

Build the **Future**

www.everdigm.com

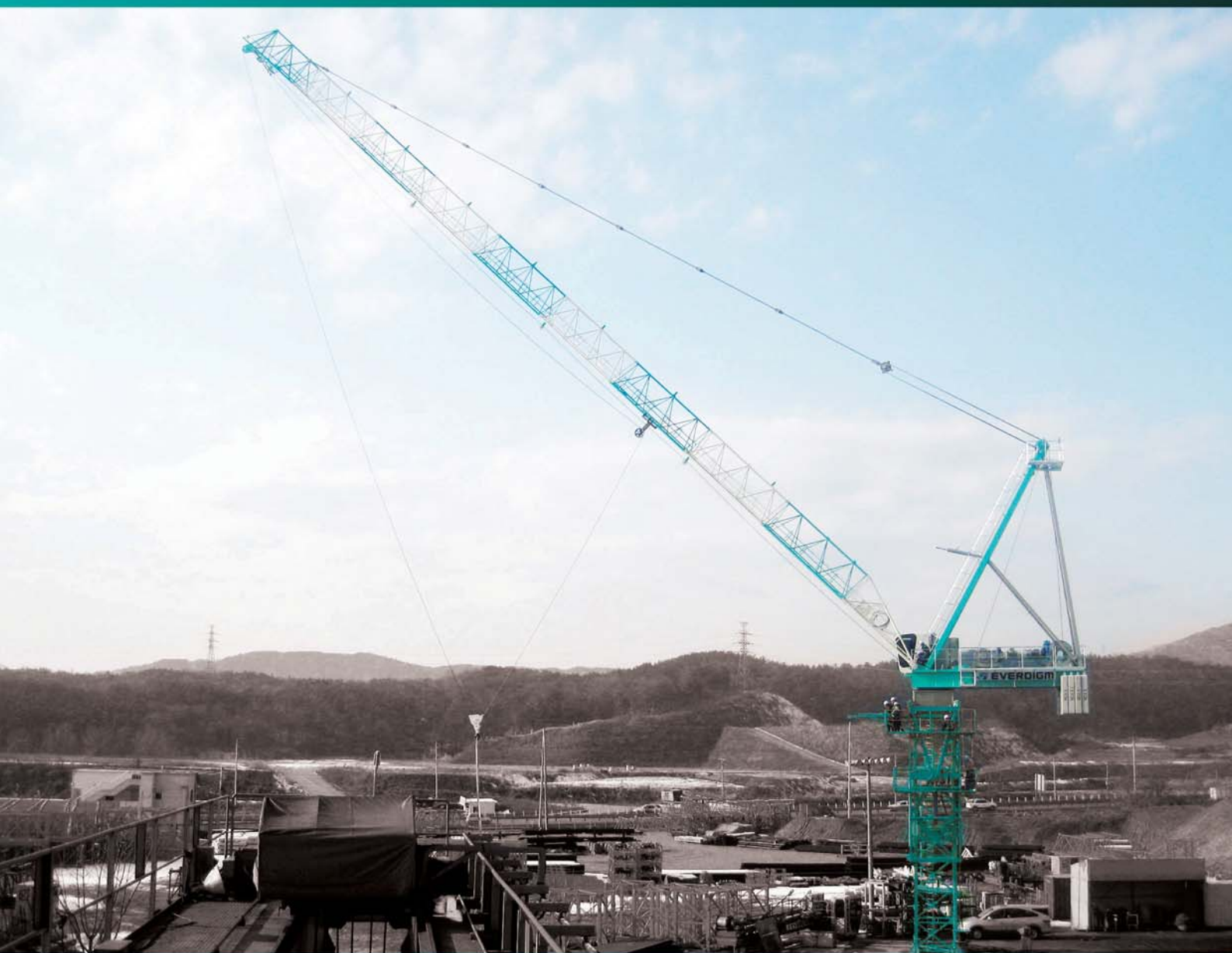
ISO9001 ISO14001



FEM 1.001

EVERDIGM TOWER CRANE

ED300L-16



Conquer the ground

High-performance, precise-control, very-reliable, energy-saving drive system

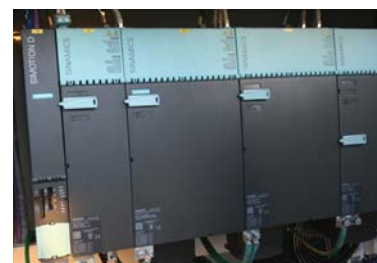
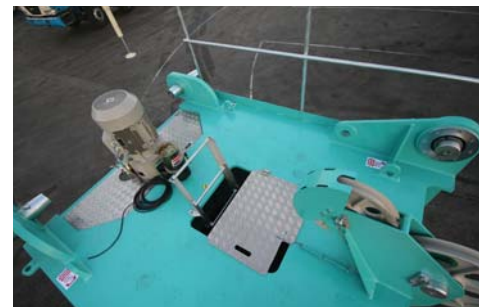
• Frequency-converter Hoist Drive system

- Most - reliable German made hoist drive system consists of ;
 - ✓ SIEMENS Electric Motor with dust & water protection rating IP55.
 - ✓ Durable German gear unit with thruster brake
 - ✓ Trouble - free SIEMENS Vector Frequency Converter.
- Hoist speed is being continually adjusted and optimized responding to the load actually being lifted.
- Smooth and step-less speed changes, micro speed controls from zero speed.



• Frequency-converter Slewing Drive system

- Powerful, and Jerk-Free slewing drive system consists of ;
 - ✓ 1 sets of SIEMENS Electric Motor with dust & water protection rating IP55 accompanied by most reliable gear unit.
 - ✓ Trouble-free SIEMENS Vector Frequency Converter.
- Jerk-free slewing at any speeds, continuously variable speed control by step-less controller.
- Enabling to place a jib at any desired position without sway.



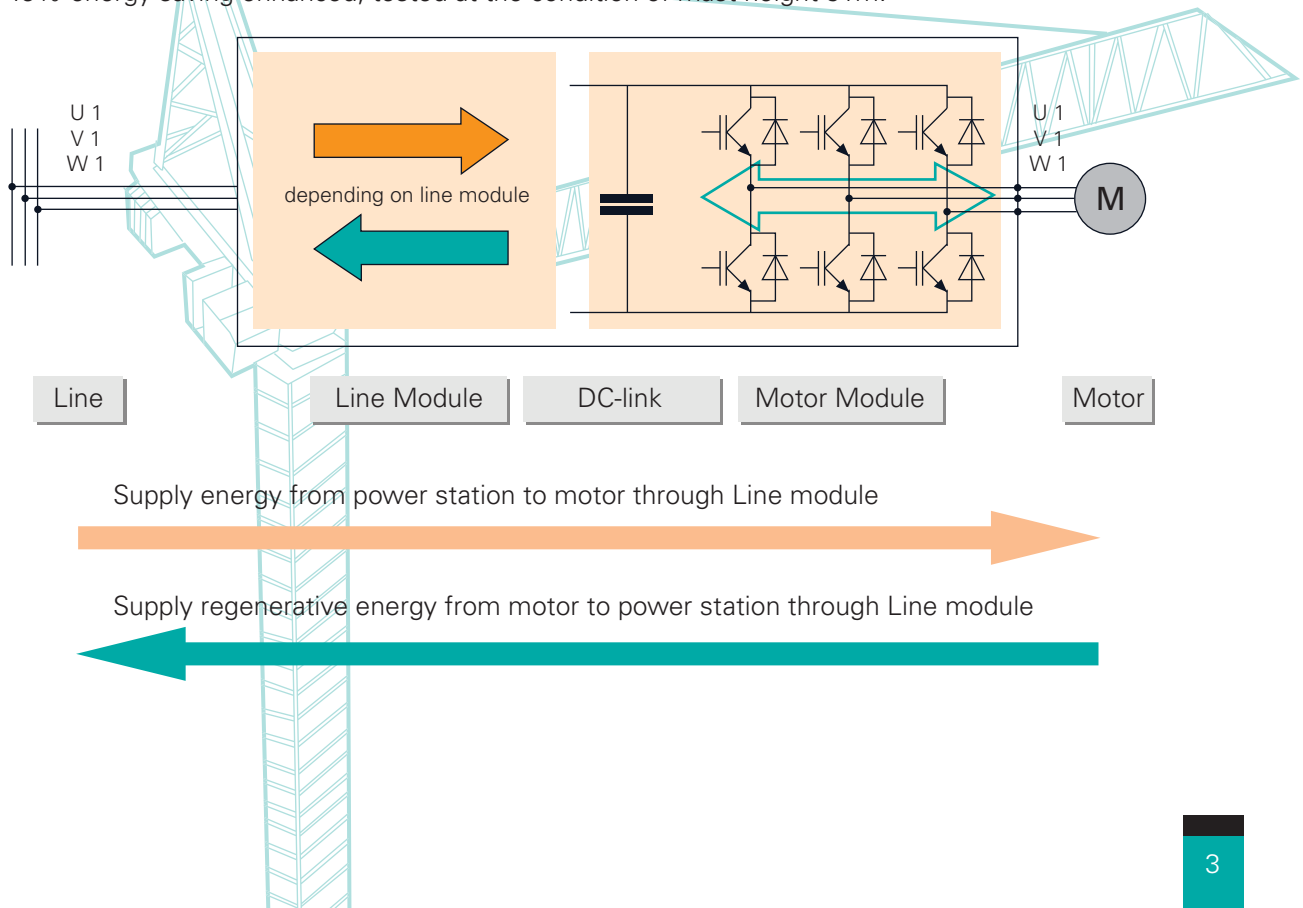
• Frequency-converter Luffing Drive system

- Most - reliable German made luffing drive system consists of ;
 - ✓ SIEMENS Electric Motor with dust & water protection rating IP55.
 - ✓ Durable German gear unit with thruster brake
 - ✓ Trouble - free SIEMENS Vector Frequency Converter.
- Luffing speed is being continually adjusted and optimized responding to the load actually being lifted.
- Smooth and step-less speed changes, micro speed controls from zero speed.



Energy Savings of 49% - REGEN Braking System

- Thanks to the Regenerative Braking technology of SIEMENS Frequency Converter, electric energy generated when braking is fed back into the power line instead of being wasted as heat into the air.
- 49% energy saving enhanced; tested at the condition of mast height 51m.



Durable Slewing Bearing

- High quality, France ROLLIX-made slewing bearing as standard.
- Ultra-hardened, precisely machined components such as bearings, run-way, and teeth guarantee a longer life.
- Four-point greasing ports as standard.



Easy and fast 1/2-fall change done by 1 operator

- Straightforward re-reeving of the hook from single- to double-reeved operation allows cranes to be adapted efficiently and quickly to construction site conditions
- Quickly done with very little effort by only 1 mechanic or operator.



Fast, trouble-free and safety climbing

- Two hydraulic ram raises the upper portion of the crane in a perfect balance.
- Two climbing stages permits the insertion of a 3meter mast section.
- Pivoting hook and mobile beam are easily maneuvered by one operator at a fixed place, hence fast, trouble-free and safe climbing is guaranteed.



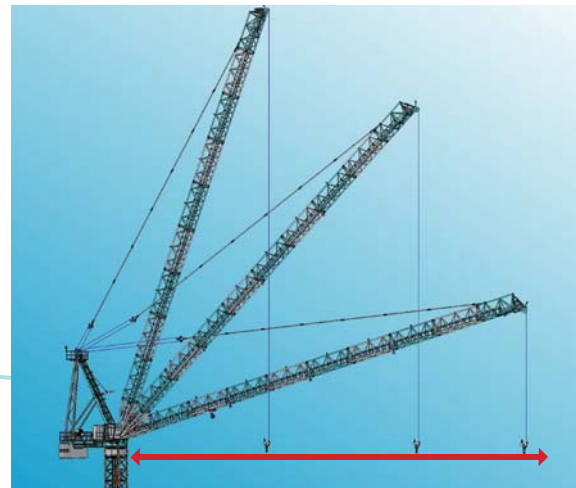
Robust Tower mast sections for long life, easy connection

- Tight-welded posts and diagonal
- High strength bolts having ISO tensile strength grade 12.9
- Forged flange with 2 or 4 bolts as each corner post.
- Zero clearance joint.
- Dowel pin for rapid fit.
- Bolt holder for easy keeping.



Intelligent motion control with Level luffing function

- Level luffing function allows a luffing jib crane to perform a horizontal load movement similar to that of a hammer head crane with a trolley jib.
- Level luffing control unit automatically resets the hoist gear so that the hook moves horizontally—a crucial advantage for assembly and concreting tasks.



Load moment limiter system

Real time display monitor and load moment limiter are standard application for prevention of Tower crane collapse and provide all necessary information to crane operator in actual time



Ergonomic controls in comfortable and full-view cabin

- Full view of the lifting load and work site.
- Electronic monitoring system displaying all driving information at once.
- Noise-, dust-, rust-, heat-, and rain-insulated cabin.
- Joystick lever controls with dead-man switch.
- Air-conditioning for heat and cool as standard.
- Full suspension seat with wide range of adjustment.
- FM/AM radio and cassette as standard
- Windshield wiper system.
- Hi-Lo adjustable sun-shade.
- 220Vac power socket inside cabin.



Anemometer and aircraft warning light as standard

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



Protected Connectors inside control panel

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



Quick assembly and friendly transport

- Pre-assembled on the ground or in the factory enables to lessen lifting work at job site
- The entire part is laid out in 40' containers for loading



Possible Options and more.....

Slewing limit switch as option

The switch restricts slewing angle to protect tower crane from adjacent buildings and actual boundary limit of site.



Motorized greasing system as option

The system will extent life cycle of slewing bearing



EVERDIGM TOWER CRANE

ED300L-16

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

© EVERDIGM Corp. Printed in Korea

Distributed by

Head Office & Factory

332-3, Jangwan-ri, Jincheon-eub, Chungcheongbuk-do, Korea
Tel_+82-43-530-3300 Fax_+82-530-3429

Sales & Marketing Office

#1203, Woolim Lion's Valley 2, 680, Gasan-Dong, Geumcheon-Gu, Seoul, Korea
Tel_+82-2-801-0800 Fax_+82-2-801-0899

