Crane performance data	
Capacity at 2.5 m from slewing axis.	80 t
Boom length (retracted / extended).	10.9 / 34 m
Boom head height.	37 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.	>100 %
Max. theoretical ramp during operation on 26.5R25 tyres.	>100 %

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

Weights(2)

1st axle	2nd axle	Total
22.7 t	23.3 t	46.0 t

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

Truck	
Traction/Steering	4/4
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 QSB6.7: no. 6 in-line cylinders - displacement 6.7 cu dm - water cooling with intercooler - turbo supercharger - Common rail. 2004/26/CE Stage IIIA - Tier 3 approved - Max. power 164 kW at 2200 rpm - Max. torque 945 Nm at 1500 rpm. On request: 2004/26/CE Stage V - Tier 4F approved - Max. power 168 kW at 2200 rpm - Max. torque 1186 Nm at 1300 rpm.
Tank	300 l
Transmission	DANA series TE15: 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. Dedicated heat exchanger for oil cooling.
Brakes	Service brake: air-operated drum brakes with split circuit system on all wheels. Parking / emergency brake: spring-set air-operated negative brake on all wheels.
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 23.5 tubeless tires. On request, no. 4 26.5 tubeless tires.

Upper structure	
Boom	no. 4 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 brake for winch lowering. Cable tensioner. Two different rotation speeds. Rope diameter 18 mm length 220 m. Max. lifting capacity 6300 daN. “Lebus” profile drum. On request, auxiliary winch featuring same specifications as main winch.
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 air conditioning. Front and upper window with windscreen wiper. Upper and back windows can be opened. Fully adjustable seat onto shockproof suspensions, equipped with seat belt and armrest with integrated hand controls for crane operation. Tiltable
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: Double variable displacement piston pump for boom luffing and telescoping, main and auxiliary hoist. Double gear pump for slewing, steering / outriggers and air conditioning. Movement control: electro-hydraulic distributor controlled by hand controls. More proportional operations can be carried out at the same time. Outrigger control: solenoid valves controlled by separate buttons. Filtering: no. 1 cartridge filter in return circuit Dedicated heat exchangers for oil cooling-down and transmission
Electric system	24 V, 95 A alternator and no. 2 140 Ah – 900 A 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.