



Pocket



truck mounted cranes



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 desarrollada según las necesidades de los clientes y ofrecen el máximo 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**



- **Sollevarmento oggetti ingombranti**
- **Heavy-Duty objects Handling**
- **Levage objets encombrant**
- **Sperrgutverladung**
- **Levantamiento objetos 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 béton**
- **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**





Crema glia
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
Rotación



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
Extension sequence boom
Sortie verins télescopiques en séquence
Anzahl der Ausschubzylinder
Salida secuencial 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 pivotants hydrauliquement
Hydraulisch schwenkbare
Abstützylinder
Brazos estabilizadores giratorios
hidraulicos



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



Martinetti stabilizzatori rotanti manuali
Manual flip up outriggers
Vérins pivotant manuellement
Manuell schwenkbare Abstützylinder
Brazos estabilizadores rodantes
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
Ölköhler
Enfriador de aceite



Valvola rigenerativa
Regenerative kit
Dispo régénératif
Regenerationsventil
Válvula regenerativa



Stability
power system



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
Treuil hydrauliques
Hydraulische Winde am Kran
Cabrestante hidráulico sobre la grúa



Distributore Idraulico proporzionale
Proportional hydraulic control valve block
Distributeur hydraulique proportionnel
Hydraulische Proportional Steuerung
Distributor hidráulico proporcional



Verricello idraulico su antenna
Hydraulic winch on the Jib
Treuil hydrauliques
Hydraulische Winde am Jib
Cabrestante hidráulico 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 elevación máxima



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



Profondità
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	lbs	kg	lbs	mm	ft	mm	ft	mm	ft

Momento massimo nominale - es: 28.5 tm

Maximum Lifting Moment - e.g.: 28.5 tm

Moment maxim nominal - ex: 28.5 tm

Hubmoment - z.B. 28.5 mt

Momento o de elevación máxima - ej: 28.5 tm

Articolazioni tra i bracci

Nr of articulations

Articulations entre les bras

Anzahl

Nro de las articulaciones

N° di estensioni idrauliche

Nr of Hydraulic Extensions

No. des extensions hydrauliques

Anzahl der hydraulischen Ausschübe

Nro de salidas hidraulicas

285 26 SP

J 614.20

Dotata di doppie bielle
sulle articolazioni

With Double Linkage

Equipée avec double

bielles sur les articulations

Mit Doppelkniehebeln

ausgestattet

Con Doble Biela

Dotata del sistema PLUS

With Plus System

Equipée avec system PLUS

Mit Plus System ausgestattet

Con sistema PLUS

antenna

Jib

Momento massimo nominale - es: 6.1 tm

Maximum Lifting Moment - e.g: 6.1 tm

Moment maxim nominal - ex: 6.1 tm

Hubkraft - z.B: 6.1 tm

Momento de elevación máxima - ej: 6.1 tm

Angolo negativo antenna idraulica - es: 20°

Negative angle jib - e.g.: 20°

Angle negatif jib - ex.: 20°

Negativ Grand für jib - z.B.: 20°

Angulo negativo del jib - ej.: 20°

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	
	2185	1700	1230	lbs
	8' 2"	10' 8"	14' 9"	
				m

2822

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

2823

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



	tn	ft lbs	l/min	gals/min	Mpa	Psi	ST	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"



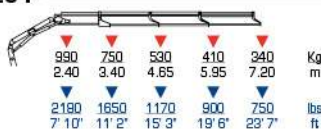
3021 P



3022 P



3023 P



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



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		kg.	lbs		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"



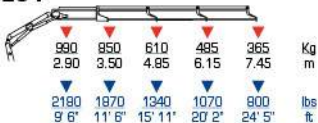
3921 P



3922 P



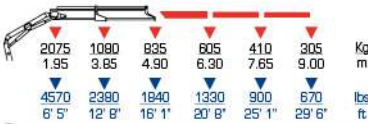
3923 P



	tn	ft lbs	l/min	gals/min	Mpa	Psi	0	kg	lbs	mm	ft	mm	ft
3921 P	3,1	22130	10/12	3	26,5	3840	360	425	940	1880	6'2"	1605	5'3'
3922 P	3	21960	10/12	3	26,5	3840	360	455	1005	1880	6'2"	1605	5'3'
3923 P	3	21960	10/12	3	26,5	3840	360	480	1060	1880	6'2"	1605	5'3'



4521



4522



4523



4524



	tm	ft lbs	l/min	gals/min	Mpa	Psi	ST	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



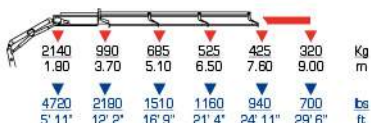
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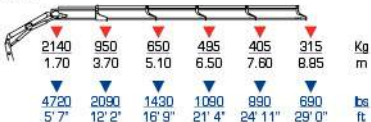
5022 P



5023 P



5024 P



	tm	ft lbs	l/min	gals/min	Mpa	Psi	ST	ST	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	19"
5022 P	4,2	30110	10/30	3/8	26	3770	360	570	1260	2035	6'8"	1830	6'	600	19"
5023 P	3,9	27860	10/30	3/8	26	3770	360	600	1325	2080	6'10"	1830	6'	600	19"
5024 P	3,6	26310	10/30	3/8	26	3770	360	620	1370	2160	7'1"	1830	6'	600	19"



6021



6022



6023



6024



	tn	ft lbs	l/min	gals/min	Mpa	Psi	ST	ST	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



6522 P



6523 P



6524 P



	tm	ft lbs		l/min	gals/min	Mpa	Psi	ST	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



8022



8023



8024



Capacity		Flow		Pressure		Attachment				Reach		Height	
ton	ft lbs	l/min	gals/min	Mpa	Psi	ST	ST	LC	LC	mm	ft	mm	ft
8021	6,7	48510	20	5	27	3920	400	880	1945	-	-	2325	7'8"
8022	6,5	46990	20	5	27	3920	400	940	2075	995	2195	2325	7'8"
8023	6,1	43880	20	5	27	3920	400	1000	2205	1055	2330	2325	7'8"
8024	5,9	42820	20	5	27	3920	400	1060	2340	-	-	2325	7'8"

Plus



8521 P



8522 P



8523 P



8524 P



	ton	ft lbs	l/min	gals/min						Mpa	Psi	ST	ST	LC	LC	mm	ft
8521 P	7	50810	20/30	5/8	28	4060	400	880	1945	-	-	2325	78"	1900	6'3"	710	24"
8522 P	6,8	49430	20/30	5/8	28	4060	400	940	2075	995	2195	2325	78"	1900	6'3"	710	24"
8523 P	6,3	45310	20/30	5/8	28	4060	400	1000	2205	1055	2330	2325	78"	1900	6'3"	710	24"
8524 P	6	43220	20/30	5/8	28	4060	400	1060	2340	-	-	2325	78"	1900	6'3"	750	24"



9021



9022



9023



9024



9022 + J11



9022 + J12



	ton	ft lbs	l/min	gals/min	Mpa	Psi	kg	lbs	kg	lbs	mm	ft	mm	ft	mm	ft	
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



9522 P



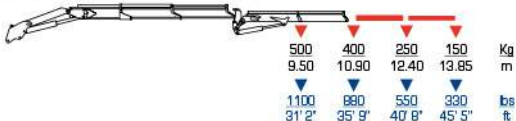
9523 P



9524 P



9522 P + J11



9522 P + J12



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



 kg	 lbs	 kg	 lbs	 mm	 ft	 mm	 ft	 mm	 ft
ST	ST	LC	LC						
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



11022



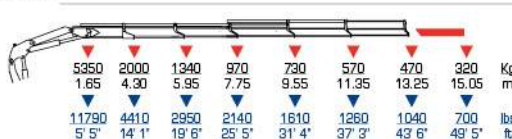
11023



11024



11025



11023 + J12



11024 + J12



	tm	ft lbs	V/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		 mm		 ft		 mm		ft	
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



11522 P



11523 P



11524 P



11525 P



11523 P + J12



11024 P + J12



	tm	ft lbs	l/min	gals/min	Mpa	Psi	400
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	 mm	 ft	 mm	 ft	 mm	 ft
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



12022



12023



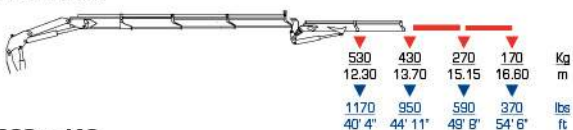
12024



12025



12023 + J11










12023 + J12



							
	tn	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	 lbs	 kg	 lbs						
ST	ST	LC	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"



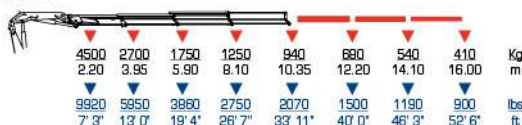
12521 S



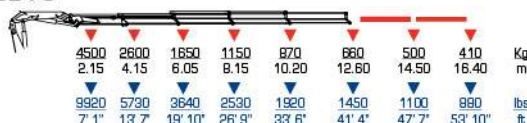
12522 S



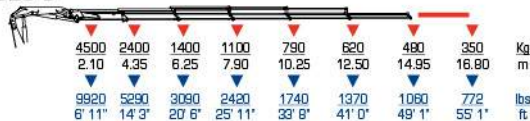
12523 S



12524 S



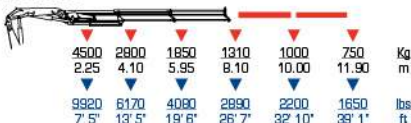
12525 S



12521 S LC



12522 S LC



12523 S LC



	tm	 ft lbs	 V/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



12525 S LC



12523 S LC + J252



12524 S LC + J252



kg	lbs	kg	lbs	mm	ft	mm	ft	mm	ft
ST	ST	LC	LC						
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



13022 P



13023 P



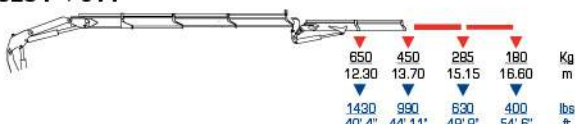
13024 P



13025 P






13023 P + J11











13023 P + J12



			
	tn	ft lbs	l/min
13021 P	12,0	86800	30/40
13022 P	11,5	83310	30/40
13023 P	11,0	79690	30/40
13024 P	10,8	78280	30/40
13025 P	10,1	72740	30/40
13023 P + J11	-	-	30/40
13023 P + J12	-	-	30/40

			
	gals/min	Mpa	Psi
13021 P	8/11	28,5	4130
13022 P	8/11	28,5	4130
13023 P	8/11	28,5	4130
13024 P	8/11	28,5	4130
13025 P	8/11	28,5	4130
13023 P + J11	8/11	28,5	4130
13023 P + J12	8/11	28,5	4130



 kg	 lbs	 kg	 lbs	 mm	 ft	 mm	 ft	 mm	 ft
ST	ST	LC	LC						
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"



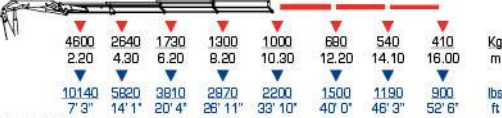
13521 SP



13522 SP



13523 SP



13524 SP



13525 SP



13521 SP LC



13522 SP LC



13523 SP LC



	tn	ft lbs	l/min	gals/min	Mpa	Psi	D
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



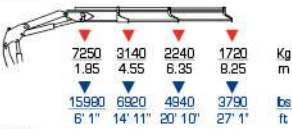
kg	lbs	kg	lbs	mm	ft	mm	ft	mm	ft
ST	ST	LC	LC						
1450	3200	1535	3385	2420	7'11"	2135	7'0"	770	2'6"
1560	3440	1645	3630	2420	7'11"	2135	7'0"	770	2'6"
1665	3675	1750	3860	2420	7'11"	2135	7'0"	770	2'6"
1765	3895	1850	4080	2420	7'11"	2135	7'0"	865	2'10"
1850	4080	1935	4270	2420	7'11"	2145	7'0"	865	2'10"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



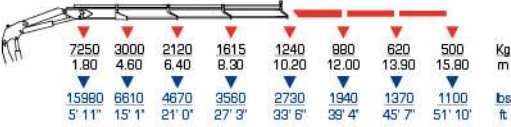
15521



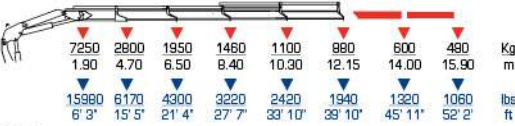
15522



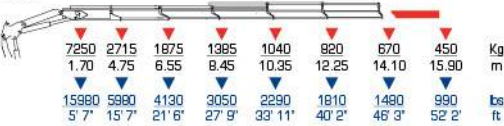
15523



15524



15525



							
	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.	 lbs.	 kg.	 lbs.						
ST	ST	LC	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



16523 S



16524 S



16525 S



16526 S



16527 S



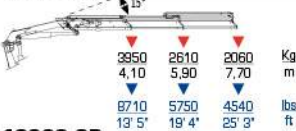
	 tm	ft lbs					
			l/min	gals/min	Mpa	Psi	
16522 S	15	108500	40/75	11/20	30,5	4420	400
16523 S	14,6	105600	40/75	11/20	30,5	4420	400
16524 S	14,2	102710	40/75	11/20	30,5	4420	400
16525 S	13,9	100540	40/75	11/20	30,5	4420	400
16526 S	13,5	97650	40/75	11/20	30,5	4420	400
16527 S	13,4	96920	40/75	11/20	30,5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



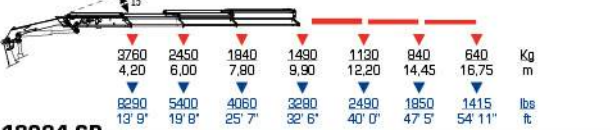
 kg	 lbs	 kg	 lbs	 mm	 ft	 mm	 ft	 mm	 ft
ST	ST	LC	LC	mm	ft	mm	ft	mm	ft
1930	4255	2040	4500	2455	8'1"	2250	7'4"	965	3'2"
2070	4565	2180	4810	2455	8'1"	2250	7'4"	965	3'2"
2195	4840	2310	5095	2455	8'1"	2250	7'5"	965	3'2"
2320	5115	2435	5370	2455	8'1"	2305	7'7"	1025	3'4"
2430	5360	2545	5615	2455	8'1"	2365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



18022 SP



18023 SP



18024 SP



18025 SP



18026 SP



18027 SP



18023 SP + J512.20

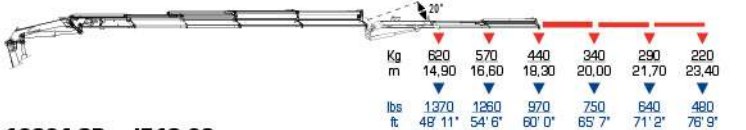


	tn	ft lbs	l/min	gals/min	Mpa	Psi	
18022 SP	16,2	117170	65/80	17/21	30,5	4420	400
18023 SP	15,8	114280	65/80	17/21	30,5	4420	400
18024 SP	15,3	110670	65/80	17/21	30,5	4420	400
18025 SP	15	108500	65/80	17/21	30,5	4420	400
18026 SP	14,6	105600	65/80	17/21	30,5	4420	400
18027 SP	14,5	104880	65/80	17/21	30,5	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



18024 SP + J512.20



18024 SP + J513.20



18024 SP + J514.20



18025 SP + J252



kg	lbs	kg	lbs						
ST	ST	LC	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



19023



19024



19025



			
	tn	ft lbs	l/min
19022	17	122960	40/75
19023	16,45	118620	40/75
19024	16,1	116450	40/75
19025	15,8	114280	40/75

			
	gals/min	Mpa	Psi
19022	11/20	30,5	4420
19023	11/20	30,5	4420
19024	11/20	30,5	4420
19025	11/20	30,5	4420



 ST	 ST	 LC	 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



21023



21024



21025



21026












21027



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



 kg	 lbs	 kg	 lbs	 mm	 ft	 mm	 ft	 mm	 ft
ST	ST	LC	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



21523 S



21524 S



21525 S



21526 S









21527 S



	tn	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



										
ST	ST	LC	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



23023 P



23024 P



23025 P



23026 P



23027 P



23023 P + J512.20

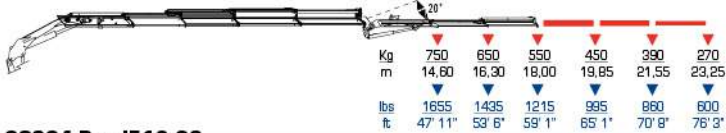


	tn	ft lbs	l/min	gals/min	Mpa	Psi
23022 P	20,5	148280	65/80	17/21	30,5	4420
23023 P	19,7	142490	65/80	17/21	30,5	4420
23024 P	19,3	139600	65/80	17/21	30,5	4420
23025 P	18,8	135980	65/80	17/21	30,5	4420
23026 P	18,4	133090	65/80	17/21	30,5	4420
23027 P	18,2	131640	65/80	17/21	30,5	4420
23023 P + J512.20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

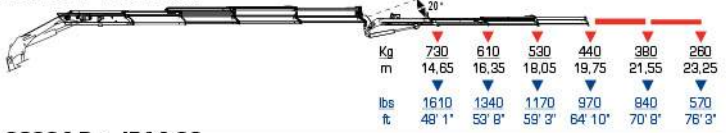
23023 P + J513.20



23024 P + J512.20



23024 P + J513.20



23024 P + J514.20



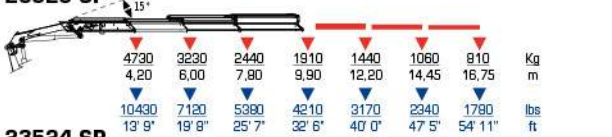
kg	lbs	kg	lbs						
ST	ST	LC	LC	mm	ft	mm	ft	mm	ft
2090	4610	2200	4855	2460	8'1"	2250	7'4"	965	3'2"
2235	4930	2345	5170	2460	8'1"	2250	7'4"	965	3'2"
2370	5225	2485	5480	2460	8'1"	2250	7'4"	965	3'2"
2495	5505	2610	5755	2460	8'1"	2250	7'4"	1025	3'4"
2610	5755	2725	6010	2460	8'1"	2250	7'4"	1045	3'5"
2710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



23523 SP



23524 SP



23525 SP



23526 SP



23527 SP



23523 SP + J512.20

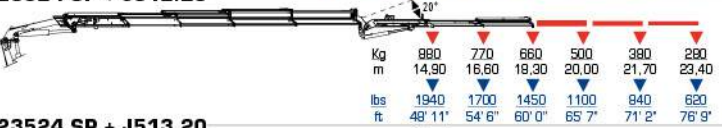


	tm	ft lbs	l/min	gals/min	Mpa	Psi
23522 SP	21,3	154060	65/80	17/21	30,5	4420
23523 SP	19,8	143210	65/80	17/21	30,5	4420
23524 SP	19,3	139600	65/80	17/21	30,5	4420
23525 SP	18,9	136700	65/80	17/21	30,5	4420
23526 SP	18,6	134530	65/80	17/21	30,5	4420
23527 SP	17,7	128020	65/80	17/21	30,5	4420
23523 SP +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

23523 SP + J513.20



23524 SP + J512.20



23524 SP + J513.20



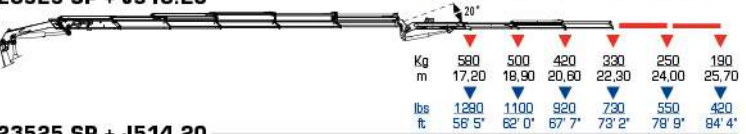
23524 SP + J514.20



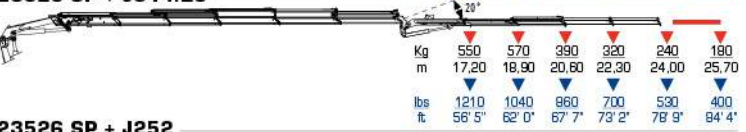
23525 SP + J512.20



23525 SP + J513.20



23525 SP + J514.20



23526 SP + J252



kg	lbs	kg	lbs	mm	ft	mm	ft	mm	ft
ST	ST	LC	LC						
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



24022 PX



24023 PX






24024 PX



24025 PX



	tn	 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



								
	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



27523 PX



27524 PX



27525 PX



27526 PX



27527 PX









27528 PX



						
	tn	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	 lbs					
	ST	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



28523 SP



28524 SP



28525 SP



28526 SP



28527 SP



28528 SP



	tm	ft lbs	I/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

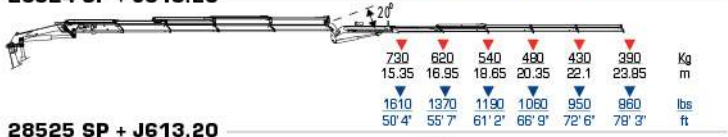
28524 SP + J813.20



28524 SP + J814.20



28524 SP + J815.20



28525 SP + J613.20



28525 SP + J614.20



28526 SP + J613.20



28526 SP + J614.20



ST	ST	LC	LC	mm	ft	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"		







30522 SP



30523 SP



30524 SP



30525 SP



30526 SP



30527 SP



30528 SP



	tm	ft lbs	l/min	gals/min	Mpa	Psi	
30522 SP	25,7	185740	75/90	20/24	35	5080	CONTINUO CONTINUOS CONTINU ENDLOS CONTINUO
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	
30527 SP	23,5	170150	75/90	20/24	35	5080	
30528 SP	23,3	168500	75/90	20/24	35	5080	
30524 SP + J813.20	-	-	75/90	20/24	35	5080	
30524 SP + J814.20	-	-	75/90	20/24	35	5080	
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



30524 SP + J814.20



30524 SP + J815.20



30525 SP + J613.20



30525 SP + J614.20



30526 SP + J613.20





30526 SP + J614.20



kg	lbs	kg	lbs	mm	ft	mm	ft	mm	ft
ST	ST	LC	LC						
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****32523 S PX****32524 S PX****32525 S PX**

	tn	 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



36523 S



36524 S



36525 S



36526 S



36527 S













36528 S



							
	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



									
ST	ST	LC	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



38523 SP



38524 SP



38525 SP



38526 SP



38527 SP



38528 SP



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

38524 SP + J1113.20



38524 SP + J1114.20



38524 SP + J1115.20



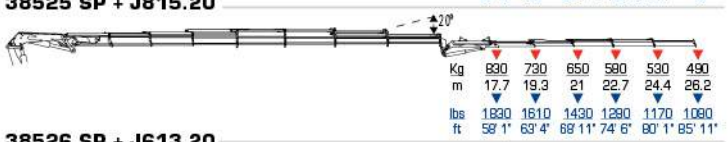
38524 SP + J1116.20



38525 SP + J814.20



38525 SP + J815.20



38526 SP + J613.20



38526 SP + J614.20



kg	lbs	kg	lbs	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"



40522 SP



40523 SP



40524 SP



40525 SP



40526 SP



40527 SP



40528 SP



	tn	ft lbs	l/min	gals/min	Mpa	Psi	
40522 SP	34,4	248820	80/100	21/26	34	4930	CONTINUO CONTINUOS CONTINUO ENDOS CONTINUO
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	
40528 SP	31,1	224840	80/100	21/26	34	4930	
40524 SP + J1113.20	-	-	80/100	21/26	34	4930	
40524 SP + J1114.20	-	-	80/100	21/26	34	4930	
40524 SP + J1115.20	-	-	80/100	21/26	34	4930	
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



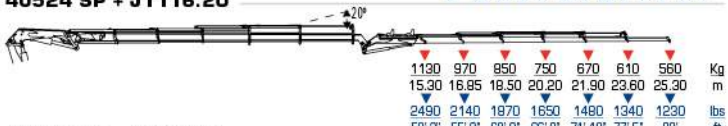
40524 SP + J1114.20



40524 SP + J1115.20



40524 SP + J1116.20



40525 SP + J814.20



40525 SP + J815.20



40526 SP + J613.20



40526 SP + J614.20



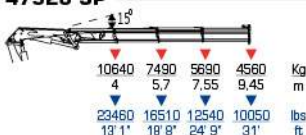
kg	lbs	kg	lbs	mm	ft	mm	ft	mm	ft
3145	6935	3255	7180	2525	8'3"	2370	7'9"	1130	3'8"
3345	7375	3455	7620	2525	8'3"	2370	7'9"	1130	3'8"
3535	7795	3645	8040	2525	8'3"	2370	7'9"	1130	3'8"
3715	8195	3825	8435	2540	8'4"	2370	7'9"	1180	3'10"
3870	8535	3980	8775	2540	8'4"	2370	7'9"	1205	3'11"
4005	8830	4115	9075	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



47523 SP



47524 SP



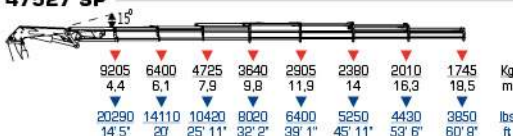
47525 SP



47526 SP



47527 SP











	tn	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



47529 SP



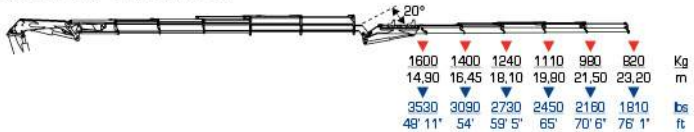
 ST	 ST	 mm	 ft	 mm	 ft	 mm	 ft
4175	9205	2550	8' 4"	2500	8' 2"	1330	4' 4"
4390	9680	2550	8' 4"	2500	8' 2"	1330	4' 4"
4635	10220	2500	8' 4"	2500	8' 2"	1330	4' 4"
4855	10705	2550	8' 4"	2500	8' 2"	1330	4' 4"
5055	11145	2550	8' 4"	2500	8' 2"	1415	4' 8"
5230	11535	2550	8' 4"	2500	8' 2"	1445	4' 9"
5405	11920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



47524 SP + J1414.20



47524 SP + J1415.20



47524 SP + J1416.20



47525 SP + J1214.20

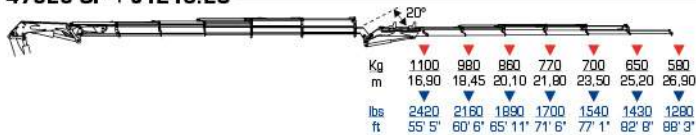


47525 SP + J1215.20



	tn	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



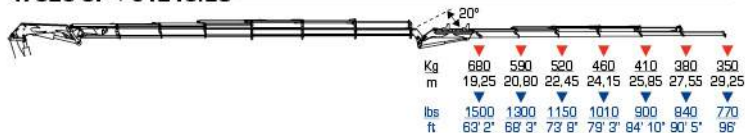
47526 SP + J1214.20



47526 SP + J1215.20



47526 SP + J1216.20



							
ST	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



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

47528 SP + J612.20






47528 SP + J613.20



47528 SP + J614.20



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



47522 SP C



47523 SP C



47524 SP C



47525 SP C



47526 SP C



47527 SP C



	tn	ft lbs	l/min	gals/min	Mpa	Psi	ST	ST	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'	5365	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
3,85	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



48523 SP



48524 SP



48525 SP



48526 SP



48527 SP








	tn	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



48529 SP



 ST	 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



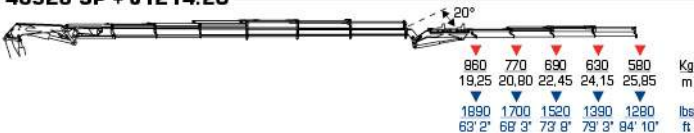
48525 SP + J1215.20



48525 SP + J1216.20



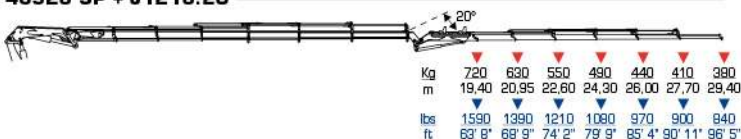
48526 SP + J1214.20



48526 SP + J1215.20



48526 SP + J1216.20



	tn	ft lbs	l/min	gals/min	Mpa	Psi	Cont.
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		lbs		mm		ft		mm		ft	
ST	ST	mm	ft	mm	ft	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



48523 SP C



48524 SP C



48525 SP C



48526 SP C



48527 SP C



	tn	ft lbs	l/min	gals/min	Mpa	Psi	ST	ST	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 9890	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.	4985 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



48529 SP C





50522 SP



50523 SP



50524 SP



50525 SP



50526 SP



	tn	ft lbs	l/min	gals/min	Mpa	Psi	ST	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



50523 PX



50524 PX



50525 PX



50526 PX



	tn	ft lbs	l/min	gals/min	Mpa	Psi	ST	ST	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



50523 SP C



50524 SP C



50525 SP C



50526 SP C



	tn	ft lbs	l/min	gals/min	Mpa	Psi	kg	lbs	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****50523 PX C****50524 PX C****50525 PX C****50526 PX C**

	tn	ft lbs	l/min	gals/min	Mpa	Psi	kg	lbs	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



51523 SP



51524 SP



51525 SP



51526 SP



	tn	ft lbs	l/min	gals/min	Mpa	Psi		ST	ST	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"
51523 SP	46,1	333190	80/100	21/26	34,5	5000	Cont.	4580	10100	2550	8'4"	2500	8'2"
51524 SP	46,1	333410	80/100	21/26	34,5	5000	Cont.	4825	10640	2550	8'4"	2500	8'2"
51525 SP	45	325650	80/100	21/26	34,5	5000	Cont.	5045	11125	2550	8'4"	2500	8'2"
51526 SP	44,5	321870	80/100	21/26	34,5	5000	Cont.	5245	11565	2550	8'4"	2500	8'2"



51522 SP C



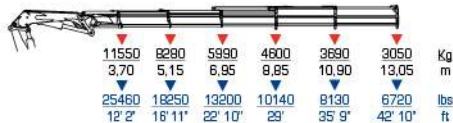
51523 SP C



51524 SP C



51525 SP C



51526 SP C



	tn	ft lbs	l/min	gals/min	Mpa	Psi		kg	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	8990	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



57523 SP



57524 SP



57525 SP



57526 SP



57527 SP



	tn	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



57529 SP



 ST	 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"



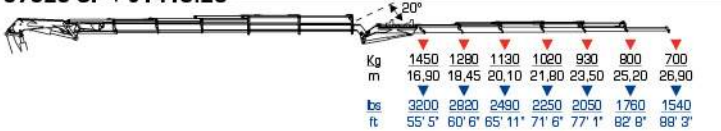
57525 SP + J1414.20



57525 SP + J1415.20



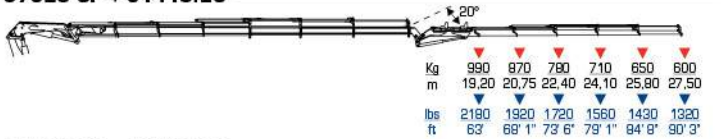
57525 SP + J1416.20



57526 SP + J1414.20



57526 SP + J1415.20



57526 SP + J1416.20



	tn	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		mm		ft		mm		ft	
ST	ST	mm	ft	mm	ft	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



57523 PX



57524 PX











57525 PX



57526 PX



															
	tn	ft lbs	l/min	gals/min	Mpa	Psi	°	kg	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



57523 SP C



57524 SP C



57525 SP C



57526 SP C



	tn	ft lbs	l/min	gals/min	Mpa	Psi	kg	lbs	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"



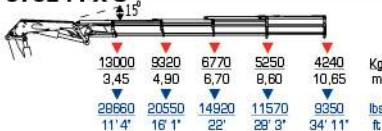
57522 PX C



57523 PX C



57524 PX C



57525 PX C



57526 PX C



	tm	ft lbs	l/min	gals/min	Mpa	Psi	ST	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	340800	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	43,8	317240	40/80	11/21	31,5	4570	385'	5515	12160	2550	8' 4"	2505	8' 3"	1425	4' 8"



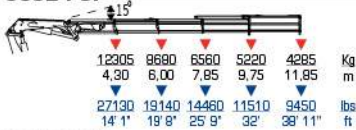
58522 SP



58523 SP



58524 SP



58525 SP



58526 SP



58527 SP










	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



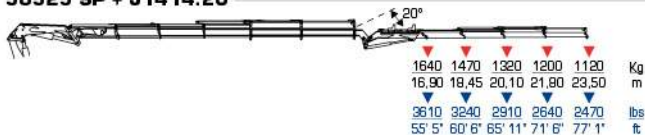
58529 SP



 ST	 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



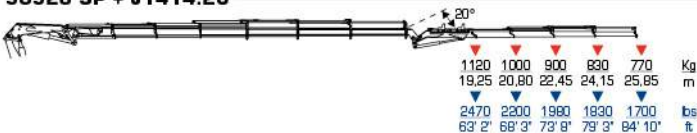
58525 SP + J1415.20



58525 SP + J1416.20



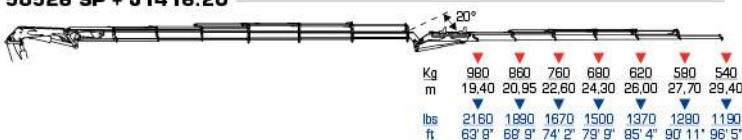
58526 SP + J1414.20



58526 SP + J1415.20



58526 SP + J1416.20



	tn	 ft lbs	 l/min	 gals/min	Mpa	Psi	 Cont.
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



ST	ST	mm	ft	mm	ft	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



58523 SP C



58524 SP C



58525 SP C



58526 SP C



	tm	ft lbs	l/min	gals/min	Mpa	Psi	ST	ST	mm	ft	mm	ft	mm	ft
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 12480	2550	8' 4"	2500	8' 2"	1425	4' 8"



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



65027 SP + J1215.20



65027 SP + J1216.20



65028 SP + J814.20



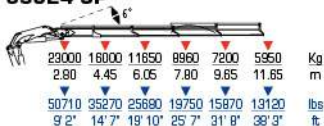
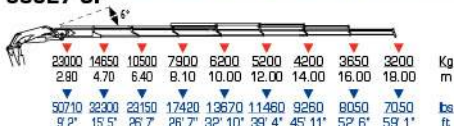
65028 SP + J815.20



	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****85026 SP****85027 SP****85028 SP****85026 SP + J1414.20****85026 SP + J1415.20****85026 SP + J1416.20**

	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



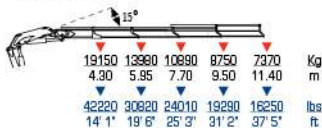
85027 SP + J1416.20



								
	ST	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



100026 SP



100028 SP



100029 SP



100028 SP + J1614.25



100028 SP + J1616.25

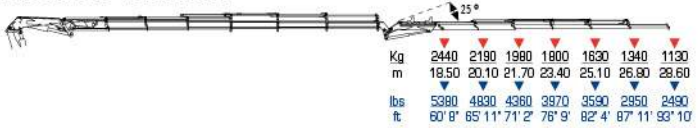


100026 SP + J2414.25



	tn	ft lbs	V/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



	ST	ST	mm	ft	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"		

150029 SP + J2014.25



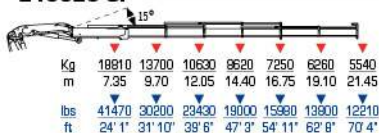
150029 SP + J2016.25



150029 SP + J2416.25











	kg		ft		ft		ft	
	ST	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****210024 SP****210026 SP****210028 SP****210026 SP + J3114.25****210026 SP + J3116.25****210028 SP + J3114.25**

	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

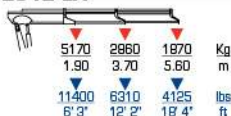
210028 SP + J3116.25



	 kg	 lbs	 mm	 ft	 mm	 ft	 mm	 ft
CONTINUO CONTINUOS CONTINU ENDLOS CONTINUO	ST 9100	ST 20085	2550	8'4"	2840	9'4"	6720	22'05"
	10270	22645	2550	8'4"	2840	9'4"	6720	22'05"
	11240	24780	2550	8'4"	2840	9'4"	6720	22'05"
	12065	26600	2550	8'4"	2840	9'4"	6720	22'05"
	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"



12012 LA



12013 LA



	tn	ft lbs	l/min	gals/min	Mpa	Psi	ST	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



14012 P LA



14013 P LA



	tn	ft lbs	l/min	gals/min	Mpa	Psi	ST	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	75860	30/40	8,11	28	3920	200	1230	2715	2420	7' 11"	2520	8' 3"	720	2' 4"





17012 LA



17013 LA



17014 LA



	tn	ft lbs	l/min	gals/min	Mpa	Psi	ST	ST	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



19013 P LA



19014 P LA

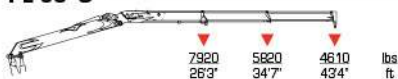


	tn	ft lbs	l/min	gals/min	Mpa	Psi	ST	ST	mm	ft	mm	ft	mm	ft	
19012 P LA	16,4	118410	40/75	11/20	27	3920	400	1690	3730	2450	8' 0"	2500	8' 2"	800	2' 7"
19013 P LA	16,4	118530	40/75	11/20	27	3920	400	1800	3970	2450	8' 0"	2500	8' 2"	800	2' 7"
19014 P LA	15	108880	40/75	11/20	27	3920	400	1920	4235	2450	8' 0"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

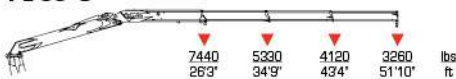
POWER LIFT



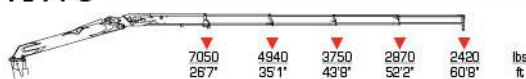
PL 56' S



PL 65' S



PL 74' S



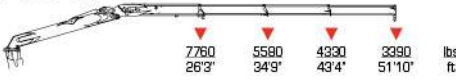
		PL 56' S	PL 65' S	PL 65' S
Maximum lifting moment	ft lbs	208020	195290	187480
Maximum hydraulic reach				
Horizontal	ft	43'10"	52'4"	61'2"
Vertical	ft	56'3"	65'	73'8"
Hydraulic system				
Recommended oil flow	gals/min (USA)	16+16	16+16	16+16
Rated pressure	psi	4570	4570	4570
Tank capacity	gals (USA)	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



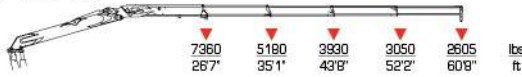
PL 56' SP



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	43'1"	52'4"	61'2"
	Vertical	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 fall tank	lbs	8215	8710	9240
Maximum power absorbed by the hydraulic pump	hp	48	48	48



17022 TP



17023 TP



18522 TP



18523 TP



20522 TP



20523 TP



	tm	ft lbs	l/min	gals/min	Mpa	Psi	°	ST	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"





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 permettono 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 check of 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 maintenance easier.

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

- _le monitoring 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 di-**

- splay** 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 desarrollado de PM, que permite al operador de:

_supervisar completamente el estado de la grúa y los posibles movimientos que se pueden realizar también cuando la maquina está bloqueada 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;

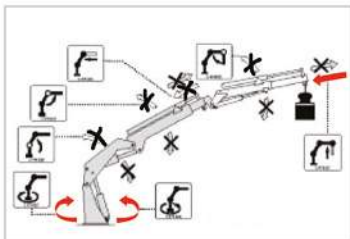
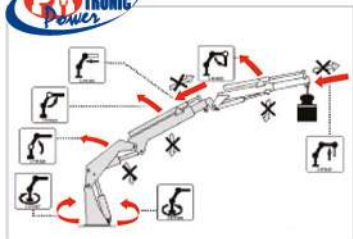
_trabajar en maxima seguridad gracias a

los radiomandos de nueva generación que permiten el máximo 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 télescopiques à l'intérieur d'un 1^{er} 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 télescopique, 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 Einhakupunkt der Säule anzunähern, sehen dagegen vor, den Lauf der Ausleger **einzu-schränken** und somit die Nutzausladung zu verringern. Die Annäherung des Einhakupunktes 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 esfido 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 esfido sino que lo amplía, 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 sfilii 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 sfilii è

garantita la massima sicurezza durante le fasi di trasferimento dell'autocarro.

Nuova funzionalità elettronica JMP.

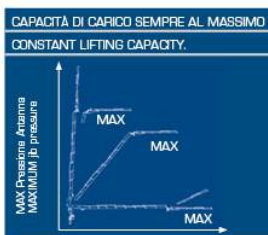
Il nuovo sistema di controllo JMP (JIB Multi Power) ottimizza le prestazioni dell'antenna, mediante una variazione dinamica della pressione massima. L'antenna lavora sempre con la massima pressione possibile, in relazione alla configurazione geometrica della gru.

Jibs with double cylinder links available with up to six hydraulic 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 hydrauliques, est garantie la maxime sécurité 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 Gewichtersparnis 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) Steuerungssystem 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 límite 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

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 declassified 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

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

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.

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.



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 poids lourd. Voilà parce qu'avec le treuil, de nouveau projet, permet une considérable épargne de temps au chauffeur.

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 Ladefähigkeit**, im Unterschied zu den normalen Hydraulikwinden, die im Verhältnis zur Zunahme der Anzahl von Verlängerungen deklassiert werden müssen.

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. Gracias al 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:

Diese, in die PM-Kräne installierte **Betriebssoftware** der Winden der letzten Generation, gewährleistet:

- _ die **maximale Ladefähigkeit** 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.

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

CLASSIC
SILVER
GOLD
PLATINUM

ACCESSORI - ACCESSORIES - ACCESSOIRE - ACCESORIOS - ZUBEHÖR

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

○ Disponibile come accessorio - Available as optional - Disponible comme accessoire - Als Zubehör erhältlich - Disponible como accesorio

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

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

PTT/GW	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							Blue	Blue	Blue					
5,0 ton							Green	Green	Green					
6,0 ton														
6,5 ton										Blue	Blue			
7,5 ton										Green	Green			
8,0 ton												Green	Green	
10,0 ton														Blue
12,0 ton														Green
13,5 ton														Green
15,0 ton														
18,0 ton														
19,0 ton														
26,0 ton														
32,0 ton														

PTT/GW	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	Blue																
12,0 ton	Green	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue								
13,5 ton	Green	Blue	Blue	Blue	Blue	Blue	Blue	Blue	Blue								
15,0 ton	Orange	Green	Green	Green	Green	Green	Blue	Green	Blue	Blue	Blue		Blue				
16,0 ton	Orange	Green	Green	Green	Green	Green	Green	Green	Green	Green	Blue	Green	Blue	Blue	Blue	Blue	Blue
18,0 ton	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Green	Orange	Green	Green	Green	Green
26,0 ton	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange
32,0 ton	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange

PTT: Peso totale a terra - G.V.W. - P.T.A.C. - Peso total del veicolo - 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
ACCOUPLMENT GRUE/VÉHICULE - ACOPLAMIENTO GRÚA CON VEICULO
KRAN ZUSAMMEN MIT LKW

P/T/G/W	21	21.5 S	23 p	23.5 SP	24 PX	26.5 S	27.5S PX	28.5 SP	30.5 SP	32.5 SPK	36.5 S	38.5 SP	40.5 SP	41 S	43
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															
25,0 ton															
32,0 ton															

P/T/G/W	47.5 SP	47.5 SP C	48.5 SP	48.5 SP C	50.5 SP	50.5 PK	50.5 SP C	50.5 PK C	51.5 SP	51.5 SP C	57.5 SP	57.5 PK	57.5 SP C	57.5 PK C	98.5 SP	98.5 SP C	99 SP	99 SP	100 SP	130 SP	210 SP	12-14 LA	17-18 LA	
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																								
25,0 ton																								
32,0 ton																								

P/T/G/W: 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 bivalente con cilindro orizzontale
Clamshell buckets with horizontal cylinder
Bennes preneuses à vérin horizontal
Zweischalengreifer Zweischalengreifer mit liegendem Zylinder
Cuchara bivalva con cilindro horizontal



Benne bivalente 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 grúas 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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