



TEREX **CRANES**

A600



simple, available and cost effective™

www.terex-cranes.com



Crane performance data	
Capacity at 3 m from slewing axis (CE / 85% SAE J765)	60 / 60 t
Boom length (retracted / extended)	10.3 / 32.4 m
Boom head height	35.3 m

Truck performance data ⁽¹⁾	
Max. travelling speed (on 18.00R25 - A600S tyres)	30 km/h
Max. travelling speed (on 23.5R25 - A600L tyres)	30 km/h
Max. travelling speed (on 26.5R25 - A600L tyres)	32 km/h
Max. theoretical ramp during operation (on 18.00R25 - A600S tyres)	170 %
Max. theoretical ramp during operation (on 23.5R25 - A600L tyres)	174 %
Max. theoretical ramp during operation (on 26.5R25 - A600L tyres)	135 %

(1)Standard crane in operating conditions: no auxiliary winch and no extensions

A600S weights ^(2S)		
1 st axle	2 nd axle	Total
18.2 t	21.8 t	40 t

A600L weights ^(2L)		
1 st axle	2 nd axle	Total
18.4 t	22.1 t	40.5 t

(2S)Standard crane: no auxiliary winch and no extensions, on 18.00R25 tyres

(2L)Standard crane: no auxiliary winch and no extensions, on 23.5R25 tyres

Operating speed / times ⁽³⁾	
Main winch (max. speed under direct pull)	150 m/min
Auxiliary winch (max. speed under direct pull)	103 m/min
Telescopic boom lifting / lowering	50 / 40 s
Telescopic boom extension / retraction (10.3 m to 32.4m)	90 / 80 s
Upper structure slewing	30 s
Extension of single outrigger beam	25 s
Extension of single outrigger	35 s

(3)Average reference indicative values

Truck	
Traction/Steering	4x4x4
Frame	With twin body side member. Front tow point (back tow point on request)
Outriggers	no. 4 independent hydraulic outriggers onto hydraulic beams. Outrigger beams can be fully retracted, partially or fully extended. Outrigger controls in the operating cab
Engine	CUMMINS QSB5.9-C: no. 6 in-line cylinders - displacement 5.88 cu dm - water cooling with intercooler - turbo supercharger. Max. power 153 kW at 2200 rpm - Max. torque 929 Nm at 1300 rpm. 97/68/CE Step 2 approved.
Tank	240 l
Transmission	DANA series 32000: Powershift-type transmission with torque converter. 3 + 3 forward speeds and 3 + 3 reverse speed: slow and fast speed mode. Automatic engagement of 4WD after selecting slow speed mode
Brakes	Operating brakes: double-circuit hydro-pneumatic drum brakes on all wheels. Parking / Emergency brake: negative action onto front transmission shaft. Pneumatic spring brake
Axles	no. 2 driving / steering axles equipped with planetary gearboxes into hubs. Rear differential lock (selectable only in 4WD mode). On request, front differential lock
Suspension	Stiff suspension for front axle, swinging suspension for rear axle. Rear suspension is automatically locked by hydraulic jacks if lifting boom is not aligned with centreline within front crane area. Manual stop for rear suspension locking in operating cab
Steering	Hydrostatic steering controlled by steering wheel into the operating cab. Steering of front axle alone or both axles in concentric or crab mode
Tyres	no. 4 18.00R25 tubeless tyres (A600S) and no. 4 23.5R25 tubeless tyres (A600L) On request, no. 4 26.5R25 tubeless tyres (A600L)



Upper structure	
Boom	no. 4 octagonal elements
Lifting	no. 1 double action hydraulic jack Boom inclination: -2° to +78°
Extension	Separate extension of element 2 through double action hydraulic jack. Continuous proportional extension of elements 3 and 4 through double action hydraulic jack and inner chain-driven system. Extension under partial load possible.
Winch	Controlled by double displacement hydraulic motor equipped with axial pistons and planetary gearbox. Automatic negative brake for winch lowering. Cable tensioner. Two different rotation speeds. Rope diameter 18 mm length 200 m. Max. lifting capacity 5300 daN. On request, auxiliary winch controlled by hydraulic motor equipped with axial pistons and planetary gearbox. Automatic negative brake for winch lowering. Rope clamp. Two different rotation speeds. Rope diameter 15 mm length 150 m. Max. lifting capacity 3800 daN
Slewing	360° non-stop rotation controlled by hydraulic motor equipped with planetary gearbox on slewing ring having double ball ring and inner toothing. Automatic negative brake. Brake release for direct alignment of boom along load vertical line
Operating cab	Sliding door. Wide visibility. Equipped with heating system. Front and upper anti-breaking window with windscreen wiper. Upper and back windows can be opened. Fully adjustable seat onto shockproof suspensions. Equipped with tiltable arm rests with integrated hand controls for crane operation.
Safety	Stop valves onto extension / lifting boom jacks and outriggers. Max. pressure valves for each hydraulic circuit. Balancing braking valve for the slewing unit. Balancing braking valve for the winch. Limit switch onto boom head for hoisting block lift. Limit switch for having three winding turns around the winch. Load limiting device with indicator for: Boom inclination Boom length Load weight Max. load which can be lifted

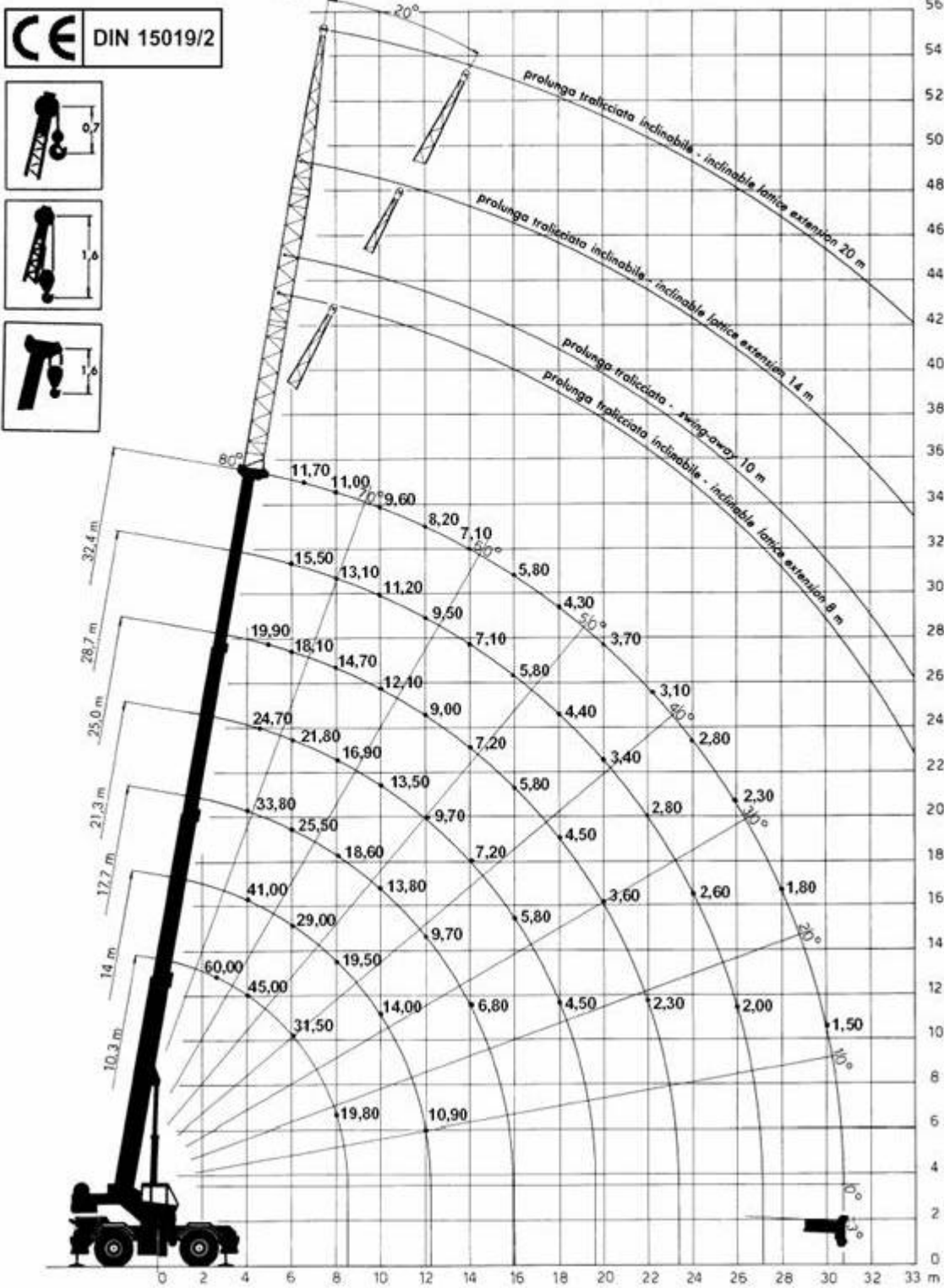
Systems	
Hydraulic system	Feeding: no. 1 double gear pump and no. 1 double vane pump. Movement control: distributors controlled by hydraulic hand controls. More proportional operations can be carried out at the same time. Outrigger control: solenoid valves controlled by separate buttons. Filtering: no. 2 cartridge filters in return circuit Heat exchanger for oil cooling-down
Electric system	24 V, 75 A generator and no. 2 132 Ah batteries Lighting devices in compliance with current EU directives.
Pneumatic system	190 cu cm compressor, no. 2 45 l reservoirs and drier Auxiliary air intake and tyre inflating kit

OPTIONS

Additional pulley onto boom head
“A” jib 1.65 m long
Lattice extension 10 m long
Lattice extension 0.7 m + 7.3 m long
Lattice extension 0.7 m + 7.3 m + 6.0 m long
Lattice extension 0.7 m + 7.3 m + 6 m + 6 m long
Air conditioning / heating system into operating cab
Spare wheel
Operating kit for temperatures up to -20°C
Operating kit for temperatures up to +45°C



Capacità di sollevamento, altezze e raggio
Lifting capacities, heights and radius
Charges, hauteurs et portées
Traglasten / Hubhöhen



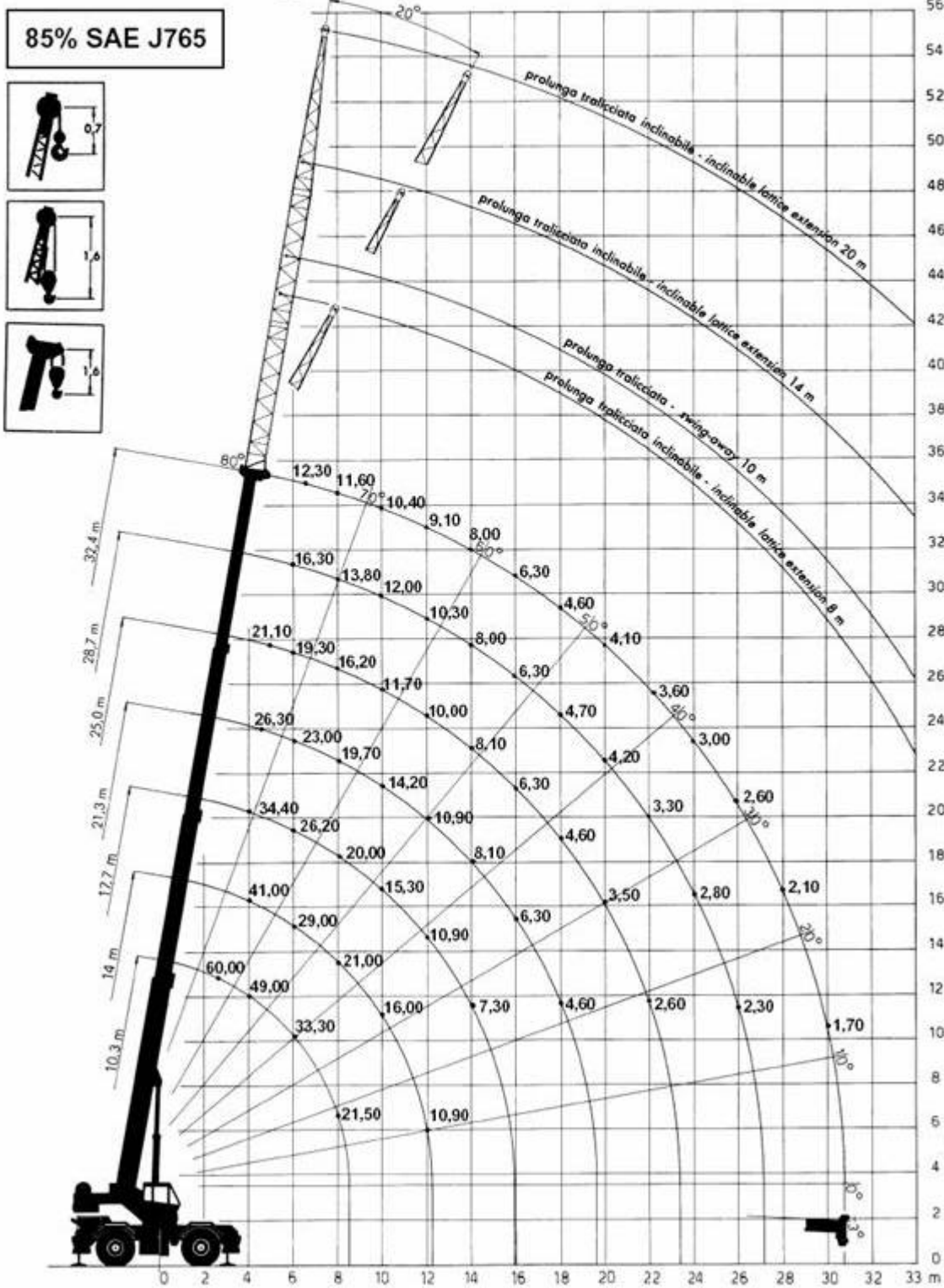


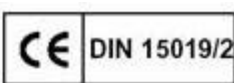
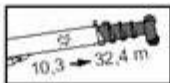
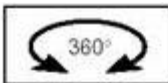
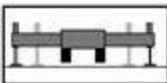
Capacità di sollevamento, altezze e raggio

Lifting capacities, heights and radius

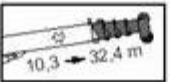
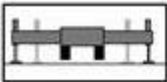
Charges, hauteurs et portées

Traglasten / Hubhöhen



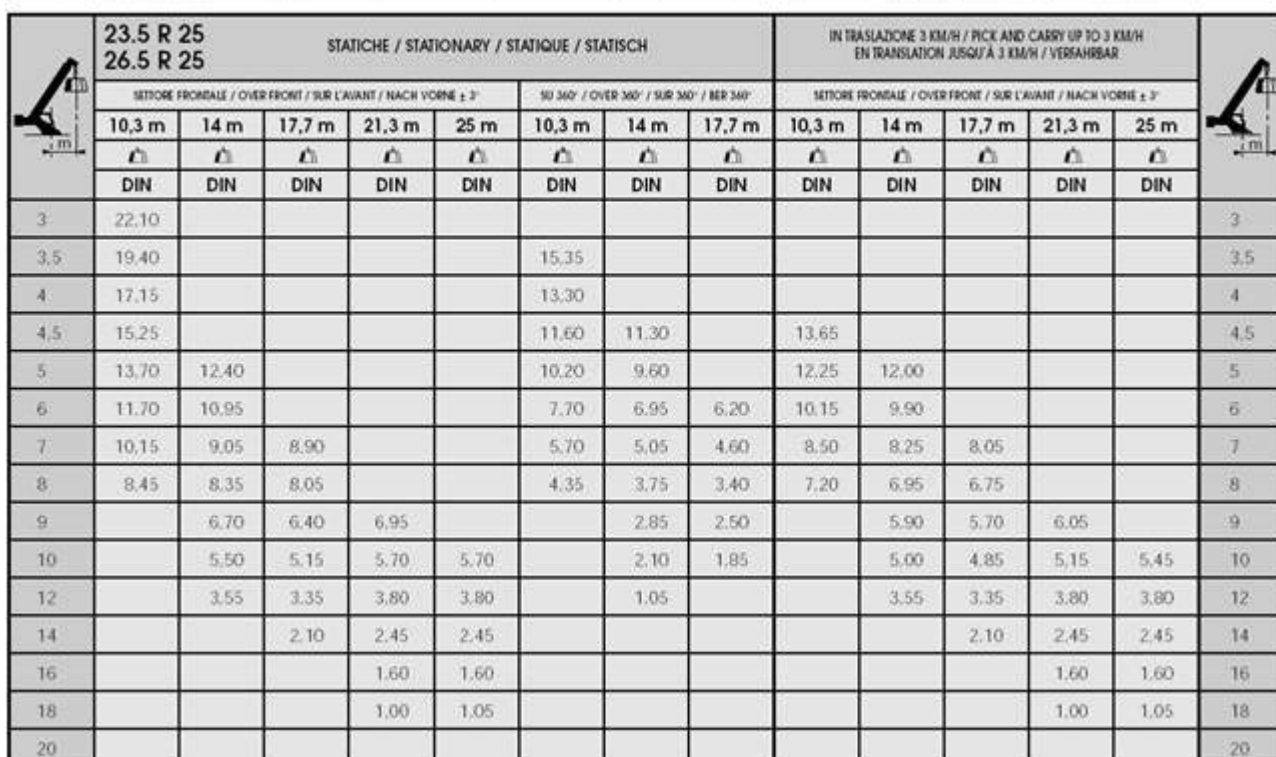
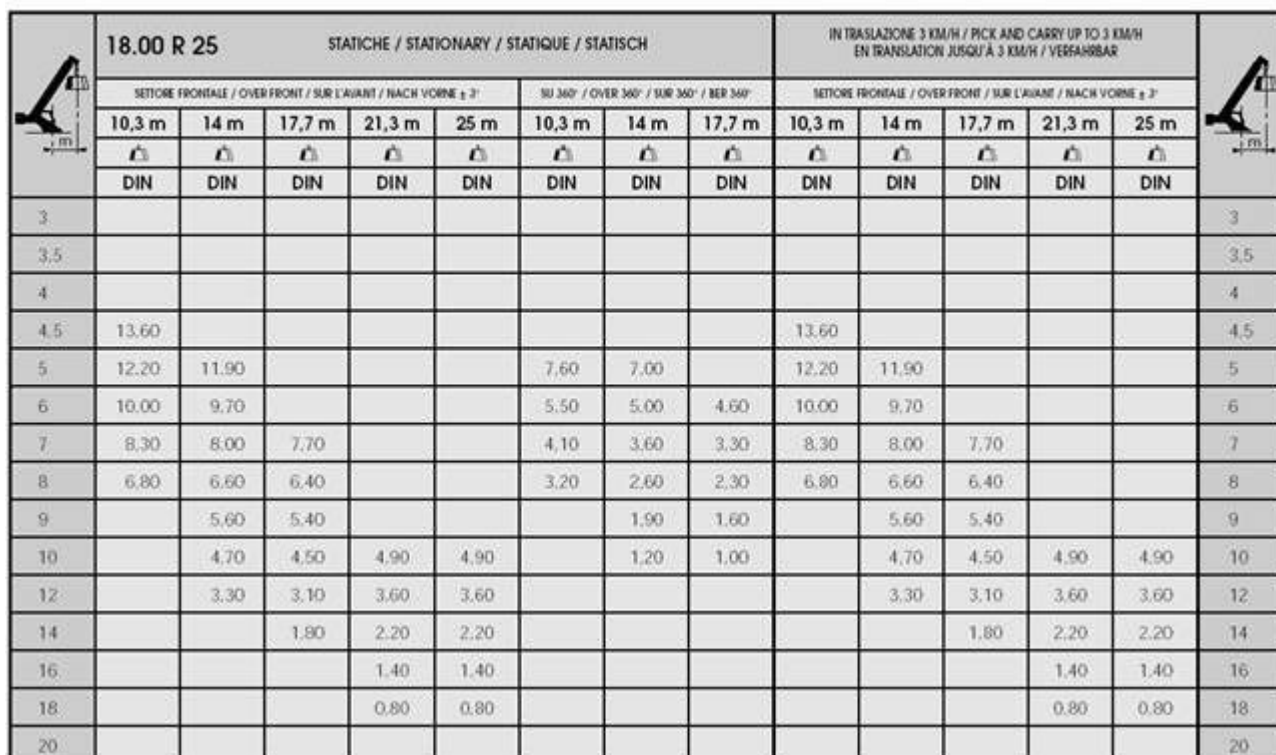


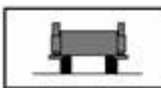
	BRACCIO PRINCIPALE / MAIN BOOM HAUPTAUSLEGER/FLECHE PRINCIPALE							
	10.30	14.00	17.70	21.30	25.00	28.70	32.40	
	DIN	DIN	DIN	DIN	DIN	DIN	DIN	
3	60.00							3
4	45.00	41.00	33.80					4
5	36.00	36.00	28.50	24.70	19.90			5
6	31.50	29.00	25.50	21.80	18.10	15.50		6
7	25.00	24.00	21.50	19.00	16.40	14.40	11.70	7
8	19.80	19.50	18.60	16.90	14.70	13.10	11.00	8
9		17.00	16.80	14.70	13.40	12.30	10.60	9
10		14.00	13.80	13.50	12.10	11.20	9.60	10
12		10.90	9.70	9.70	9.00	9.50	8.20	12
14			6.80	7.20	7.20	7.10	7.10	14
16				5.80	5.80	5.80	5.80	16
18				4.50	4.50	4.40	4.30	18
20					3.60	3.40	3.70	20
22					2.30	2.80	3.10	22
24						2.60	2.80	24
26						2.00	2.30	26
28							1.80	28
30							1.50	30
SECTIONS EXTENDED SECTIONS	1° 0 2° 0 3° 0	1° 50% 2° 0 3° 0	1° 100% 2° 0 3° 0	1° 100% 2° 25% 3° 25%	1° 100% 2° 50% 3° 50%	1° 100% 2° 75% 3° 75%	1° 100% 2° 100% 3° 100%	AUSLEGER SEKTIONEN ELEMENTS TELESCOPES



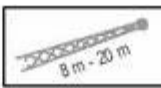
85% SAE J765

	BRACCIO PRINCIPALE / MAIN BOOM HAUPTAUSLEGER/FLECHE PRINCIPALE							
	10.30	14.00	17.70	21.30	25.00	28.70	32.40	
	85%	85%	85%	85%	85%	85%	85%	
3	60.00							3
4	49.00	41.00	34.40					4
5	38.50	36.00	29.70	26.30	21.10			5
6	33.30	29.00	26.20	23.00	19.30	16.30		6
7	26.50	25.00	22.60	20.30	17.50	14.90	12.30	7
8	21.50	21.00	20.00	17.90	16.20	13.80	11.60	8
9		19.00	18.00	15.50	15.00	12.80	11.20	9
10		16.00	15.30	14.20	11.70	12.00	10.40	10
12		10.90	10.90	10.90	10.00	10.30	9.10	12
14			7.30	8.10	8.10	8.00	8.00	14
16				6.30	6.30	6.30	6.30	16
18				4.60	4.60	4.70	4.60	18
20					3.50	4.20	4.10	20
22					2.60	3.30	3.60	22
24						2.80	3.00	24
26						2.30	2.60	26
28							2.10	28
30							1.70	30
SECTIONS EXTENDED SECTIONS	1° 0 2° 0 3° 0	1° 50% 2° 0 3° 0	1° 100% 2° 0 3° 0	1° 100% 2° 25% 3° 25%	1° 100% 2° 50% 3° 50%	1° 100% 2° 75% 3° 75%	1° 100% 2° 100% 3° 100%	AUSLEGER SEKTIONEN ELEMENTS TELESCOPES

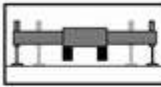




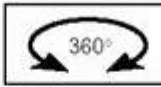
Portate su pneumatici
Free on wheels
Charges sur pneus
Auf Reifen



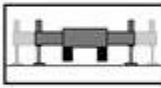
Prolunghe 8 m - 20 m
8 m - 20 m extension
Extension 8 m - 20 m
Verlängerung 8 m - 20 m



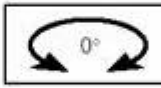
Stabilizzatori compl. estesi
Outriggers fully extended
Stabilisateurs en extension totale
Abstützungen voll ausgefahren



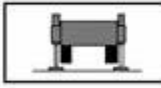
Rotazione su 360°
Over 360° slewing
Rotation sur 360°
Schwenkbereich 360°



Stabilizzatori parz. estesi
Outriggers half-extended
Stabilisateurs en extension partielle
Abstützungen halb ausgefahren



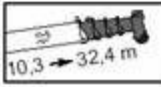
Settore frontale
Over front
Sur l'avant
Nach vorne



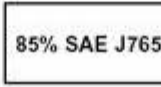
Stabilizzatori chiusi
Outriggers unextended
Stabilisateurs au ras du chassis
Abstützungen nicht ausgefahren



Portata a norme CE (vedere note)
The rated loads are in accordance with CE chart (see notes)
Charges conformes à la réglementation CE (voir notes)
Traglasten entsprechend E.G. Bestimmungen (Siehe Hinweise)



Braccio telescopico da 10,3 a 32,4 m
Telescopic boom from 10,3 m to 32,4 m
Flèche télescopique de 10,3 m à 32,4 m
Hydraulischer Ausleger von 10,3 m bis 32,4 m



Portata a norme SAE 85% (vedere note)
The rated loads are in accordance with SAE 85% chart (see notes)
Charges conforme à la réglementation SAE 85%
Traglasten entsprechend SAE Bestimmungen (Siehe Hinweise)

Taglie di sollevamento / Hoist reeving / Mouflage / Hubrollen

N° di taglie / No. of hoists Nbr. de brins / Seilanzahl	1	2	3	4	5	6	7	8	9	10	11	12
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Aregano principale / Main winch / Treuil principal / Hauptwinde

Carico massimo in kN Max line pull in kN Charges maxi en kN Höchstlast in kN	53	103	159	212	265	318	371	424	477	530	583	636
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Aregano ausiliario / Auxiliary winch / Treuil auxiliaire / Zusatzwinde

Carico massimo in kN Max line pull in kN Charges maxi en kN Höchstlast in kN	38	76	114	152	190	228	266	304	342	380	418	456
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Note

I carichi indicati costituiscono i valori massimi coperti dalla garanzia del costruttore per utilizzo rispettivamente secondo le norme della Unione Europea (CE) o secondo la norma SAE J765. Sono espressi in tonnellate metriche ed includono il peso del bozzello, delle eventuali prolunghe applicate al braccio e di tutti gli accessori di sollevamento (brache, ecc.)

Le operazioni di sollevamento nella configurazione su gomme devono essere effettuate su superficie piana e solida con la corretta pressione di gonfiaggio degli pneumatici e con l'oscillazione dell'assale posteriore bloccata qualora l'operazione non avvenga con braccio entro un settore di +/- 3° rispetto all'asse di mezzzeria della autogrù.

Le operazioni di traslazione con carico possono avvenire esclusivamente con braccio allineato all'asse di mezzzeria della autogrù, perno di bloccaggio meccanico della rotazione della sovrastruttura inserito e avendo cura di mantenere il carico stesso in prossimità della autogrù senza oscillazioni.

Notes

The indicated loads are the maximum covered by the manufacturer's warranty for a use which complies with current EU directives (CE) or SAE J765 standard. Weights are given in metric tons. They include the weight of the block, all extensions fitted to the boom and all lifting accessories (slings and so on).

Crane on wheels: operate the crane on a steady flat surface when hoisting loads and inflate tyres at proper pressure value. Also stop rear axle swinging if the load cannot be lifted having the arm within a +/-3° sector to the crane centreline.

The load can be travelled only if the boom is aligned with the crane centreline, the shaft for upper structure rotation stop is fitted and the load is kept close to the crane and is not swinging.

Notes

Les charges indiquées constituent les valeurs maximales couvertes par la garantie du fabricant pour une utilisation conforme aux normes de l'Union Européenne ou selon la norme SAE J765. Elles sont exprimées en tonnes métriques et comprennent le poids de la moufle, des éventuelles extensions appliquées à la flèche et de tous les accessoires de levage (élingues, etc.).

Les opérations de levage dans la configuration sur pneus doivent être effectuées sur une surface plane et solide avec une pression de gonflage des pneus correcte et l'oscillation de l'essieu arrière bloquée si l'opération n'a pas lieu avec la flèche située dans une zone de +/- 3° par rapport à l'axe de moitié du camion-grue.

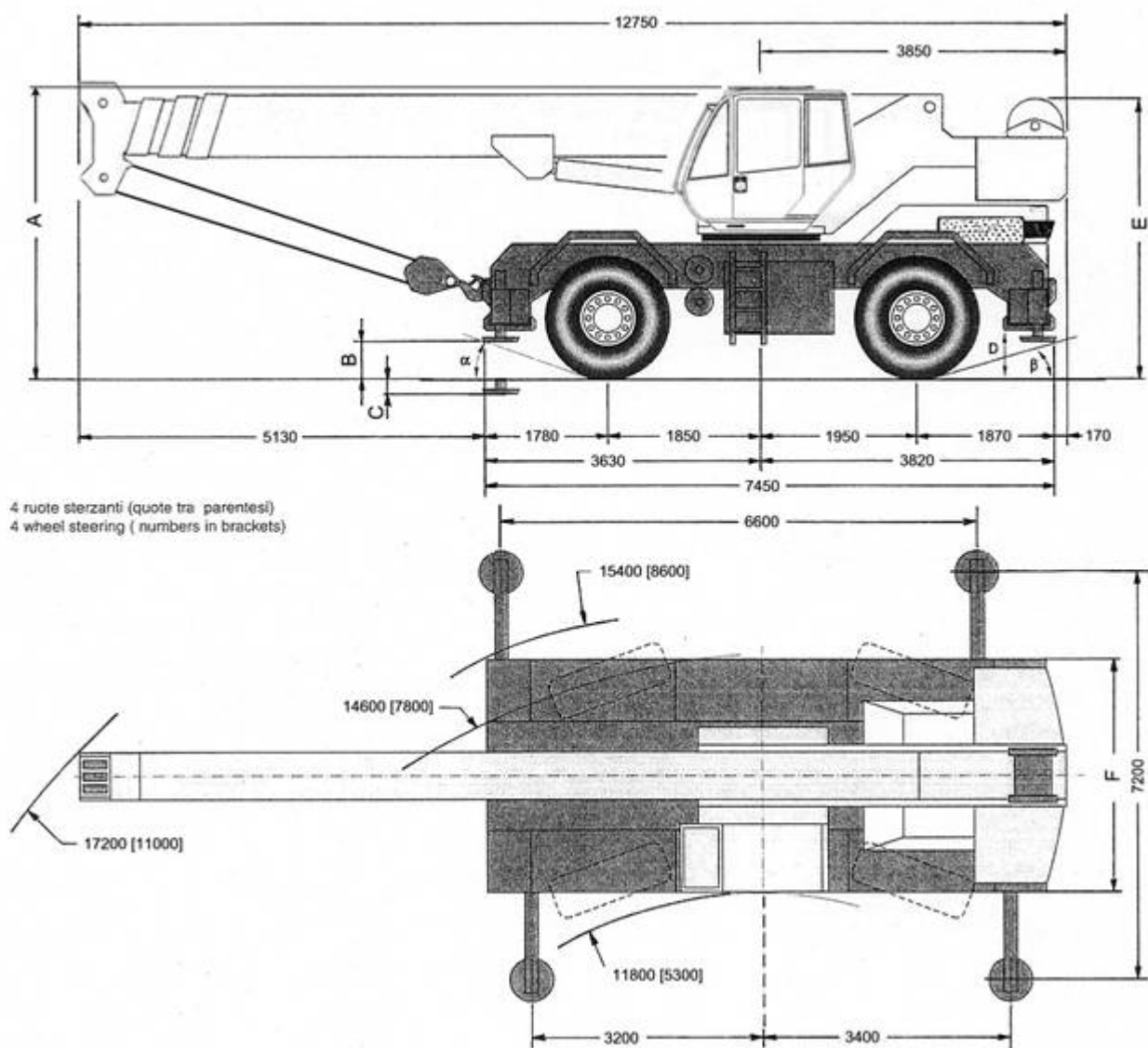
Les opérations de translation avec charge ne peuvent être effectuées qu'avec flèche alignée dans l'axe de moitié du camion-grue, goujon de blocage mécanique de la rotation de la structure du dessus enclenché et en prenant soin de maintenir la charge à proximité du camion-grue sans oscillations.

Hinweise

Die angegebenen Lasten sind die Grenzwerte, für welche die Herstellergarantie bei Einsatz gemäß den Normen der Europäischen Union (EU) oder nach der Norm SAE J765 gültig ist. Die Grenzwerte sind in Metertonnen ausgedrückt, das Gewicht des Blocks, eventueller am Ausleger angebrachter Verlängerungen und jeglicher Hebezubehörteile (Schlingen usw.) ist inbegriffen.

Hebearbeiten mit bereiftem Kran müssen auf einer ebenen und festen Oberfläche erfolgen; die Reifen müssen richtig befüllt und die Hinterachse festgestellt sein, wenn der Ausleger außerhalb eines Bereichs von +/- 3° im Verhältnis zur Mittelachse des fahrbaren Krans gehoben wird.

Transportarbeiten mit belastetem Ausleger sind ausschließlich erlaubt, wenn der Ausleger an der Mittelachse des Krans angereicht ist, der mechanische Verriegelungszapfen, der die Drehung des Oberwagens verhindert, eingerastet ist und die Last ohne zu schwingen in Nähe des Krans behalten wird.



Dimensioni / Dimensions / Dimensions / Abmessungen⁽⁴⁾

Pneumatici / Tyres Pneumatiques / Reifen	A	E	C	B	D	a	b	F
18.00R25	3620	3630	200	335	560	18°	16°	2550
23.5R25	3570	3580	200	290	520	20°	18°	3000
26.5R25	3650	3660	130	325	550	22°	20°	3000

(4) Dimensioni medie di riferimento fornite a puro titolo indicativo. Valori espressi in millimetri

(4) Average reference values, which are indicative only. Values are expressed in mm

(4) Dimensions moyennes de référence fournies à titre purement indicatif. Valeurs exprimées en millimètres

(4) Durchschnittsmaße; dienen ausschließlich als Richtwerte. Die Werte sind in Millimetern ausgedrückt

Note	Notes	Notes	Hinweise
Tutte le caratteristiche e le specifiche descritte possono essere soggette a variazioni senza preavviso. Tutti i dati riportati sono forniti a puro titolo informativo e non sono impegnativi dal momento che le prestazioni della macchina variano in funzione dell'utilizzo. La sola garanzia applicabile è quella fornita da TEREX Italia per i propri prodotti	All specifications and features herein described can be changed without prior advice. All indicated data are indicative only and are not binding as crane performs differently depending on its use. Only the warranty terms granted by TEREX Italia for their products can be applied.	Toutes les caractéristiques et spécifications décrites peuvent être sujettes à variations sans préavis. Toutes les données indiquées sont fournies à titre purement indicatif et n'engage pas la responsabilité du fabricant dans la mesure où les performances de la machine varient en fonction de l'utilisation. La seule garantie applicable est celle fournie par TEREX Italia pour ses propres produits.	Unangekündigte Änderungen sämtlicher Eigenschaften und Daten sind möglich. Alle Angaben sind Richtwerte und nicht verbindlich, da die Leistungen der Vorrichtung von deren Einsatz abhängen. Die einzige gültige Garantie ist jene der Firma TEREX Italia für die von dieser hergestellten Produkte.



ISO 9001 - Cert. 115/1



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