



High Performance > Services > Local Support > Rigid Structure > Reliable > Less Maintenance >

HOW CAN KONECRANES HELP YOU TO ACHIEVE HIGH LIFECYCLE PROFITABILITY?

High productivity with

Rigid steel structure

- Easy to drive, short learning curve
- Maintenance friendly
- No hydraulics
- Access to all maintenance locations
- Konecranes AC drives and motors with
- minimum maintenance
- Low operational costs
- High availability
- Low downtime

Reliability

- Proven, modular design
- Konecranes in-house crane components and systems
- Konecranes local support

Services for all crane brands

- Local technical support
- Maintenance
- Spare parts
- Repairs
- Modernizations

Environmentally friendly design

• Regenerative IGBT supply unit (network braking) -Optional Non-hydraulic systems with minimum environmental impact

Konecranes as a company

- No 1 crane company
- Financially sound
- Continuous R&D



SERVICE



INDUSTRIAL CRANES NUCLEAR CRANES PORT CRANES HEAVY-DUTY LIFT TRUCKS SERVICE MACHINE TOOL SERVICE

MULTIPURPOSE HARBOR CRANES



LEVEL LUFFING MULTIPURPOSE **HARBOR CRANES**

LEVEL LUFFING MULTIPURPOSE HARBOR CRANES

Konecranes Level Luffing Multipurpose Harbor Cranes are designed for heavy duty handling of various cargo for ports worldwide. They work 24 hours a day and 365 days a year giving more value to your investment. Konecranes goal is to ensure that you get the best performance of your cranes throughout the lifetime of the cranes.

High operational performance and low running costs mean positive impact on your business. Konecranes will take care in all phases during the lifetime of the cranes.



Mark 40









Spreader 40 ton / Hook 100 ton, Outreach 36,6 m

Mark 45

Mark 40 (left) and two Mark 45

Mark"-series: • Mark-25, -40 and -45 · Heavy duty multipurpose harbor crane Capacity (Hook mode):

- 25 ton ... 50 ton Capacity (Grab mode): 16 ton ... 18 ton
- Outreach: 34 m ... 45 m



Grab 20 ton / Hook 40 ton, Outreach 37 m



Grab 20 ton / Hook 40 ton x 32 m

Cabin

- Wide view of a working zone.
- Ergonomically designed
- Heating equipment and air-conditioner
- Thermal protection and sound damping

Machine room

- Easy access for maintenance
- Auxiliary hoists for maintenance use
- Forced ventilation

Electrical room

 Thermal protection and sound damping • Heating equipment, air-conditioner, forced ventilation

Crane control system

- Programmed control of electric drives AC-motors with encoder. for all mechanisms.
- Electric equipment protection from overload and overheat.
- Overload protection.
- Performance measurement in grab mode.
- A wide spectrum of diagnostic
- functions.
- Graphic displays for crane operation and diagnostic information to support
- operator and maintenance. Data interface and software for personal computer.

Electric drives

- Superior crane drive technology DynAC Vector II and DynaHoist Vector II are used to control motions.
- Smooth regulation of working speeds in range 0 ... 200 % of rated motor speed.







Middle left: Mark slewing machinery; Middle right: TBD Bottom: Mark hoisting and closing machinery

Machineries

- Compact reducers.
- Disk brakes.

Load-handling devices

The cranes can be equipped with several load-handling devices like

- hooks
- grabs
- magnets
- spreaders
- special load-handling devices

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