"	30'	36' 9"	43' 10"	51' 2"	58' 7"	65' 11"	ft

48529 SP C



9500	6770	4800	3580	2760	2200	1800	1520	1330	1190	Kg
4,10	5,55	7,35	9,25	11,30	13,45	15,70	17,95	20,20	22,45	m
20940	14920	10580	7890	6080	4950	3970	3350	2930	2620	lbs
13' 5"	18' 3"	24' 1"	30' 4"	37' 1"	44' 2"	51' 6"	58' 11"	68' 3"	73' 8"	ft



50522 SP



11490	8170	6250	Kg
3,90	5,90	7,75	m
25330	18010	13780	lbs
12' 10"	19' 4"	25' 5"	ft

50523 SP



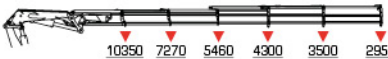
11100	7960	5970	4780	Kg
4,00	5,70	7,55	9,45	m
24470	17330	13160	10540	lbs
13' 1"	18' 8"	24' 9"	31'	ft

50524 SP



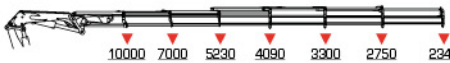
10720	7560	5700	4540	3730	Kg
4,15	5,85	7,70	9,60	11,70	m
23630	16670	12570	10010	8220	lbs
13' 7"	19' 2"	25' 3"	31' 6"	38' 5"	ft

50525 SP



10350	7270	5460	4300	3500	2950	Kg
4,20	5,90	7,70	9,60	11,65	13,85	m
22820	16030	12040	9480	7720	6500	lbs
13' 9"	19' 4"	25' 3"	31' 6"	38' 3"	45' 5"	ft

50526 SP



10000	7000	5230	4090	3300	2750	2340	Kg
4,30	6,05	7,85	9,90	11,90	14,00	16,20	m
22050	15430	11530	9020	7270	6060	5160	lbs
14' 1"	19' 10"	25' 9"	32' 2"	39' 1"	45' 11"	53' 2"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	kg. ST	lbs ST	mm	ft	mm	ft	mm	ft
50522 SP	48,4	350350	80/100	21/26	34,5	5000	395	4175	9205	2550	8'4"	2500	8'2"	1330	4'4"
50523 SP	45,2	326720	80/100	21/26	34,5	5000	395	4390	9680	2550	8'4"	2500	8'2"	1330	4'4"
50524 SP	44,5	321780	80/100	21/26	34,5	5000	395	4635	10220	2550	8'4"	2500	8'2"	1330	4'4"
50525 SP	43,5	314420	80/100	22/26	34,5	5000	395	4855	10705	2550	8'4"	2500	8'2"	1330	4'4"
50526 SP	43	311020	80/100	23/26	34,5	5000	395	5055	11145	2550	8'4"	2500	8'2"	1420	4'8"

50522 PX



11490	8170	6250	Kg
3,90	5,90	7,75	m
25330	19010	13780	lbs
12' 10"	19' 4"	25' 5"	ft

50523 PX



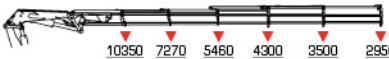
11100	7960	5970	4780	Kg
4,00	5,70	7,55	9,45	m
24470	17330	13160	10540	lbs
13' 1"	18' 9"	24' 9"	31'	ft

50524 PX



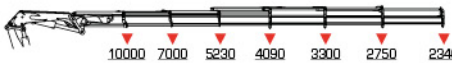
10720	7560	5700	4540	3730	Kg
4,15	5,85	7,70	9,60	11,70	m
23630	16670	12570	10010	8220	lbs
13' 7"	19' 2"	25' 3"	31' 6"	38' 5"	ft

50525 PX



10350	7270	5460	4300	3500	2950	Kg
4,20	5,90	7,70	9,60	11,65	13,85	m
22820	16030	12040	9480	7720	6500	lbs
13' 9"	19' 4"	25' 3"	31' 6"	38' 3"	45' 5"	ft

50526 PX



10000	7000	5230	4090	3300	2750	2340	Kg
4,30	6,05	7,85	9,90	11,90	14,00	16,20	m
22050	15430	11530	9020	7270	6060	5160	lbs
14' 1"	19' 10"	25' 9"	32' 2"	39' 1"	45' 11"	53' 2"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	ST kg.	ST lbs	mm	ft	mm	ft	mm	ft
50522 PX	48,4	350350	40/80	11/21	34,5	5000	395	4175	9205	2550	8'4"	2500	8'2"	1330	4'4"
50523 PX	45,2	326720	40/80	11/21	34,5	5000	395	4390	9680	2550	8'4"	2500	8'2"	1330	4'4"
50524 PX	44,5	321780	40/80	11/21	34,5	5000	395	4635	10220	2550	8'4"	2500	8'2"	1330	4'4"
50525 PX	43,5	314420	40/80	11/21	34,5	5000	395	4855	10705	2550	8'4"	2500	8'2"	1330	4'4"
50526 PX	43	311020	40/80	11/21	34,5	5000	395	5055	11145	2550	8'4"	2500	8'2"	1420	4'8"

50522 SP C



13000	8980	6870	Kg
3,30	4,95	6,80	m
28660	19800	15140	lbs
10' 10"	16' 3"	22' 4"	ft

50523 SP C



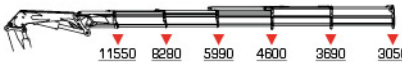
12500	8980	6550	5120	Kg
3,40	4,80	6,60	8,50	m
27560	19800	14440	11290	lbs
11' 2"	15' 9"	21' 8"	27' 11"	ft

50524 SP C



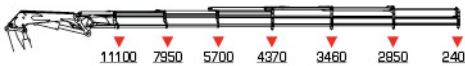
12000	8620	6260	4960	3920	Kg
3,50	4,90	6,70	8,60	10,65	m
26450	19000	13800	10710	8640	lbs
11' 6"	16' 1"	22'	28' 3"	34' 11"	ft

50525 SP C



11550	8290	5990	4600	3690	3050	Kg
3,55	5,00	6,80	8,70	10,75	12,90	m
25460	18250	13200	10140	8130	6720	lbs
11' 8"	16' 5"	22' 4"	28' 7"	35' 3"	42' 4"	ft

50526 SP C



11100	7950	5700	4370	3460	2850	2400	Kg
3,65	5,10	6,90	8,80	10,85	13,00	15,25	m
24470	17530	12570	9630	7630	6280	5290	lbs
12'	16' 9"	22' 8"	28' 10"	35' 7"	42' 8"	50'	ft

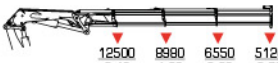
	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	kg. ST	lbs ST	mm	ft	mm	ft	mm	ft
50522 SP C	46,7	337900	40/80	11/21	31,5	4570	395	4125	9095	2550	8'4"	2500	8'2"	1330	4'4"
50523 SP C	43,5	314780	40/80	11/21	31,5	4570	395	4340	9570	2550	8'4"	2500	8'2"	1330	4'4"
50524 SP C	42,2	305510	40/80	11/21	31,5	4570	395	4585	10110	2550	8'4"	2500	8'2"	1330	4'4"
50525 SP C	41,4	299450	40/80	11/21	31,5	4570	395	4805	10595	2550	8'4"	2500	8'2"	1330	4'4"
50526 SP C	40,5	293260	40/80	11/21	31,5	4570	395	5005	11035	2550	8'4"	2500	8'2"	1420	4'8"

50522 PX C



13000	8980	6870	Kg
3,30	4,95	6,80	m
28660	19800	15140	lbs
10' 10"	16' 3"	22' 4"	ft

50523 PX C



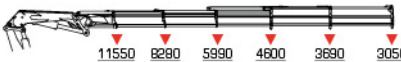
12500	8980	6550	5120	Kg
3,40	4,80	6,60	8,50	m
27560	19800	14440	11290	lbs
11' 2"	15' 9"	21' 8"	27' 11"	ft

50524 PX C



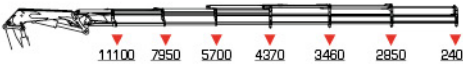
12000	8620	6260	4860	3920	Kg
3,50	4,90	6,70	8,60	10,65	m
26450	19000	13800	10710	8640	lbs
11' 6"	16' 1"	22'	28' 3"	34' 11"	ft

50525 PX C



11550	8280	5990	4600	3690	3050	Kg
3,55	5,00	6,80	8,70	10,75	12,90	m
25460	18250	13200	10140	8130	6720	lbs
11' 8"	16' 5"	22' 4"	28' 7"	35' 3"	42' 4"	ft

50526 PX C



11100	7950	5700	4370	3460	2850	2400	Kg
3,65	5,10	6,90	8,80	10,85	13,00	15,25	m
24470	17530	12570	9630	7630	6280	5290	lbs
12'	16' 9"	22' 8"	28' 10"	35' 7"	42' 8"	50'	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	ST	ST	mm	ft	mm	ft	mm	ft
50522 PX C	46,7	337900	40/80	11/21	31,5	4570	395	4125	9095	2550	8'4"	2500	8'2"	1330	4'4"
50523 PX C	43,5	314780	40/80	11/21	31,5	4570	395	4340	9570	2550	8'4"	2500	8'2"	1330	4'4"
50524 PX C	42,2	305510	40/80	11/21	31,5	4570	395	4585	10110	2550	8'4"	2500	8'2"	1330	4'4"
50525 PX C	41,4	299450	40/80	11/21	31,5	4570	395	4805	10595	2550	8'4"	2500	8'2"	1330	4'4"
50526 PX C	40,5	293260	40/80	11/21	31,5	4570	395	5005	11035	2550	8'4"	2500	8'2"	1420	4'8"

51522 SP



11490	8170	6250	Kg
4,05	6,05	7,90	m
25330	18010	13780	lbs
13' 3"	19' 10"	25' 11"	ft

51523 SP



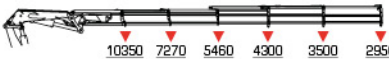
11100	7960	5970	4780	Kg
4,15	5,85	7,70	9,60	m
24470	17330	13160	10540	lbs
13' 7"	19' 2"	25' 3"	31' 6"	ft

51524 SP



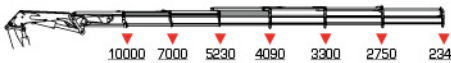
10720	7560	5700	4540	3730	Kg
4,30	6,00	7,85	9,75	11,85	m
23630	16670	12570	10010	8220	lbs
14' 1"	19' 8"	25' 9"	32'	38' 11"	ft

51525 SP



10350	7270	5460	4300	3500	2950	Kg
4,35	6,05	7,85	9,75	11,80	14,00	m
22820	16030	12040	9480	7720	6500	lbs
14' 3"	19' 10"	25' 9"	32'	38' 9"	45' 11"	ft

51526 SP



10000	7000	5230	4090	3300	2750	2340	Kg
4,45	6,20	8,00	9,95	12,05	14,15	16,35	m
22050	15430	11530	9020	7270	6060	5160	lbs
14' 7"	20' 4"	26' 3"	32' 8"	39' 6"	46' 5"	53' 8"	ft

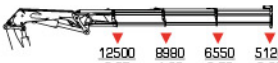
	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	kg. ST	lbs ST	mm	ft	mm	ft	mm	ft
51522 SP	49,4	357520	80/100	21/26	34,5	5000	Cont.	4365	9625	2550	8'4"	2500	8'2"	1325	4'4"
51523 SP	46,1	333190	80/100	21/26	34,5	5000	Cont.	4580	10100	2550	8'4"	2500	8'2"	1325	4'4"
51524 SP	46,1	333410	80/100	21/26	34,5	5000	Cont.	4825	10640	2550	8'4"	2500	8'2"	1325	4'4"
51525 SP	45	325650	80/100	21/26	34,5	5000	Cont.	5045	11125	2550	8'4"	2500	8'2"	1325	4'4"
51526 SP	44,5	321870	80/100	21/26	34,5	5000	Cont.	5245	11565	2550	8'4"	2500	8'2"	1415	4'8"

51522 SP C



13000	8980	6870	Kg
3,45	5,10	6,95	m
28660	19800	15140	lbs
11' 4"	16' 9"	22' 10"	ft

51523 SP C



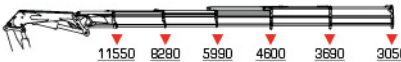
12500	8980	6550	5120	Kg
3,55	4,95	6,75	8,65	m
27560	19800	14440	11290	lbs
11' 8"	16' 3"	22' 2"	28' 5"	ft

51524 SP C



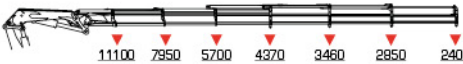
12000	8620	6260	4860	3920	Kg
3,65	5,05	6,85	8,75	10,80	m
26450	19000	13800	10710	8640	lbs
12'	16' 7"	22' 6"	28' 8"	35' 5"	ft

51525 SP C



11550	8280	5990	4600	3690	3050	Kg
3,70	5,15	6,95	8,85	10,90	13,05	m
25460	18250	13200	10140	8130	6720	lbs
12' 2"	16' 11"	22' 10"	29'	35' 9"	42' 10"	ft

51526 SP C



11100	7950	5700	4370	3460	2850	2400	Kg
3,80	5,25	7,05	8,95	11,00	13,15	15,40	m
24470	17530	12570	9630	7630	6280	5290	lbs
12' 6"	17' 3"	23' 2"	29' 4"	36' 1"	43' 2"	50' 6"	ft

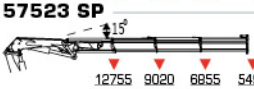
	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	ST kg.	ST lbs	mm	ft	mm	ft	mm	ft
51522 SP C	43,5	314660	80/100	21/26	34,5	5000	Cont.	4315	9515	2550	8'4"	2500	8'2"	1325	4'4"
51523 SP C	42,2	305400	80/100	21/26	34,5	5000	Cont.	4530	9990	2550	8'4"	2500	8'2"	1325	4'4"
51524 SP C	41,3	298790	80/100	21/26	34,5	5000	Cont.	4775	10530	2550	8'4"	2500	8'2"	1325	4'4"
51525 SP C	40,6	293580	80/100	21/26	34,5	5000	Cont.	4995	11015	2550	8'4"	2500	8'2"	1325	4'4"
51526 SP C	40,1	289970	80/100	21/26	34,5	5000	Cont.	5195	11455	2550	8'4"	2500	8'2"	1415	4'8"

57522 SP



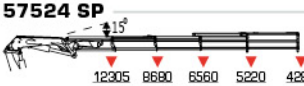
13230	9020	6885	Kg
3,90	5,90	7,75	m
29170	19880	15180	lbs
12' 10"	19' 4"	25' 5"	ft

57523 SP



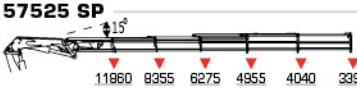
12755	9020	6855	5495	Kg
4,00	5,70	7,55	9,45	m
28120	19880	15110	12110	lbs
13' 1"	18' 8"	24' 9"	31'	ft

57524 SP



12305	8680	6560	5220	4285	Kg
4,15	5,85	7,70	9,60	11,70	m
27130	19140	14460	11510	9450	lbs
13' 7"	19' 2"	25' 3"	31' 6"	38' 5"	ft

57525 SP



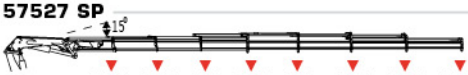
11860	8355	6275	4955	4040	3395	Kg
4,20	5,90	7,70	9,60	11,65	13,85	m
26150	18420	13830	10920	8910	7480	lbs
13' 9"	19' 4"	25' 3"	31' 6"	38' 3"	45' 5"	ft

57526 SP



11470	8045	6010	4710	3800	3165	2705	Kg
4,30	6,05	7,85	9,80	11,90	14,00	16,20	m
25290	17740	13250	10380	8380	6980	5960	lbs
14' 1"	19' 10"	25' 9"	32' 2"	39' 1"	45' 11"	53' 2"	ft

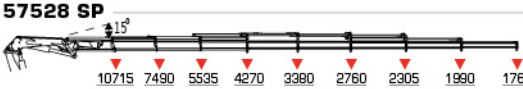
57527 SP



11090	7750	5755	4475	3580	2945	2490	2165	Kg
4,40	6,10	7,90	9,80	11,90	14,00	16,30	19,50	m
24450	17080	12690	9860	7890	6490	5490	4770	lbs
14' 5"	20'	25' 11"	32' 2"	39' 1"	45' 11"	53' 6"	60' 8"	ft

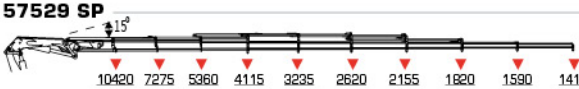
	tm	ft lbs	l/min	gals/min	Mpa	Psi	°
57522 SP	53,4	385940	80/100	21/26	33,5	4860	385°
57523 SP	51,9	375590	80/100	21/26	33,5	4860	385°
57524 SP	51,1	369360	80/100	21/26	33,5	4860	385°
57525 SP	49,8	360290	80/100	21/26	33,5	4860	385°
57526 SP	49,3	356740	80/100	21/26	33,5	4860	385°
57527 SP	48,8	352940	80/100	21/26	33,5	4860	385°
57528 SP	48,2	348760	80/100	21/26	33,5	4860	385°
57529 SP	47,9	346690	80/100	21/26	33,5	4860	385°

57528 SP



10715	7490	5535	4270	3380	2760	2305	1990	1760	Kg
4,50	6,25	8,05	10,00	12,10	14,20	16,35	18,60	20,90	m
29620	16510	12200	9410	7450	6080	5080	4390	3880	lbs
14' 9"	20' 6"	26' 5"	32' 10"	39' 8"	46' 7"	53' 8"	61'	68' 7"	ft

57529 SP



10420	7275	5360	4115	3235	2620	2155	1820	1590	1415	Kg
4,60	6,35	8,15	10,10	12,20	14,30	16,45	18,70	21,00	23,20	m
22970	16040	11820	9070	7130	5780	4750	4010	3500	3120	lbs
15' 1"	20' 10"	26' 9"	33' 2"	40'	46' 11"	54'	61' 4"	68' 11"	76' 1"	ft



kg. ST	lbs ST	mm	ft	mm	ft	mm	ft
4595	10135	2550	8' 4"	2505	8' 3"	1340	4' 5"
4840	10675	2550	8' 4"	2505	8' 3"	1340	4' 5"
5105	11255	2550	8' 4"	2505	8' 3"	1340	4' 5"
5340	11775	2550	8' 4"	2505	8' 3"	1340	4' 5"
5565	12270	2550	8' 4"	2505	8' 3"	1425	4' 8"
5765	12710	2550	8' 4"	2505	8' 3"	1460	4' 9"
5945	13110	2550	8' 4"	2505	8' 3"	1460	4' 9"
6100	13450	2550	8' 4"	2505	8' 3"	1460	4' 9"

57525 SP + J1414.20



1600	1430	1280	1160	1080	Kg
16,75	18,30	19,95	21,65	23,35	m
3530	3150	2820	2560	2380	lbs
54' 11"	60'	65' 5"	71'	76' 7"	ft

57525 SP + J1415.20



1510	1340	1190	1080	990	860	Kg
16,85	18,40	20,05	21,75	23,45	25,15	m
3330	2950	2620	2380	2180	1890	lbs
55' 3"	60' 4"	65' 9"	71' 4"	76' 11"	82' 6"	ft

57525 SP + J1416.20



Kg	1450	1280	1130	1020	930	800	700
m	16,90	18,45	20,10	21,80	23,50	25,20	26,90
lbs	3200	2820	2490	2250	2050	1760	1540
ft	55' 5"	60' 6"	65' 11"	71' 6"	77' 1"	82' 8"	88' 3"

57526 SP + J1414.20



Kg	1070	960	860	790	730
m	19,10	20,65	22,30	24,00	25,70
lbs	2360	2120	1890	1740	1610
ft	62' 8"	67' 9"	73' 2"	79' 9"	84' 4"

57526 SP + J1415.20



Kg	990	870	780	710	650	600
m	19,20	20,75	22,40	24,10	25,80	27,50
lbs	2180	1920	1720	1560	1430	1320
ft	63'	68' 1"	73' 6"	79' 1"	84' 8"	90' 3"

57526 SP + J1416.20



Kg	930	810	720	650	590	540	510
m	19,25	20,80	22,45	24,15	25,85	27,55	29,25
lbs	2050	1780	1590	1430	1300	1190	1120
ft	63' 2"	68' 3"	73' 8"	79' 3"	84' 10"	90' 5"	96'

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°
57525 SP + J1414.20	—	—	80/100	21/26	33,5	4860	385°
57525 SP + J1415.20	—	—	80/100	21/26	33,5	4860	385°
57525 SP + J1416.20	—	—	80/100	21/26	33,5	4860	385°
57526 SP + J1414.20	—	—	80/100	21/26	33,5	4860	385°
57526 SP + J1415.20	—	—	80/100	21/26	33,5	4860	385°
57526 SP + J1416.20	—	—	80/100	21/26	33,5	4860	385°
57527 SP + J813.20	—	—	80/100	21/26	33,5	4860	385°
57527 SP + J814.20	—	—	80/100	21/26	33,5	4860	385°
57527 SP + J815.20	—	—	80/100	21/26	33,5	4860	385°
57528 SP + J813.20	—	—	80/100	21/26	33,5	4860	385°
57528 SP + J814.20	—	—	80/100	21/26	33,5	4860	385°
57528 SP + J815.20	—	—	80/100	21/26	33,5	4860	385°

57527 SP + J813.20



57527 SP + J814.20



57527 SP + J815.20



57528 SP + J813.20



57528 SP + J814.20



57528 SP + J815.20



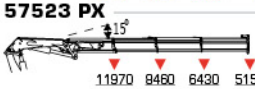
kg.	lbs						
ST	ST	mm	ft	mm	ft	mm	ft
6480	14290	2550	8' 4"	2765	9' 1"	1645	5' 5"
6550	14445	2550	8' 4"	2765	9' 1"	1645	5' 5"
6625	14610	2550	8' 4"	2765	9' 1"	1645	5' 5"
6705	14785	2550	8' 4"	2765	9' 1"	1645	5' 5"
6775	14940	2550	8' 4"	2765	9' 1"	1645	5' 5"
6850	15105	2550	8' 4"	2765	9' 1"	1645	5' 5"
6470	14265	2550	8' 4"	2725	8' 11"	1595	5' 3"
6530	14400	2550	8' 4"	2725	8' 11"	1595	5' 3"
6585	14520	2550	8' 4"	2725	8' 11"	1595	5' 3"
6635	14630	2550	8' 4"	2755	9'	1595	5' 3"
6695	14760	2550	8' 4"	2755	9'	1595	5' 3"
6750	14885	2550	8' 4"	2755	9'	1595	5' 3"

57522 PX



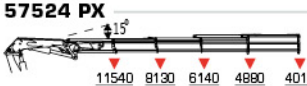
12430	9460	6490	Kg
3,90	5,90	7,75	m
27400	18650	14290	lbs
12' 10"	19' 4"	25' 5"	ft

57523 PX



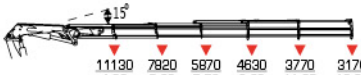
11970	9460	6430	5150	Kg
4,00	5,70	7,55	9,45	m
26390	18650	14170	11350	lbs
13' 1"	18' 8"	24' 9"	31'	ft

57524 PX



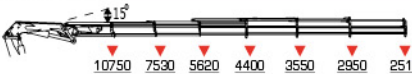
11540	9130	6140	4880	4010	Kg
4,15	5,85	7,70	9,60	11,70	m
25440	17920	13540	10760	8840	lbs
13' 7"	19' 2"	25' 3"	31' 6"	38' 5"	ft

57525 PX



11130	7920	5870	4630	3770	3170	Kg
4,20	5,90	7,70	9,60	11,65	13,85	m
24540	17240	12940	10210	8310	6990	lbs
13' 9"	19' 4"	25' 3"	31' 6"	38' 3"	45' 5"	ft

57526 PX

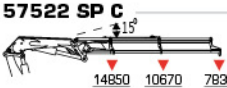


10750	7530	5620	4400	3550	2950	2515	Kg
4,30	6,05	7,85	9,80	11,90	14,00	16,20	m
23700	16600	12390	9700	7830	6500	5540	lbs
14' 1"	19' 10"	25' 9"	32' 2"	39' 1"	45' 11"	53' 2"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	ST kg.	ST lbs	mm	ft	mm	ft	mm	ft
57522 PX	50,2	363240	40/80	11/21	31,5	4570	385°	4595	10135	2550	8' 4"	2505	8' 3"	1340	4' 5"
57523 PX	48,7	352010	40/80	11/21	31,5	4570	385°	4840	10675	2550	8' 4"	2505	8' 3"	1340	4' 5"
57524 PX	47,9	346400	40/80	11/21	31,5	4570	385°	5105	11255	2550	8' 4"	2505	8' 3"	1340	4' 5"
57525 PX	46,7	338110	40/80	11/21	31,5	4570	385°	5340	11775	2550	8' 4"	2505	8' 3"	1340	4' 5"
57526 PX	46,2	334350	40/80	11/21	31,5	4570	385°	5565	12270	2550	8' 4"	2505	8' 3"	1425	4' 8"

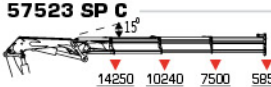


57522 SP C



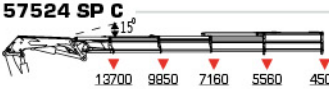
14850	10670	7930	Kg
3,25	4,70	6,50	m
32740	23520	17260	lbs
10' 8"	15' 5"	21' 4"	ft

57523 SP C



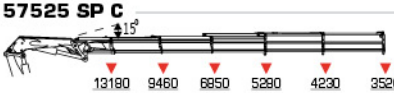
14250	10240	7500	5850	Kg
3,35	4,80	6,60	8,50	m
31410	22570	16530	12900	lbs
11'	15' 9"	21' 8"	27' 11"	ft

57524 SP C



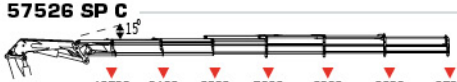
13700	9850	7160	5560	4500	Kg
3,45	4,90	6,70	8,60	10,65	m
30200	21710	15780	12260	9920	lbs
11' 4"	16' 1"	22'	28' 3"	34' 11"	ft

57525 SP C



13180	9460	6850	5290	4230	3520	Kg
3,55	5,00	6,80	9,70	10,75	12,90	m
29060	20850	15100	11640	9320	7760	lbs
11' 8"	16' 5"	22' 4"	28' 7"	35' 3"	42' 4"	ft

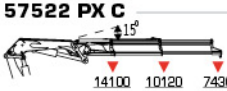
57526 SP C



12700	9100	6560	5020	3990	3290	2780	Kg
3,65	5,10	6,90	8,90	10,85	13,00	15,25	m
28000	20060	14460	11070	8800	7230	6130	lbs
12'	16' 9"	22' 8"	28' 10"	35' 7"	42' 8"	50'	ft

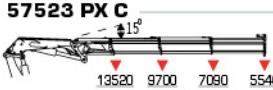
	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	ST	ST	mm	ft	mm	ft	mm	ft
57522 SP C	50,9	368120	80/100	21/26	33,5	4860	385°	4545	10025	2550	8' 4"	2505	8' 3"	1340	4' 5"
57523 SP C	49,7	359660	80/100	21/26	33,5	4860	385°	4790	10565	2550	8' 4"	2505	8' 3"	1340	4' 5"
57524 SP C	48,3	349100	80/100	21/26	33,5	4860	385°	5055	11145	2550	8' 4"	2505	8' 3"	1340	4' 5"
57525 SP C	47,3	342120	80/100	21/26	33,5	4860	385°	5290	11665	2550	8' 4"	2505	8' 3"	1340	4' 5"
57526 SP C	46,4	335680	80/100	21/26	33,5	4860	385°	5515	12160	2550	8' 4"	2505	8' 3"	1425	4' 8"

57522 PX C



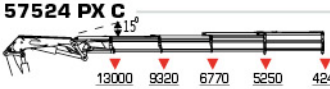
14100	10120	7430	Kg
3,25	4,70	6,50	m
31080	22310	16380	lbs
10' 8"	15' 5"	21' 4"	ft

57523 PX C



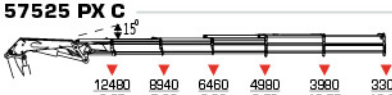
13520	9700	7090	5540	Kg
3,35	4,80	6,60	8,50	m
29810	21380	15630	12210	lbs
11'	15' 9"	21' 8"	27' 11"	ft

57524 PX C



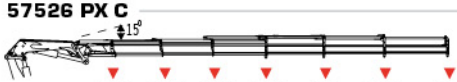
13000	9320	6770	5250	4240	Kg
3,45	4,90	6,70	8,60	10,65	m
28660	20550	14920	11570	9350	lbs
11' 4"	16' 1"	22'	28' 3"	34' 11"	ft

57525 PX C



12480	8940	6460	4980	3980	3300	Kg
3,55	5,00	6,80	8,70	10,75	12,90	m
27510	19710	14240	10980	8770	7270	lbs
11' 8"	16' 5"	22' 4"	28' 7"	35' 3"	42' 4"	ft

57526 PX C



12000	8600	6180	4720	3740	3070	2580	Kg
3,65	5,10	6,90	8,80	10,85	13,00	15,25	m
26450	18960	13620	10400	8240	6770	5690	lbs
12'	16' 9"	22' 8"	28' 10"	35' 7"	42' 8"	50'	ft



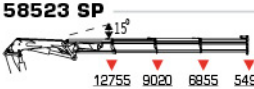
	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	kg. ST	lbs ST	mm	ft	mm	ft	mm	ft
57522 PX C	48,3	349320	40/80	11/21	31,5	4570	385°	4545	10025	2550	8' 4"	2505	8' 3"	1340	4' 5"
57523 PX C	47,1	340600	40/80	11/21	31,5	4570	385°	4790	10565	2550	8' 4"	2505	8' 3"	1340	4' 5"
57524 PX C	45,7	330320	40/80	11/21	31,5	4570	385°	5055	11145	2550	8' 4"	2505	8' 3"	1340	4' 5"
57525 PX C	44,7	323320	40/80	11/21	31,5	4570	385°	5290	11665	2550	8' 4"	2505	8' 3"	1340	4' 5"
57526 PX C	43,9	317240	40/80	11/21	31,5	4570	385°	5515	12160	2550	8' 4"	2505	8' 3"	1425	4' 8"

58522 SP



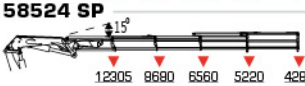
13230	9020	6885		Kg
4,05	6,05	7,90		m
29170	19880	15180		lbs
13' 3"	19' 10"	25' 11"		ft

58523 SP



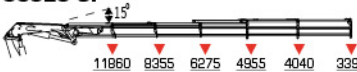
12755	9020	6855	5495	Kg
4,15	5,85	7,70	9,60	m
28120	19880	15110	12110	lbs
13' 7"	19' 2"	25' 3"	31' 6"	ft

58524 SP



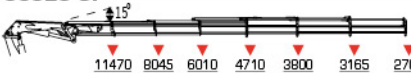
12305	8680	6560	5220	4285	Kg
4,30	6,00	7,85	9,75	11,85	m
27130	19140	14460	11510	9450	lbs
14' 1"	19' 8"	25' 9"	32'	38' 11"	ft

58525 SP



11860	8355	6275	4955	4040	3395	Kg
4,35	6,05	7,85	9,75	11,80	14,00	m
26150	18420	13830	10920	8910	7480	lbs
14' 3"	19' 10"	25' 9"	32'	38' 9"	45' 11"	ft

58526 SP



11470	8045	6010	4710	3800	3165	2705	Kg
4,45	6,20	8,00	9,95	12,05	14,15	16,35	m
25290	17740	13250	10380	8380	6980	5960	lbs
14' 7"	20' 4"	26' 3"	32' 8"	39' 6"	46' 5"	53' 8"	ft

58527 SP



11090	7750	5755	4475	3580	2945	2490	2165	Kg
4,55	6,25	8,05	9,95	12,05	14,15	16,45	18,65	m
24450	17080	12690	9860	7890	6490	5490	4770	lbs
14' 11"	20' 6"	26' 5"	32' 8"	39' 6"	46' 5"	54'	61' 2"	ft

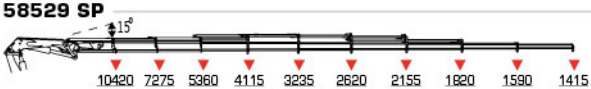
	tm	ft lbs	l/min	gals/min	Mpa	Psi	
58522 SP	54,6	394710	80/100	21/26	33,5	4860	Cont.
58523 SP	52,9	382870	80/100	21/26	33,5	4860	Cont.
58524 SP	52,9	382710	80/100	21/26	33,5	4860	Cont.
58525 SP	51,6	373160	80/100	21/26	33,5	4860	Cont.
58526 SP	51	369180	80/100	21/26	33,5	4860	Cont.
58527 SP	50,5	364970	80/100	21/26	33,5	4860	Cont.
58528 SP	49,8	360380	80/100	21/26	33,5	4860	Cont.
58529 SP	49,5	358000	80/100	21/26	33,5	4860	Cont.

58528 SP



10715	7490	5535	4270	3380	2760	2305	1990	1760	Kg
4,65	6,40	8,20	10,15	12,25	14,35	16,50	18,75	21,05	m
23620	16510	12200	9410	7450	6080	5080	4390	3880	lbs
15' 3"	21'	26' 11"	33' 4"	40' 2"	47' 1"	54' 2"	61' 6"	69' 1"	ft

58529 SP

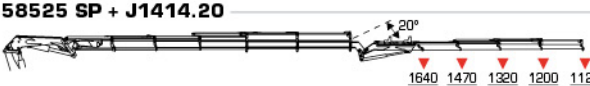


10420	7275	5360	4115	3235	2620	2155	1820	1590	1415	Kg
4,75	6,50	8,30	10,25	12,35	14,45	16,60	18,85	21,15	23,35	m
22970	16040	11820	9070	7130	5780	4750	4010	3500	3120	lbs
15' 7"	21' 4"	27' 3"	33' 8"	40' 6"	47' 5"	54' 6"	61' 10"	69' 5"	76' 7"	ft



	kg. ST	lbs ST	mm	ft	mm	ft	mm	ft
	4730	10430	2550	8' 4"	2500	8' 2"	1340	4' 5"
	4975	10970	2550	8' 4"	2500	8' 2"	1340	4' 5"
	5245	11565	2550	8' 4"	2500	8' 2"	1340	4' 5"
	5480	12085	2550	8' 4"	2500	8' 2"	1340	4' 5"
	5700	12570	2550	8' 4"	2500	8' 2"	1425	4' 8"
	5900	13010	2550	8' 4"	2500	8' 2"	1460	4' 9"
	6080	13405	2550	8' 4"	2500	8' 2"	1460	4' 9"
	6235	13750	2550	8' 4"	2500	8' 2"	1460	4' 9"

58525 SP + J1414.20



1640	1470	1320	1200	1120	Kg
16,90	18,45	20,10	21,80	23,50	m
3610	3240	2910	2640	2470	lbs
55' 5"	60' 6"	65' 11"	71' 6"	77' 1"	ft

58525 SP + J1415.20



1560	1390	1240	1120	1030	900	Kg
16,90	18,55	20,20	21,90	23,60	25,30	m
3440	3060	2730	2470	2270	1980	lbs
55' 5"	60' 10"	66' 3"	71' 10"	77' 5"	83'	ft

58525 SP + J1416.20



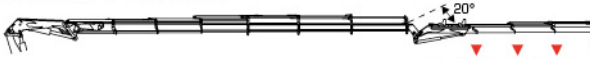
Kg	1500	1330	1180	1060	970	810	710
m	17,05	18,60	20,25	21,95	23,65	25,35	27,05
lbs	3310	2930	2600	2340	2140	1780	1560
ft	55' 11"	61'	66' 5"	72'	77' 7"	83' 2"	88' 9"

58526 SP + J1414.20



1120	1000	900	830	770	Kg
19,25	20,80	22,45	24,15	25,85	m
2470	2200	1980	1830	1700	lbs
63' 2"	68' 3"	73' 8"	79' 3"	84' 10"	ft

58526 SP + J1415.20



Kg	1030	910	820	740	680	630
m	19,35	20,90	22,50	24,25	25,95	27,65
lbs	2270	2010	1810	1630	1500	1390
ft	63' 6"	68' 7"	73' 10"	79' 7"	85' 2"	90' 9"

58526 SP + J1416.20



Kg	980	860	760	680	620	580	540
m	19,40	20,95	22,60	24,30	26,00	27,70	29,40
lbs	2160	1890	1670	1500	1370	1280	1190
ft	63' 8"	68' 9"	74' 2"	79' 9"	85' 4"	90' 11"	96' 5"

	tm	ft lbs	l/min	gals/min	Mpa	Psi	
58525 SP + J1414.20	—	—	80/100	21/26	33,5	4860	Cont.
58525 SP + J1415.20	—	—	80/100	21/26	33,5	4860	Cont.
58525 SP + J1416.20	—	—	80/100	21/26	33,5	4860	Cont.
58526 SP + J1414.20	—	—	80/100	21/26	33,5	4860	Cont.
58526 SP + J1415.20	—	—	80/100	21/26	33,5	4860	Cont.
58526 SP + J1416.20	—	—	80/100	21/26	33,5	4860	Cont.
58527 SP + J813.20	—	—	80/100	21/26	33,5	4860	Cont.
58527 SP + J814.20	—	—	80/100	21/26	33,5	4860	Cont.
58527 SP + J815.20	—	—	80/100	21/26	33,5	4860	Cont.
58528 SP + J813.20	—	—	80/100	21/26	33,5	4860	Cont.
58528 SP + J814.20	—	—	80/100	21/26	33,5	4860	Cont.
58528 SP + J815.20	—	—	80/100	21/26	33,5	4860	Cont.

58527 SP + J813.20



58527 SP + J814.20



58527 SP + J815.20



58528 SP + J813.20



58528 SP + J814.20

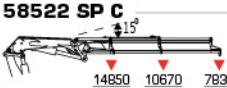


58528 SP + J815.20



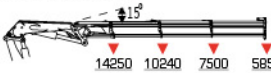
kg. ST	lbs ST	mm	ft	mm	ft	mm	ft
6620	14595	2550	8' 4"	2765	9' 1"	1645	5' 5"
6690	14750	2550	8' 4"	2765	9' 1"	1645	5' 5"
6765	14915	2550	8' 4"	2765	9' 1"	1645	5' 5"
6840	15080	2550	8' 4"	2765	9' 1"	1645	5' 5"
6910	15235	2550	8' 4"	2765	9' 1"	1645	5' 5"
6985	15400	2550	8' 4"	2765	9' 1"	1645	5' 5"
6605	14565	2550	8' 4"	2725	8' 11"	1595	5' 3"
6665	14695	2550	8' 4"	2725	8' 11"	1595	5' 3"
6720	14820	2550	8' 4"	2725	8' 11"	1595	5' 3"
6770	14930	2550	8' 4"	2755	9'	1595	5' 3"
6830	15060	2550	8' 4"	2755	9'	1595	5' 3"
6885	15180	2550	8' 4"	2755	9'	1595	5' 3"

58522 SP C



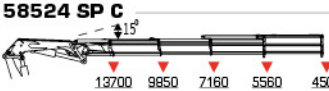
14850	10670	7830	Kg
3,40	4,85	6,65	m
32740	23520	17260	lbs
11' 2"	15' 11"	21' 10"	ft

58523 SP C



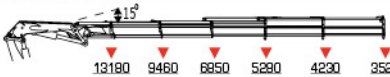
14250	10240	7500	5850	Kg
3,50	4,95	6,75	8,65	m
31410	22570	16530	12900	lbs
11' 6"	16' 3"	22' 2"	28' 5"	ft

58524 SP C



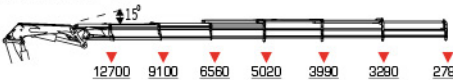
13700	9850	7160	5560	4500	Kg
3,60	5,05	6,85	8,75	10,80	m
30200	21710	15780	12260	9920	lbs
11' 10"	16' 7"	22' 6"	28' 8"	35' 5"	ft

58525 SP C



13180	9460	6850	5280	4230	3520	Kg
3,70	5,15	6,95	8,85	10,90	13,05	m
29060	20850	15100	11640	9320	7760	lbs
12' 2"	16' 11"	22' 10"	29'	35' 9"	42' 10"	ft

58526 SP C

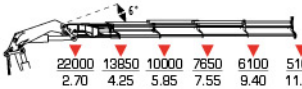


12700	9100	6560	5020	3990	3280	2790	Kg
3,80	5,25	7,05	8,95	11,00	13,15	15,40	m
28000	20060	14460	11070	9800	7230	6130	lbs
12' 6"	17' 3"	23' 2"	29' 4"	36' 1"	43' 2"	50' 6"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi		kg	lbs	mm	ft	mm	ft	mm	ft
								ST	ST						
58522 SP C	52,1	376620	80/100	21/26	33,5	4860	Cont.	4680	10320	2550	8'4"	2500	8'2"	1340	4'5"
58523 SP C	50,7	366630	80/100	21/26	33,5	4860	Cont.	4925	10860	2550	8'4"	2500	8'2"	1340	4'5"
58524 SP C	49,7	359790	80/100	21/26	33,5	4860	Cont.	5195	11455	2550	8'4"	2500	8'2"	1340	4'5"
58525 SP C	48,8	352730	80/100	21/26	33,5	4860	Cont.	5430	11975	2550	8'4"	2500	8'2"	1340	4'5"
58526 SP C	48,3	349070	80/100	21/26	33,5	4860	Cont.	5650	12460	2550	8'4"	2500	8'2"	1425	4'8"

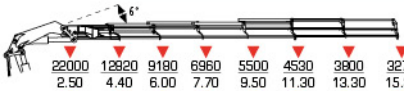


65024 SP



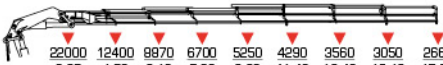
22000	13850	10000	7650	6100	5100	Kg
2.70	4.25	5.85	7.55	9.40	11.20	m
48500	30530	22050	16860	13450	11240	lbs
8' 10"	13' 11"	19' 2"	24' 9"	30' 10"	36' 9"	ft

65026 SP



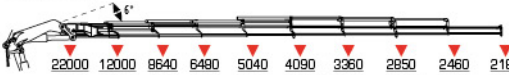
22000	12820	9180	6960	5500	4530	3800	3270	Kg
2.50	4.40	6.00	7.70	9.50	11.30	13.30	15.30	m
48500	28260	20240	15340	12120	9990	8380	7210	lbs
8' 10"	14' 5"	19' 8"	25' 3"	31' 2"	37' 1"	43' 8"	50' 2"	ft

65027 SP



22000	12400	9870	6700	5250	4290	3560	3050	2660	Kg
2.35	4.50	6.10	7.80	9.60	11.40	13.40	15.40	17.50	m
48500	27340	19550	14770	11570	9460	7850	6720	5860	lbs
7' 9"	14' 9"	20'	25' 7"	31' 7"	37' 5"	44'	50' 6"	57' 5"	ft

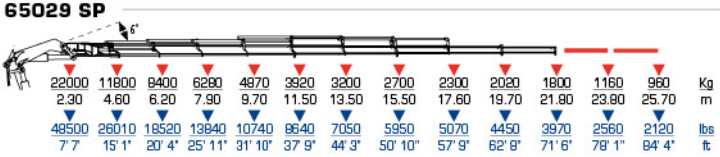
65028 SP



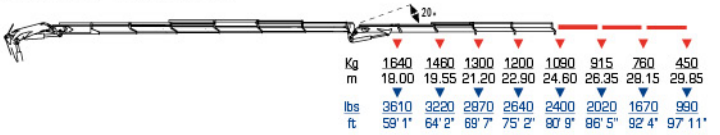
22000	12000	9640	6490	5040	4090	3360	2850	2460	2180	Kg
2.35	4.50	6.10	7.80	9.60	11.40	13.40	15.40	17.50	19.60	m
48500	26450	19050	14280	11110	9020	7410	6280	5420	4810	lbs
7' 9"	14' 9"	20'	25' 7"	31' 6"	37' 5"	44'	50' 6"	57' 5"	64' 4"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi
65024 SP	59,4	429640	80/100	21/26	31,5	4570
65026 SP	56,4	408000	80/100	21/26	31,5	4570
65027 SP	55,8	403600	80/100	21/26	31,5	4570
65028 SP	54,7	395470	80/100	21/26	31,5	4570
65029 SP	54,3	392610	80/100	21/26	31,5	4570
65026 SP + J1414.20	-	-	80/100	21/26	31,5	4570
65026 SP + J1415.20	-	-	80/100	21/26	31,5	4570
65026 SP + J1416.20	-	-	80/100	21/26	31,5	4570

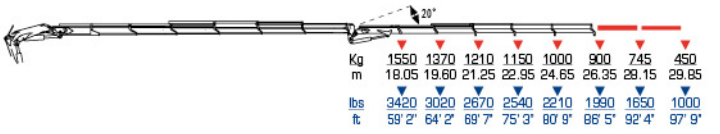
65029 SP



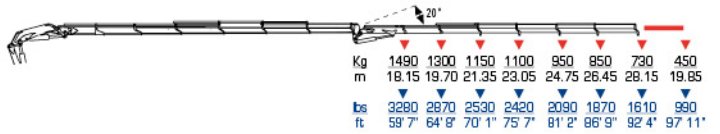
65026 SP + J1414.20



65026 SP + J1415.20



65026 SP + J1416.20



		ST	ST	mm	ft	mm	ft	mm	ft
	CONTINUO CONTINUOS CONTINU ENDLOS CONTINUO	5965	13151	2550	8'4"	2470	8'1"	1535	5'0"
		6450	14220	2550	8'4"	2470	8'1"	1535	5'0"
		6665	14694	2550	8'4"	2470	8'1"	1645	5'5"
		6870	15146	2550	8'4"	2470	8'1"	1645	5'5"
		7065	15576	2550	8'4"	2470	8'1"	1645	5'5"
		7605	16766	2550	8'35"	2615	8'7"	1755	5'9"
		7670	16909	2550	8'35"	2615	8'7"	1755	5'9"
		7750	17086	2550	8'35"	2615	8'7"	1755	5'9"

65027 SP + J1214.20



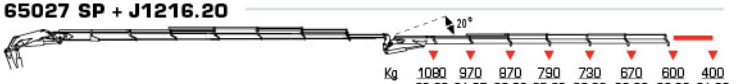
Kg	1220	1110	1000	930	860	745	630	400
m	20.15	21.70	23.35	25.05	26.75	28.50	30.30	31.90
lbs	2690	2450	2200	2050	1890	1640	1390	880
ft	66' 1"	71' 2"	76' 7"	82' 2"	87' 9"	93' 6"	99' 5"	104' 8"

65027 SP + J1215.20



Kg	1130	1020	920	840	780	730	615	400
m	20.20	21.75	23.40	25.10	26.80	28.50	30.30	31.90
lbs	2690	2250	2030	1850	1720	1610	1350	880
ft	66' 3"	71' 4"	76' 9"	82' 4"	87' 11"	93' 6"	99' 5"	104' 8"

65027 SP + J1216.20



Kg	1080	970	870	790	730	670	600	400
m	20.30	21.85	23.50	25.20	26.90	28.60	30.30	31.90
lbs	2390	2140	1920	1740	1610	1480	1320	880
ft	66' 7"	71' 8"	77' 1"	82' 8"	88' 3"	93' 10"	99' 5"	104' 7"

65028 SP + J814.20



Kg	1000	910	830	770	650	510	350
m	22,4	24	25,7	27,4	29,2	31,05	32,7
lbs	2200	2010	1830	1700	1430	1120	770
ft	73' 6"	78' 9"	84' 4"	89' 11"	95' 10"	101' 10"	107' 3"

65028 SP + J815.20



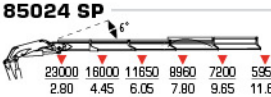
Kg	935	845	770	710	590	490	350
m	22,5	24,15	25,85	27,55	29,3	31,05	32,7
lbs	2060	1860	1700	1560	1300	1080	770
ft	73' 10"	79' 3"	84' 10"	90' 5"	96' 2"	101' 10"	107' 3"

	tm	ft lbs	l/min	gals/min	Mpa	Psi
65027 SP + J1214.20	-	-	80/100	21/26	31,5	4570
65027 SP + J1215.20	-	-	80/100	21/26	31,5	4570
65027 SP + J1216.20	-	-	80/100	21/26	31,5	4570
65028 SP + J814.20	-	-	80/100	21/26	31,5	4570
65028 SP + J815.20	-	-	80/100	21/26	31,5	4570



		ST	ST	mm	ft	mm	ft	mm	ft
	CONTINUO	7795	17185	2550	8'35"	2670	8'9"	1840	6'
	CONTINUOS	7860	17328	2550	8'35"	2670	8'9"	1840	6'
	CONTINU	7945	17516	2550	8'35"	2670	8'9"	1840	6'
	ENDLOS	7710	16998	2550	8'4"	2790	9'2"	1875	6'2"
	CONTINUO	7765	17119	2550	8'4"	2790	9'2"	1875	6'2"

85024 SP



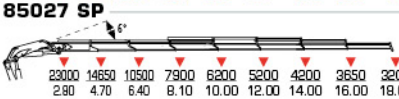
23000	16000	11650	8960	7200	5950	Kg
2.80	4.45	6.05	7.80	9.65	11.65	m
50710	35270	25680	19750	15870	13120	lbs
9' 2"	14' 7"	19' 10"	25' 7"	31' 8"	38' 3"	ft

85026 SP



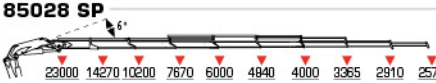
23000	15000	10750	8180	6450	5300	4450	3800	Kg
2.80	4.55	6.20	7.95	9.80	11.75	13.80	16.00	m
50710	33070	23700	18030	14220	11680	9810	8390	lbs
9' 2"	14' 11"	20' 4"	26' 1"	32' 2"	38' 7"	45' 3"	52' 6"	ft

85027 SP



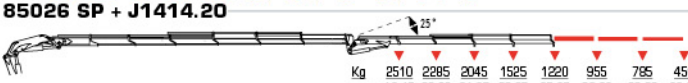
23000	14650	10500	7900	6200	5200	4200	3650	3200	Kg
2.80	4.70	6.40	8.10	10.00	12.00	14.00	16.00	18.00	m
50710	32300	23150	17420	13670	11460	9260	8050	7050	lbs
9' 2"	15' 5"	21'	26' 7"	32' 10"	39' 4"	45' 11"	52' 6"	59' 1"	ft

85028 SP



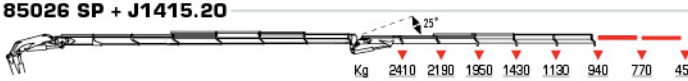
23000	14270	10200	7670	6000	4840	4000	3365	2910	2570	Kg
2.80	4.70	6.40	8.10	10.00	11.90	14.00	16.15	18.40	20.65	m
50710	31460	22490	16910	13230	10670	9820	7420	6410	5660	lbs
9' 2"	15' 5"	21'	26' 7"	32' 10"	39' 1"	45' 11"	53'	60' 4"	67' 9"	ft

85026 SP + J1414.20



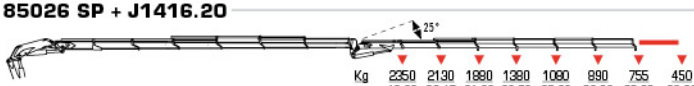
Kg	2510	2285	2045	1525	1220	955	785	450
m	18.45	20.00	21.65	23.35	25.05	26.80	28.60	30.30
lbs	5530	5040	4510	3360	2690	2100	1730	990
ft	60' 6"	65' 7"	71' 0"	76' 7"	82' 2"	87' 11"	93' 10"	99' 5"

85026 SP + J1415.20



Kg	2410	2190	1950	1430	1130	940	770	450
m	18.50	20.05	21.70	23.40	25.10	26.80	28.60	30.30
lbs	5310	4830	4300	3150	2490	2070	1700	990
ft	60' 8"	65' 9"	71' 2"	76' 9"	82' 4"	87' 11"	93' 10"	99' 5"

85026 SP + J1416.20



Kg	2350	2130	1880	1380	1080	890	755	450
m	18.60	20.15	21.80	23.50	25.20	26.90	28.60	30.30
lbs	5180	4690	4140	3040	2380	1960	1660	990
ft	61' 0"	66' 1"	71' 6"	77' 1"	82' 8"	88' 3"	93' 10"	99' 5"

	tm	ft lbs	l/min	gals/min	Mpa	Psi
85024 SP	71,2	514990	80/100	21/26	30,5	4420
85026 SP	68,3	493650	80/100	21/26	30,5	4420
85027 SP	68,9	498030	80/100	21/26	30,5	4420
85028 SP	71,1	485110	80/100	21/26	30,5	4420
85026 SP + J1414.20	-	-	80/100	21/26	30,5	4420
85026 SP + J1415.20	-	-	80/100	21/26	30,5	4420
85026 SP + J1416.20	-	-	80/100	21/26	30,5	4420
85027 SP + J1414.20	-	-	80/100	21/26	30,5	4420
85027 SP + J1415.20	-	-	80/100	21/26	30,5	4420
85027 SP + J1416.20	-	-	80/100	21/26	30,5	4420

85027 SP + J1414.20



85027 SP + J1415.20



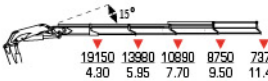
85027 SP + J1416.20





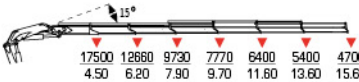
		kg ST	lbs ST	mm	ft	mm	ft	mm	ft
	CONTINUO CONTINUOS CONTINU ENDLOS CONTINUO	7160	15790	2500	8'2"	2500	8'2"	1635	5'4"
		7725	17035	2500	8'2"	2500	8'2"	1635	5'4"
		7965	17560	2500	8'2"	2500	8'2"	1750	5'9"
		8190	18060	2500	8'2"	2525	8'3"	1735	5'8"
		8880	19580	2550	8'4"	2775	9'1"	1815	5'11"
		8945	19725	2550	8'4"	2775	9'1"	1815	5'11"
		9020	19890	2550	8'4"	2775	9'1"	1815	5'11"
		9055	19965	2550	8'4"	2795	9'2"	1905	5'3"
		9125	20120	2550	8'4"	2795	9'2"	1905	5'3"
		9260	20285	2550	8'4"	2795	9'2"	1905	5'3"

100024 SP



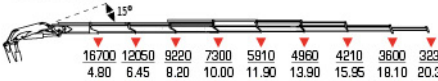
19150	13980	10890	8750	7370	Kg
4.30	5.95	7.70	9.50	11.40	m
42220	30820	24010	19290	16250	lbs
14' 1"	19' 6"	25' 3"	31' 2"	37' 5"	ft

100026 SP



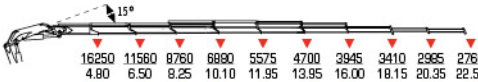
17500	12660	9730	7770	6400	5400	4700	Kg
4.50	6.20	7.90	9.70	11.60	13.60	15.65	m
38820	26560	20330	16090	13090	10930	9290	lbs
15' 9"	21' 2"	26' 11"	32' 10"	39' 1"	45' 7"	52' 4"	ft

100028 SP



16700	12050	9220	7300	5910	4960	4210	3600	3230	Kg
4.80	6.45	8.20	10.00	11.90	13.90	15.95	18.10	20.35	m
36820	26560	20330	16090	13090	10930	9280	7940	7120	lbs
15' 9"	21' 2"	26' 11"	32' 10"	39' 1"	45' 7"	52' 4"	59' 5"	66' 9"	ft

100029 SP



16250	11580	8760	6890	5575	4700	3945	3410	2985	2760	Kg
4.80	6.50	8.25	10.10	11.95	13.95	16.00	18.15	20.35	22.50	m
35820	25490	19310	15170	12290	10370	8700	7520	6580	6080	lbs
15' 9"	21' 4"	27' 1"	33' 2"	39' 2"	45' 9"	52' 6"	59' 7"	66' 9"	73' 10"	ft

100028 SP + J1614.25



Kg	1665	1520	1400	1300	1215
m	23.05	24.65	26.35	28.10	29.80
lbs	3670	3350	3090	2870	2680
ft	75' 7"	80' 10"	86' 5"	92' 2"	97' 9"

100028 SP + J1616.25



Kg	1490	1300	1175	1075	1000	870	740
m	23.20	24.85	26.50	28.30	29.90	31.65	33.45
lbs	3150	2870	2590	2370	2200	1920	1630
ft	76' 1"	81' 6"	86' 11"	92' 10"	98' 1"	103' 10"	109' 9"

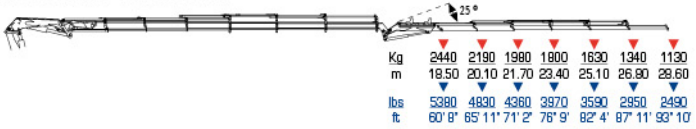
100026 SP + J2414.25



Kg	2675	2425	2215	2035	1960
m	18.35	19.90	21.55	23.20	25.00
lbs	5900	5350	4880	4490	4100
ft	60' 2"	65' 3"	70' 8"	76' 1"	82' 0"

	tm	ft lbs	l/min	gals/min	Mpa	Psi
100024 SP	84	607570	90/100	24/26	35	5080
100026 SP	80	578640	90/100	24/26	35	5080
100028 SP	79,7	576470	90/100	24/26	35	5080
100029 SP	77,5	560560	90/100	24/26	35	5080
100026 SP + J2414.25	-	-	90/100	24/26	35	5080
100026 SP + J2416.25	-	-	90/100	24/26	35	5080
100028 SP + J1614.25	-	-	90/100	24/26	35	5080
100028 SP + J1616.25	-	-	90/100	24/26	35	5080

100026 SP + J2416.25



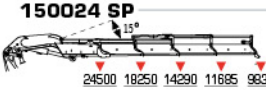
100027 SP + J2416.25





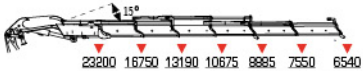
		kg. ST	lbs ST	mm	ft	mm	ft	mm	ft
	CONTINUO CONTINUOS CONTINU ENDLOS CONTINUO	7615	16790	2550	8'4"	2495	8'2"	1795	5'11"
		8300	18300	2550	8'4"	2495	8'2"	1795	5'11"
		8900	19625	2550	8'4"	2495	8'2"	1795	5'11"
		9180	20240	2550	8'4"	2495	8'2"	1795	5'11"
		9930	21895	2550	8'4"	2700	8'10"	1875	6'2"
		10190	22470	2550	8'4"	2700	8'10"	1875	6'2"
		10120	22315	2550	8'4"	2700	8'10"	1875	6'2"
		10340	22800	2550	8'4"	2700	8'10"	1875	6'2"

150024 SP



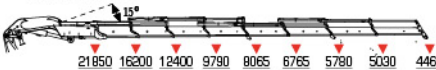
24500	18250	14290	11685	9830	Kg
4.30	5.85	7.50	9.20	10.95	m
54010	40230	31500	25760	21670	lbs
14' 1"	19' 2"	24' 7"	30' 2"	37' 11"	ft

150026 SP



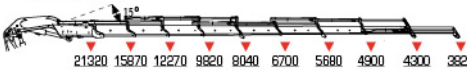
23200	16750	13190	10675	8885	7550	6540	Kg
4.50	6.10	7.70	9.40	11.20	13.10	15.10	m
51150	36930	29080	23530	19590	16640	14420	lbs
14' 9"	20' 0"	25' 3"	30' 10"	36' 9"	43' 0"	49' 6"	ft

150028 SP



21850	16200	12400	9790	8065	6765	5780	5030	4460	Kg
4.75	6.30	8.00	9.65	11.45	13.30	15.30	17.50	19.60	m
48170	35710	27340	21580	17780	14910	12740	11090	9830	lbs
15' 7"	20' 8"	26' 3"	31' 8"	37' 7"	43' 8"	50' 2"	57' 5"	64' 4"	ft

150029 SP



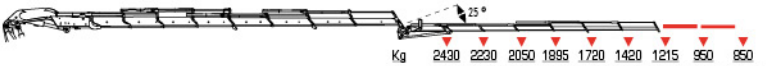
21320	15870	12270	9820	8040	6700	5680	4900	4300	3825	Kg
4.85	6.40	8.10	9.75	11.55	13.45	15.45	17.65	19.75	21.90	m
47000	34990	27050	21650	17720	14770	12520	10800	9480	9430	lbs
15' 11"	21' 0"	26' 7"	32' 0"	37' 11"	44' 2"	50' 8"	57' 11"	64' 10"	71' 10"	ft

150028 SP + J2414.25



Kg	2600	2400	2220	2060	1890
m	22.30	24.00	25.75	27.35	29.00
lbs	5730	5290	4890	4540	4170
ft	73' 2"	78' 9"	84' 6"	89' 9"	95' 2"

150028 SP + J2416.25



Kg	2430	2230	2050	1895	1720	1420	1215	950	950
m	22.45	24.20	25.90	27.55	29.20	30.85	32.40	34.25	35.95
lbs	5360	4920	4520	4180	3790	3130	2680	2090	1870
ft	73' 9"	79' 5"	85'	90' 5"	95' 10"	101' 3"	106' 4"	112' 4"	107' 11"

	tm	ft lbs	l/min	gals/min	Mpa	Psi
150024 SP	107,6	778550	2X100	2X26	35	5080
150026 SP	104,4	755130	2X100	2X26	35	5080
150028 SP	103,8	750700	2X100	2X26	35	5080
150029 SP	99,8	721950	2X100	2X26	35	5080
150028 SP + J2414.25	-	-	2X100	2X26	35	5080
150028 SP + J2416.25	-	-	2X100	2X26	35	5080
150029 SP + J2014.25	-	-	2X100	2X26	35	5080
150029 SP + J2016.25	-	-	2X100	2X26	35	5080
150029 SP + J2416.25	-	-	2X100	2X26	35	5080

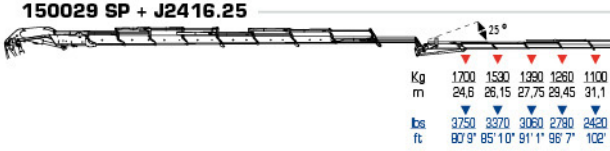
150029 SP + J2014.25



150029 SP + J2016.25



150029 SP + J2416.25





	kg. ST	lbs ST	mm	ft	mm	ft	mm	ft
CONTINUO CONTINUOS CONTINU ENDLOS CONTINUO	11150	24585	2550	8'4"	2630	8'8"	2650	8'8"
	11905	26250	2550	8'4"	2630	8'8"	2650	8'8"
	12640	27870	2550	8'4"	2630	8'8"	2650	8'8"
	12950	28550	2550	8'4"	2630	8'8"	2700	8'10"
	14230	31375	2550	8'4"	2895	9'6"	2895	9'6"
	14490	31945	2550	8'4"	2870	9'5"	2870	9'5"
	14300	31530	2550	8'4"	2870	9'5"	2700	8'10"
	14520	14520	2550	8'4"	2870	9'5"	2935	9'8"
	14520	14520	2550	8'4"	2890	9'6"	2945	9'8"

210022 SP



Kg	21840	16290	13010
m	6.85	9.20	11.55
lbs	48150	35890	28680
ft	22' 6"	30' 2"	37' 11"

210024 SP



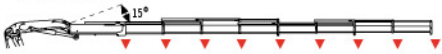
Kg	20040	14760	11630	9600	8200
m	7.10	9.45	11.80	14.15	16.50
lbs	44180	32540	25640	21160	18080
ft	23' 4"	31'	38' 9"	46' 5"	54' 2"

210026 SP



Kg	19810	13700	10630	9620	7250	6260	5540
m	7.35	9.70	12.05	14.40	16.75	19.10	21.45
lbs	41470	30200	23430	19000	15980	13800	12210
ft	24' 1"	31' 10"	39' 6"	47' 3"	54' 11"	62' 8"	70' 4"

210028 SP



Kg	17650	12750	9750	7800	6450	5490	4760	4230	3830
m	7.60	9.95	12.30	14.65	17.00	19.35	21.70	24.05	26.40
lbs	38910	28110	21490	17200	14220	12080	10490	9320	8440
ft	24' 11"	32' 8"	40' 4"	48' 1"	55' 9"	63' 6"	71' 2"	78' 11"	86' 7"

210026 SP + J3114.25



Kg	3280	2900	2170	1650	1360
m	25.55	28.20	30.80	33.25	35.50
lbs	7230	6390	4780	3640	3000
ft	83' 10"	92' 6"	101' 1"	109' 1"	116' 6"

210026 SP + J3116.25



Kg	3060	2690	1975	1460	1175	995	875
m	25.80	28.45	31.05	33.50	35.75	37.85	39.95
lbs	6750	5930	4350	3220	2590	2190	1930
ft	84' 8"	93' 4"	101' 10"	109' 11"	117' 3"	124' 2"	131' 1"

210028 SP + J3114.25



Kg	1420	1240	1100	1030	980
m	30.90	33.55	36.15	38.60	40.85
lbs	3130	2730	2420	2270	2160
ft	101' 5"	110' 1"	118' 7"	126' 8"	134'

	tm	ft lbs	l/min	gals/min	Mpa	Psi
210022 SP	150,3	1086870	2X100	2X26	38,5	5580
210024 SP	142,3	1029140	2X100	2X26	38,5	5580
210026 SP	138,3	999990	2X100	2X26	38,5	5580
210028 SP	134,1	970240	2X100	2X26	38,5	5580
210026 SP + J3114.25	-	-	2X100	2X26	38,5	5580
210026 SP + J3116.25	-	-	2X100	2X26	38,5	5580
210028 SP + J3114.25	-	-	2X100	2X26	38,5	5580
210028 SP + J3116.25	-	-	2X100	2X26	38,5	5580

210028 SP + J3116.25



Kg	1200	1020	890	810	760	690	630
m	31.10	33.75	36.35	38.80	41.05	43.15	45.25
lbs	2640	2250	1960	1780	1670	1520	1390
ft	102'	110' 9"	119' 3"	127' 4"	134' 8"	141' 7"	148' 5"



	kg. ST	lbs ST	mm	ft	mm	ft	mm	ft
CONTINUO	9100	20085	2550	8'4"	2840	9'4"	6720	22'05"
CONTINUOS	10270	22645	2550	8'4"	2840	9'4"	6720	22'05"
CONTINU	11240	24780	2550	8'4"	2840	9'4"	6720	22'05"
ENDLOS	12065	26600	2550	8'4"	2840	9'4"	6720	22'05"
CONTINUO	13290	29300	2550	8'4"	2840	9'4"	6720	22'05"
	13540	29855	2550	8'4"	2840	9'4"	6720	22'05"
	14095	31075	2550	8'4"	2840	9'4"	6720	22'05"
	14345	31630	2550	8'4"	2840	9'4"	6720	22'05"

12 Lift away — CLASSIC

12012 LA



5170	2860	1870	Kg
1.90	3.70	5.60	m
11400	6310	4125	lbs
6' 3"	12' 2"	18' 4"	ft

12013 LA

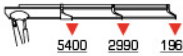


4950	2640	1705	1265	700	500	400	Kg
2.00	3.80	5.70	7.60	9.40	11.30	13.20	m
10915	5825	3760	2790	1545	1105	885	lbs
6' 7"	12' 6"	18' 8"	24' 11"	30' 10"	37' 1"	43' 4"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	kg ST	lbs ST	mm	ft	mm	ft	mm	ft
12012 LA	10,6	76540	30/40	8,11	26	3770	200	1120	2470	2420	7' 11"	2520	8' 3"	720	2'4"
12013 LA	10	72560	30/40	8,11	26	3770	200	1230	2715	2420	7' 11"	2520	8' 3"	720	2'4"

14 P Lift away — CLASSIC

14012 P LA



5400	2990	1960	Kg
1.90	3.70	5.60	m
11900	6590	4320	lbs
6' 3"	12' 2"	18' 4"	ft

14013 P LA



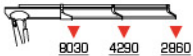
5175	2760	1790	1325	700	500	400	Kg
2.00	3.80	5.70	7.60	9.40	11.30	13.20	m
11410	6085	3950	2920	1540	1100	880	lbs
6' 7"	12' 6"	18' 8"	24' 11"	30' 10"	37' 1"	43' 4"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	kg ST	lbs ST	mm	ft	mm	ft	mm	ft
14012 P LA	11	80020	30/40	8,11	28	3920	200	1120	2470	2420	7' 11"	2520	8' 3"	720	2'4"
14013 P LA	10,5	75960	30/40	8,11	28	3920	200	1230	2715	2420	7' 11"	2520	8' 3"	720	2'4"



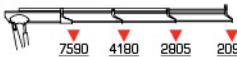


17012 LA



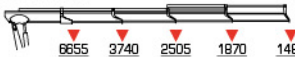
9030	4290	2860	Kg
1.95	3.65	5.45	m
17700	9460	6300	lbs
6' 5"	12'	17' 11"	ft

17013 LA



7590	4190	2805	2090	Kg
2.05	3.75	5.55	7.35	m
16730	9210	6190	4610	lbs
6' 9"	12' 4"	18' 3"	24' 1"	ft

17014 LA



8655	3740	2505	1870	1485	Kg
2.15	3.85	5.65	7.45	9.35	m
14670	8240	5520	4120	3270	lbs
7' 1"	12' 8"	18' 6"	24' 5"	30' 8"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	ST kg.	ST lbs	mm	ft	mm	ft	mm	ft
17012 LA	15,7	113260	30/75	11/20	26	3770	400	1690	3730	2450	8' 0"	2500	8' 2"	800	2'7"
17013 LA	15,7	113380	30/75	11/20	26	3770	400	1800	3970	2450	8' 0"	2500	8' 2"	800	2'7"
17014 LA	14,4	104150	30/75	11/20	26	3770	400	1920	4235	2450	8' 0"	2500	8' 2"	800	2'7"

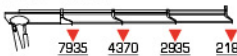


19012 P LA



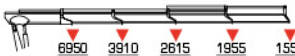
9030	4485	2990	Kg
1.95	3.65	5.45	m
18510	9890	6590	lbs
6' 5"	12'	17' 11"	ft

19013 P LA



7935	4370	2935	2185	Kg
2.05	3.75	5.55	7.35	m
17495	9635	6475	4820	lbs
6' 9"	12' 4"	18' 3"	24' 1"	ft

19014 P LA



6950	3910	2615	1955	1555	Kg
2.15	3.85	5.65	7.45	9.35	m
15320	8620	5760	4310	3430	lbs
7' 1"	12' 8"	18' 6"	24' 5"	30' 8"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	ST kg.	ST lbs	mm	ft	mm	ft	mm	ft
19012 P LA	16,4	118410	40/75	11/20	27	3920	400	1690	3730	2450	8' 0"	2500	8' 2"	800	2'7"
19013 P LA	16,4	118530	40/75	11/20	27	3920	400	1800	3970	2450	8' 0"	2500	8' 2"	800	2'7"
19014 P LA	15	108880	40/75	11/20	27	3920	400	1920	4235	2450	8' 0"	2500	8' 2"	800	2'7"

PL 56' S



PL 65' S



PL 74' S



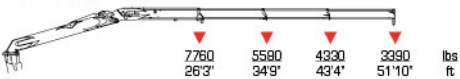


		PL 56' S	PL 65' S	PL 65' S
Maximum lifting moment	**ft lbs**	208020	195290	187480
Maximum hydraulic reach				
Horizontal	**ft**	43'10"	52'4"	61'2"
Vertical	**ft**	56'3"	65'	73'8"
Hydraulic system				
Recommended oil flow	**gals/min (USA)**	16+16	16+16	16+16
Rated pressure	**psi**	4570	4570	4570
Tank capacity	**gals (USA)**	53	53	53
Slewing system				
Slewing angle	**°**	410	410	410
Slewing moment	**ft lbs**	32450	32450	32450
working	**% (°)**	8,7(5)	8,7(5)	8,7(5)
Standard crane weight with non full tank	**lbs**	8215	8710	9240
Maximum power absorbed by the hydraulic pump	**hp**	45	45	45

PL 56' SP



PL 65' SP



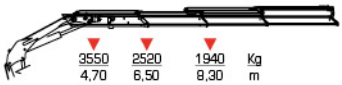
PL 74' SP





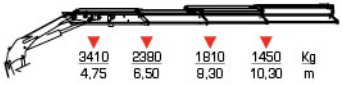
		PL 56' SP	PL 65' SP	PL 65' SP
Maximum lifting moment	**ft lbs**	216410	203680	195680
Maximum hydraulic reach				
Horizontal	**ft**	43'1"	52'4"	61'2"
Vertical	**ft**	56'3"	65'	73'8"
Hydraulic system				
Recommended oil flow	**gals/min (USA)**	16+16	16+16	16+16
Rated pressure	**psi**	4860	4860	4860
Tank capacity	**gals (USA)**	53	53	53
Slewing system				
Slewing angle	**°**	410	410	410
Slewing moment	**ft lbs**	32450	32450	32450
working	**% (°)**	8,7(5)	8,7(5)	8,7(5)
Standard crane weight with non full tank	**lbs**	8215	8710	9240
Maximum power absorbed by the hydraulic pump	**hp**	48	48	48

17022 TP



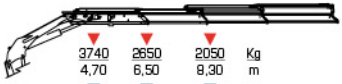
3550	2520	1940	Kg
4,70	6,50	8,30	m
7830	5550	4280	lbs
15' 5"	21' 4"	27' 3"	ft

17023 TP



3410	2390	1810	1450	Kg
4,75	6,50	8,30	10,30	m
7520	5250	3990	3200	lbs
15' 7"	21' 4"	27' 3"	33' 10"	ft

18522 TP



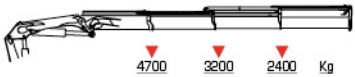
3740	2650	2050	Kg
4,70	6,50	8,30	m
8240	5840	4520	lbs
15' 5"	21' 4"	27' 3"	ft

18523 TP



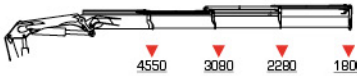
3550	2500	1900	1530	Kg
4,75	6,50	8,30	10,30	m
7830	5510	4190	3350	lbs
15' 7"	21' 4"	27' 3"	33' 10"	ft

20522 TP



4700	3200	2400	Kg
4,20	6,10	8,10	m
10360	7050	5290	lbs
13' 9"	20'	26' 7"	ft

20523 TP



4550	3080	2280	1800	Kg
4,25	6,15	8,15	10,30	m
10030	6790	5030	3970	lbs
13' 11"	20' 2"	26' 9"	33' 10"	ft

	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	kg. ST	lbs ST	mm	ft	mm	ft	mm	ft
17022 TP	16,7	120680	80/100	21/26	28,5	4130	400°	2225	4910	2495	8' 2"	2250	7' 5"	965	3' 2"
17023 TP	16,2	117160	80/100	21/26	28,5	4130	400°	2355	5195	2495	8' 2"	2250	7' 5"	965	3' 2"
18522 TP	17,6	127140	80/100	21/26	26	3770	400°	2275	5020	2495	8' 2"	2250	7' 5"	965	3' 2"
18523 TP	16,9	121970	80/100	21/26	26	3770	400°	2420	5340	2495	8' 2"	2250	7' 5"	965	3' 2"
20522 TP	19,7	142780	80/100	21/26	26	3770	410°	2640	5825	2520	8' 3"	2370	7' 9"	1070	3' 6"
20523 TP	19,3	139870	80/100	21/26	26	3770	410°	2825	6230	2520	8' 3"	2370	7' 9"	1070	3' 6"


PM
[16.5 TP]


[20.5 TP]
PM

Il PM Power Tronic è il sistema di gestione elettronico studiato da PM, che permette all'operatore di:

_monitorare costantemente lo stato della gru e quindi i possibili movimenti effettuabili anche in situazioni critiche di blocco della macchina;

_controllare in tempo reale tutte le informazioni che fornisce la centralina, grazie al sistema CAN-BUS che elimina i collegamenti tra dispositivi e quindi aumenta la velocità di trasmissione dei dati;

_lavorare in massima sicurezza grazie ai radiocomandi di ultima generazione che permettonono il controllo assoluto delle movimentazioni anche a distanza;

_leggere facilmente le informazioni che compaiono sul display grazie ad una segnaletica estremamente semplice;

_evitare i possibili danni provocati dal surriscaldamento dell'olio nelle tubazioni grazie al controllo dell'intervallo delle temperature in cui lavora la gru;

_non perdere tempo per la risoluzione dei guasti, infatti il Power Tronic è anche un registratore di eventi che facilita enormemente gli interventi di manutenzione.



The PM Power Tronic is the electronic management system developed by PM, that allows the operator to:

_monitor constantly the crane status and therefore the possible movements that can be performed even when it is blocked due to an excessive load;

_check just in time all the information provided by the central control unit, thanks to the CAN -BUS system, reducing cable connections and increasing the speed of data transmission;

_work in maximum safety thanks to the new generation radio remote controls, allowing the absolute control of the movements;

_read easily the information appearing on the display thanks to very simple graphic interface symbols;

_prevent possible damages deriving from overheating of the oil contained in the hydraulic parts thanks to the automatic checkof temperature interval in which the crane works;

_avoid wasting time for faults resolution, as the Power Tronic is also a chart recorder which makes the maintenace easier.

Le PM Power Tronic est le dispositif de gestion électronique projeté par PM permettant à tout moment:

_le monitorage complet de l'état de la grue et donc de connaître les manoeuvres possibles aussi en situation critiques;

_contrôler en temps réel la transmission des informations fourni par la centrale du PM Power Tronic grâce à le dispositifs CAN-BUS qui élimine les connections entre les dispositifs et va augmenter la vitesse de transmission des informations;

_travailler avec maximal sécurité avec les nouvelles commandes a distance de nouvelle génération qui permettent de contrôler tous les manoeuvres aussi a distance;

_lire simplement les informations sur le display grâce à l'interface graphique très simple;

_prévenir les dégâts pouvant dériver d'une surchauffe de l'huile dans les tuyaux en gérant la plage des températures dans le quelle travaillent la grue;

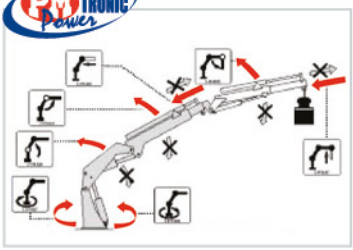


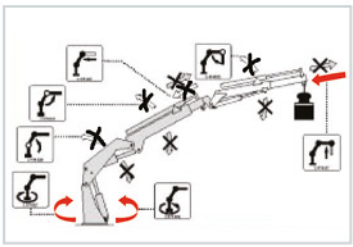
_pas perdre du temps pour diagnostiquer les défaillances, en effet le Power Tronic est un enregistreur des événements pour simplifier l'entretien de la grue.

PM Power Tronic ist ein von PM entwickeltes, elektronisches Steuerungssystem, das dem Bediener ermöglicht:
_den Kran permanent zu überwachen und im Falle einer Blockierung wegen Überlast noch mehr Bewegungen als mit herkömmlichen hydraulischen Vorrichtungen auszuführen;
_eine Statuskontrolle der Vorrichtungen in Echtzeit mit dem CAN-BUS System durchzuführen, **welches den Betrieb permanent überwacht und die Verkabelung der Vorrichtungen erheblich reduziert**;
_mit bestmöglicher Kontrolle und Sicherheit aufgrund der neuen;
Funkfernsteuerung zu arbeiten, **welche** mit den Steuerungen kontinuierlich Informationen austauschen und in Echtzeit alle möglichen Bewegungen anzeigen;
_Displayanzeigen aufgrund einfacher graphischer Symbole **leicht abzulesen**;
_durch Überhitzung des Hydrauliköls hervorgerufene Schäden zu verhindern, indem es die Arbeitstemperaturintervalle des Krans automatisch steuert;
_Fehler schnell zu beheben, da bereits vorgekommene Fehler des Krans gespeichert werden. Diese Fehlerspeicherung trägt auch zur Vereinfachung der Wartung bei.



El PM Power Tronic es el sistema de gestión electrónico desarrolado de PM, que permite al operador de:
_supervisionar completamente el estado de la grúa y los posibles movimientos que se pueden realizar también cuando la maquina está bloqueda debido a la carga excesiva;
_controlar en tiempo real las informaciones de la centralita, gracias al sistema CAN-BUS que reduce los cableados entre los dispositivos y por eso aumenta la velocidad de transmisión de los datos;
_trabajar en maxima seguridad gracias a los radiomandos de nueva generación que permiten el maxímo control de los movimientos;
_leer facilmente los señales que aparecen sobre el display gracias a la simbología sencilla de la interfaz gráfica;
_evitar los daños que podrían derivar del recalentamiento del aceite contenido en las partes hidráulicas, controlando automáticamente el intervalo de las temperaturas con las de trabajo de la grúa;
_no perder tiempo para la resolución de las averías, como que el Power Tronic es también un grabador de eventos que facilita el mantenimiento.







Sistema telescopico LC (Lungo-Corto)

Il **Sistema LC**, ormai consolidato nella produzione PM, consente la movimentazione dei bracci telescopici all'interno di un 1° braccio a fodero, utilizzando lo stesso comando dei martinetti sfilo bracci e lasciando inalterata la distanza di massimo sbraccio.

La maggioranza delle soluzioni adottate dalla concorrenza per l'avvicinamento del punto di aggancio alla colonna prevede, invece, la **limitazione** della corsa dei bracci e quindi un minor sbraccio utile. L'avvicinamento alla colonna e l'innalzamento rispetto al piano di carico del punto di aggancio di circa **80 cm** serve ad ottimizzare sia la movimentazione che il posizionamento del carico.

Il sistema LC non limita la corsa dello sfilo ma lo aumenta, rendendo la gru idonea per affrontare qualsiasi posizione di carico.

È possibile applicare l'antenna.

LC (Long-Short) Telescopic System

The **LC System**, which has become part of the PM range, enables movement of telescopic booms within a 1st boom acting as a sheath. This is done using the same control of the boom extension cylinders and without altering the maximum outreach. Most solutions adopted by competitors to move the attachment point closer to the column consist in **limiting** the boom stroke and reducing the actual outreach. Approaching the column and raising the attachment point by approximately **80 cm** with respect to the loading surface optimises both load handling and positioning. The LC system does not reduce the extension stroke but on the contrary increases it, thus making the crane suitable for any loading position.

Jibs can be applied.

Système télescopique LC (Long-Court)

Le **Système LC**, aujourd'hui confirmé dans la production PM, permet le mouvement des bras téléscopiques à l'intérieur d'un 1er bras avec gaine, utilisant la même commande que les vérins de déboîtement bras, sans modifier la distance de portée maximale.

La majorité des solutions adoptées par la concurrence pour l'approche du point de connexion à la colonne prévoit en revanche la **limitation** de la course du bras et donc une portée utile mineure.

Le rapprochement de la colonne et le rehaussement par rapport au plan de chargement du point de connexion d'environ **80 cm**, permet d'optimiser les mouvements et le positionnement de la charge. Le système LC ne limite pas la course du bras téléscopique, au contraire il l'augmente, permettant à la grue de gérer toutes les positions de charge.

Possibilité d'application du Jib.

Teleskopsystem LC (Lang-Kurz)

Das **LC-System** hat mittlerweile eine gefestigte Position innerhalb der PM-Produktion erlangt und es ermöglicht die Bewegung der Teleskoparme innerhalb eines 1. Hülsenauslegers, wobei die Steuerung der Auslegerausziehzylinder verwendet wird und das Ausmaß der maximalen Ausladung unverändert bleibt.

Die meisten Lösungen, die von der Konkurrenz verwendet werden, um den Einhakpunkt der Säule anzunähern, sehen dagegen vor, den Lauf der Ausleger **einzuschränken** und somit die Nutzausladung zu verringern. Die Annäherung des Einhakpunktes an die Säule und seine Erhöhung um ca. **80 cm** hinsichtlich der Ladeebene dient der Optimierung sowohl der Bewegung als auch der Positionierung der Last.

Das LC-System schränkt den Lauf des Ausziehers nicht ein, sondern erhöht ihn und ermöglicht dem Kran, jede Ladeposition zu bewältigen.

Eine Antennenmontage ist möglich.

Sistema telescópico LC (Largo-Corto)

El **Sistema LC**, ya consolidado en la producción de PM, permite el desplazamiento de los brazos telescópicos dentro de un primer brazo a modo de vaina, utilizando el mismo mando de los gatos de esfilo de los brazos y dejando invariada la distancia de alcance máximo.

La mayoría de soluciones adoptadas de la competencia para el acercamiento del punto de enganche a la columna, en cambio, prevé la **limitación** del recorrido de los brazos, con la consiguiente disminución del alcance útil. El acercamiento a la columna y el levantamiento del punto de enganche unos **80 cm** sobre el plano de carga permite optimizar tanto el desplazamiento como el posicionamiento de la carga.

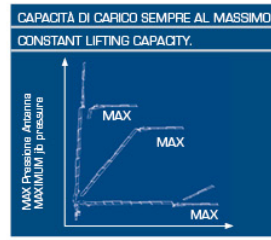
El sistema LC no limita el recorrido del esfilo sino que lo amplia, de manera que la grúa resulta adecuada para afrontar cualquier posición de carga.

Además, se puede aplicar el Jib.

ANTENNE A CONTROLLO ELETTRONICO - ELECTRONICALLY-CONTROLLED JIBS - JIB À CONTRÔLE ÉLECTRONIQUE - JIB MIT ELEKTRONISCHER STEUERUNG - JIB DE CONTROL ELECTRÓNICO

Antenne con doppio martinetto di articolazione disponibili fino a sei sfili idraulici. Angolo negativo di 20° o 25°.
Consentono massima flessibilità operativa in situazioni di difficile accesso. Realizzate con acciai speciali (ad alto limite elastico) garantiscono massima resistenza e massima leggerezza, che si traducono in una maggiore capacità di carico.
Grazie al sistema di blocco automatico degli sfili è garantita la massima sicurezza durante le fasi di trasferimento dell'autocarro.
Nuova funzionalità elettronica JMP.
Il nuovo sistema di controllo JMP (JIB Multi Power) ottimizza le prestazioni dell'antenna, mediante una variazione dinamica della pressione massima. L'antenna lavora sempre con la massima pressione possibile, in relazione alla configurazione geometrica della gru.

Jibs with double cylinder links available with up to sixhydraulic extensions. Negative angle of 20°. They offer maximum operating flexibility in difficult access conditions. They are manufactured with special steel to guarantee maximum resistance and lightness, which translate into greater load capacity.
The automatic extension lock system guarantees maximum safety of crane in stored position.
New electronic JMP function.
The new JMP (JIB Multi Power) control system optimises the jib's through dynamic variation of the maximum pressure. The jib always works



with the maximum pressure possible in relation to the crane's geometric configuration.

Jibs à double articulation, disponibles jusqu'à 6 extensions hydrauliques avec un angle négatif de 20° ou 25°.
Ils permettent une flexibilité maximum de travail même dans les endroits les plus difficiles d'accès. Réalisés à partir d'aciers spéciaux (à faible déformation élastique), ils garantissent une résistance et une légèreté maximale ; ce qui permet une meilleure capacité de charge.
Dû au système de bloc automatique des extensions hydauliques, est garantie la maxime securité pendant les phases de déplacement du véhicule.
Nouvelle fonction électronique JMP.
Le nouveau système de contrôle JMP (JIB Multi Power) optimise les prestations du JIB, grâce à une variation dynamique de la pression maximum. Le jib travaille toujours avec la pression maximale disponible, par rapport à la configuration de la grue.

Ausleger mit Doppelzylinder, verfügbar mit bis zu sechs hydraulischen Auszügen.
Negativer Winkel von 20°. Sie bieten optimale Flexibilität bei schwierigen Zugangsbedingungen. Hergestellt aus Spezialstahl, garantieren sie maximale Festigkeit und Gewichtsersparnis um höhere Tragfähigkeit zu erreichen.
Das automatische Verriegelungssystem garantiert maximale Sicherheit des Krans in der Transportstellung.
Neues elektronisches JMP-System.
Das neue JMP (JIB Multi Power) Steuersystem optimiert die Auszüge durch die dynamische Veränderung des maximalen Arbeitsdrucks.
Der Ausleger arbeitet immer mit dem maximalen Druck in Relation zur geometrischen Konfiguration des Krans.

Jibs con doble cilindro de articulación, disponibles hasta 6 salidas hidráulicas.
Ángulo negativo de 20° o 25°.
Permiten máxima flexibilidad operativa en situaciones de difícil acceso. Fabricadas con aceros especiales (con alto limite elástico) aseguran máxima resistencia y levedad, que se traducen en mayor capacidad de carga.
Gracias al sistema de bloqueo automático de las salidas hidráulicas, se garantiza la máxima seguridad durante los tiempos de traslado del camión. Nueva funcionalidad electrónica JMP.
El nuevo sistema de control JMP (JIB Multi Power) optimiza las prestaciones del Jib, por medio de una variación dinámica de la presión máxima. El Jib siempre trabaja con la mayor presión posible, en relación a la configuración geométrica de la grúa.

VERRICELLI A GESTIONE ELETTRONICA - ELECTRONIC MANAGED WINCHES - TREUILS À GESTION ÉLECTRONIQUE - WINDEN MIT ELEKTRONISCHER STEUERUNG - CABRESTANTES DE GESTIÓN ELECTRÓNICA

I verricelli a gestione elettronica, sono ineguagliabili per sensibilità, sicurezza e robustezza.
Sono molto più **compatti** rispetto ai normali verricelli idraulici e quindi richiedono molto meno spazio per l'installazione. Grazie al design ottimizzato dell'unità di guida garantiscono una **precisione assoluta** nel posizionamento dei carichi.
Il continuo scambio di informazioni analogiche tra la centralina del **PM Power Tronic** ed il sistema **MCD** (**Measuring Control Device**) permette, anche sulle versioni di gru più lunghe, di allestire verricelli con **elevata capacità di carico** diversamente dai normali verricelli idraulici, che, devono essere declassati in rapporto all'aumento del numero di estensioni.
Il **nuovo software di gestione** dei verricelli di ultima generazione montati sulle gru PM garantisce:
_ il **massimo della capacità di carico** in qualsiasi configurazione del braccio della gru o dell'antenna;
_ una **maggiore salvaguardia della struttura della gru**, grazie al controllo in tempo reale del carico sollevato;
_ un **segnale di allerta** quando si raggiunge la soglia di sovraccarico e quando si raggiungono gli ultimi 3 strati di cavo;
_ la **compensazione delle oscillazioni** della gru e quindi un miglior controllo del carico;
_ una **ridotta manutenzione ordinaria**, grazie all'alta qualità dei componenti.
Il nuovo sistema di rinvio della fune con carrucole in asse ai bracci della gru e dell'antenna garantisce un tiro della fune ottimale e rende possibile la chiusura dell'antenna in condizioni di trasporto della gru senza dover smontare bozzelli, contrappeso e carrucole di rinvio. Ecco perché con il verricello riprogettato è possibile un notevole risparmio di tempo per l'operatore.

Electronically managed winches, are matchless in terms of sensitivity, safety and sturdiness.
They are much more **compact** than standard hydraulic winches and therefore it is needed much less space for installation. Thanks to the optimised design of the unit guide, they grant **absolute precision** for load positioning.
The continuous exchange of analogic information between **PM Power Tronic** and the **MCD** (**Measuring Control Device**), allows to install winches with **a high loading capacity** even on the longest versions. This is usually not possible with standard hydraulic winches that must be declassed depending on the number of extensions. The **new software managing** the latest generation winches on PM cranes grants:
_ the **maximum loading capacity** in any configuration of the crane boom or jib;
_ **more protection of the crane structure**, thanks to control 'in real time' of the lifted load;
_ an **alert signal** when the overloading threshold or the last three layers of cable are reached;
_ **compensation for oscillation** of the crane and therefore better control on the load;
_ **less routine maintenance requirements**, thanks to the high quality components.
The new wire rope guide in-line system ensures optimal wire rope operations and enables the fly jib to fold in transport position without taking off pulleys, blocks or counterweights.
That's why with this redesigned winch the operator saves a great deal of time.



Les treuils à gestion électronique sont uniques par leur sensibilité, fiabilité et robustesse.
Ils sont beaucoup plus **compacts** que les treuils hydrauliques conventionnels et requièrent beaucoup moins de place pour leur installation. Grâce au design optimisé de l'unité de guidage, ils garantissent une **précision absolue** dans le positionnement des charges.
L'échange continu des informations analogiques entre la centrale du **PM Power Tronic** et le dispositif **MCD** (**Measuring Control Device**) permet, y compris sur les modèles de grues avec plusieurs rallonges, de monter des treuils ayant **une capacité de charge élevée**, contrairement aux treuils hydrauliques conventionnels, qui doivent être déclassés en rapport avec l'augmentation du nombre des rallonges.
Le **logiciel de gestion** des treuils de la dernière génération équipant les grues PM garantit:
_ le **maximum de charge levable**, quelle que soit la position de la flèche de la grue ou de la fléchette,
_ une **plus grande protection de la structure de la grue**, grâce au contrôle en temps réel de la charge levée,
_ un **signal d'alarme** lorsque le seuil de surcharge est atteint et lorsque les 3 dernières sections de la cordes sont atteintes,
_ la **compensation des oscillations** de la grue et donc un meilleur contrôle de la charge,
_un **entretien ordinaire mineur**, grâce à la grande qualité des composants.
Le nouveau système de renvoi du câble du treuil,

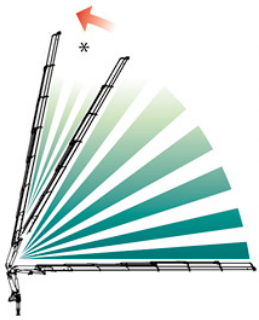
Le nouveau système de renvoi du câble du treuil, avec des poulies dans le même axe de la grue et du jib, assure un tir du câble optimal et il permet de replier le jib même sur la grue, sans devoir démonter le câble et les poulies du treuil en phase de transport du poid lourd. Voilà parce qu'avec le treuil, de nouveau projet, permet une considérable épargne de temp au chaffeur.

Die Winden mit elektronischer Steuerung sind unübertroffen in Bezug auf ihre Empfindlichkeit, Sicherheit und Widerstandsfähigkeit.
Verglichen mit den normalen Hydraulikwinden sind sie wesentlich **kompakter** und benötigen viel weniger Platz für die Installation. Dank des optimierten Designs der Führungseinheit gewährleisten sie **absolute Präzision** bei der Positionierung der Lasten.
Der konstante Austausch von Analoginformationen zwischen dem Steuergerät des **PM Power Tronic** und dem **MCD**-System (**Measuring Control Device**) ermöglicht auch in den Versionen der Kräne mit mehreren Verlängerungen das Ausrüsten mit Winden mit **hoher Ladekapazität**, im Unterschied zu den normalen Hydraulikwinden, die im Verhältnis zur Zunahme der Anzahl von Verlängerungen deklassiert werden müssen.

Diese, in die PM-Kräne installierte **Betriebssoftware** der Winden der letzten Generation, gewährleistet:
_ die **maximale Ladekapazität** in jeder Konfiguration des Kranauslegers oder des Jib;
_ einen **besseren Schutz der Kranstruktur**, dank der Steuerung in Realzeit der angehobenen Last;
_ ein **Warnsignal** bei Erreichen der Überlastschwelle und der letzten 3 Kabelschichten;
_ die **Kompensation der Kranschwankungen** und somit eine bessere Kontrolle der Last;
_ **geringere Instandhaltungsarbeiten**, dank der hohen Qualität der Komponenten.
Das neue Seilführungssystem sorgt für optimale Drahtseil Operationen und ermöglicht es den Fly-Jib in die Transportstellung zu bringen, ohne Scheiben, Blöcke oder Gegengewichte zu entfernen. Somit spart diese neu gestaltete Winde dem Anwender viel Zeit.

Los cabrestantes de gestión electrónica, son inigualables por su sencillez, seguridad y solidez. Son mucho más **compactos** que los cabrestantes hidráulicos normales, de modo que requieren mucho menos espacio para la instalación. Gracia sal diseño optimizado de la unidad de conducción, garantizan una **precisión absoluta** en el posicionamiento de las cargas.
El continuo intercambio de información analógica entre la centralita **PM Power Tronic** y el sistema **MCD** (**Measuring Control Device**) permite, incluso en las versiones de grúas con varias extensiones, montar cabrestantes con **elevada capacidad de carga**, a diferencia de lo que ocurre con los cabrestantes hidráulicos normales, que deben desclasarse en relación con el aumento del número de extensiones.
El **nuevo software de gestión** de los cabrestantes de última generación montados en las grúas PM garantiza:

_ la **máxima capacidad de carga** con cualquier configuración del brazo de la grúa o de la antena;
_ una **mayor protección de la estructura de la grúa**, gracias al control en tiempo real de la carga levantada;
_ una **señal de alerta** cuando se alcanza el umbral de sobrecarga y cuando se alcanzan los últimos 3 estratos de cable;
_ la **compensación de las oscilaciones** de la grúa y, por ende, un mejor control de la carga;
_ un **menor mantenimiento ordinario**, gracias a la alta calidad de los componentes.
El nuevo sistema de reenvío del cable, por medio de poleas en eje con los brazos de la grúa y del Jib, asegura un tiro del mismo optimal y permite el cierre del Jib (durante el traslado) sin tener que desmontar poleas y contrapesos. Por eso, gracias al nuevo diseño del cabrestante, el operador ahorra mucho tiempo.



- I verricelli elettronici controllano automaticamente la capacità di carico della gru evitando ad operatori meno esperti possibili errori.
- The electronic winches automatically control the crane loading capacity, avoiding, even to less trained operators, possible mistakes.
- Les treuils électroniques contrôlent automatiquement la capacité de charge de la grue en évitant aux operateurs les moins expert possible fautes.
- Die elektronische Winde überprüft die Krantragfähigkeit automatisch, um von wenig erfahrenen Arbeitern Fehler zu vermeiden.
- Los cabrestantes electronicos averiguan en automatico el alcance de carga de la grúa, evitando posibles errores también a los operadores menos hábiles.

ACCESSORI - ACCESSORIES - ACCESSOIRE - ACCESORIOS - ZUBEHÖR



2.8	/	/	O	/	/	/	/	/	O	/
3 P	●	●	O	/	/	/	/	/	O	/
3.6	/	/	O	/	/	/	/	/	O	/
3.9 P	●	●	O	/	/	/	/	/	O	/
4.5	/	/	O	/	/	/	/	/	/	O
5 P	●	●	O	/	/	/	/	/	/	O
6	/	/	O	/	/	/	/	/	/	O
6.5 P	●	●	O	/	/	/	/	/	/	O
8	/	/	O	/	/	/	O	/	/	O
8 LC	/	/	O	/	/	/	O	/	O	/
8.5 P	●	●	O	/	/	/	O	/	/	O
8.5 P LC	●	●	O	/	/	/	O	/	O	/
9	/	/	O	O	O	O	O	/	/	O
9 LC	/	/	O	/	O	O	/	/	/	O
9.5 P	●	●	O	O	/	/	O	/	/	O
9.5 P LC	●	●	O	/	/	/	/	/	/	O
11	/	/	O	O	O	O	O	/	/	O
11 LC	/	/	O	/	O	O	/	/	/	O
11.5 P	●	●	O	O	/	/	O	/	/	O
11.5 P LC	●	●	O	/	/	/	/	/	/	O
12	/	/	O	O	O	O	O	/	/	O
12 LC	/	/	O	/	O	O	/	/	/	O
12.5 S	O	O	O	O	O	/	O	/	O	O
12.5 S LC	O	O	O	/	O	/	/	/	O	/
13 P	●	●	O	O	/	/	O	/	/	O
13 P LC	●	●	O	/	/	/	/	/	/	O
13.5 SP	●	●	●	O	/	/	O	/	O	O
13.5 SP LC	●	●	●	/	/	/	/	/	O	/
15.5	O	O	O	/	O	O	O	/	/	O
16.5 S	O	O	O	/	O	O	O	/	O	O
16.5 S LC	O	O	O	/	O	O	O	/	O	O
18 SP	●	●	O	O	O	O	O	O	O	O
18 SP LC	●	●	O	O	O	O	O	O	O	O
19	O	O	O	/	O	O	O	/	O	O
19 LC	O	O	O	/	O	O	O	/	O	O
21	O	O	O	/	O	O	O	/	O	O
21 LC	O	O	O	/	O	O	O	/	O	O
21.5 S	O	O	O	/	O	O	O	/	O	O
21.5 S LC	O	O	O	/	O	O	O	/	O	O
23 P	●	●	O	O	O	O	O	O	O	O

CLASSIC SILVER GOLD PLATINUM

ACCESSORI - ACCESSORIES - ACCESSOIRE - ACCESORIOS - ZUBEHÖR



23 P LC	●	●	O	O	/	/	O	O	O	O
23.5 SP	●	●	O	O	O	O	O	O	O	O
23.5 SP LC	●	●	O	O	/	/	O	O	O	O
24 PX	O	O	O	/	O	O	O	/	O	O
27.5 S PX	O	●	O	/	/	/	O	/	O	O
28.5 SP	●	●	●	O	/	/	O	O	O	O
28.5 SP LC	●	●	●	O	/	/	O	O	O	O
30.5 SP	●	●	●	O	O	O	O	O	O	O
30.5 SP LC	●	●	●	O	O	O	O	O	O	O
32.5 S PX	O	●	O	/	/	/	O	/	O	O
36.5 S	●	●	●	O	O	O	O	O	O	/
38.5 SP	●	●	●	O	/	/	O	O	O	O
38.5 SP LC	●	●	●	O	/	/	O	O	O	O
40.5 SP	●	●	●	O	O	O	O	O	O	/
40.5 SP LC	●	●	●	O	O	O	O	O	O	O
47.5 SP	●	●	O	O	/	O	O	O	O	O
47.5 SP C	●	●	O	/	/	O	O	O	O	O
48.5 SP	●	●	O	O	/	O	O	O	O	O
48.5 SP C	●	●	O	/	/	O	O	O	O	O
50.5 SP	●	●	O	O	/	O	O	O	O	O
50.5 PX	●	●	O	O	/	O	O	O	O	O
50.5 SP C	●	●	O	O	/	O	O	O	O	O
50.5 PX C	●	●	O	O	/	O	O	O	O	O
51.5 SP	●	●	O	O	/	O	O	O	O	O
51.5 SP C	●	●	O	O	/	O	O	O	O	O
57.5 PX	O	O	O	/	/	O	O	O	O	/
57.5 PX C	O	O	O	/	/	O	O	O	O	/
57.5 SP	●	●	O	/	/	O	O	O	O	O
57.5 SP C	O	O	O	/	/	O	O	O	O	/
58.5 SP	●	●	O	O	/	O	O	O	O	O
58.5 SP C	●	●	O	/	/	O	O	O	O	O
65 SP	●	●	●	O	/	O	O	O	O	O
85 SP	●	●	●	O	/	O	O	O	O	O
100 SP	●	●	●	O	/	O	O	O	O	O
150 SP	●	●	●	O	/	O	O	O	O	O
210 SP	●	●	●	O	/	O	O	O	O	O
12LA-14PLA	/	/	O	/	/	/	/	/	O	O
17LA-19PLA	/	/	O	/	/	/	O	/	O	O
POWER LIFT	O	O	O	/	/	●	/	/	/	●
TP	●	●	O	/	●	O	O	/	/	●

O Disponibile come accessorio - Available as optionals - Disponible comme accessoire - Als Zubehör erhältlich - Disponible como accesorio

● Equipaggiamento di serie - Standard configuration - Equipement standard - Serienmäßig - Equipo de serie

ABBINAMENTO GRU/VEICOLO - TRUCKING CRANE COMBINATION
ACCOUPLEMENT GRUE/VÉHICULE - ACOPLAMIENTO GRÚA CON VEICULO
KRAN ZUSAMMEN MIT LKW

PTT/GVW	2.5-2.5 3.5LA	2.7	2.8	3 p	3.6	3.9 p	4	4.5	5 p	6	6.5 p	8	8.5 p	9
3,5 ton														
5,0 ton														
6,0 ton														
6,5 ton														
7,5 ton														
8,0 ton														
10,0 ton														
12,0 ton														
13,5 ton														
15,0 ton														
18,0 ton														
19,0 ton														
26,0 ton														
32,0 ton														

PTT/GVW	9.5 P	9.5 S	10.5 SP	11	11.5 p	12	12.5 SP	12.5 S	13 p	12.5 SP	15.5	16.5 S	17 TP	18 SP	18.5 TP	19	20.5 TP
3,5 ton																	
5,0 ton																	
6,0 ton																	
6,5 ton																	
7,5 ton																	
8,0 ton																	
10,0 ton																	
12,0 ton																	
13,5 ton																	
15,0 ton																	
18,0 ton																	
19,0 ton																	
26,0 ton																	
32,0 ton																	

PTT: Peso totale a terra - G.V.W. - P.T.A.C. - Peso total del veiculo - LKW Gesamtgewicht

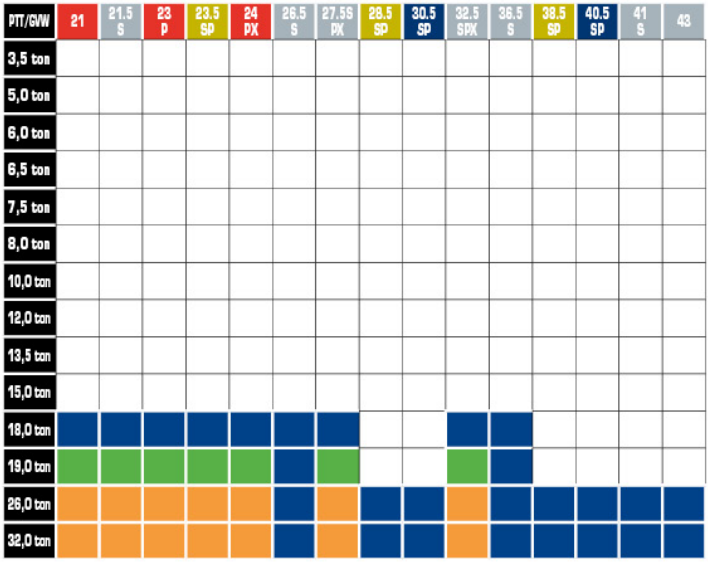
2 stabilizzatori STD
2 outriggers STD
2 stabilisateurs STD
2 Abstützungen STD
2 gatos de apoyo STD

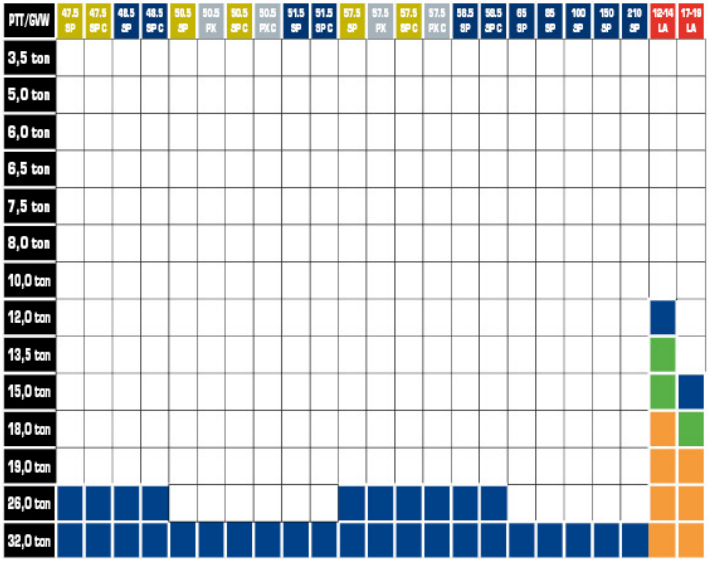
2 stabilizzatori XL
2 outriggers XL
2 stabilisateurs XL
2 Abstützungen XL
2 gatos de apoyo XL

4 stabilizzatori
4 outriggers
4 stabilisateurs
4 Abstützungen
4 gatos de apoyo

CLASSIC
SILVER
GOLD
PLATINUM

ABBINAMENTO GRU/VEICOLO - TRUCKING CRANE COMBINATION
ACCOUPLEMENT GRUE/VÉHICULE - ACOPLAMIENTO GRÚA CON VEICULO
KRAN ZUSAMMEN MIT LKW





PTT: Peso totale a terra - G.V.W. - P.T.A.C. - Peso total del veiculo - LKW Gesamtgewicht

Le antenne idrauliche (J) possono essere installate anche sulle gru in versione LC.
The Hydraulic jib can be mounted on the LC version.

Les bras articulés (J) peuvent être installés sur les grues en version LC également.
Hydraulische jibs können auch auf die LC Ausführungen montiert werden.

Las antenas hidraulicas se pueden montar tambien en gruas version LC.

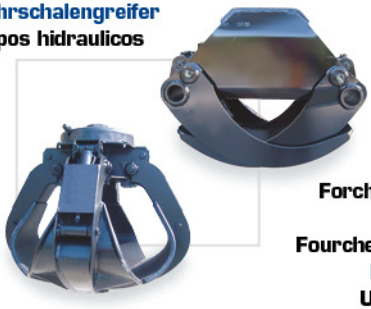
Benne bivalve con cilindro orizzontale
Clamshell buckets with horizontal cylinder
Bennes preneuses à vérin horizontal
Zweichalengreifer Zweichalengreifer mit liegendem Zylinder
Cuchara bivalva con cilindro horizontal



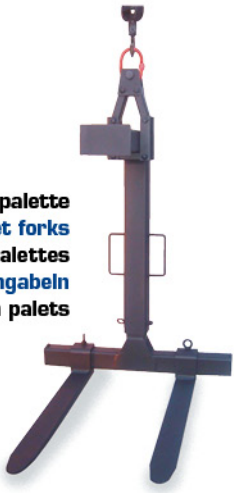


Benne bivalve per carico di materiali vari
Clamshell buckets for loading different materials
Bennes preneuses pour chargement de matériaux différentes
Zweischalengreifer
Cuchara bivalva para carga de varios materiales

Polipi idraulici
Hydraulic grapples
Grappins hydrauliques
Mehrschalengreifer
Pulpos hidraulicos



Forche portapalette
Pallet forks
Fourches lève-palettes
Palettengabeln
Uña para palets



Posto di manovra in piedi
Stand up control
Poste de manoeuvre debout
Hochstand
Mando en pie



Posto di manovra in alto
Top seat
Poste de manoeuvre en hauteur
Hochsitz
Mando en altura





Tutte le gru PM sono coperte da polizza assicurativa internazionale per la responsabilità verso terzi.
All PM Cranes are covered by international insurance policy for civil liability third party.
Toutes les grues sont couvertes par une police d'assurance internationale de responsabilité civile envers tiers.
PM Krane sind durch eine internationale Haftpflichtversicherung gegen Dritte abgesichert.
Todas las gruás PM cuentan con una póliza de seguros internacional contra las responsabilidades civiles hacia terceros.

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Pocket

truck mounted cranes

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