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ORMIG

Member of CISQ Federation

RINA

CERTIFIED MANAGEMENT SYSTEM
ISO 9001

30 iE

indoor ELECTRIC

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.

Driving motor Electric motors at AC, 15 Kw power each, 96V.
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 854 320 600 - twin wheels at front axle and 2 + 2 cushion wheels 660 250 480 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 Hydraulic 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, electric heating and ventilation.
The various movements are controlled by levers equipped with electric device to avoid unexpected operations.

Electric system 96 V c.c. by means of lead accumulator, 1240 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.

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., 25 Kw power, operating control by means of electronic unit.
Electro-proportional "load-sensing" distributor, compensated, antisaturative.
Hydraulic oil tank capacity 260 litres.

Electronic unit Power control by means of three separated electronic stations, 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 the eventual failures occured during the complete crane life.
Crane control: by means of two electronic stations which control all the crane functions and information fo the operator's through display at high resolution.

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

Safety regulations The crane is equipped with all the safety devices as per regulations in force. It complies with the requirements of Directive 2006/42/CE "Machine Directive" Encl.I and subsequent amendments, CE mark on the crane.
It is in compliance with EN 13000 and EN 13001 for the structure.

Road approval The crane is approved for road travelling

Weights

Standard crane

total weight:	approx	18.000 Kg
front axle:	approx	6.900 Kg
rear axle:	approx	11.100 Kg

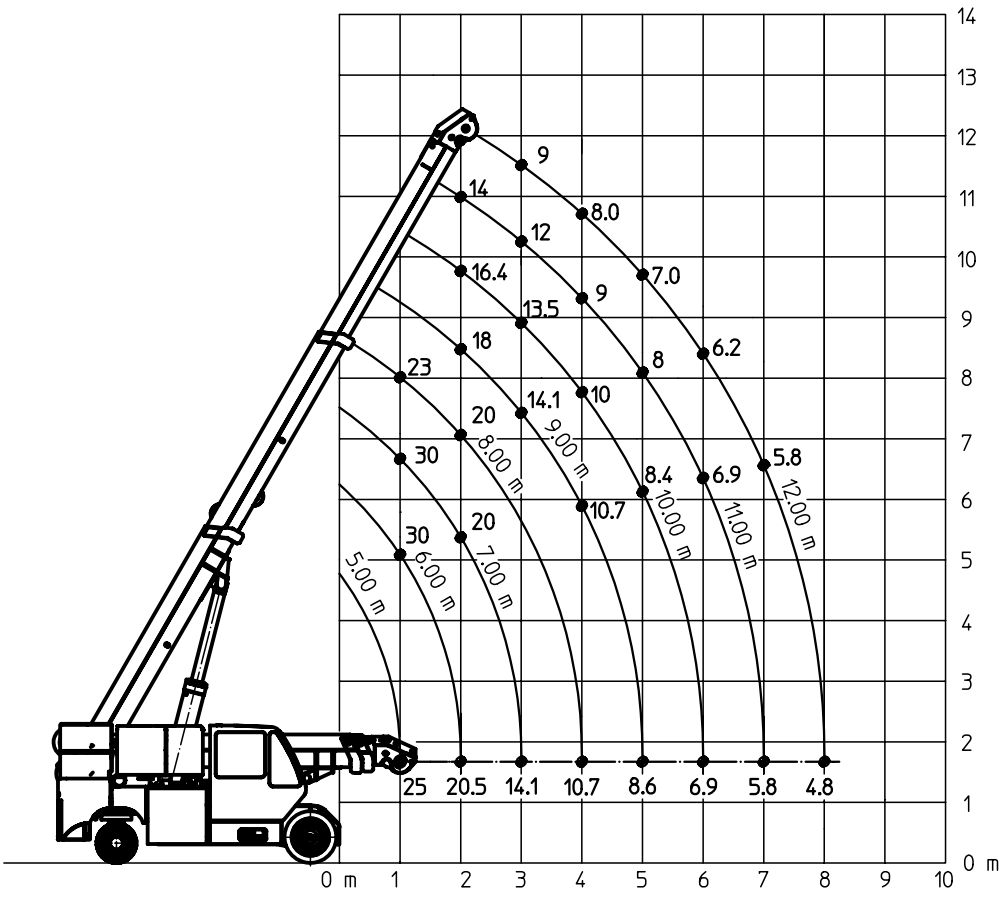
Crane with counterweights

total weight:	approx	27.000 Kg
front axle:	approx	5.200 Kg
rear axle:	approx	21.800 Kg

Equipment on request

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

Din 15019.2 Lifting capacity chart (tonnes)



General Dimensions