LOCATELLI
CRANE

GRIL 8800T
HEAVY DUTY

GRIL 8800T

CAMION

SASIU
Cadru sudat, construit din materiale cu rezistenta superioara.

STABILIZATORI HIDRAULICI
Hidraulici independenti cu 4 clilindri cu iesire orizontala si 4 cilindri verticali cu valve de blocare.
Picioare de sprijin demontabile.
Comenzi electrohidraulice cu posibilitate de iesire partiala actionate de cabina de pilotaj.

MOTOR
CUMMINS QSB 6.7 cilindri diesel turbo intercooler cu control electronic si racire cu apa. Putere max 164 Kw cu 2.200 rotatii /min.
Cuplu max 949 Nm la 1.500 rotatii/min. Filtru uscat de admisie a aerului cu cartus de siguranta si indicator de colmatare. Capacitate rezervor carburant 300 l.

TRANSMISIE
Convertor de cuplu si schimbator ''power shift" cu 6 trepte inainte si 6 trepte marsalier.

POMPE HIDRAULICE
La pinion – una simpla si una dubla actionata de PTO pe convertor si motor.
Sarcina totala 620l/min la capacitate maxima. Capacitate rezervor 1000l.

AX
Anterior: conducere/ ax directie cu diferential si reductii planetare montate rigid pe sasiu. Posterior:conducere/ax directiee cu blocaj diferential si reductii planetare, oscilante pentru utilizare off-road. Blocare automata a oscilatiei axului posterior pentru lucrari pe pneuri.

DIRECTIE
Anterioara: actionata hidraulic cu comanda volan.
Posterioara: independenta, hidraulica, cu indicator de aliniere a rotielor posterioare.
Patru posibilitati de directie: numai roti anterioare; roti posterioare; coordonata; cu crab. Blocaj mecanic al directiei posterioare pentru mersul pe strada.

FRANE
De serviciu/urgenta: cu actionare hidropneumatica cu circuit independent.
Comanda cu pedale care actioneaza pe toate rotile.
De stationare : cu cilindru cu arc pe toate rotile.

PNEURI
26.5 x 25 - tip off road, montate individual.

INSTALATIE ELECTRICA
De pornire si iluminare la 24 Volti conform cu normativa CE.

TURELA MACARA

STRUCTURA TURELA
Construita cu placi si profile din otel cu rezistenta superioara.

BRAT TELESCOPIC
Cu 5 sectiuni.
Brat cu extindere integral hidraulica si partial sincronizat de la 10.5m la 40.5m.
Inaltime maxima cap brat 44.0 m.

ROTATIE TURELA
Rotatie continua la 360°. Motor hidraulic cu reductor cu reductie tripla epicicloidala.
Frana de rotatie automata cu discuri multiple.
Sistem de rotate libera.
Roata/pinion zimtat extern.
Blocare pneumatica a totatiei cu comanda din cabina de pilotaj.

TROLIU
Hidraulic cu 2 viteze.
Motor hidraulic cu pistoane 2 viteze cuplat la reductor cu dubla reductie epicicloidala. Tambur canelat.
Frana automata cu discuri multiple si valva de contrabalansare.

CABINA(Inclinabila 20°)
Construita din otel si suspendata elastic pe partea stanga a turelei.
Vizibilitate panoramica completata de ferestre mari de siguranta.
Scaun operator culisant si reglabil in sus si jos.

COMENZI MACARA
Manipulatori montati pe bratele scaunului operator prin comanda independenta sau simultana cu miscarea macaralei.
Butoane electrice pentru comanda stabilizatori, si rotatie libera.

DISTRIBUITORI
Distribuitorii hidraulici individuali garanteaza combinarea simultana a miscarilor macaralei. Sistem centralizat pentru control presiune hidraulica.

COMENZI MISCARI MACARA
Volan inclinabil pentru comanda directie roti anterioare.
Buton electric pentru directie independent pentru rotile posterioare.
Selector pentru schimbator de viteza, schimbare directie si frana de parcare.
Buton electric pentru comanda mers incet si rapid cu actionare automata pentru 2/4 roti conducatoare. Instrumente diagnoza motor.

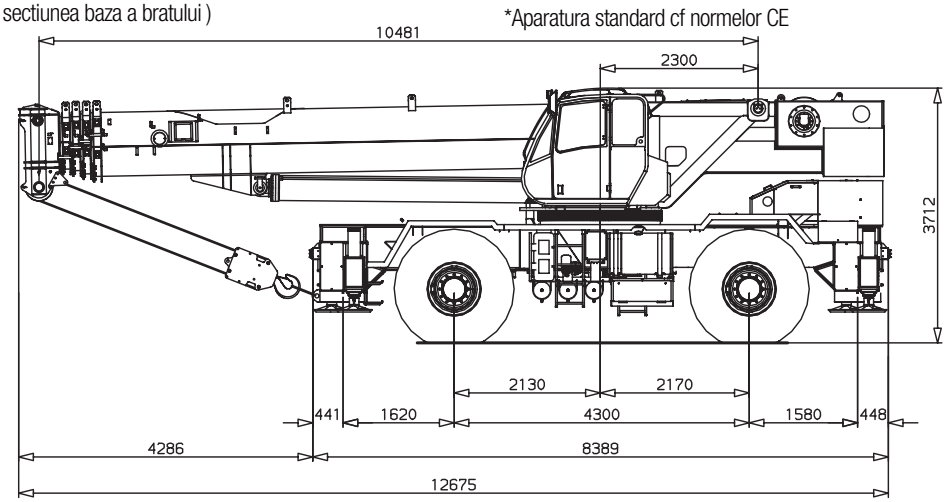
DISPOZITIVE DE SIGURANTA
Limita urcare si coborare carlig. Valve de blocare pe toti cilindrii hidraulici.
Valve de presiune maxima pe totate circuitele hidraulice.

CONFIGURARE STABILIZATORI

ACCESORII LA CERERE

- Extensie cu traseu electric inclinabila de 9 m
- Extensie telescopica inclinabila de la 10.0 la 17.5 m
- Carlig cu bila 5.000 kg
- Bloc cu 1 scripete de 15.000 kg
- Troliu auxiliar tiraj 4.000 kg
- Far de lucru (cabina si sectiunea baza a bratului)
- Radiocomanda
- Indicator electronic de sarcina *
- Dispozitiv reducere miscari *
- Incalzire independenta cabina *
- Aer conditionat
- Roata de rezerva 23.5x25

*Aparatura standard cf normelor CE



Dimensioni (mm)

CHASSIS

CHASSIS
Heavy duty, all welded box type section frame.

OUTRIGGERS
4 independent hydraulically operated telescopic outrigger beams with vertical hydraulic jacks and lock valves. Removable floats. Electro-hydraulic controls with partial extension facility controlled from the cab.

ENGINE
CUMMINS QSB 6.7, six cylinders turbocharged intercooler diesel engine, electronically controlled and water cooled.
Max power 164 kW at 2.200 rpm. Max torque 949 Nm at 1.500 rpm. Dry type air cleaner with safety cartridge and service indicator. Fuel tank capacity 300 L .

TRANSMISSION
Engine mounted torque converter driving an electro-hydraulically controlled power shift transmission having 6 forward and 6 reverse speeds.

HYDRAULIC PUMPS
Five gear type hydraulic pump system, driven from power-take-offs mounted on torque converter and engine. Total pumps capacity 620 L/min. Oil tank capacity 1000 L.

AXLES
Front: driving/steering axle with differential and planetary reduction solidly mounted to frame.
Rear: driving/steering with differential lockout and planetary reduction, pivot mounted. Automatic rear axle oscillation lockout.

STEERING
Front: hydraulically powered steering controlled by steering wheel.
Rear: independent hydraulically powered steering with rear wheel alignment indicator. Four steering modes: only front, only rear, coordinated and crab steering.

BRAKES
Service and emergency: compressed air over hydraulic pressure dual independent braking system, foot operated on all wheels.
Parking: disc type, spring set, air released brake actuator acting on front axle.

TYRES
26.50 x25 – earthmover type, single mounted front and rear.

ELECTRICAL EQUIPMENT
24 V starting and lighting equipment according to EC traffic regulations

SUPERSTRUCTURE

SUPERSTRUCTURE FRAME
Fabricated from high tensile steel plate.

BOOM
5 sections from 10,5 m to 40,5 m, full power partially synchronized telescoping boom. Power supplied by a double action-double extension hydraulic cylinder and extension and retraction cables. Max. height at the head boom 44,0 m.

BOOM ELEVATION
Single double-acting hydraulic cylinder. Elevation from -2° a + 81°.

SLEW
360° continuous rotation. Hydraulic motor driving slewing pinion through planetary triple reduction unit. Spring applied, hydraulically released multidisc type slew brake. Free swing device. External gear teeth slew ring. Automatic positive slew lock controlled from operator's cab.

MAIN HOIST
Hydraulic, two speeds. Twin piston type hydraulic motor driving grooved hoist "Lebus" drum through double reduction gear unit.
Spring applied, hydraulically released fail-safe hoist brake and counterbalance valve.

OPERATOR'S CAB (RECLINING MAX 20°)
Turntable and reclining (max 20°) mounted on rubber grommets, left hand drive, enclosed, all steel construction with safety glass and operator's seat on slides with height and rake adjustment.

CRANE CONTROLS
Armrest mounted joysticks for independent or simultaneous operation of crane motions; electric switches for control of outriggers, fast hoist speed and free swing.

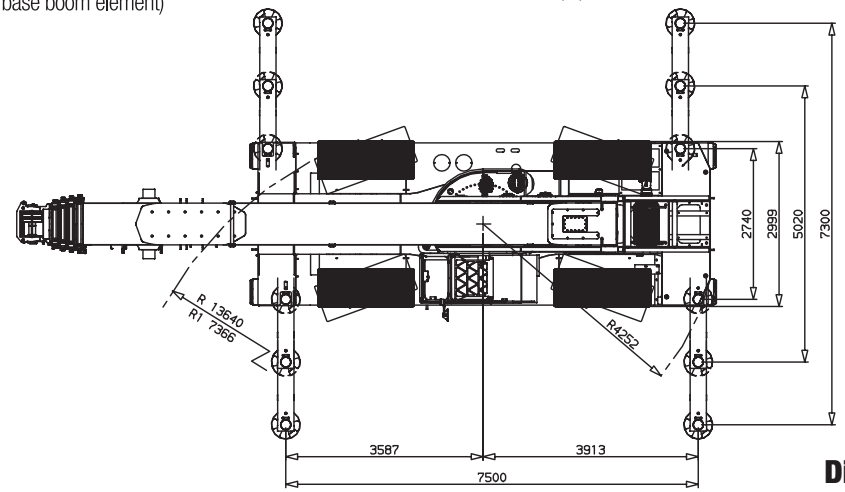
CONTROL VALVES
Individual valve banks permitting simultaneous independent control of multiple crane functions. Centralized system for hydraulic pressure control.

TRAVEL CONTROLS
Adjustable steering wheel for control of front steering axle. Electric switch for independent steering of rear axle. Trasmission gear selection, forward-reverse shift and parking brake control. Control switch for high-low range speeds with automatic 2 or 4 wheel drive selection. Master gauge for engine diagnostic.

SAFETY DEVICES
Overhoist and overlower limit switches; lock valves on all cylinders; hydraulic overload valves on all systems.
Outrigger extension sensing system.

MAIN OPTIONAL EQUIPMENT
- 9,0 m offsetable lattice extension
- 10,0 m - 17,5 m telescopic offsetable extension
- Single hook 5.000 kg
- Hookblock 15.000 kg
- Auxiliary hoist, max line pull 4.000 kg
- Working lights (on cabin and base boom element)
- Remote control
- Motion cut equipment*
- Electronic safe load indicator*
- Independent cab heather/defroster*
- Air conditioned
- Spare tyre

*Standard equipment for CE machine



R1:
4 roti directoare
4 wheels steered

Dimensiuni (mm)

CAPACITATI RIDICARE BRAT PRINCIPAL - LIFTING CAPACITIES TELESCOPIC BOOM

10,5 m – 40,5 m

100 %

360°

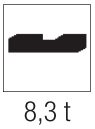
8,3 t

	10,5 m	14,2 m	17,2 m	18,0 m	21,8 m	25,5 m	29,5 m	33,0 m	36,7 m	40,5 m	
3,0	75,0	67,8	64,2	52,6	34,9						**3,0**
3,5	63,7	61,9	58,8	48,1	35,1	34,9					**3,5**
4,0	58,5	56,9	54,1	44,3	35,3	35,0	32,2				**4,0**
4,5	54,1	52,6	54,1	41,0	35,5	33,0	29,7	26,1			**4,5**
5,0	50,3	48,6	46,7	38,2	35,8	31,1	27,5	24,5			**5,0**
6,0	44,1	42,6	41,0	37,5	33,3	27,7	23,9	21,8	19,4	15,0	**6,0**
7,0	36,3	35,8	33,2	33,1	30,9	24,0	21,2	19,4	17,4	13,7	**7,0**
8,0	27,6	27,2	26,9	26,1	24,8	22,7	18,9	17,3	15,8	12,6	**8,0**
9,0		21,7	21,5	21,4	19,8	19,6	17,0	15,6	14,3	11,7	**9,0**
10,0		18,0	17,9	17,9	17,0	16,4	15,3	14,3	13,1	11,0	**10,0**
11,0		15,2	15,2	15,2	15,1	14,0	13,1	12,8	12,1	10,4	**11,0**
13,0			11,7	11,8	12,0	11,2	11,4	10,7	10,5	9,6	**13,0**
15,0				9,1	9,3	8,9	8,7	8,8	8,1	7,9	**15,0**
17,0					7,4	7,5	6,8	7,0	6,5	6,2	**17,0**
19,0					6,0	6,1	5,9	5,6	5,5	4,9	**19,0**
21,0						5,0	5,0	4,5	4,5	3,9	**21,0**
23,0						4,1	4,2	4,0	3,7	3,1	**23,0**
25,0							3,5	3,5	3,0	2,4	**25,0**
27,0							2,9	2,9	2,4	1,9	**27,0**
29,0								2,4	1,9	1,4	**29,0**
31,0									1,5	1,1	**31,0**
33,0									1,2	0,7	**33,0**
35,0										0,9	**35,0**
37,0										0,7	**37,0**

10,1 m - 40,5 m

100 %

360°

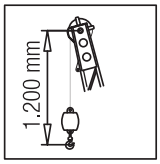


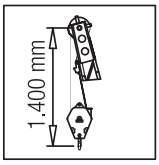
8,3 t

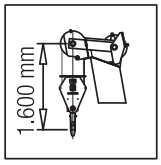
85%

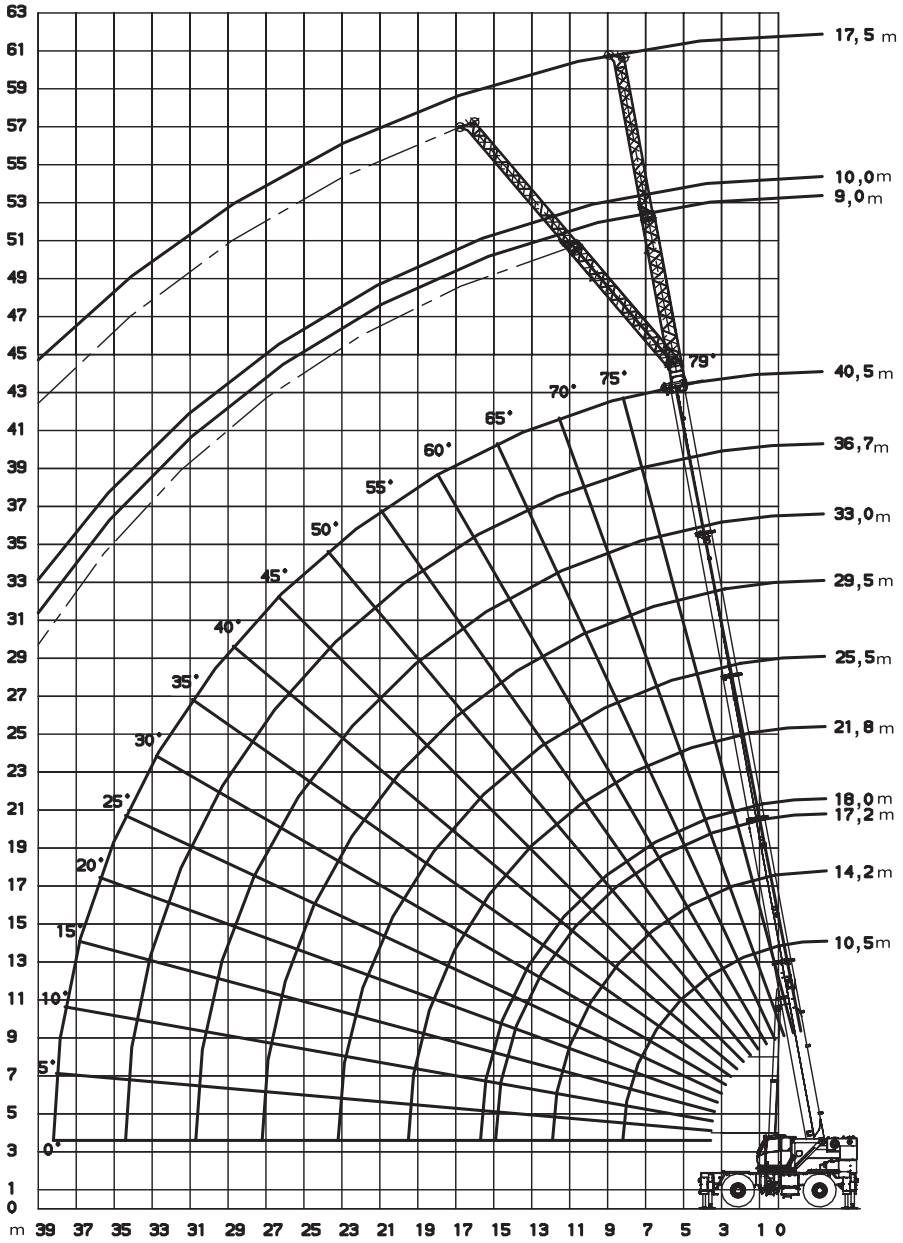
	10,5 m	14,2 m	17,2 m	18,0 m	21,8 m	25,5 m	29,5 m	33,0 m	36,7 m	40,5 m	
2,5	82,0										**2,5**
3,0	75,0	67,8	64,2	52,6	34,9						**3,0**
3,5	63,7	61,9	58,8	48,1	35,1	34,9					**3,5**
4,0	58,5	56,9	54,1	44,3	35,3	35,0	32,2				**4,0**
4,5	54,1	52,6	54,1	41,0	35,5	33,0	29,7	26,1			**4,5**
5,0	50,3	48,6	46,7	38,2	35,8	31,1	27,5	24,5			**5,0**
6,0	44,1	42,6	41,0	37,5	33,3	27,7	23,9	21,8	19,4	15,0	**6,0**
7,0	36,3	35,8	33,2	33,1	30,9	24,0	21,2	19,4	17,4	13,7	**7,0**
8,0	27,6	27,2	26,9	26,1	24,8	22,7	18,9	17,3	15,8	12,6	**8,0**
9,0		23,8	21,5	21,4	19,8	19,6	17,0	15,6	14,3	11,7	**9,0**
10,0		19,8	19,7	17,9	17,0	16,4	15,3	14,3	13,1	11,0	**10,0**
11,0		16,8	16,7	16,7	15,1	14,0	13,1	12,8	12,1	10,4	**11,0**
13,0			12,9	12,9	13,2	11,2	11,4	10,7	10,5	9,6	**13,0**
15,0				10,0	10,2	8,9	8,7	8,8	8,1	7,9	**15,0**
17,0					8,1	7,5	6,8	7,0	6,5	6,2	**17,0**
19,0					6,5	6,7	5,9	5,6	5,5	4,9	**19,0**
21,0						5,4	5,0	4,5	5,0	3,9	**21,0**
23,0						4,5	4,6	4,0	4,0	3,8	**23,0**
25,0							3,8	3,5	3,3	3,0	**25,0**
27,0							3,2	3,2	2,7	2,4	**27,0**
29,0								2,7	2,1	1,8	**29,0**
31,0									1,7	1,4	**31,0**
33,0									1,3	1,0	**33,0**
35,0										0,6	**35,0**
37,0										0,9	**37,0**

DIAGRAMA DE LUCRU- WORKING DIAGRAM









NOTE LA CAPACITATILE DE RIDICARE

- Capacitatile de ridicare tabulate sunt conforme cu standardele CE.
- Capacitatile de ridicare sunt prezentate in tone metrice.
- Ponderea carligului, extensiilor, troliu si toate dispozitivele auxiliare de ridicare trebuie sa fie deduse din capacitatile de ridicare pentru a obtine sarcina neta care poate fi ridicata.
- Razele de lucru se masoara de la axa de rotire.
- Pentru lungimi de brat si/sau raze care nu sunt enumerate utilizati cea mai mica sarcina data pentru urmatoarea lungime de brat mai mare si/sau raza.
- Capacitatile pe stabilizatori sunt valabile numai in cazul in care toate grinzile de stabilizatori sunt complet extinse si macaraua nivelata cu precizie pe o suprafata de sprijin ferma
- Capacitatile de pe anvelope sunt valabile numai in cazul in care pneurile sunt umflate la presiunea recomandata si macaraua functioneaza pe o suprafata plana, solida si orizontala:

- pentru capacitatile de 360° statice, oscilatiile axului spate trebuie sa fie blocate.
- pentru sarcinile fontale trebuie sa fie adaugata blocarea rotatiei si mersul cu incarcatura suspendata trebuie sa se faca cu incar catura usor ridicata de la pamant, evitand oscilatiile incarcaturii

NOTES TO LOAD CHARTS

- The tabulated lifting capacities comply with the CE standards.
- Lifting capacities are given in metric tons.
- The weight of the hookblocks, boom extensions, sling and all auxiliary lifting devices must be deducted from the lifting capacities to obtain the net load to be lifted.
- Working radii are measured from the slewing centreline.
- For boom lengths and/or radii not listed use the smallest load given for the next longer boom length and/or radius.
- The capacities on outriggers are valid only if all outrigger beams are fully extended and the crane accurately levelled on a firm supporting surface.
- The capacities on tyres are valid only if the tyres are inflated to the recommended pressure and the crane works on a flat, solid and horizontal surface:
- for 360° static capacities the rear axle oscillation must be locked.
- for over front travelling capacities the swing lock pin must be fully engaged and the travel with suspended load should be carried out with the load little raised from the ground, close to the crane and avoiding load oscillations.

10,5 m – 29,5 m

26.50 x 25

360°

8,3 t

CE

	10,5 m	14,2 m	18,0 m	21,8 m	25,5 m	29,5 m	
3,0	21,0						**3,0**
3,5	18,6						**3,5**
4,0	16,1	16,5					**4,0**
4,5	14,1	14,5					**4,5**
5,0	12,3	12,8					**5,0**
6,0	9,4	9,9	9,5	9,4			**6,0**
7,0	7,4	7,9	7,6	7,5			**7,0**
8,0	5,8	6,4	6,1	5,9	5,4		**8,0**
9,0		5,2	4,9	4,7	4,3		**9,0**
10,0		4,2	4,0	3,7	3,4	3,0	**10,0**
11,0		3,4	3,2	3,0	2,7	2,3	**11,0**
12,0			2,5	2,3	2,1	1,8	**12,0**
13,0			2,0	1,9	1,8	1,5	**13,0**
14,0			1,5	1,5	1,3	1,1	**14,0**
15,0			1,1	1,1	0,9	0,7	**15,0**
16,0				0,7	0,6	0,4	**16,0**

CAPACITATE DE RIDICARE EXTENSIE BRAT - LIFTING CAPACITIES BOOM EXTENSION


10,5 m - 40,5 m


100 %


360°


8,3 t


9,0 m

CE

	10,5 m		25,5 m		40,5 m		
	9,0 m		9,0 m		9,0 m		
	0°	30°	0°	30°	0°	30°	
3,0	4,7						**3,0**
4,0	4,1		5,9				**4,0**
5,0	3,8		5,5				**5,0**
6,0	3,4	2,1	5,1				**6,0**
7,0	3,0	1,9	4,7		5,3		**7,0**
8,0	2,7	1,8	4,3	2,3	5,1		**8,0**
9,0	2,5	1,6	4,0	2,1	4,8		**9,0**
10,0	2,3	1,5	3,8	2,0	4,5		**10,0**
11,0	2,1	1,4	3,6	1,9	4,2	2,1	**11,0**
13,0		1,2	3,3	1,7	3,8	1,9	**13,0**
15,0			2,9	1,6	3,5	1,8	**15,0**
17,0			2,6	1,5	3,2	1,7	**17,0**
19,0			2,4	1,4	2,8	1,6	**19,0**
21,0			2,1	1,2	2,6	1,5	**21,0**
23,0			1,8	1,1	2,4	1,4	**23,0**
25,0				0,9	2,2	1,3	**25,0**
27,0					2,0	1,1	**27,0**
29,0					1,7	1,0	**29,0**
31,0					1,5	0,9	**31,0**
33,0					1,3	0,8	**33,0**
35,0					1,2	0,8	**35,0**
37,0						0,7	**37,0**


10,5 m - 40,5 m


100 %


360°


8,3 t


10,0 m – 17,5 m

CE

	10,5m				25,5 m				40,5 m				
	10,0 m		17,5 m		10,0 m		17,5 m		10,0 m		17,5 m		
	0°	30°	0°	30°	0°	30°	0°	30°	0°	30°	0°	30°	
3,0			2,5										**3,0**
4,0	3,6		2,2										**4,0**
5,0	3,3		2,0		4,8								**5,0**
6,0	2,8	2,5	1,8		4,3		2,5						**6,0**
7,0	2,5	2,4	1,7		3,9		2,3		4,6				**7,0**
8,0	2,3	2,2	1,6		3,7		2,2		4,3				**8,0**
9,0	2,0	2,0	1,4		3,3	2,6	2,0		3,9		2,3		**9,0**
10,0	1,8	1,8	1,3		3,2	2,5	1,9		3,7		2,1		**10,0**
11,0	1,6	1,5	1,2	1,0	3,0	2,4	1,7		3,5		2,0		**11,0**
13,0		1,1	1,1	1,0	2,5	2,1	1,5		3,2	2,4	1,8		**13,0**
15,0			0,9	0,9	2,3	1,9	1,4	0,9	2,8	2,2	1,6		**15,0**
17,0				0,9	2,1	1,7	1,3	0,9	2,6	2,0	1,5	1,0	**17,0**
19,0				0,8		1,5	1,2	0,8	2,4	1,8	1,3	0,9	**19,0**
21,0						1,3	1,1	0,7	2,1	1,6	1,3	0,8	**21,0**
23,0						1,0	1,0	0,6	1,7	1,4	1,2	0,8	**23,0**
25,0							0,8	0,6	1,5	1,2	1,1	0,7	**25,0**
27,0								0,6	1,4	1,0	1,0	0,6	**27,0**
29,0								0,5		0,9	0,8	0,6	**29,0**
31,0											0,6	0,6	**31,0**
33,0											0,6	0,6	**33,0**
35,0											0,6	0,5	**35,0**
37,0												0,5	**37,0**
39,0												0,5	**39,0**

DATE TEHNICE - SPECIFICATIONS

Incarcatura pe axe Axle loads	1	2	Greutate totala Total weight
t	24,6	24,9	49,5

		1	2	3	R1	R2	R3	
km/h	4x4	2,2	4,6	12,5	2,2	4,6	12,5	97%
km/h	4x2	6,4	13,4	36,5	6,4	13,4	36,5	23%
		26.50 x 25						

Mecanism Mechanisms	Progresiv variabil Infinitely variabl	Diametru/Lungime franghie Rope diameter / Rope length	Putere maxima Max.permissible line pull
1	0 -115 m/min	18 mm x 260 m	69 kN
2	0 - 62 m/min	15 mm x 140 m	39,2 kN
360°	0 - 2 min^{-1}		
	-2° / +81°	70 s ca. / 70 s approx.	
	10,5 m - 40,5 m	80 s ca. / 80 s approx.	

Capacitate ridicare Lifting capacity	Nr de scripeti No of sheaves	Numar franghii No of lines	Greutate Weight
75 t	6	12	750 kg
15 t	1	3	290 kg
5 t	-	1	100 kg

Sub rezerva modificarilor fara preaviz / Subject to modification without notice

Simboluri - Symbols

Brat telescopic
Telescopic boom

Extensie brat
Boom extension

Stabilizatori
Outriggers

Cauciucuri
Tyres

Rotatie
Slewing

Contragreutate
Counterweight

Raza
Radius

Angrenaj
Gear

Gama lenta
Low range

Gama rapida
High range

Troliu principal
Main hoist

Troliu secundar
Auxiliary hoist

Extindere brat
Boom telescoping

Altitudine brat
Boom elevation

Carlig
Hook block

LOCATELLI

CRANE