

# SILENT TROLLEY TRAVEL WITH SAFETY STOPPER



- 1 Durable MC Nylon wheels with self-lubrication provide smooth and noise-less travel.
- 2 A special designed stopper prevents trolley from free coasting even in case travel rope is cut.

# ANEMOMETER AND AIRCRAFT WARNING LIGHT AS STANDARD



- 1 Real-time wind speed measured by anemometer is displayed for operator in the cabin.
- 2 Air-craft warning LED light with solar sensor.

# SERVICE DERRICK FOR MAINTENANCE AS STANDARD



- 1 Assemble-on-site and swivel Service Derrick is equipped as standard.
- 2 It is useful when heavy-weight components such as motors, winch and drive gears are removed or reinstalled for maintenance.

# PROTECTED CONNECTORS INSIDE STAINLESS STEEL CAGE



- 1 All cable connectors to controller placed inside the stainless cage provide complete protection for electronic system from water and dust.

# EASY AND QUICK ASSEMBLY IN TOTAL SAFETY

## 1 MINIMIZED “ASSEMBLY-IN-THE-AIR”

Only five complete units pre-assembled on the ground or in the factory enables to lessen lifting work at job site.

- **SLEWING PLATFORM UNIT**  
Pre-assembled with slew table, cabin, control panels and panel frame. Panels and panel frame is transported as pre-assembled in the factory.
- **TOP TOWER UNIT**  
Pre-assembled with service platform, tackle assembly and converter-jib tie bars.
- **CLIMBING CAGE UNIT**  
Pre-assembled with service platform, hydraulic power pack and rams.
- **COUNTER JIB UNIT**  
Pre-assembled with counter-jib tie bars and hoist winch drive unit. Hoist winch drive unit is transported as pre-assembled in the factory.
- **FRONT JIB UNIT**  
Pre-assembled with trolley winch system, trolley and tie-bars.



## 2 SELF-ALIGNMENT OF COUNTER-WEIGHT



Once each ballast block is just simply inserted in the compartment in sequence, then they are self-positioned and automatically aligned in place, thanks to special-designed compartment. Zero space and tight-contact between counter-weight blocks.

## 3 PLUG-IN CONNECTION



Plug-in connections to drive units and safety de-vices make job done easily and quickly.

\* Specifications contained in the catalogue may be changed without prior notice for improvement of quality and performance.



TOWER CRANES

# HAMMER HEAD CRANES

ED300H-14

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# HAMMER HEAD CRANES

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## FREQUENCY- CONVERTER HOIST SYSTEM



- 1 Most-reliable German made hoist drive system consist of ;
  - SIEMENS Electric Motor with dust & water protection rating IP55.
  - Durable German gear unit.
  - Trouble-free SIEMENS Vector Frequency Converter.
- 2 Hoist speed is being continually adjusted and optimized responding to the load actually being lifted.
- 3 Smooth and step-less speed variation and micro speed control from zero speed.

## FREQUENCY- CONVERTER SLEWING DRIVE SYSTEM



- 1 Powerful, and Jerk-Free slewing drive system consist of ;
  - 4 sets of SIEMENS Electric Motor with dust & water protection rating IP55 accompanied by most reliable gear unit.
  - Trouble-free SIEMENS Vector Frequency converter.
- 2 Jerk-free slewing at anysPEEDS, continously variable speed control by step-less controller.
- 3 Able to place a jib at any desired position without sway.

## FREQUENCY- CONVERTER TROLLEY TRAVEL SYSTEM



- 1 Travelling with continuously variable speed control by step-less controller.
- 2 Trouble-free France TELEMECANIQUE made frequency converter.
- 3 Able to place a lifting hook at any desired position at micro speed.

## ROBUST TOWER MAST SECTIONS FOR LONG LIFE, EASY CONNECTION, HIGHER FREESTANDING



- 1 High tensile structural steel EN 10025 S355J2G3 Tight-welded square-tube-shape posts and diagonal elements.
- 2 High strength bolts having ISO tensile strength grade 12.9
- 3 Forged flange with 2 or 4 bolts at each corner post.
- 4 Zero clearance joint.
- 5 Dowel pin for rapid fit
- 6 Bolt holder for easy keeping.
- 7 2 different lengths (3-, 6-meter) provided for desirable height.

## EASY AND FAST 1/2- FALL CHANGE DONE BY 1 OPERATOR



- 1 Mechanism of easy connecting or releasing intermediate hook block enables a rapid 2/4-fall change.
- 2 Quickly done with very little effort by only 1 mechanic or operator.

## DURABLE SLEWING BEARING



- 1 High quality, France ROLLIX-made slewing bearing as standard.
- 2 Ultra-hardened, precisely machined components such as bearings, run-way, and teeth guarantee a longer life.
- 3 4-point greasing ports as standard.
- 4 Motorized greasing system as option.

## ELECTRICAL ROTARY JOINTS- SLIP RING



- 1 Electric power is supplied through Slip Ring Connection; hence top-kit rotates unlimited degree.
- 2 No twisting of power cable.
- 3 Slip ring eliminates any joint work of power cable while installing and dismantling.

## ELECTRONIC LOAD MOMENT LIMITER



- 1 Load moment is measured by a load cell and potentiometer, and transmitted to frequency converter to optimize the hoisting speed.
- 2 When a load limit is reached, a warning is signaled to the operator. An additional increment of load causes the hoist motor to stop.
- 3 Fine and easy setting by key-pad input system.

## FAST, TROUBLE-FREE AND SAFETY CLIMBING



- 1 Two hydraulic rams balanced by counter-balancing valve guarantees fast, trouble-free and safe climbing.
- 2 Two climbing stages provides space for a 3-meter mast section.

## ERGONOMIC CONTROLS IN COMFORTABLE AND FULL-VIEW CABIN



- 1 Full view of the lifting loads and work site.
- 2 Electronic monitoring system displaying all operating information at once.
- 3 Noise-, dust-, rust-, and rain-insulated cabin.
- 4 Joystic lever controls with dead-man switch.
- 5 Standard Air-conditioning for heat and cool to maximize comfort.
- 6 Full suspension seat with wide range of adjustment.
- 7 FM/AM radio and cassette as standard.
- 8 Windshield wiper system.
- 9 Hi-Lo adjustable sun-shade.
- 10 220Vac power socket inside cabin.