

I Characteristics



Characteristics

Crane performance data

Capacity at 3 m from slewing axis (CE)	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 23.5R25 tyres	29 km/h
Max. travelling speed on 26.5R25 tyres	30 km/h
Max. theoretical ramp during operation (on 23.5R25 tyres)	152 %
Max. theoretical ramp during operation (on 26.5R25 tyres)	122 %

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

Weights⁽²⁾

1 st axle	2 nd axle	Total
18.4 t	22.1 t	40.5 t

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

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 partially or fully extended. Outrigger controls in the operating cab
Engine	CUMMINS QSB6.7: no. 6 in-line cylinders - displacement 6.70 cu dm - water cooling with intercooler - turbo supercharger. Max. power 149 kW at 2100 rpm - Max. torque 742 Nm at 1500 rpm. 2004/26/CE Step IIIA approved.
Tank	300 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).
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 23.5R25 tubeless tyres. On request, no. 4 26.5R25 tubeless tyres.

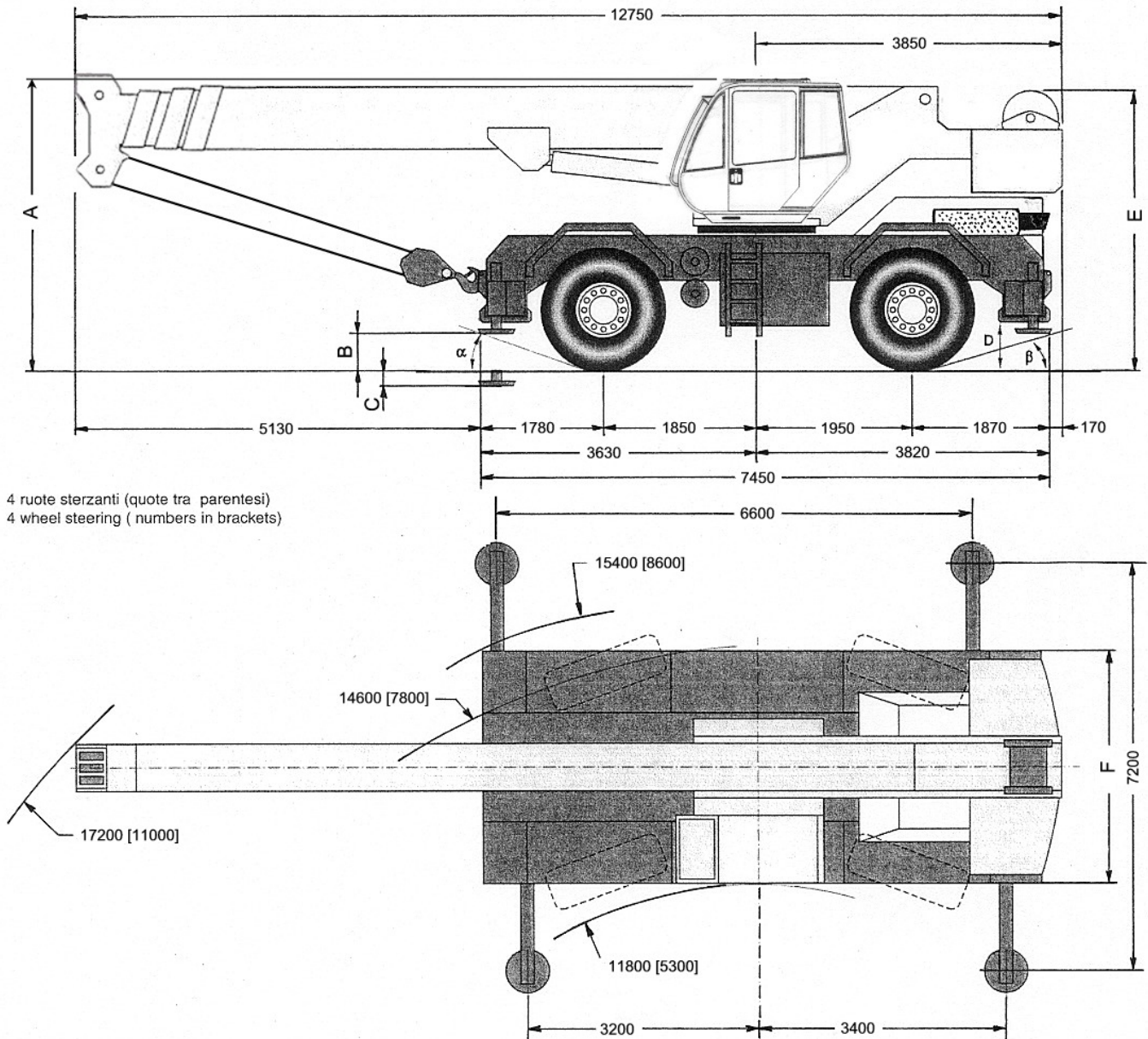


Upper structure	
Boom	no. 4 octagonal elements
Lifting	no. 1 double action hydraulic jack Boom inclination: -3° to +80°
Extension	Separate extension of element 2 through double action hydraulic jack. Continuous proportional extension of elements 3 and 4 through double action hydraulic jack and inner 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 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: <ul style="list-style-type: none"> Boom inclination Boom length Load weight Max. load which can be lifted

Systems	
Hydraulic system	Feeding: no. 1 double gear pump, no. 1 double gear pump and no. 1 gear 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, 70 A generator and no. 2 132 Ah batteries Lighting devices in compliance with current EU directives.
Pneumatic system	247 cu cm compressor, no. 2 45 l reservoirs and drier Auxiliary air intake and tyre inflating kit



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4 ruote sterzanti (quote tra parentesi)
4 wheel steering (numbers in brackets)

Dimensions ⁽⁴⁾								
Tyres	A	E	C	B	D	α	β	F
23.5R25	3570	3580	200	290	520	20°	18°	3000
26.5R25	3650	3660	130	325	550	22°	20°	3000

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

