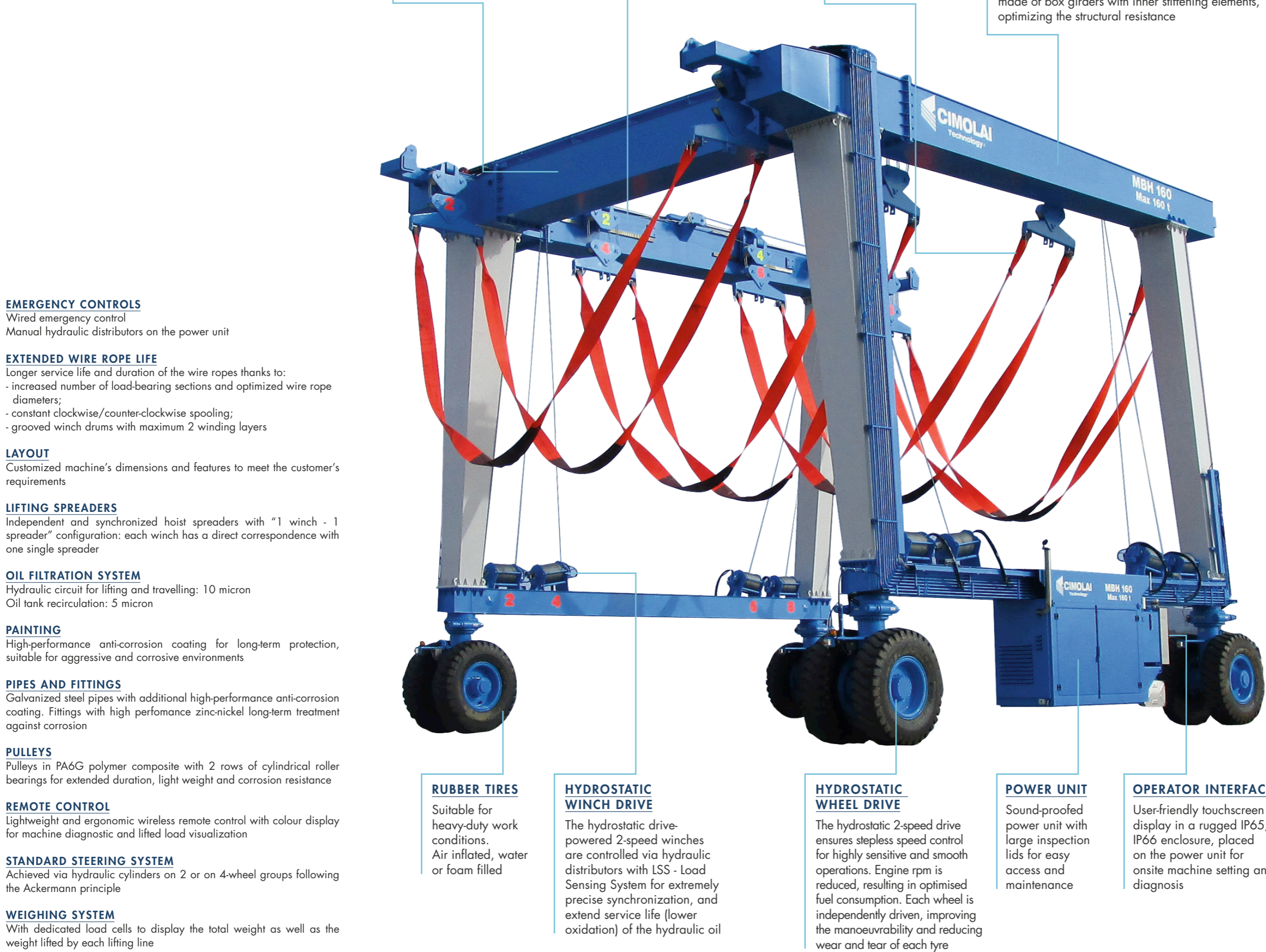


MBH M



**CIMOLAI Technology® spa**  
Special Equipment

MARINAS AND SHIPYARDS  
MOBILE BOAT HOIST



**BOLTED FLANGE**

Transversal beam prearrangement for easy future width modification

**BLOCK ADJUSTMENT**

Customizable block adjustment for excellent handling capability

**SLINGS**

Customizable lengths, splitting and protections against cuts

**STRUCTURE**

100% manufactured in CIMOLAI's workshops in Italy, steel plates come exclusively from primary European Companies. The structure is designed as per the latest FEM and UNI EN standards and is made of box girders with inner stiffening elements, optimizing the structural resistance

**EMERGENCY CONTROLS**

Wired emergency control  
Manual hydraulic distributors on the power unit

**EXTENDED WIRE ROPE LIFE**

Longer service life and duration of the wire ropes thanks to:

- increased number of load-bearing sections and optimized wire rope diameters;
- constant clockwise/counter-clockwise spooling;
- grooved winch drums with maximum 2 winding layers

**LAYOUT**

Customized machine's dimensions and features to meet the customer's requirements

**LIFTING SPREADERS**

Independent and synchronized hoist spreaders with "1 winch - 1 spreader" configuration: each winch has a direct correspondence with one single spreader

**OIL FILTRATION SYSTEM**

Hydraulic circuit for lifting and travelling: 10 micron  
Oil tank recirculation: 5 micron

**PAINTING**

High-performance anti-corrosion coating for long-term protection, suitable for aggressive and corrosive environments

**PIPES AND FITTINGS**

Galvanized steel pipes with additional high-performance anti-corrosion coating. Fittings with high performance zinc-nickel long-term treatment against corrosion

**PULLEYS**

Pulleys in PA6G polymer composite with 2 rows of cylindrical roller bearings for extended duration, light weight and corrosion resistance

**REMOTE CONTROL**

Lightweight and ergonomic wireless remote control with colour display for machine diagnostic and lifted load visualization

**STANDARD STEERING SYSTEM**

Achieved via hydraulic cylinders on 2 or on 4-wheel groups following the Ackermann principle

**WEIGHING SYSTEM**

With dedicated load cells to display the total weight as well as the weight lifted by each lifting line

**RUBBER TIRES**

Suitable for heavy-duty work conditions.  
Air inflated, water or foam filled

**HYDROSTATIC WINCH DRIVE**

The hydrostatic drive-powered 2-speed winches are controlled via hydraulic distributors with LSS - Load Sensing System for extremely precise synchronization, and extend service life (lower oxidation) of the hydraulic oil

**HYDROSTATIC WHEEL DRIVE**

The hydrostatic 2-speed drive ensures stepless speed control for highly sensitive and smooth operations. Engine rpm is reduced, resulting in optimised fuel consumption. Each wheel is independently driven, improving the manoeuvrability and reducing wear and tear of each tyre

**POWER UNIT**

Sound-proofed power unit with large inspection lids for easy access and maintenance

**OPERATOR INTERFACE**

User-friendly touchscreen display in a rugged IP65/IP66 enclosure, placed on the power unit for onsite machine setting and diagnosis

OPTIONAL

**BOAT'S AUXILIARY ELECTRICAL FEEDING SYSTEM**

Auxiliary system with genset or battery pack to guarantee the power supply to the ship's on-board systems during launching or hauling operations

**COMMAND POSTS**

Different solutions available:

- command cabin
- open cockpit

**ELECTRIC DRIVE**

Full electric drive machine with zero emission and guaranteed power

**ELECTRONIC STEERING SYSTEM ON ALL WHEELS**

Achieved via heavy duty slew drives equipped with hardened worm-gears and powered by hydraulic motors. Automatically controlled by a PLC, the system allows 6 different steering configurations, including the PATENTED concentric 360° steering

**EQUALIZING SYSTEM FOR UNEVEN TERRAIN**

Pivot trunnion to cope with antithetic slopes or uneven surfaces allowing the machine to work always in isostatic conditions

**HYDRAULICALLY ADJUSTABLE TRACK**

Telescopic transversal beam to vary the machine's track (with load suspended) and then fit to different dock spans, to enter shed doors and to optimize parking space

**LED LIGHTS**

Work lights for low light conditions available upon request

**MAINTENANCE ACCESS**

Stairs, walkways and ladders for easy access during maintenance operations

**PATENTED BLOCK ADJUSTMENT SYSTEM - LSL LIMITLESS SLIDING LANE**

PATENTED system with all the blocks running on the same sliding lane, to adjust the position of the lifting points all along the upper beams. Their positions are electronically tracked by the PLC via electronic sensors

**REMOTE ASSISTANCE AND DIAGNOSIS**

In-house developed software and GSM or Wi-Fi connection to supervise the machine status in real time from our after-sales office and promptly assist the customer's operators on site

**U-BEAM**

Backward top beam for increased clearance.

**IN-LINE WHEELS**

Wheel group transversal dimension reduction by means of wheels' alignment

**JIB-CRANE**

Telescopic jib-crane positioned on the machine upper structure

**STAINLESS STEEL PIPES AND FITTINGS**

AISI 316L stainless steel pipes with zinc-nickel treated fittings



Capacity: **300 t** - TURKEY

Capacity: **260 t** - TURKEY



Capacity: **300 t** - INDONESIA



Capacity: **220 t** - USA - U-beam | In-line wheels





Capacity: **220 t** - USA  
U-beam



Capacity: **160 t** - ITALY



Capacity: **220 t** - MOROCCO  
Maintenance access

## CERTIFICATIONS



**CIMOLAI Technology® spa**  
Special Equipment



**ESNA-SOA**  
Società Organismo di Attestazione S.p.A.



Lloyd's  
Register



**Cimolai Technology SpA** headquarters span a **total area of 53,000 m<sup>2</sup> - 22,000 m<sup>2</sup>** of which are fully covered and used as fabrication area and offices.

The company can count on all services required by a dynamic and constantly growing firm and is based in Carmignano di Brenta (Province of Padua), Italy.



**Armando Cimolai**  
Centro Servizi s.r.l.

The steelworks for Cimolai Technology SpA are fabricated by **Armando Cimolai Centro Servizi**, a factory in San Quirino (PN) – Italy **that occupies an overall area of 180,000 m<sup>2</sup>**, of which 60,000 are fully covered.



[www.cimolaitechnology.com](http://www.cimolaitechnology.com)  
[www.cimolaicentroservizi.com](http://www.cimolaicentroservizi.com)