

ESSEL CRANE EC185Z-96
PRODUCT OVERVIEW



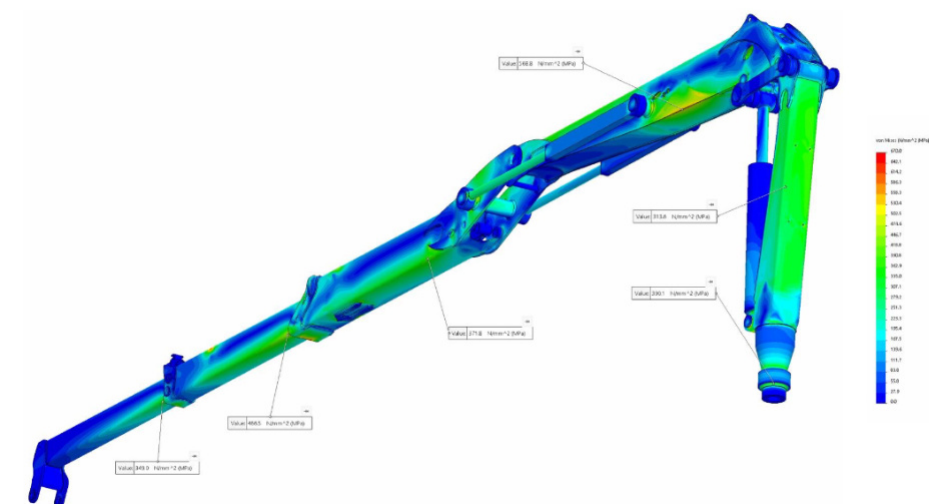
Designed and manufactured with a sense for detail. You can rely on it.

USAGE

Hydraulic loading crane designed for handling long timber.

KEY FEATURES

- 181 kNm**
Maximum lifting moment
- 1 850 kg**
Loading capacity when fully extended
- 9,6 m**
Maximum horizontal reach



The results of strength calculations performed by a certified authority have confirmed that the ESSEL EC185Z-96 hydraulic crane complies with the STN EN 12999 + A1 standard in terms of strength and fatigue, and also complies with the requirements of the European Parliament Directive 2006/42/EC on machinery. Strength calculations simulate an estimated number of 600,000 duty cycles.

DESIGN

SYSTEMS

FEATURES

MECHANICS

All structural elements made of high-strength steel: swivel column- Strenx 960, pinion casting- heat-treated alloy GS25CrMo4V, other parts of the hydraulic crane- S700MC
Components supplied by renowned global manufacturers Parker, Indexator
Possibility of automatic rotation of hydraulic support legs
Synchronised movement of telescopic extensions by means of chain transmission
A new arm locking system in transport position
Enlargement of operator's workplace in 38%
New, wider and more solid support for manipulation with longer logs
Unified termination of the hydraulic crane telescope for mounting of standardized links of worldwide producers

HYDRAULIC SYSTEM

Hydraulic pipes placed inside the structure
POWER LINK to increase the hydraulic crane lifting force and to optimize the course of the lifting force
Relocation of all hydraulic crane controls to the operator's workspace, including control of the support legs and their rotation

ELECTRICAL SYSTEM

Extended light package – lighting of the work area, ladder steps
ESSELTRONIC a unique electrical system with hydraulic crane overload protection, lifting force control, visual signaling of instantaneous pressures in individual circuits of the hydraulic system, working hours counter, maintenance inspection indication and many other features
New board computer, implementing functions of working hours counter, control of lifting force and momentary visual control of pressures in particular circuits of the system
Heated seat synergetic movement horizontally and vertically
Improved and reinforced illumination of working space – increased luminous flux up to 16,000 lumens

MAXIMUM LIFTING MOMENT

181 kNm

ROTATION MOMENT

36,4 kNm

ANGLE OF ROTATION

370 °

MAXIMUM HORIZONTAL REACH

9,6 m

WORKING PRESSURE

26 MPa

RECOMMENDED OIL FLOW

2x60 l/min.

WEIGHT INCL. SUPPORTING LEGS

2 885 kg

HORIZONTAL REACH / LIFTING FORCE

3m/6040kg, 4m/4530kg, 5m/3620kg, 6m/3000kg, 7m/2550kg, 8m/2210kg, 9m/1850kg