

The Solution for Ports: MARK

The proven crane with the latest in components and digital technology.



Details that make MARK the crane with the lowest life-time costs ever:

Hoisting and closing machinery

- AC squirrel-cage motors with optimal torque utilization
- Gear reducers designed for heavy crane usage only
- Rope drums + reducers + couplings + brakes designed for:
 - easy service
 - long lifetime

Cabin

- Ergonomically designed
- Insulated, sound-proof
- All necessary controls easily accessible
- Clear view to the whole working area of the crane
- In a nutshell: Driver's dream



Travelling machineries and bogies

- AC motors with disc brakes
- Reduction gearboxes
- Final speed reduction by “open” gear transmission
- Flame hardened, forged wheels
- Excellent alignment features



Crane Monitoring

- Plasma-panel monitors
- Crane operation history
- Clear indications for functions and different operation statuses
- Easy-to-use user interface
- PC-based facilities for service history and instructions



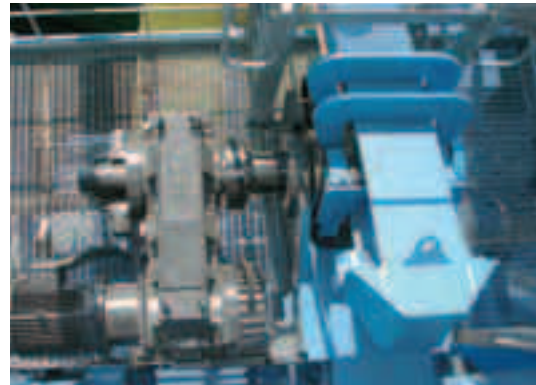
Controls

- Located in well insulated, spacious electric room
- AC frequency control drives
- Programmable control system
- The whole system is factory assembled and tested prior to delivery on site
- Remote diagnostics available
- Drives + motors + gear reducers designed and optimized for crane usage only!



Boom luffing mechanism

- AC squirrel-cage electric motor with disc brake
- Rack and pinion principle for long lifetime
- Compact reduction gearbox
- Superior service access



Slewing mechanism

- AC squirrel-cage electric motors with integral disc brakes
- Compact reduction gearboxes
- Torque-limiting clutches
- Excellent service access



Centralized lubricating system

- Easy and convenient maintenance of hinges
- Hinges can be lubricated without interrupting crane usage



Type	Capacity (t) Hook / Grab	Outreach (m) Hook / Grab	Span (m)	Nominal speed (m/min) Hook / Grab	Wheel load (tons)
MARK32 SB	32 / 20	29 / 29	10,5	32 / 63	26,2
MARK32 DB	32 / 20	32 / 32	10,5	32 / 63	18,5
MARK40 DB	40 / 16	34 / 34	10,5	32 / 63	25,3
MARK45 DB	40 / 16	32 / 45	10,5	32 / 63	28,5
MARK50 DB	55 / 16	40 / 40	15,5	32 / 63	25,2
Type	Hook / Cont.	Hook / Cont.	m	Hook / Cont.	tons
MARK40 C	55 / 40	37 / 37	10,5	50 / 50	35,5

Luffing 63 m/min, Travelling 20 m/min, Slewing 1,6 m/min, SB = Single Boom, DB = Double Boom, C = Container

Tailor Made Level Luffing Harbour Cranes

KCI Konecranes' level luffing cranes are designed to operate in seaports and river terminals:

SBH – Single Boom Harbour Cranes:

- Capacity from 6 to 50 tonnes
- Outreach from 25 to 50 meters
- For handling general cargo, containers and bulk material

DBH – Double Boom Harbour Cranes:

- Capacity from 8 to 50 tonnes
- Outreach from 25 to 50 meters
- For handling all kinds of commodities: general cargo, bulk and scrap material and containers

MPC – Multipurpose Cranes:

- A Double Boom Crane equipped with an advanced head block and a diagonal rope reeving to improve crane performance in container handling operations.
- Capacity from 30,5 to 100 tonnes
- Outreach from 32 to 45 meters
- For handling all kinds of commodities

...and we do also the bigger versions of all above crane types for shipyards.



World Leading Crane Technology

KCI Konecranes is the leading crane and crane maintenance provider in the world and operates from over 250 locations in more than 40 countries.

KCI Konecranes designs optimal solutions for your material handling needs. Based on these solutions, our highly automated in-house component manufacturing creates high quality and quick spare parts delivery.

KCI Konecranes is widely known for its state-of-the-art products. Continuous Research and Development work ensures the reliability of the equipment in various environment and applications. Components designed specifically for material handling applications allow us to offer more value to our customers.

KCI Konecranes is the world's biggest electrical drive supplier for crane applications. We have in-house expertise that can be utilized in connection with all kinds of drive and automation applications.

KCI Konecranes supplies lifting appliances from 125 kg chain hoists up to 3000 ton offshore cranes. We provide services from crane inspections to comprehensive maintenance contracts for your whole plant. Majority of the well over 200.000 cranes under our maintenance contract are manufactured by others. KCI Konecranes' after sales services is the world-class organization backed with the global engineering network.



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