ORMIG

since 1949

Member of CISQ Federation

RINA IQNet

CERTIFIED MANAGEMENT SYSTEM
ISO 9001

15 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, 6 kW power each, 80V. Electronic control which allows for the steering on front and central crane axle.

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

Wheels 4 wheels – super-elastic 355/50-15/9.75-15 - twin wheels on front axle and 1+1 super-elastic 28 10 22 at rear axle.

Brakes Mechanical parking brake, spring-type acting in the front wheels by means of electronic selector control.
Hydraulic parking brake acting in the rear wheels by means of electronic selector control.

Steering Hydraulic proportional steering with priority control "load-sensing".

Electric system 80V DC by means of lead accumulator, 1085 Ah capacity (about 8 hours operation) with 40 elements.
24V DC lighting through 80/24V converter.
Separated battery charger.

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 an hydraulic double acting cylinder.
The two extensions extraction is performed proportionally.
Derricking is provided through a double action cylinder.

Hydraulic system Fed by a variable delivery pump connected to the electric motor, for derricking, boom extraction or winch. Electric motor at AC, 20 kW power, operating control by means of electronic unit.
Hydraulic oil tank capacity 130 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 during the complete crane life.
Crane control: by means of two electronic stations which control all the crane functions and information for 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.

Crane control By means of approved radio-control

Weights

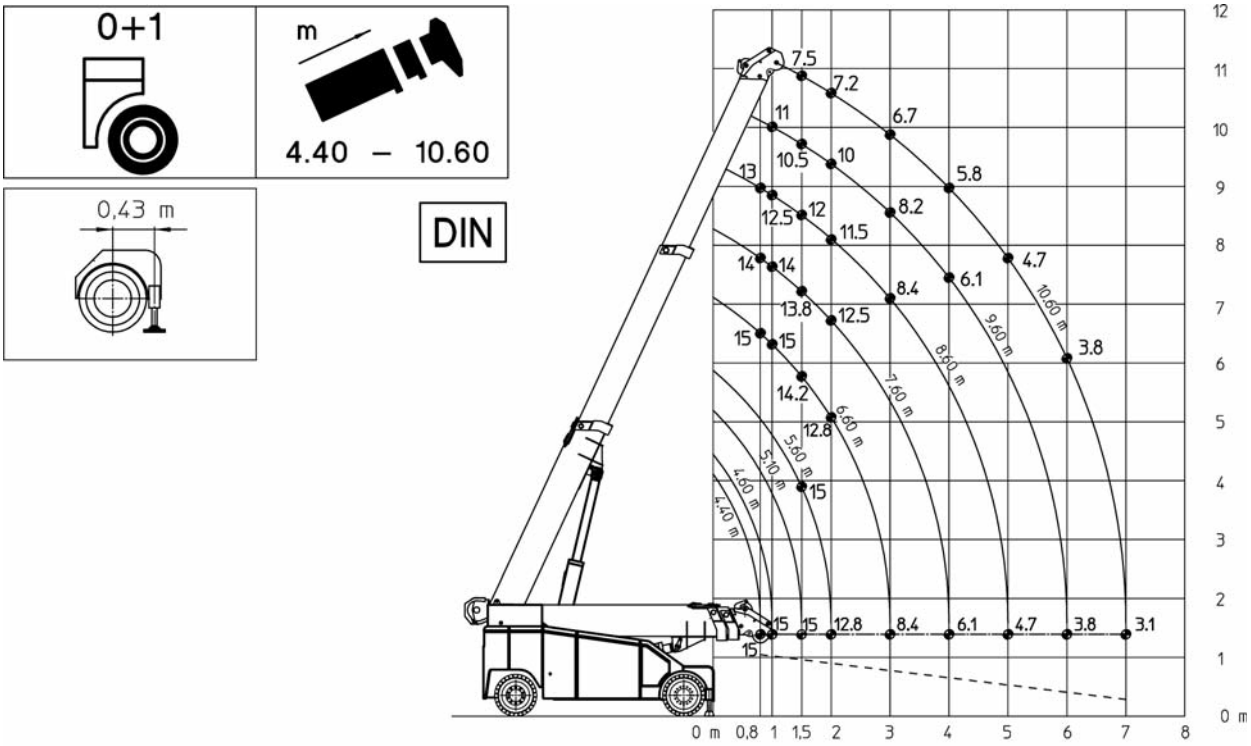
Standard crane

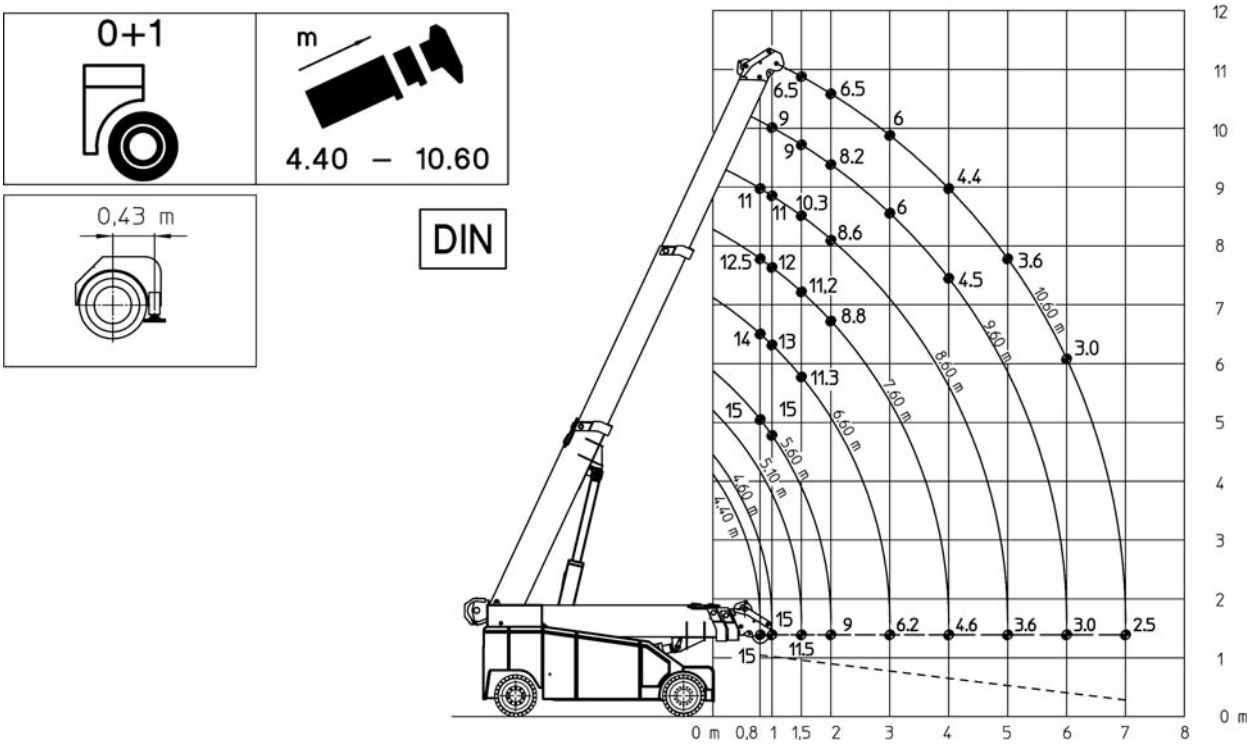
total weight:	approx.	13.000 Kg
front axle:	approx.	6.500 Kg
rear axle:	approx.	6.500 Kg

Crane with counterweights

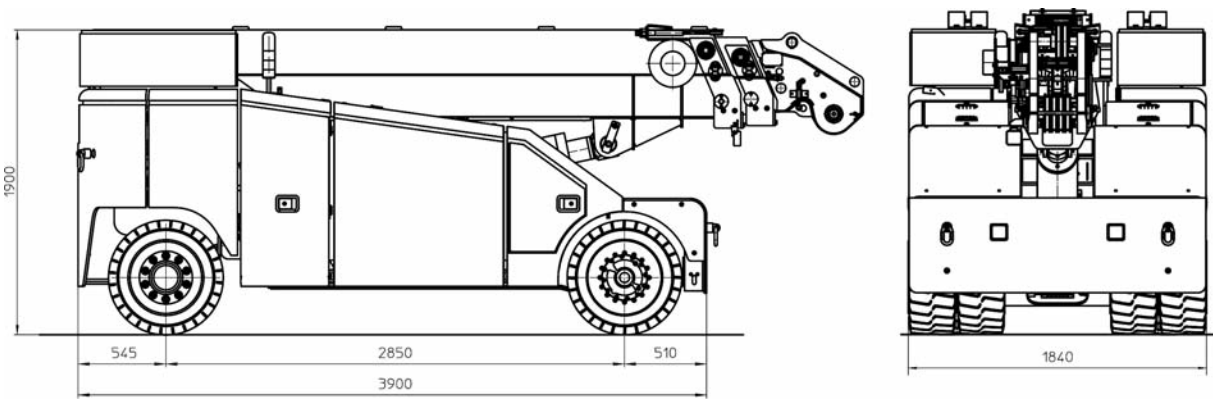
total weight:	approx.	16.750 Kg

Din 15019.2 Lifting capacity chart (tonnes)





General Dimensions



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The history of the lifting from 1949