

HSP 2018/20/22

C Models

Hydraulic Boom Terrain Cranes

GENERAL INFORMATION ONLY



The HSP-8018/20/22 C Models put you in complete control

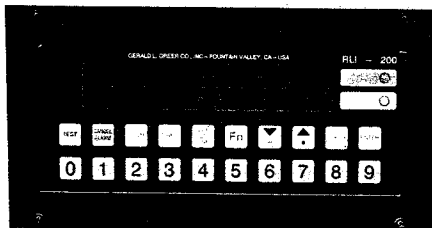
Operator Control Center Designed for maximum operator comfort and control with these features:

- Six-way adjustable fabric seat.
- Arm rest mounted dual hydraulic controllers.
- Electronic drum rotation indicators.
- Single foot pedal control for simultaneous extension or retraction of power boom sections.
- Foot controls for swing brake, travel brake and engine throttle.

Additional Cab Features Include:

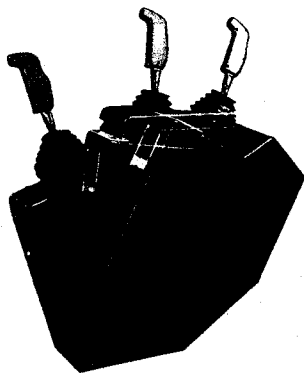
- All new design, sound suppressed environmental cab.
- Large front window for excellent visibility.
- Tinted glass.
- Sliding right side and rear windows and swing-up top window provide excellent ventilation.
- Rated Load

Indicator aids the operator in safe and efficient operation by continuously displaying machine configuration, boom angle, boom length, radius, allowed load, actual load, and percent of allowable load. Both audio and visual alarms warn the operator of an overload or two-block condition.



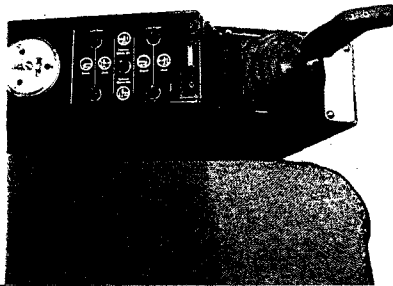
Lift-up Arm Rest

Left arm rest lifts up out of the way providing outstanding operator ease in entering or exiting cab. For safety, all control functions become inactive when the arm rest is in the raised position.



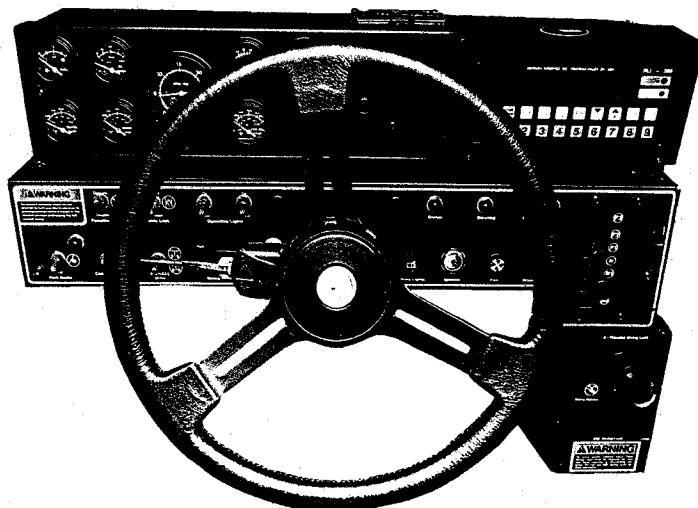
Outrigger Controls

Outrigger controls and sight level bubble are conveniently located in the left arm rest of the operator's control center.



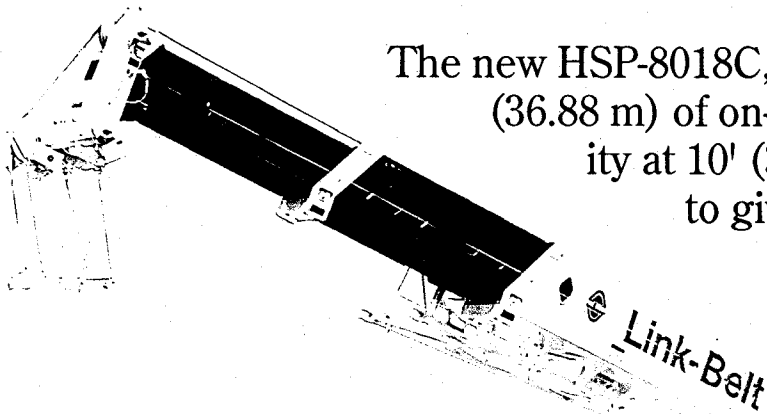
Operator Cab Dash

Dash panel provides easy control access for the operator. Conveniently located, this panel houses switches for wiper, fan, lights, function lockout, steering mode select, ignition and throttle lock. Mechanical controls are provided for 360° swing lock and travel swing lock. Toggle switches are rubber encased for protection against dust and moisture. Comprehensive and easy to read gauges monitor hydraulic oil temperature, battery charge, fuel level, water temperature, engine oil pressure and transmission temperature.



Big machine features.... big machine performance

The new HSP-8018C, HSP-8020C and HSP-8022C with 121' (36.88 m) of on-board tip height and 20 ton (18t) capacity at 10' (3.05 m) radius, are specifically designed to give you the best equipment value in the 20 ton (18t) RT class.

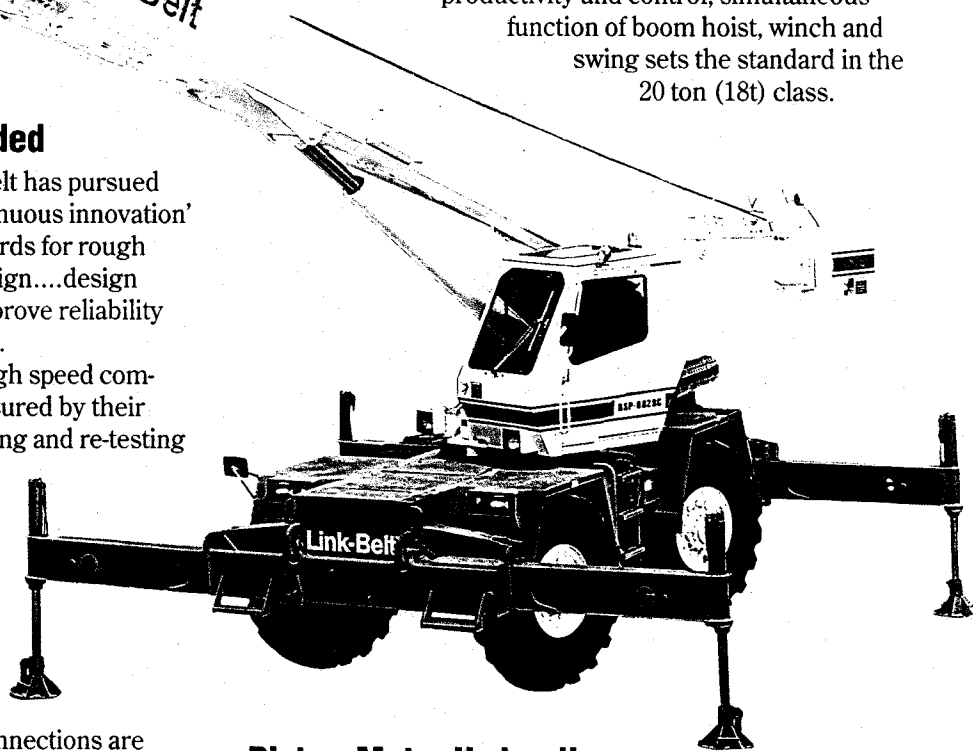


Multi-function Control For greater productivity and control, simultaneous function of boom hoist, winch and swing sets the standard in the 20 ton (18t) class.

Computer-aided Design Link-Belt has pursued a course of 'continuous innovation' to set new standards for rough terrain crane design....design originals that improve reliability and performance.



Advanced, high speed computer-aided, state-of-the-art designs are measured by their reliable performance through extensive testing and re-testing before Link-Belt endorses a new idea, assuring the customer of real user value....maximum on-the-job performance.



Simplified Routings All Link-Belt hydraulic cranes incorporate well thought out routings for easy access. Fittings and connections are staggered where necessary for quick and easy servicing.

Piston-Motor Hydraulic Hoist System

Delivers superior hoisting to the 20 ton (18t) rough terrain class

Model 1M main winch with single speed motor and automatic brake; power up/down mode of operation with hoist drum cable follower. Bi-directional piston-type hydraulic motor, driven through a double planetary reduction unit provides precise, smooth load control with minimal engine r.p.m.

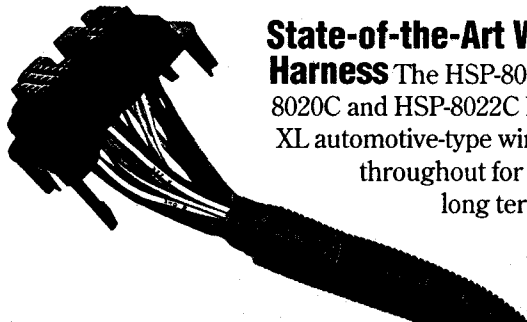
Matched sizes of main and auxiliary winches provide equal maximum available line pulls of 9,000 lbs. (4 082 kg) and maximum line speeds of 282 f.p.m. (85.95 m/min) on 10-5/8" (0.27 m) root diameter drums.

Serviceability Standard quick disconnects installed at various locations in the hydraulic system allows the hydraulic pressure to be quickly and easily checked with Link-Belt's exclusive diagnostic gauge kit.



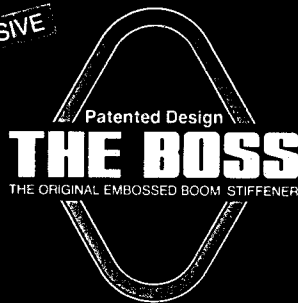
Diagnostic Kit

State-of-the-Art Wire Harness The HSP-8018C, HSP-8020C and HSP-8022C have Packard XL automotive-type wire harnesses throughout for outstanding long term reliability.



Patented boom design

EXCLUSIVE



Embossed sidewall stiffeners with no-weld corners

Boom Concept The arrangement of high strength angle chords (corners) with high formability steel sidewall (embossments) places the most steel at corners where maximum stress is concentrated. The result: maximum strength with minimum weight.

Embossed Sidewall Stiffeners

Increases sidewall stiffness.

Sidewall Design Concept

Not only do the embossments increase sidewall stiffness, but because of their placement they naturally transfer stresses uniformly to the high strength angle chords (corners)—a concept derived from Link-Belt lattice boom technology.

Boom Wear Shoes

Boom wear shoes are replaceable without boom disassembly.



Angle Chords 100,000 psi (689.5 MPa) high strength steel angle chords are precision machined for boom sidewall overlap.

This design allows all interior and exterior boom welds to be offset or staggered for maximum structural integrity.

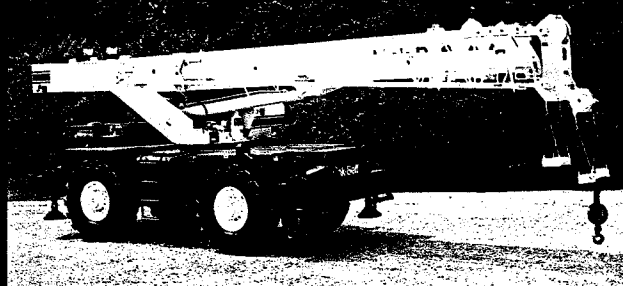
Time Proven Boom Design Over a decade and thousands of hydraulic crane booms later, Link-Belt's exclusive, patented design is unchanged—state-of-the-art—before its time; providing superior capacities, tip heights and reliability.

It is true testimony to Link-Belt's engineering design achievement that this design concept is being imitated today for optimum performance.

NO WELDS IN HIGH STRESS CORNERS

Stowable Attachments

Swing-away lattice flies are easily stored for transportability or can be removed to meet specific road laws.



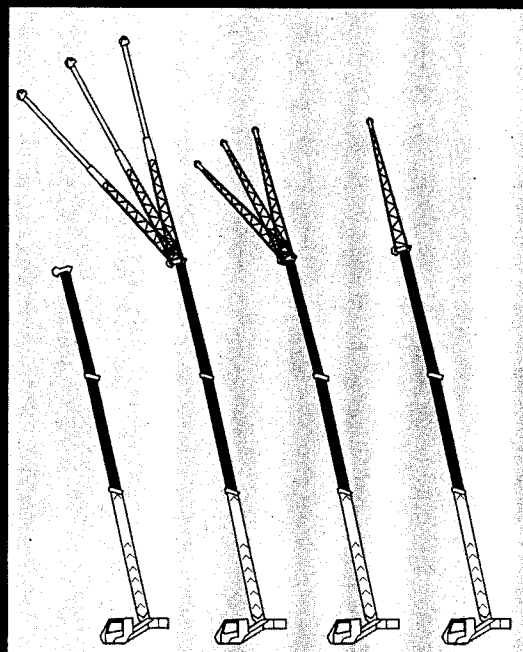
Boom and Attachments

• 27' - 70' (8.27 m - 21.37 m) three section full power, fully synchronized boom.

Attachment Flexibility

Your choice:

- Stowable, 25' (7.62 m) fixed, one piece lattice type fly.
- Stowable, 25' (7.62 m) offsettable (2°, 15° or 30° offset), one piece lattice type fly.
- Stowable, 25' - 43' (7.62 m - 13.10 m) offsettable (2°, 15° or 30° offset) lattice type fly with telescoping box section.



Link-Belt Construction Equipment Company Lexington, Kentucky

A unit of Sumitomo Construction Machinery Co., Ltd.

© Link-Belt is a registered trademark. All rights reserved. Copyright 1990.

We are constantly improving our products and therefore reserve the right to change designs and specifications.

Litho in U.S.A. 9/90

#4121