



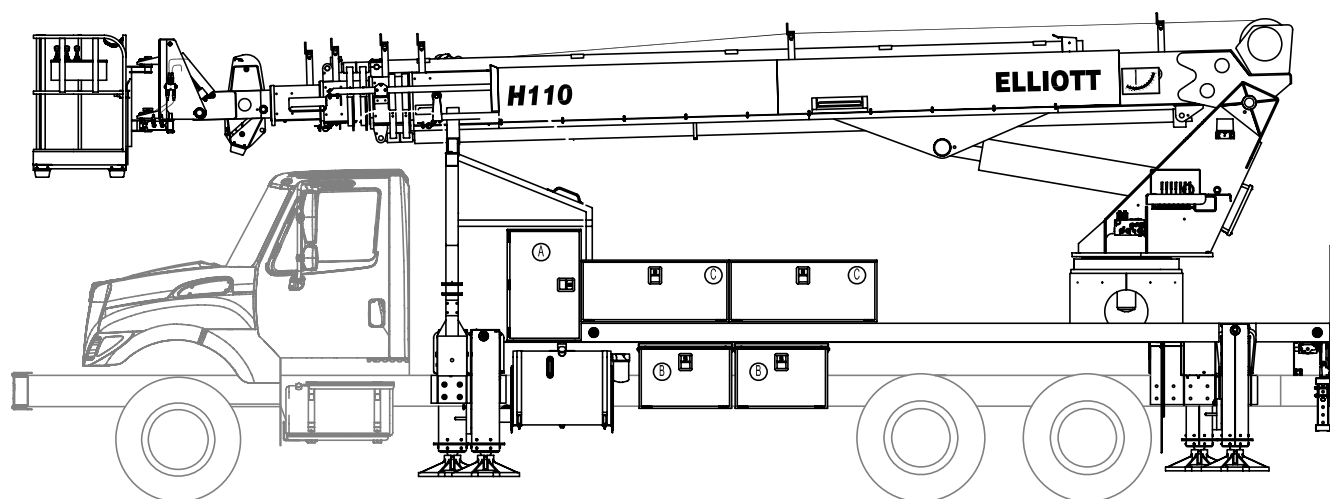
HiReach™

H110R

TECHNICAL SPECIFICATIONS



H110R SIDE VIEW DIAGRAM



• Working Height	110'/33,5 m	• Powered Boom Sections	5
• Working Side Reach	84'/25,6 m	• Overall Height	13'5"/4 m
• Platform Capacity	500 lbs/227 kg	• Unit Weight (Bare)	27,500 lbs/12 474 kg
• Platform Size	40x60"/76x137 cm	• Outrigger Spread Main	22'/6,7m
• Platform Type	EZR	• Outrigger Spread Auxiliary	18'/5,5m
• Lifting Capacity (Main Winch)	14,000 lbs/6350 kg	• Front Gross Axle Weight Rating	18,000 lbs/8165 kg
• Jib Winch	500 lbs/227 kg	• Rear Gross Axle Weight Rating	40,000 lbs/18 144 kg

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EQUIPMENT COMPANY

Elliott Equipment Company
4427 South 76th Circle
Omaha, NE 68127
Phone: 402-592-4500
Fax: 402-592-4553
Email: sales@elliottequip.com

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**HIREACH - H110R****TECHNICAL SPECIFICATIONS****TECHNICAL SPECIFICATIONS**

Maximum Platform Height: 110' ground to platform floor.

Working Range: 110' max. height and 84' max. side reach.

Work Platform: 40x60" EZR removable work platform with 40" high rails. Equipped with two safety lanyard attachment loops and two safety harnesses and 72" lanyards. Platform capacity 500 lbs.

Platform Leveling System: Hydraulic "closed" system consisting of twin platform cylinders interacting with a boom-actuated master cylinder mounted in boom support turret. System provided with factory-set relief valves to compensate for oil expansion or overload during platform leveling operation. Remote releveing controls provided in platform and at ground controls to give precise releveing capability.

Platform Controls: Three individual proportional electronic controllers meter pilot-operated, pressure-compensated modulating valves. Remote controls for boom operations from platform operate from a removable remote control box. Hi/Lo range, start/stop and engine speed toggle controls are also located at platform. Electric remote control cable extends through the electrical slip ring to cable carrier on side of boom to extending boom sections.

Lower Controls: Mounted on streetside of turret.

Outrigger Controls: Parallel open-center stack valve for lever-operated control of right and left outriggers. The outrigger valves are mounted at the rear, under each corner of the bed with roadside valve controlling roadside outriggers and curbside valve controlling curbside outriggers.

Outriggers: "H3" type out-and-down main outriggers with 22' spread. "MH" type out-and-down auxiliary outriggers

with 18' spread.

Frame: One piece, all welded, box-type fabrication.

Turret: Reverse offset turret is one-piece weldment mounted on turret box. Turret rotates on large diameter ball bearing.

Rotation: Continuous turret rotation with no stops. Hydraulic motor drives turret through self-locking gear box.

Boom: Steel rectangular tube sections. Assembly includes heavy-duty cylinder fittings, pivot pins, and replaceable wear pads.

Boom Extension: One "piggyback" internal cylinder and two extension cylinders extend the outer boom sections.

Lift: One single-acting full displacement, long stroke cylinder, provides smooth and stable boom elevation. Holding valve prevents boom from falling in event of hose failure.

Cylinders: All cylinders use microhoned cylinder tubing, chrome shafts, top grade packing and protective rod wipers. Cylinder-mounted holding valves provided on all load-holding cylinders.

Hoses: All high pressure hoses are wire braid reinforced with a minimum safety factor of 4 to 1.

Oil Tank Capacity: 70 gallon mounted to truck frame on roadside.

Hydraulic System: Operating pressure is 2,000 PSI. System is parallel open center type and is equipped with liquid-filled pressure gauge. Oil is supplied to upper cylinders through hydraulic union in center of turret to cable carrier along side of the boom.

Pump: Gear type, direct mount to truck PTO.

PTO: Heavy-duty, high-speed. Cable engaged from cab.

Cab Equipment: PTO cable with

indicator lights installed in truck cab. Engine speed control and start/stop installed with control switches in platform remote control box and also located at lower controls. U/L approved 5:BC dry chemical fire extinguisher installed in truck cab.

Operators Manual & Video: Two CDs and one printed copy of operation, maintenance, safety and parts manual provided with each unit. Operational and safety video provided at delivery.

Installation: Unit installed on truck, painted, system and tank filled with oil, tested, inspected, and ready to operate.

Standard Paint: Paint boom and turret red, outriggers red, and bed and boxes black. Top of bed painted with black nonskid surface.

Bumper: Bureau of Motor Carrier Safety rear bumper.

Weight: Approximately 27,500 lbs. with 22' steel-floor bed less truck.

Truck Chassis Required: Approx. 192" C.T. RBM 2,000,000 in-lb. per rail, 18,000 lb. front axle and 58,000 lb. GVWR required. Trucks must have increased cooling, heavy-duty front and rear springs, 12V electrical system with high capacity alternator, cab clearance stop/tail/backup lights, and I.D. lamps. Recommended GVWR is minimum for HI-REACH with flatbed only. Contact factory when additional equipment is to be added.

Options:

14,000 lb Capacity Boom Winch.

500 lb Capacity Platform Material Handling Jib.

Welder and 110V Lines to Platform.

Custom Toolboxes Configurations.

Much More...

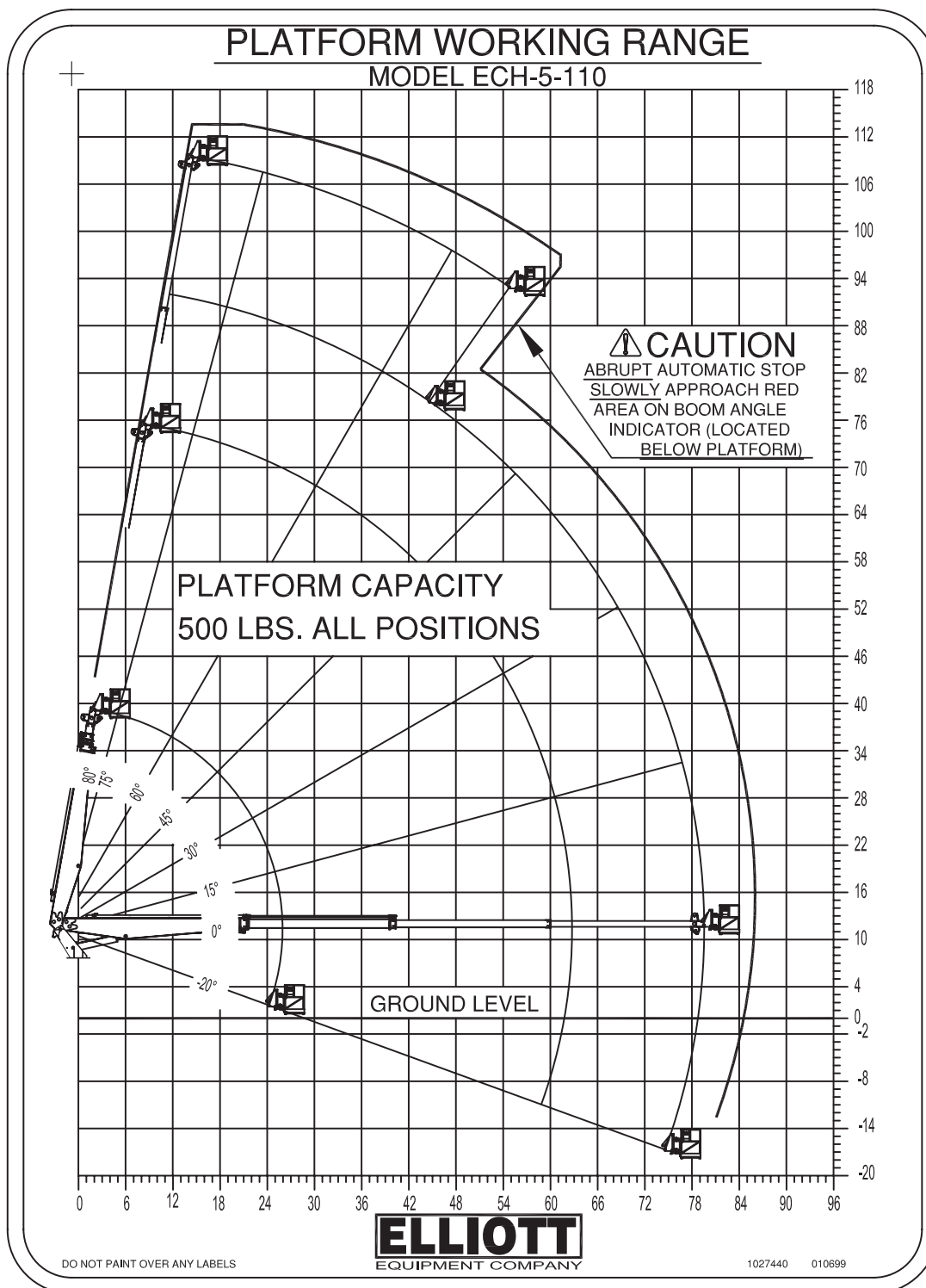
Elliott Equipment Company reserves the right to change the specification of any unit at any time without prior notice. This brochure is only a statement of general specifications on the date of this publication. For more detailed info on specific Elliott trucks go to www.elliottequip.com



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TECHNICAL SPECIFICATIONS

MAXIMUM RANGE CAPABILITIES





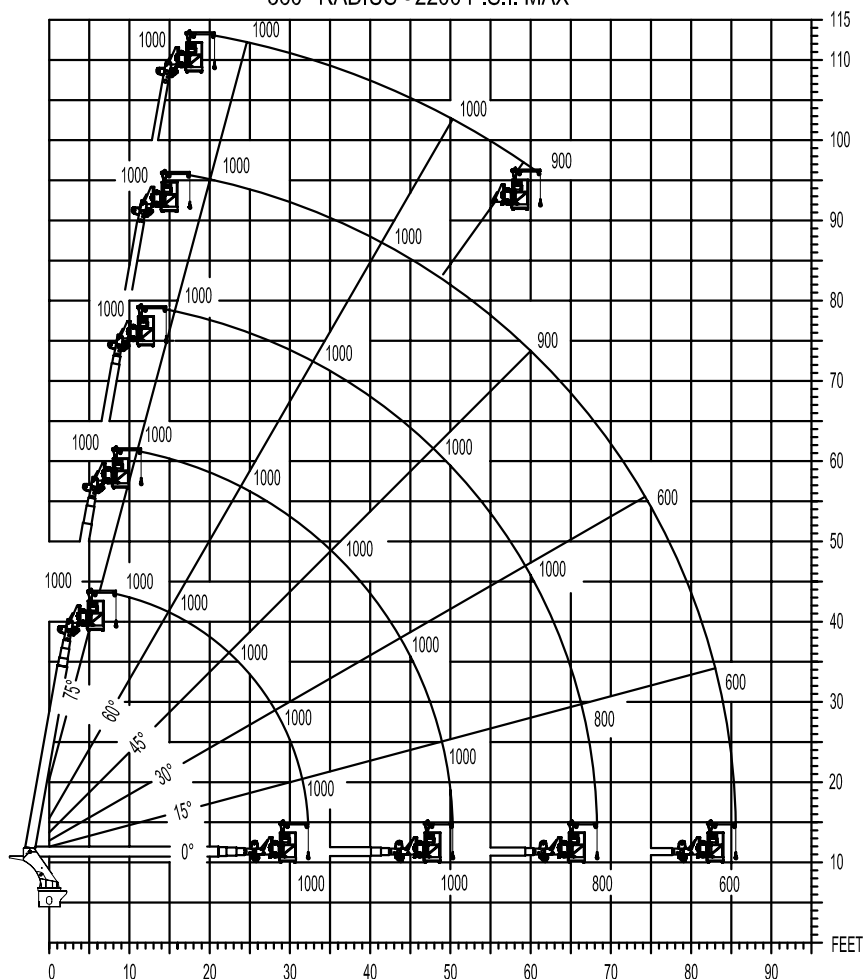
HIREACH - H110R

TECHNICAL SPECIFICATIONS

MAXIMUM JIB LIFTING CAPABILIITES

MAXIMUM WORKING LOADS PLATFORM JIB OPERATION MODEL ECH-5-110 TOTAL PLATFORM CAPACITY (JIB LOAD PLUS PERSONNEL)

USE OUTRIGGERS AT ALL TIMES • AVOID JERKING LOAD
360° RADIUS • 2200 P.S.I. MAX



JIB 500 LBS. MAX. PERSONNEL 500 LBS. MAX.

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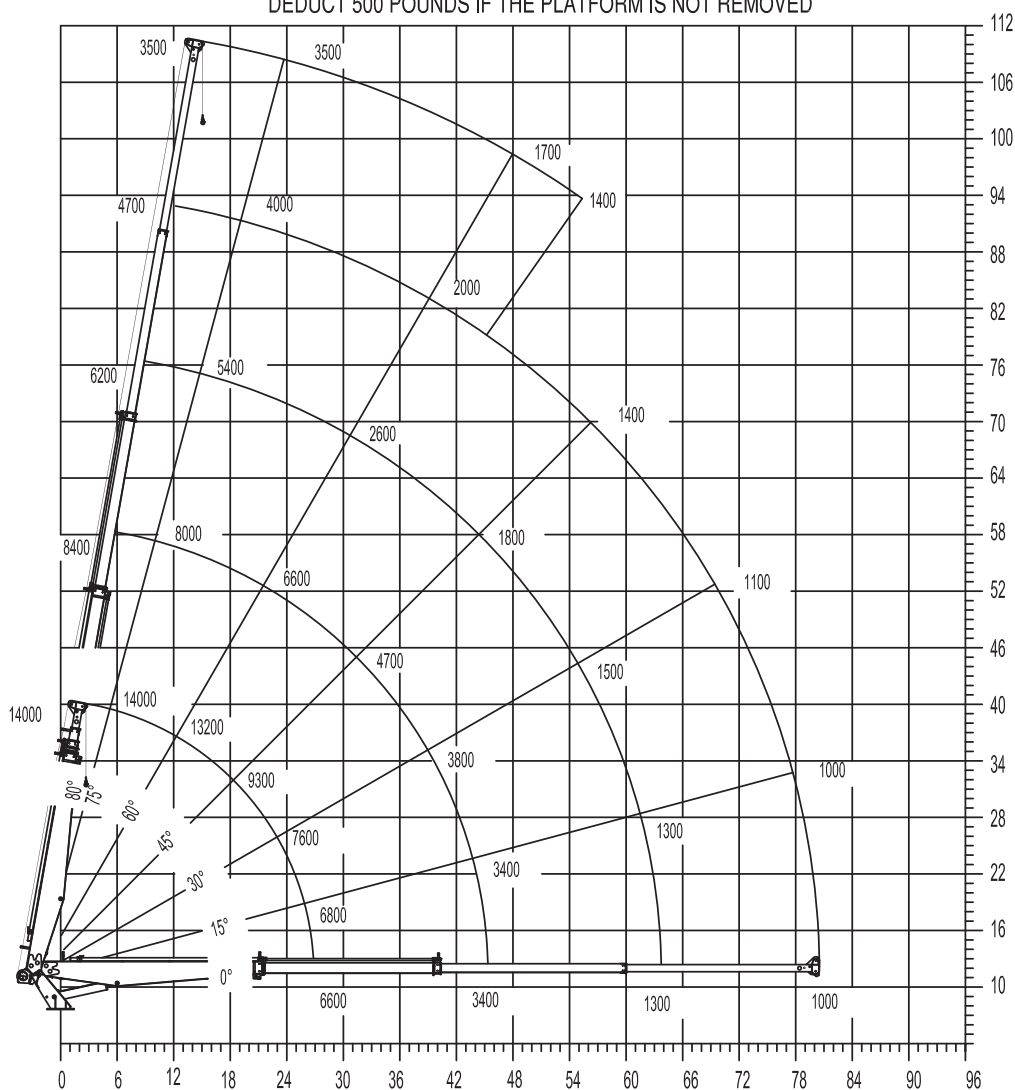
TECHNICAL SPECIFICATIONS

MAXIMUM LIFTING CAPABILITIES

MAXIMUM WORKING LOADS CRANE OPERATION

MODEL H110

USE OUTRIGGERS AT ALL TIMES • AVOID JERKING LOAD
WINCH LINE LOAD WITH BUCKETS OR PLATFORM REMOVED
360° RADIUS • USE 2 PART LINE FOR LOADS OVER 6000 lbs.
DEDUCT 500 POUNDS IF THE PLATFORM IS NOT REMOVED



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DO NOT PAINT OVER ANY LABELS

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**HIREACH - H110R****TECHNICAL SPECIFICATIONS****CHASSIS DATA**

	H110R
Wheelbase (WB)	258" / 655 cm
Cab to Tandem (CT)	192" / 488 cm
Cab to End of Frame (EOF)	292" / 742 cm
Frame Section Modulus	16.6 in3 / 120,000 psi / 827,371 kPa
Front Axle Gross Weight Rating	18,000 lb / 8165 kg
Rear Axle Gross Weight Rating	40,000 lb / 18 144 kg
Extended Front Frame	N/A

OPTIONS**Radio Remote Control**

Interference protected radio remotes let you get closer to your work and have full control over your machine.

**Material Handling Jib**

Equip your HiReach platform with a material handling jib crane to handle up to 500 pounds.

**Boom-Mounted Winch**

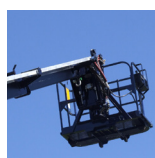
Take advantage of the 14,000 lb capacity 2 speed hydraulic winch with 1/2" cable and a load indication system.

**Outrigger Pad Holders**

Outrigger pad holders safely store your pads for travel and leave plenty of room for tool boxes.

**Bed Accessories**

Mount a wide variety of accessories including welders, power washers, and generators on the bed.

**Platform Accessories**

Choose from a list of platform accessories including 110V outlets, welding leads, hydraulic tools, and much more.

**Outrigger Extensions**

Our pin-on outrigger extensions give you extra clearance for work on hills and around guardrails.

**Line Body**

Let us work with you to customize a line body to secure your tools and supplies the best way for your application.