





40 iE

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.

motor

Driving Electric motors at AC, 20 Kw power each,

Electronic control which allows for the steering on the crane axle.

Axles Rigid driving front axle, formed by two independent wheels units with electronic differential-gear.

Steering rear axle.

Tyres 4 wheels - cushion 40 14 30 - twin wheels at front axle and I + I cushion wheels 40 14 30 at rear axle.

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.

Steering Hydrodynamic steering with orbital system Danfoss, priority control "load-sensing".

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.

system

Electric 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.

system

Hydraulic 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.

unit:

Electronic 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 occured during the complete crane life.

> Crane control: by means of two electronic station which control all the crane functions and information fo the operator's through display at high resolution.

Safe load

Electronic - active type - with locking of device the operations which can cause dangerous conditions.

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.

Road approval The crane is approved for travelling on road.

Weights Standard crane:

> total weight: approx. 21100 Kg front axle: approx. 10100 Kg rear axle: approx. 11000 Kg

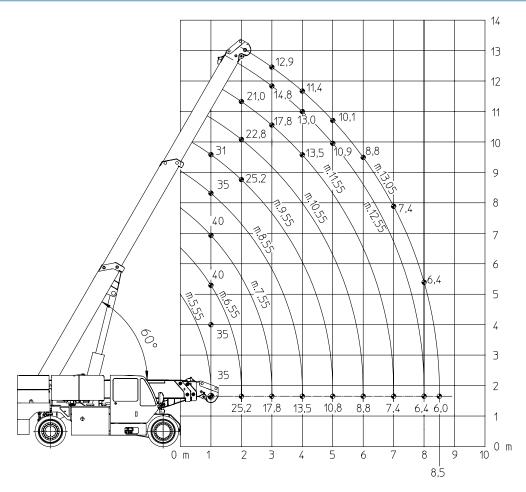
Crane with counterweights:

total weight: approx. 31800 Kg front axle: approx 8500 Kg rear axle: approx. 23300 Kg

Equipment on request

- special fly-jibs
- fix hook at boom top
- battery charge on the crane
- counterweights
- forks
- remote control





General Dimensions

