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TECHNICAL FEATURES

Frame	Structure formed by one box-type member only, for the complete frame width, with side parts at T shape in order to obtain the maximum bending and torsional stiffness. It is connected by means of crosspieces in the front and rear part corresponding to the axles location. Projected and manufactured by ORMIG from high quality steel.	Hydraulic system	Fed by a variable delivery pump, at power control "load-sending" connected to the electric motor; for steering, derricking, boom extraction, winch or hydraulic fly-jib. Electric motor at a.c., 34 Kw power, operating control by means of electronic unit. Electro-proportional "load-sensing" distributor, compensated, antisaturative. Hydraulic oil tank capacity 340 litres.
Driving motor	Electric motors at AC, 20 Kw power each, 96V. Electronic control which allows for the steering on the crane axle.	Electronic unit:	Power control: by means of three separated electronic station, one for reach electric motor, in interface position. MOSFET technology with starting self-diagnostic check and operations survey for prompt indications on the dashboard of eventual problems and type. Should the breakdown be of danger for the operator or for the vehicle, the corresponding motion is cut out. Each electronic station keeps in storage all eventual failures occurred during the complete crane life. Crane control: by means of two electronic station which control all the crane functions and information for the operator's through display at high resolution.
Axles	Rigid driving front axle, formed by two independent wheels units with electronic differential-gear. Steering rear axle.	Safe load device	Electronic - active type - with locking of the operations which can cause dangerous conditions.
Tyres	4 wheels - cushion 40 14 30 - twin wheels at front axle and 1 + 1 cushion wheels 40 14 30 at rear axle.	Safety regulations	The crane is equipped with all safety devices as per regulations in force. It complies with the requirements of Directive 2006/42/CE "Machine Directive" and to the EN 13000. Structure according to regulation EN 13001. Declaration of conformity "CE" is provided.
Brakes	In compliance with EEC regulations. Service brake at hydraulic control acting at front and rear wheels, with power-assisted pedal control. Mechanical parking brake, spring-type acting in the front wheels by means of electric selector control.	Road approval	The crane is approved for travelling on road.
Steering	Hydrodynamic steering with orbital system Danfoss, priority control "load-sensing".	Weights	Standard crane: total weight: approx. 21100 Kg front axle: approx. 10100 Kg rear axle: approx. 11000 Kg Crane with counterweights: total weight: approx. 31800 Kg front axle: approx. 8500 Kg rear axle: approx. 23300 Kg
Cab	Steel structure. Wide visibility for the operator. It is complete with rearview mirrors, instrumentation, windshield-wipers, adjustable ergonomic seat. The various movements are controlled by levers equipped with electric device to avoid unexpected operations.	Equipment on request	<ul style="list-style-type: none"> • special fly-jibs • fix hook at boom top • battery charge on the crane • counterweights • forks • remote control
Electric system	96 V c.c. by means of lead accumulator, 1395 Ah capacity (about 8 hours operation) with 48 elements. 24 V. c.c. lighting through 96/24V converter. Separated battery charge.		
Boom	Fabricated from plate at high strength. It is connected to the frame by means of rear supporting arms. Telescopic boom with a base section and two extensions having extraction by means of two hydraulic double acting cylinders. The two extensions extraction is performed proportionally. Derricking is provided through a double action cylinder.		

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