



| Date: | Quote # |
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| 2/8/2018 | |

Quotation

With offices in Houston and Dallas, Bigge Crane & Rigging Co.. is the leader in crane, rigging and hoist rental in the great state of Texas. Bigge, founded in 1916, and in its fourth generation of ownership, provides one of the most experienced crane rental teams in the country. In addition, Bigge has the newest and most technologically advanced machines while offering our clients the most versatile fleet in the region, with 50 Tower Cranes, 300 Rough Terrain Cranes, 125 Crawler Cranes and 15 Truck Cranes, ensuring that Bigge's customers have the right equipment for any job.

Customer Information:

Billing Address:
2620 South 55th St.
Tempe AZ USA 85282
Phone: (602) 810-0087
Email: Sundt.Construction@sundt.com

Re: Sundt Casino Project Job Site(s)

Bigge Sales Representative:

Sundt Casino Project

Bigge Crane and Rigging Co. hereinafter referred to as "LESSOR" is pleased to provide, the following bare equipment lease rate, to Sundt Construction Co. located at 2620 South 55th St., Tempe, AZ 85282, USA, hereinafter referred to as "LESSEE" for crane service at your jobsite. Price as follows:

Bare Lease

| 220-Ton Crawler Crane | e (Quantity:1) | | |
|-----------------------|-------------------------|---------------------|--|
| Bare Rate | Monthly Rate | \$17,000.00 Month | |
| Freight In | Lump Sum | \$10,250.00 Each | |
| Freight Out | Lump Sum | \$10,250.00 Each | |
| Configuration | | | |
| Main Boom | 160 ' | | |
| Counterweight | 179,100 lb Carbody Coun | terweight 44,000 lb | |

Billing Terms

Minimum Lease Duration 7 Month(s)

Maximum Monthly Hour 200 hrs Maximum Weekly Hour 50 hrs Maximum Daily Hour 10 hrs

Overtime Rate 75 %
Start Date 2/2/2017

| 90-Ton Hydraulic Truck | Crane (Quantity:1) | |
|------------------------|--------------------|-------------------|
| Bare Rate | Monthly Rate | \$20,250.00 Month |
| Freight In | Lump Sum | \$8,600.00 Each |
| Freight Out | Lump Sum | \$8,600.00 Each |
| Configuration | | |

Main Boom 154 ' Counterweight 22000 lb

Billing Terms

Minimum Lease Duration 6 Month(s)

Maximum Monthly Hour 200 hrs Maximum Weekly Hour 50 hrs Maximum Daily Hour 10 hrs

75 % Overtime Rate Start Date 2/2/2017

orrowed Servant

| Technician | | | |
|------------|---------------|---------------|----------------|
| Rate | Straight Time | \$120.00 Hour | 8 Hour Minimum |
| Rate | Over Time | \$150.00 Hour | |
| Rate | Double Time | \$180.00 Hour | |
| | | | |

Borrowed Servant

| Rigger (Quantity:2) | | | |
|---------------------|---------------|---------------|----------------|
| Rate | Straight Time | \$75.00 Hour | 8 Hour Minimum |
| Rate | Over Time | \$105.00 Hour | |
| Rate | Double Time | \$135.00 Hour | |
| | | | |

Excluded in this Proposal

Mats/Rigging

Provided by Others

Sundt will need to provide an operated assist crane for the crawler build, unless otherwise noted. Sundt may also provide the riggers with the supervision of a Bigge tech.

1. STANDARD CLARIFICATIONS:

- a. All leases are subject to applicable taxes.
- b. This lease subject to all terms and conditions of LESSOR's Bare Equipment Lease Agreement. No other terms and conditions will be applicable.
- c. Bare Lease Agreement to be fully executed and on file prior to delivery or release of crane.
- d. An on-rent and off-rent inspection is required. An authorized representative from your company must be present during both inspections.
- e. Weekly lease rates are based on maximum 40 hours per week.
- f. Monthly lease rates are based on maximum 160 hours per month.
- g. Rental for all overtime use in excess of the stated basic shift period shall be computed on a prorata basis at 100% of the base rate.
- h. Second shift will be computed at 100% and third shift, if applicable will be prorated per the base rate.
- i. If LESSOR is responsible for regular maintenance & repair of the leased equipment, then a signed Equipment Service Agreement is required.
- j. If a Technician is required to assist in the erection and dismantling of the equipment or an Operator is required to operate the leased equipment, then a signed Borrowed Servant Doctrine under Addendum #1 is required.
- k. Upon the execution and return of the acknowledgement below accepting this proposal and the terms and conditions contained herein

we will prepare and forward to you the Bare Equipment Lease Agreement for execution.

This proposal is based upon reaching a mutually agreeable contract, referencing this quotation letter, and containing the following additional specific conditions and LESSOR's standard terms and conditions referenced in this document.

- Our proposal and pricing are based on this submittal and all terms and conditions herein forming part of the resulting contract by inclusion.
- Equipment subject to availability and prior commitment.
- Payments: Accounts due and payable, in full, on presentation of invoice no retention.
- This price is firm until 8/8/2018 .
- TAXES LESSEE shall be liable for and shall pay all licenses, permits, fees, taxes and assessments, and penalties and fines, if any, assessed or levied by an public authority against the Equipment, this Quote and the transaction represented thereby, or any interest therein or any part thereof, or arising out of the ownership, use, operation or possession of the Equipment hereunder. Nothing in this paragraph is to be construed as meaning that the LESSEE is to pay the personal property tax levied against the machinery rented when said machinery is delivered within the home state of the LESSOR, as in this case the LESSOR is to pay his own personal property tax. In the event the Equipment is rented outside of the home state of the LESSOR, any and all taxes assessed against the machinery, including personal property tax, are to be paid by the LESSEE.
- In the event LESSOR has to enroll in any mandatory insurance program required by LESSEE or LESSOR, then all costs, including but not limited to, administrative and enrollment fees will be charged to and paid for by LESSEE.
- Pricing provided is net of the OCIP, CCIP, WRAP or any Controlled Insurance Program costs and no further discounts shall be provided.

LESSOR's proposal and pricing are contingent on providing a maximum of \$2 Million General Liability, \$4 Million Aggregate. A request for higher limits not included in a bid specification or advice provided prior to our bid will be subject to an increase in our pricing.



Thank you for the opportunity to be of service,

Biggie
Sales Representative
Email:

Accepted By:

Authorized Representative (please print)

Signature

Date





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- 1. RENTAL TERM: The Rental Term shall start when the Equipment is loaded out for shipment and shall end when the Equipment is returned to point of origin. If LESSEE desires to continue rental of the Equipment beyond the minimum Rental Period specified, LESSEE shall request consent for such extension in writing from LESSOR sixty (60) days before expiration of the minimum Rental Period. LESSEE shall submit a written request for LESSOR's consent if LESSEE desires to change the Rental Start Date. LESSOR may, at its option, terminate this Agreement if such change is more than fourteen (14) days and/or require an Equipment Reservation Fee equal to the monthly rental charge and such other expenses incurred as a result of the change in Rental Start Date. LESSOR reserves the right to deny such request in its sole discretion. LESSOR may recall or LESSEE may return the Equipment to LESSOR on thirty (30) days' written notice to the other party after the expiration of the minimum Rental Period or agreed extension thereto. The Rental Term shall thereupon be extended to the date the Equipment is returned to LESSOR's unloading point or the expiration of such thirty (30) days' notice period, whichever is later. Any such extended rental shall be subject to all applicable terms and conditions hereof. All Rental Rates are based on the maximum hourly usage per month stated herein. If such maximum hourly usage per month is not indicated, then same shall be based on a one hundred and seventy two (172) hours per month. LESSEE shall pay for a proportionate hourly charge for all excess hours of usage. LESSEE shall not be entitled to any abatement, deduction, reduction, set-off, counterclaim, recoupment or defense against rent for any reason, including without limitation any non-working time of the Equipment except as provided otherwise herein or as the Parties may agree in writing. Rental charges shall not be reduced by any unused portion of the rental period increment stated herein (weekly or monthly).
- 2. PAYMENT OF RENTAL: LESSEE shall pay the minimum guaranteed rental as specified on the face of this Agreement and the full rental rates during any extension thereto. The rent payable shall be at the rate specified in this Agreement undiminished by any offset or credit on account of LESSEE's sooner surrender of the Equipment or the reasonable rental value thereof, whether or not thereafter LESSOR shall itself use said Equipment or shall rent any comparable Equipment it may have to others, or on account of any payment by LESSEE of additional rental for overtime use pursuant to the overtime and shift provisions on the face of this Agreement, or of any other charges, costs or damages hereunder; provided, however, that the rental payments, if any, actually received by LESSOR under a new lease for any part of the minimum term shall be credited to LESSEE, subject to repossession, reconditioning, re-leasing costs and all other charges and claims of LESSOR against LESSEE.

LESSEE shall be responsible for and pay: i) all taxes, levies, fees and other public charges against or upon any of the Equipment, including without limitation personal property taxes; ii) all fines, penalties, forfeitures, court costs, expenses and attorneys' fees arising with respect to LESSEE's possession, transportation,

use maintenance or repair of the Equipment, including without limitation, any parking, traffic or other violations assessed against the Equipment, LESSOR or LESSEE; iii) all costs of repairs to the Equipment and any related expenses.

LESSEE shall pay all rents to the offices of LESSOR at BIGGE CRANE AND RIGGING CO. P.O. Box 205220, Dallas, TX 75320-5220 or all overnight mail by special couriers should be sent to the actual site address - Lockbox Services 205220, BIGGE CRANE AND RIGGING CO. 2975 REGENT BLVD, IRVING, TX 75063 and should reflect Lockbox Services and the Lockbox Number in the reference section of the air bill, or at such other place as LESSOR may designate. If requested by LESSOR, LESSEE shall pay rentals monthly in advance; otherwise, LESSOR shall submit monthly rental invoices at the beginning of each rental period and LESSEE shall pay the same in full within ten (10) days of the invoice date.

Unpaid rentals shall bear interest from the due date until paid at 18% per annum or the highest rate allowed by law, whichever is less, and accrual or payment of such interest shall not impair LESSOR's right otherwise to repossess the Equipment or to terminate this lease or to any other remedies it may have.

Any accessories or attachments not included with the Equipment leased hereunder shall be separately furnished by and at the expense of LESSEE. If any such accessories or attachments are ordered prior to the Rental Start Date, LESSEE shall pay such costs within thirty (30) days of invoice. All mobilization and installation costs shall be paid within thirty (30) days of invoice.

- 3. OPERATION, COSTS & REPAIRS: The Equipment shall be inspected by the LESSEE at, or prior to the beginning of the rental term (on-rent inspection) and acceptance of delivery by LESSEE shall constitute acknowledgment that the Equipment received and inspected is then in good and serviceable condition, safe and fit for the use of LESSEE. LESSEE, at its own expense, shall at all times maintain the Equipment in good and safe operating condition and shall pay for all labor, fuel, lubrication, materials, parts and supplies of every nature and kind required to operate and so maintain the Equipment and to make all necessary repairs and replacements thereon including structural and mechanical failure. LESSEE shall immediately inform LESSOR of any damage, accident, or mechanical failures of or involving the Equipment or its operation. LESSEE is not authorized to incur any liability or to expend any money for LESSOR's account for any operating, maintenance or repair cost or expense without prior written authority from LESSOR. Title to any repairs or replacements, and parts and supplies furnished in connection therewith shall vest in the holder of title to the Equipment. LESSEE shall reimburse LESSOR for any third party charges for repairs plus 35% for overhead and administration costs.
- 4. RETURN OF EQUIPMENT: LESSEE shall return the Equipment to LESSOR unencumbered and in the same condition as when received by LESSEE, reasonable wear resulting from proper use alone excepted. Condition shall be determined by an off-rent





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inspection by LESSOR and LESSOR will notify LESSEE of any required repairs within forty-five (45) days of such inspection. The Rental Period will continue throughout such time required to make all necessary repairs for which LESSEE is responsible.

- 5. TRANSPORTATION: LESSEE shall pay all loading and unloading costs and all transportation costs. LESSEE shall furnish timely instructions for shipment and, absent such instructions, LESSOR may ship to railhead or shipping point which LESSOR in good faith believes to be closest to the 'location of use'. LESSOR shall furnish shipping instructions for the return. LESSEE assumes all expense and risk of loss during transportation of Equipment, same being loaded and shipped EXW LESSOR's location or other shipping point designated by LESSOR.
- 6. USE OF EQUIPMENT: LESSEE shall keep and use the Equipment at its place of designated use until LESSOR in writing permits its removal and shall use it only in the conduct of LESSEE's business. In no event will LESSEE use the Equipment to drive pile. At no time shall the Equipment be subjected to improper use, any careless or needlessly rough use or to any use in violation of any federal, state or municipal statue, ordinance or regulation, including State OSHA and FedOSHA, or to any use beyond the safe or manufacturer's rated limits or capacity of the Equipment. The Equipment shall be operated and stored free of any hazards. The Equipment shall not be altered or modified in any way or subjected to addition of any counterweight beyond that furnished with the Equipment. LESSEE shall not remove, alter, disfigure or cover up any numbering, lettering, insignia or signage, including illuminated signage, placed upon the Equipment.

LESSEE shall not, without the prior written consent of LESSOR, except as otherwise provided herein, remove the Equipment or any part thereof from its place of designated use or surrender or part with the possession, custody or control thereof. LESSEE shall, if requested, advise LESSOR of the exact location and condition of the Equipment and LESSOR shall, at reasonable times be given access thereto and afforded necessary facilities for the purpose of inspection.

LESSEE is responsible for ensuring compliance by it and its employees and/or agents, and of the Equipment itself, with all applicable laws and regulations, including without limitation, 29 C.F.R. 1926, subpart CC Cranes and Derricks in Construction and C.F.R. 1910.180 – Crawler Locomotive and Truck Cranes and all applicable ANSI Standards. LESSOR shall have no responsibility of any kind for compliance with any such laws, regulations or ordinances during the period the Equipment is in LESSEES' possession or control.

7. OPERATORS: LESSEE shall be solely responsible for supplying, employing, compensating and authorizing only competent and qualified personnel who are experienced, knowledgeable, trained, and, where required by law, certified and/or licensed, to operate and maintain the Equipment whether or not the operator is an employee of LESSEE. LESSEE shall comply with all applicable laws, rules, regulations and labor agreements relating to employment

of personnel on the Equipment and shall provide and pay for all workmen's compensation insurance, taxes and contributions for social security benefits, unemployment insurance, and union benefits, including any pensions and annuities imposed under any applicable law or labor agreement. LESSEE shall hold LESSOR free and harmless from any liability for any such taxes, insurance, contributions, payments and benefits under any workmen's compensation law, employer's liability or other expense.

- 8. BORROWED SERVANTS: LESSOR will make one or more Operators/Technicians available for assembly and/or operation of the Equipment. Operators/Technicians are supplied to LESSEE under the Borrowed Servant Doctrine as borrowed servants or employees of LESSEE. LESSEE shall supervise and have the right to control the work of the Operators/Technicians and shall be fully liable for any and all loss or damage, including property damage and bodily injury or death as a result of the acts or omissions of Operators/Technicians provided hereunder. The terms of the attached Borrowed Servant Addendum are incorporated into this Agreement.
- 9. INDEMNITY: TO THE FULLEST EXTENT PERMITTED BY LAW, LESSEE SHALL HOLD LESSOR, ITS AGENTS, EMPLOYEES AND ASSIGNS, FREE AND HARMLESS FROM AND INDEMNIFY AND DEFEND LESSOR AGAINST ANY AND ALL SUITS, ACTIONS, PROCEEDINGS, CLAIMS, DEMANDS, LIABILITIES, COSTS AND CHARGES, LEGAL EXPENSES, DAMAGES OR PENALTIES OF ANY NATURE, ACTUALLY OR ALLEGEDLY ARISING OUT OF OR RELATED TO EQUIPMENT FURNISHED BY LESSOR OR TO ANY ALLEGED ACTIONS OR OMISSIONS BY LESSEE, INCLUDING, BUT NOT LIMITED TO, THOSE RESULTING FROM, OR CLAIMED TO RESULT FROM INJURY, DEATH OR DAMAGE TO ANY AND ALL PERSONS, EMPLOYEES OR PROPERTY IN ANY WAY ARISING OUT OF LESSEE'S WORK OR ANY PERSON ACTING FOR OR ON BEHALF OF LESSEE. THIS AGREEMENT APPLIES TO CLAIMS, DEMANDS OR LIABILITY FOR INJURY OR LOSS CAUSED OR CONTRIBUTED TO BY THE NEGLIGENCE OR OTHER MISCONDUCT OF LESSOR. LESSEE, HOWEVER, SHALL HAVE NO LIABILITY FOR THE ACTIVE NEGLIGENCE OR WILLFUL MISCONDUCT OF LESSOR. THE DUTY OF THE LESSEE HEREIN TO DEFEND AND INDEMNIFY LESSOR SHALL ARISE AS OF THE TIME OF THE TENDER OF DEFENSE.
- 10. INSURANCE: LESSEE is obligated to procure and produce upon LESSOR's request commercial general liability insurance with limits not less than \$2,000,000 and in no event less than \$2,000,000 per occurrence and in the aggregate, or such higher amounts as, in the opinion of LESSOR, are needed to protect LESSOR and LESSEE against any and all such liability or risk of loss and to cover LESSEE's obligations herein. If the LESSEE chooses to carry insurance coverage above the minimum described herein, including excess or umbrella coverage, said additional coverage shall be endorsed to also extend to LESSOR to include all the terms and conditions set forth herein.





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LESSOR shall be named as an additional insured without limitation on LESSEE's insurance and the coverage shall include an endorsement that states that such insurance shall be primary and any insurance maintained by LESSOR, including both primary and excess insurance, shall be excess and noncontributing. The coverage shall contain an endorsement that waives subrogation against LESSOR. The deductible, if any, for the insurance shall be paid by and for the account of LESSEE, and LESSOR shall be entitled to fully recover from LESSEE's insurance carrier, and all such payments shall be made directly and solely to LESSOR.

Should LESSEE come onto LESSOR's yard to pick-up, haul and drop off the Equipment, then LESSEE shall be obligated to procure auto commercial liability insurance with a combined single limit not less than \$1,000,000 for property damage and bodily injury. Such coverage shall name LESSOR as additional insured under an endorsement and shall contain an endorsement that waives subrogation against LESSOR. In addition, LESSEE shall be obligated to procure cargo insurance covering the full stated value of the Equipment LESSEE is hauling from LESSOR's yard to another location.

LESSEE shall be obligated to procure fire and extended coverage insurance, naming LESSOR as Loss Payee, for the full stated value of the Equipment, as listed in the agreement, for any and all loss or damage to the Equipment occasioned by fire, theft, flood, explosion, overturn, accident, acts of God or any other cause that may occur during the rental term.

LESSEE shall be obligated to procure and produce upon LESSOR's request workers compensation insurance and employer's liability insurance upon all of its employees and the employees of its subcontractors. The coverage shall contain an endorsement that waives subrogation against LESSOR. LESSEE's obligations hereunder shall not be limited by the amount of insurance provided. If LESSEE is based in and the location of Equipment use is in a monopolistic state where waiver of subrogation is not obtainable, then LESSEE is not required to submit a waiver of subrogation endorsement.

The above insurance policies shall be with companies acceptable to LESSOR. LESSEE shall be obligated to procure and produce upon LESSOR's request certificates of insurance and endorsements evidencing such insurance in form acceptable to LESSOR and naming LESSOR as certificate holder prior to the Equipment being shipped, which shall provide that such insurance may not be canceled without Thirty (30) days written notice to LESSOR in advance. If LESSOR shall, for any reason, fail to enforce any requirement for any insurance as provided in this Agreement, or if LESSEE is in default of its obligation to obtain any such insurances,

the failure to provide insurance shall constitute an agreement by LESSEE to indemnify LESSOR against any and all loss which such insurance would otherwise have covered, including all special and consequential damages regardless of whether the same are foreseeable.

LESSOR shall not participate in any wrap-up or Owner Controlled Insurance Program and any costs related thereto shall be paid by LESSEE.

- 11. DAMAGE TO EQUIPMENT: In the event the equipment is damaged in any way or form, other than normal operating wear, LESSEE shall notify LESSOR immediately of the incident and describe the extent of the damage. Repairs to boom sections are not to be attempted without express consent of LESSOR. All repairs to the equipment shall be at the expense of LESSE (excluding latent manufacturing defects) and LESSEE shall provide full documentation to LESSOR. The rental period will continue throughout such time required to make all necessary repairs for which LESSEE is responsible. Should Equipment not be repairable, LESSEE must pay full replacement value plus applicable taxes.
- 12. PREVENTIVE MAINTENANCE: LESSEE is responsible, at its own cost, to schedule and perform maintenance, adjustments and repairs on the Equipment in accordance with the Equipment manufacturer's specifications and applicable laws and regulations, including without limitation OSHA and DOL.

LESSEE shall be responsible for performing all normal basis service, including without limitation all filters, lubrications, protection against freezing and repair of any parts affected by exposure to the elements. LESSOR has the right but not the obligation to inspect the Equipment at any time during normal working hours. However, LESSEE agrees that LESSOR has no control over the Equipment's use, operation, maintenance and/or repair while in LESSEE's possession, control and/or supervision. LESSEE shall provide LESSOR with prompt access to the Equipment to properly maintain and/or repair the Equipment if LESSEE fails to do so or upon LESSOR's request, all at LESSEE's expense. LESSOR shall have the right to make and/or direct all repairs required due to any accident, at LESSEE's expense. All repairs shall meet manufacturer's specifications and be certified by the manufacturer and/or qualified inspector/certifier

OSHA and DOL regulations require daily, monthly (or other periodic) and annual inspections. LESSEE is solely responsible for conducting and properly documenting these inspections and for otherwise ensuring that the Equipment meets and is operated in accordance with OSHA and DOL requirements and ANSI Standards. LESSOR furnishes the following items with each crane to assist LESSEE with said compliance: i) crane logbook, ii) operator's manual; iii) fire extinguisher; and iv) load chart. LESSEE shall pay all costs associated with the replacement of any such item supplied and not returned in usable condition upon return of the Equipment.





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LESSEE shall keep a written record of all inspections and shall be responsible for keeping the crane logbook current and accurate while the Equipment is in LESSEE's possession or control and shall be solely responsible for any liability for failure to do so. If LESSEE operates the Equipment in adverse or corrosive environments, LESSEE shall take all reasonable measures to protect the Equipment from damage from those environments.

LESSOR may provide maintenance and repair services for a fixed monthly fee if agreed to under separate Repair Agreement Addendum to this contract. In such event, LESSOR's repair personnel shall be Borrowed Servant of LESSEE as stated herein.

- 13. ASSIGNMENT: Any assignment, transfer, subletting or hypothecation of this lease or any interest therein or of the Equipment or any part thereof by LESSEE without the prior written consent of LESSOR shall be void. If LESSOR shall assign this lease or any rights or the rental payable hereunder, assignee's rights shall be free and independent of any claim or offset of LESSEE against LESSOR. LESSEE upon receiving notice shall abide to the assignment and make payment as directed. In the event of such an assignment, the term "LESSOR" as used herein shall refer to LESSOR'S assignee.
- 14. TAXES: LESSEE shall be liable for and shall pay all licenses, permits, fees, taxes and assessments, and penalties and fines, if any, assessed or levied by any public authority against the Equipment, this Agreement and the transaction represented thereby, or any interest therein or any part thereof, or arising out of the ownership, use, operation or possession of the Equipment hereunder. Nothing in this paragraph is to be construed as meaning that the LESSEE is to pay the personal property tax levied against the machinery rented when said machinery is delivered within the home state of the LESSOR, as in this case the LESSOR is to pay his own personal property tax. In the event the Equipment is rented outside of the home state of the LESSOR, any and all taxes assessed against the machinery, including personal property tax, are to be paid by the LESSEE.
- 15. TITLE: Title to the Equipment shall at all times remain in LESSOR exclusively. LESSEE shall keep the Equipment free from any and all liens, claims and encumbrances and shall not do or permit any act or thing whereby LESSOR's rights, title or interest in the Equipment or in this Agreement may be encumbered or impaired.
- 16. TERMINATION, REPOSSESSION AND ATTORNEY'S FEES:
 LESSOR reserves the right to terminate this Agreement for its convenience at any time. LESSOR shall have the right to terminate this Agreement if: 1) LESSEE fails to make any payment as herein provided; 2) at any time during the term hereof, fails to perform any of the terms and conditions LESSEE is obligated to perform; 3) becomes insolvent or makes an assignment for the benefit of creditors or becomes the subject of any reorganization or bankruptcy proceeding; 4) LESSEE changes the Rental Start Date by more than fourteen (14) days; and/or 5) if LESSOR shall

deem it to be to its best interest to do so to protect its interests or protect the Equipment against loss or damage. Upon termination of this Agreement for whatever cause or reason, then LESSOR and its agents or representatives may, in addition to any other rights or remedies it may have hereunder or at law or in equity, without notice or demand or liability or legal process, demand LESSEE halt further operation of the Equipment, enter any premises where said Equipment is or is believed to be located and take any actions necessary to secure and protect the Equipment from further use, repossess all or any part thereof. LESSEE expressly waives all further rights to possession of the Equipment and all claims for injury suffered through or loss caused by such termination and/or repossession. If LESSOR shall repossess the Equipment or shall institute any proceeding to recover any monies due hereunder to recover possession of the Equipment or any part thereof or to enforce any term or condition hereof, LESSEE shall pay LESSOR's costs incurred therein including LESSOR's attorney's fees, expert fees, litigation expenses other than costs of suit permitted by statute and all costs of suit. LESSEE stipulates that expert fees and litigation expenses other than costs of suit may be recovered by post-judgment motion and need not be proven at trial. LESSOR's rights hereunder are cumulative and not exclusive or alternative.

17. LIMITATION OF WARRANTIES AND LIABILITY: LESSOR WARRANTS THAT IT HAS THE RIGHT TO LEASE THE EQUIPMENT TO LESSEE AND THAT DURING THE RENTAL TERM, LESSEE SHALL HAVE AND ENJOY QUIET POSSESSION OF THE EQUIPMENT AGAINST ANY LAWFUL CLAIMS AGAINST THE LESSOR. THIS EQUIPMENT IS LEASED WHERE IS, AS IS, AND LESSOR MAKES NO REPRESENTATION OR WARRANTY OF ANY KIND THAT THE **EQUIPMENT IS OR SHALL BE FIT OR SUITABLE FOR ANY** SPECIFIC PURPOSE OR PURPOSES OF LESSEE, INCLUDING MERCHANTABILITY, WHETHER OR NOT DISCLOSED OR KNOWN TO LESSOR. EXCEPT AS EXPRESSLY CONTAINED HEREIN, LESSOR MAKES NO WARRANTY EXPRESS OR IMPLIED WITH RESPECT TO THE EQUIPMENT OR ANY PART THEREOF, NOR ANY REPRESENTATION, PROMISE OR AGREEMENT. LESSEE HAS RELIED SOLELY AND EXCLUSIVELY ON ITS OWN JUDGMENT, EXPERTISE AND CRITERIA IN SELECTING AND INSPECTING THE EQUIPMENT.UNLESS OTHERWISE EXPRESSLY REPRESENTED, LESSOR IS NOT THE MANUFACTURER OF THE EQUIPMENT. LESSOR EXTENDS WARRANTIES, EXPRESS OR IMPLIED, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, DESIGN, MATERIALS, OR OTHERWISE, EXCEPT AS SET FORTH IN THIS AGREEMENT. IN NO EVENT SHALL LESSOR OR THE MANUFACTURER (OR ITS COMPONENT SUPPLIERS) OF THE EQUIPMENT BE LIABLE FOR ANY DELAY, WORK STOPPAGE, LOSS OF USE OF EQUIPMENT. LOSS OF TIME, INCONVENIENCE, LOSS OF PROFIT, OR ANY DIRECT, INDIRECT, INCIDENTAL, LIQUIDATED, SPECIAL OR CONSEQUENTIAL DAMAGES.





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THE SOLE AND EXCLUSIVE REMEDY OF LESSEE FOR ANY BREACH, ERROR AND/OR OMISSION BY LESSOR OF THIS AGREEMENT SHALL BE THE SUSPENSION OF THE RENTAL CHARGES DURING THE PERIOD OF TIME THE EQUIPMENT IS NOT IN OPERATION OR FOR ANY DELAYS IN DELIVERING, INSTALLING, JUMPING. REPAIRING/MAINTAINING, AND/OR REMOVING THE EQUIPMENT. NOTWITHSTANDING ANYTHING TO THE CONTRARY, LESSOR SHALL NOT BE LIABLE FOR ANY DIRECT, CONSEQUENTIAL, PUNITIVE, INCIDENTAL OR LIQUIDATED DAMAGES, EXCEPT AS EXPRESSLY STATED IMMEDIATELY ABOVE. IN NO EVENT WILL LESSOR'S LIABILITY ARISING OUT OF CONTRACT OR TORT OR ANY OTHER CAUSE OF ACTION EXCEED THE RENTAL RATE FOR ONE (1) MONTH AS STATED HEREIN.

- 18. NOTICES: All notices required to be given hereunder may be served personally on the party to be given such notice, by electronic mail, or sent by certified or registered mail with postage prepaid to the address given herein unless a different address is hereafter specified. LESSEE shall provide accurate and timely information for purposes of serving preliminary notices.
- 19. SUCCESSORS & ASSIGNS: This Agreement and the terms and conditions hereof shall bind the parties hereto, their heirs, successors, legal representatives and assigns.
- 20. APPLICABLE LAW, NON-WAIVER, SEVERABILITY: The interpretation of this Agreement and the execution and performance thereof shall be governed by the laws of the State of California. The sole and exclusive venue for any disputes arising

from this Agreement shall be in a court of competent jurisdiction in Alameda County, California. Time is of the essence.LESSOR's failure to require strict performance by LESSEE of any of the provisions hereof shall not constitute a waiver of LESSOR'S rights thereafter to demand strict compliance therewith or with any other provision hereof. If any provision of this Agreement is found to be invalid, the balance of the Agreement shall not be rendered invalid or unenforceable and to the greatest extent possible, the invalid provision shall be reformed to make the provision lawful and consistent with the intentions of the parties.

21. EXCLUSIVE AGREEMENT: This Agreement, when duly executed by LESSOR, is the only form of Agreement LESSOR will recognize and constitutes the sole and entire Agreement between the parties hereto. No Equipment shall be shipped until this Agreement has been fully executed by both parties, but in any event shipment by LESSOR and receipt by LESSEE shall constitute acceptance by both parties of these General Conditions as applicable to the rental of the Equipment. Paragraph headings of this lease are inserted only for convenience and in no way define, limit or describe the scope or intent of this lease or affect its terms and provisions. All different or additional terms are hereby rejected and will not become part of any agreement formed by the parties. It is expressly agreed and understood that LESSOR shall not be bound by any agreement, warranty or representation, express or implied, except as contained in the Agreement. No representative, agent or employee of LESSOR, except the Contract and Risk Manager, has the authority to amend or modify this Agreement or to change or waive any of its terms and conditions. No modification hereof shall be binding on LESSOR unless in writing and signed by LESSOR.



Crawler Crane Product Data

Tel: (888) 337-BIGGE or (510) 638-8100

Web: www.bigge.com



Manitowoc National Crane Potain

Manitowoc 1400c **Product Guide**



Features

- 200 mton (220 ton) capacity
- 865 m-ton (6,267 ft-kips) Maximum Load Moment
- 89 m (292') Heavy-Lift Boom
- 98,4 m (323') Fixed Jib on Heavy-Lift Boom
- 113,8 m (373') Luffing Jib on Heavy-Lift Boom
- 253 kW (340 HP) engine

Bigge

Features

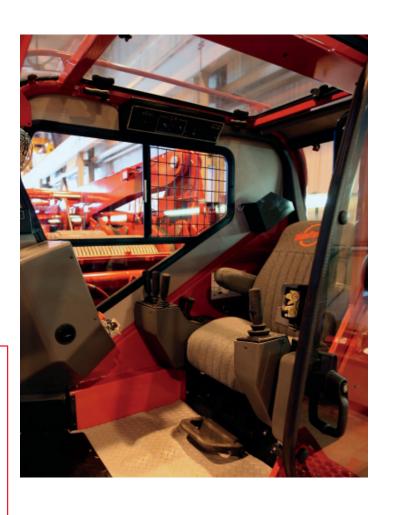
EPIC®

Manitowoc's field-proven Electronically Processed Independent Controls (EPIC) system delivers high productivity and precise load control by instantly matching a crane's commands to the crane function . EPIC's microprocessor and sensors also maximize a Manitowoc crane's overall reliability and simplify servicing by pinpointing any problem in the crane's engine, power transmission or other operating systems. In addition, EPIC increases versatility by easily tailoring a Manitowoc crane's operation for specialized applications, with or without attachments. EPIC is a key reason no other crane can match the performance and reliability of Manitowoc.



Manitowoc's patented Fast Aligning Connection Technology (FACT) automatically aligns crane components for fast, easy assembly.







Crawler Drive Shafts

These eliminate the need to disconnect hydraulic systems for shipment—simplifying crawler removal and assembly.



Hydraulics

Our closed-loop system provides a separate hydraulic circuit to power each crane function. The result is truly independent, variable-speed operation of the swing, load hoist, boom hoist and travel functions.

Contents

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Specifications

Upperworks



Engine

Cummins Model QSL 8.9 liter diesel, 6 cylinder, 253 kW (340 BHP) @ 1800 governed RPM.

Includes engine block heater (120 V), air heater starting aid (24 V), oil heater starting aid (120 V), high silencing muffler, radiator and fan.

Multiple hydraulic pump drive transmission provides independent power for all machine functions.

Two 12 volt maintenance-free, Group 8D batteries, 1375 CCA at -18°C (0° F), 24 volt starting and 70 amp

One 568 I (150 gal) capacity diesel fuel tank, mounted on right side of upperworks, with level indicator in operator's cab.



Controls

Modulating electronic-over-hydraulic controls provide infinite speed response directly proportional to control lever movement. Controls include Manitowoc's exclusive EPIC Electronically Processed Independent Control system providing microprocessor driven control logic, pump control, on-board diagnostics and service information.

Block-up limit control is standard for hoist and whip lines.

Rated Capacity Indicator system (RCI) is standard for main boom and upper boom point. "Function cut-out" or "warning only" operation is available via programmable configuration.

Travel and swing alarms are standard.



Hydraulic System

Six high-pressure piston pumps are driven through a multi-hydraulic pump transmission. These six pumps provide independent "closed loop" hydraulic power for front drum, rear drum, boom hoist system, swing system, and both left and right crawler operation.

| System | kg/cm2 (psi) | lpm (gpm) |
|---------------|--------------|-----------|
| Front Drum | 422 (6,000) | 300 (80) |
| Rear Drum | 422 (6,000) | 300 (80) |
| Boom Hoist | 422 (6,000) | 227 (60) |
| Swing System | 422 (6,000) | 227 (60) |
| Left Crawler | 422 (6,000) | 227 (60) |
| Right Crawler | 422 (6,000) | 227 (60) |

Hydraulic reservoir capacity is 300 I (79.25 gal) and is equipped with breather, sight and electrical level indicator, clean out access, and internal diffuser.

Each function is equipped with relief valves to protect the hydraulic circuit from overload or shock.

Replaceable, ten micron (absolute) full flow tank filter is furnished in the hydraulic circuit. All oil is filtered prior to return to the hydraulic reservoir.

Hydraulic system also includes pump transmission disconnect clutch & hydraulic oil cooler.



Drums

Two equal width winches are driven by independent variable displacement axial piston hydraulic motors through planetary reduction mounted on separate front and rear shafts with anti-friction bearings. Drums are grooved for 26 mm rope.

Powered hoisting/lowering operation is standard with automatic (spring applied, hydraulically released) multi-disc brakes, and drum rotation indicators.

- Optional: Free-fall operation for front and/or rear drums(s).
- Optional: Auxiliary (third) hydraulic powered drum mounted in boom butt. Includes third drum control system. Auxiliary drum is used as the luffing hoist when machine is equipped with a luffing jib.
- Optional: Auxiliary drum preparation includes electric wiring, controls, hydraulic selector valve and plumbing.



Boom Hoist

Independent boom hoist consists of drum grooved for 22 mm diameter wire rope. Includes 22 mm diameter wire rope for 20 part line reeving.

Drum is powered by a variable displacement hydraulic motor coupled to an internal brake and planetary gearbox equipped with ratchet and pawl.



Mast and Gantry

Moving mast is 8,2 m (27') long and connects the boom hoist reeving to the steel boom suspension strap rigging. When used with optional self-erect package, the mast is utilized for crane assembly and disassembly. It is capable of lifting and positioning the crawler assemblies, stacking the counterweights and assembling the boom and jib.





BİGGE

Specifications

Gantry includes gantry raising cylinders capable of lifting the entire upperworks counterweight for removal and installation. Back hitch telescopes from storage to working position and is locked with power-actuated pins. Counterweight is suspended from gantry with straps.

Spring cushioned boom stop and automatic boom stop standard.



Counterweight

| QTY. | ITEM | UNIT W | /EIGHT | TOTAL | WEIGHT |
|------|---------------------------|------------|---------|---------|---------|
| | | kg | lb | kg | lb |
| 1 | Upperworks Tray | 9 965 | 22,092 | 9 965 | 22,092 |
| 6 | Upper Side Box | 7 938 | 17,500 | 47 628 | 105,000 |
| | | Series | 1 Total | 57 593 | 127,092 |
| 1 | Upperworks Center Box | 2 680 | 5,908 | 2 680 | 5,908 |
| 2 | Upper Side Box | 7 938 | 17,500 | 15 876 | 35,000 |
| 2 | Carbody Lower Box | 12 020 | 26,500 | 24 040 | 53,000 |
| | Optional: Add to Series 1 | for Series | 2 Total | 100 189 | 221,000 |

Series 1 and Series 2 counterweight configurations. Includes connecting pins, brackets, and stops.



Swing System

High strength fabricated steel alloy rotating bed is mounted on 2,76 m (108-9/16") diameter turntable single-row ball bearing.

Independent swing powered by a fixed displacement hydraulic motor coupled to a planetary gearbox with internal brake.

Swing system maximum speed: 2.3 rpm.



Operator's Cab

Fully enclosed and insulated steel module is equipped with sliding door, large safety glass windows on all sides and roof. Signal horn, cab space heater, front and roof windshield wipers, air conditioning, dome light, sun visor and shade, fire extinguisher and air circulating fan are standard.

Optional: Tilt cab.

Optional: Nylon protective window covers.

Lowerworks



Carbody

Connects rotating bed to crawler assemblies. High strength fabricated steel assembly with FACT™ connection system for fast installation and removal of crawler assemblies.

Crawlers

Crawler assemblies are 8,3 m (27' 2") long with 1,22 m (48") wide cast steel crawler pads. Each crawler is identical and can be mounted on either side of the carbody. Each crawler is powered independently by a variable displacement hydraulic motor and includes two hydraulically powered pin actuators for fast installation and removal from carbody. Carbody mounted drive motors are connected to crawler final reduction via telescoping shafts. This permits crawlers to be removed without opening their hydraulic circuits. Crawlers provide ample tractive effort that allows counter rotation with full rated load. Maximum ground speed of 1,8 kph (1.1 mph).

Optional: Self-Erect system includes: carbody jacking cylinders with pads, controls, 27,2 mton (30 ton) assembly block, boom-butt installation support, gantry cylinders and crawler handling chain.

Attachments



No. 76 Heavy-Lift Main Boom

The liftcrane is equipped with a 20 m (65.6') No. 76 basic heavy-lift tubular chord boom consisting of a 5,5 m (18') butt, 5,5 m (18') insert, and 9 m (30') top with seven 76,2 cm (30") diameter roller bearing sheaves in 3 sheave packs. Includes rope guides, boom hoist wire rope, and boom angle indicator. The No. 76 boom utilizes steel suspension straps and Manitowoc's patented, exclusive FACT™ connection system. The FACT™ connection system consists of two hooks, two horizontal connection pins and alignment pads for each boom connection location.

Powered boom hinge system including cylinder, piping, operating controls and locking device standard.

Luffing jib preparation included as standard.





Model 14000



Specifications

Optional: 3,0 m (10'), 6 m (19'), and 12 m (39') No. 76 boom inserts with steel boom suspension straps, and FACT™ connection system.

Note: Only one 3,0 m (10') insert is allowed in the boom configuration.



No. 134 Fixed Jib

- Optional: No. 134 basic tubular chord fixed jib 9,1 m (30') in length consisting of 4.6 m (15') jib butt and 4,6 m (15') jib top with 3,7 m (12') jib strut, pendants and backstay. Includes RCI hardware. For use with boom No. 76.
- Optional: No. 134 fixed jib inserts 3,0 m (10') and 6,1 m (20') with pendants.

Utilize fixed jib inserts in combination with the No. 134 basic fixed jib for total lengths up to 24,4 m (80').

Note: Jib lengths greater than 18,3 m (60') require the use of at least one 6,1 m (20') No. 134 fixed jib insert.



No. 135 Luffing Jib

- Optional: 21,3 m (70') basic No. 135 tubular chord luffing jib assembly with RCI hardware consisting of 8,2 m (27') butt, 6,1 m (20') insert, and 7,0 m (23') top with two 68,6 cm (27") straight roller bearing sheaves and pin connected jib sections, pendants, fixed strut, jib strut, backstay pendants, boom point wheel, 26 mm luffing jib hoist line. For use with No. 76 boom.
- Optional: 3,0 m (10'), 6,1 m (20'), and 12,2 m (40') No. 135 inserts with pendants. Utilize luffing jib inserts in combination with the No. 135 basic luffing jib for total lengths up to 57,8 m (170').

Note: Only one 3,0 m (10') insert is allowed in the luffing jib.

Optional Equipment

Optional: Blocks and Hooks -

13,6 mton (15 ton) swivel hook and weight ball.

27,2 mton (30 ton) hook block with one 76,2 cm (30") sheave for 26 mm wire rope with swivel hook, hook latch and swivel lock (assembly block).

54 mton (60 ton) hook block with two 76,2 cm (30") sheaves for 26 mm wire rope with swivel hook, hook latch and swivel lock.

91 mton (100 ton) hook block with three 76,2 cm (30") sheaves for 26 mm wire rope with swivel hook, hook latch, and swivel lock.

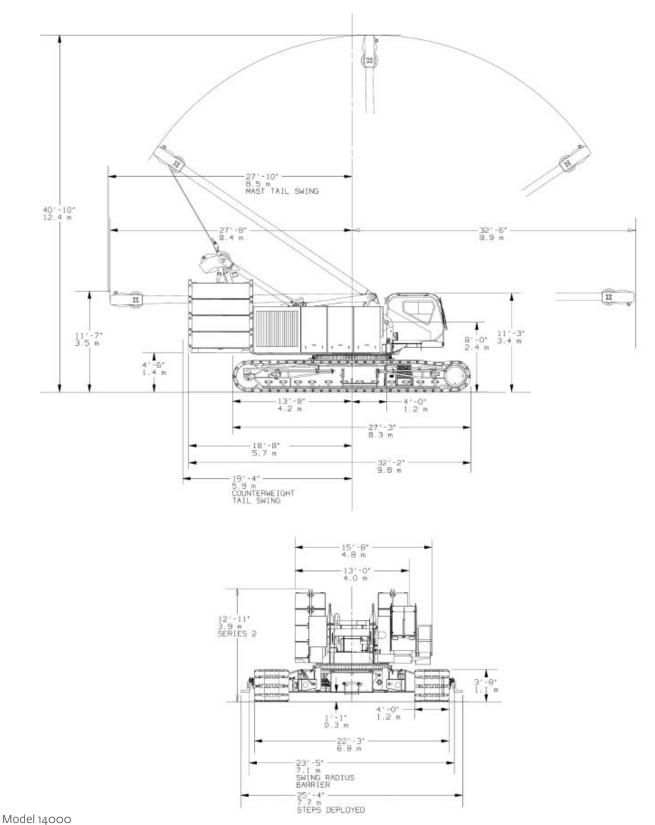
140,6 mton (155 ton) hook block with six 76,2 cm (30") sheaves for 26 mm wire rope with swivel hook, hook latch, and swivel lock.

200 mton (220 ton) hook block with seven 76,2 cm (30") sheaves for 26 mm wire rope with swivel hook, hook latch, and swivel lock.

Hoist Reeving for Main Load Block - Single Lead Line 26 mm - No. 76 Main Boom

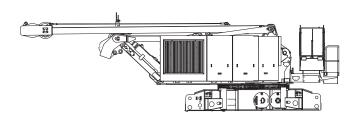
| No. Parts of Line | Maximum Load | |
|-------------------|--------------|---------|
| | kg | (lb) |
| 1 | 14 290 | 31,500 |
| 2 | 28 580 | 63,000 |
| 3 | 42 860 | 94,500 |
| 4 | 57 150 | 126,000 |
| 5 | 71 440 | 157,500 |
| 6 | 85 730 | 189,000 |
| 7 | 100 020 | 220,500 |
| 8 | 114 310 | 252,000 |
| 9 | 128 590 | 283,500 |
| 10 | 142 880 | 315,000 |
| 11 | 157 170 | 346,500 |
| 12 | 171 460 | 378,000 |
| 13 | 185 750 | 409,500 |
| 14 | 200 030 | 441,000 |

- Optional Hydraulic Test Kit: required to properly analyze the performance of the EPIC® control system.
- Optional Service Interval Kits: for the regularly scheduled maintenance of general crane operations.
- Optional Special Paint: in color(s) other than Manitowoc standard red and black.
- Optional Special Customer Decals: custom vinyl decal(s) of name and/or logo from artwork supplied by customer.
- Optional Export Packaging: basic crane, boom and jib sections.



BİGGE

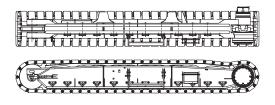
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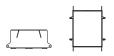


| Basic Crane | | |
|---------------------|-----------|-----------|
| Length | 11,63 m | 38' 2" |
| Width | 3,00 m | 9' 10" |
| Height (CE pkg) | 3,20 m | 10' 6" |
| Height (non-CE pkg) | 3,43 m | 11' 3" |
| Weight | 39 689 kg | 87,500 lb |

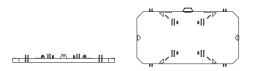
Note: Weight includes carbody, upperworks, operator's cab, gantry, backhitch, mast, boomhoist wire rope, maximum hoist and whip lines on drums, optional self-assembly jacks, full hydraulic fluid reservoir, and half tank of fuel.



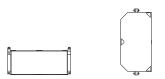
| Crawlers | | x 2 |
|----------|-----------|-----------|
| Length | 8,31 m | 27' 3" |
| Width | 1,55 m | 5' 1" |
| Height | 1,14 m | 3' 9" |
| Weight | 17 706 kg | 39,000 lb |



| Upper | Center Counterweigh | t x1 |
|--------|----------------------------|----------|
| Length | 1,30 m | 4' 3" |
| Width | 1,04 m | 3' 5" |
| Height | 0,56 m | 1' 10" |
| Weiaht | 2 680 ka | 5.900 lb |



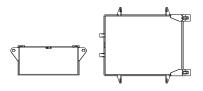
| Counterwe | x 1 | |
|-----------|----------|-----------|
| Length | 3,71 m | 12' 2" |
| Width | 2,36 m | 7' 9" |
| Height | 0,33 m | 1' 1" |
| Weight | 9 716 kg | 21,400 lb |



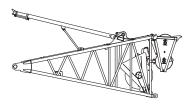
| Upper Sic Series 1 Series 2 | de Counterweight | x 6 x 8 |
|-----------------------------------|------------------|------------|
| Length | 2,24 m | 7' 4" |
| Width | 1,07 m | 3' 6" |
| Height | 0,69 m | 2' 3" |
| Weight | 7 938 kg | 17,500 lb |

Option

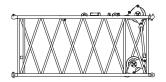




| Lower Ca Series 2 | arbody Counterwo | eight x 2 |
|----------------------|------------------|--------------|
| Length | 2,24 m | 7' 4" |
| Width | 1,85 m | 6' 1" |
| Height | 0,74 m | 2' 5" |
| Weight | 12 122 kg | 26,700 lb |



| No. 76 Boom Butt 5,5 m (18.0') & | | | | |
|----------------------------------|----------|----------|--|--|
| Wire Rope Guide, Boom Stop x 1 | | | | |
| Length | 6,76 m | 22' 2" | | |
| Width | 2,44 m | 8' 0" | | |
| Height | 2,64 m | 8' 8" | | |
| Weight | 2 860 ka | 6.300 lb | | |



| No. 76 Boom Insert 5,5 m (18.0') | | | |
|----------------------------------|----------|----------|--|
| w/ Sheaves | ; | x 1 | |
| Length | 5,69 m | 18' 8" | |
| Width | 2,54 m | 8' 4" | |
| Height | 2,59 m | 8' 6" | |
| Weight | 1 634 kg | 3,600 lb | |



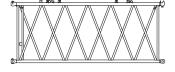
| No. 76 Boom Top 9,0 m (29.5') | | | | |
|-------------------------------|----------|----------|--|--|
| & Wire Rope Guide, Straps x 1 | | | | |
| Length | 9,58 m | 31' 5" | | |
| Width | 2,51 m | 8' 3" | | |
| Height | 2,97 m | 9' 9" | | |
| Weight | 4 495 kg | 9,900 lb | | |

Model 14000

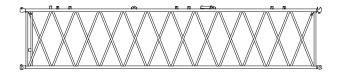
Option



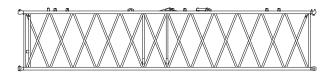
| No. 76 Main Boom 3,0 m (9.8') Insert & Straps x 1 | | | | |
|--|--------|----------|--|--|
| · · | | | | |
| Length | 3,17 m | 10' 5" | | |
| Width | 2,54 m | 8' 4" | | |
| Height | 2,59 m | 8' 6" | | |
| Weight | 772 kg | 1,700 lb | | |



| | No. 76 Main Boom 6,0 m (19.7') Insert & Straps x 1 | | | | |
|--|---|----------|----------|--|--|
| | | | | | |
| | Length | 6,17 m | 20' 3" | | |
| | Width | 2,54 m | 8' 4" | | |
| | Height | 2,59 m | 8' 6" | | |
| | Weight | 1 126 kg | 2,700 lb | | |



| No. 76 Main Boom 12,0 m (39.4') | | | | |
|---------------------------------|----------|--------------|--|--|
| Insert & Straps | | x 1, 2, 3, 4 | | |
| Length | 12,17 m | 39' 11" | | |
| Width | 2,54 m | 8' 4" | | |
| Height | 2,59 m | 8' 6" | | |
| Weight | 2 134 kg | 4,700 lb | | |



| No. 76 N Backsta | 39.4') w/ x 1 | |
|---------------------|------------------|----------|
| Length | 39' 11" | |
| Width | 2,54 m | 8' 4" |
| Height | 2,59 m | 8' 6" |
| Weight | 2 179 kg | 4,800 lb |



| No. 134 Jib Bu & Strut, Stop | x 1 | |
|---------------------------------|--|--|
| Length | 4,67 m | 15' 4" |
| Width | 0,86 m | 2' 10" |
| Height | 1,29 m | 4' 3" |
| Weight | 635 kg | 1,400 lb |
| | & Strut, Stop Length Width Height | Length 4,67 m Width 0,86 m Height 1,29 m |

| g5 | |
|----|---|
| | 7 |
| | ブ |

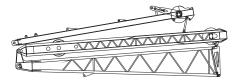
| No. 134 Jib To & Pendants | x 1 | |
|------------------------------|--------|----------|
| Length | 4,93 m | 16' 2" |
| Width | 0,79 m | 2' 7" |
| Height | 0,79 m | 2' 7" |
| Weight | 553 ka | 1.220 lb |



| No. 134 Jib Insert 3,0 m (10') & Pendants | x 1 |
|---|-------|
| Length 3,12 m | 10 3 |
| Width 0,79 m | 27 |
| Height 0,79 m | 27 |
| Weight 218 kg 48 | 30 lb |



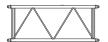
| No. 134 Jib II & Pendants | x 1, 2 | |
|------------------------------|--------|--------|
| Length | 6,17 m | 20 3 |
| Width | 0,79 m | 27 |
| Height | 0,79 m | 27 |
| Weight | 340 kg | 750 lb |



| No. 135 Luf Butt & Stru | (27') x 1 | |
|----------------------------|--------------|----------|
| Length | 8,81 m | 28 11 |
| Width | 1,57 m | 5 2 |
| Height | 2,92 m | 9 7 |
| Weight | 4 477 kg | 9,870 lb |



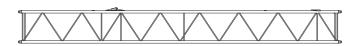
| No. 135 Luffing Jib Top 7,0 m (23') & Roller, Pendants x 1 | | | | |
|---|------------|---------|--|--|
| Length | 7,80 m | 25' 7 | | |
| Width | 1,52 m | 5 0 | | |
| Height | 2,02 m | 68 | | |
| Weight | 1 984 kg 4 | ,375 lb | | |
| Note: Includes wire rope guide. | | | | |



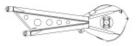
| No. 135 3,0 m (1 | x 1 | |
|---------------------|--------|--------|
| Length | 10 4 | |
| Width 1,52 m | | 5' 0 |
| Height | 1,30 m | 4' 3 |
| Weight | 381 kg | 840 lb |

| et. | | | | | | |
|------|----------|---|---|------|----|----------|
| | N | | / | \ | _/ | \ |
| | \ | | | | _/ | |
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| _1// | | , | | | | W.L |

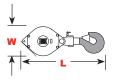
| | iffing Jib Insert & Pendants | x 1, 2 |
|--------|---------------------------------|----------|
| Length | 6,20 m | 20 4 |
| Width | 1,52 m | 5 0 |
| Height | 1,30 m | 4 3 |
| Weight | 612 kg | 1,350 lb |



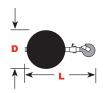
| | uffing Jib Insert 0') & Pendants | x 1, 2, 3 |
|--------|-------------------------------------|-----------|
| Length | 12,29 m | 40' 4" |
| Width | 1,52 m | 5' 0" |
| Height | 1,30 m | 4' 3" |
| Weight | 1 050 kg | 2,315 lb |



| No. 76 l | Jpper Boom Point | x 1 |
|----------|------------------|--------|
| Length | 2,64 m | 8' 8" |
| Width | 0,41 m | 1' 4" |
| Height | 0,81 m | 2' 8" |
| Weight | 420 kg | 925 lb |



| Hook block f | or 26 mm (1" |) wire rope | | | |
|--------------|--------------|-------------|--------|--------|--------|
| Capacity | 200 mt | 220 t | Length | 2,27 m | 7' 5" |
| Weight | 2 472 kg | 5,450 lb | Width | 0,84 m | 2' 9" |
| | | | | | |
| Capacity | 150 mt | 165 t | Length | 2,11 m | 6' 11" |
| Weight | 2 730 kg | 6,000 lb | Width | 0,90 m | 2' 11" |
| | | | | | |
| Capacity | 91 mt | 100 t | Length | 1,98 m | 6' 6" |
| Weight | 1 770 kg | 3,900 lb | Width | 0,88 m | 2' 11" |
| | | | | | |
| Capacity | 27 mt | 30 t | Length | 1,50 m | 4' 11" |
| Weight | 1 724 kg | 3,801 lb | Width | 0,71 m | 2' 4" |



| Weight Ball | | | | | |
|-----------------|--------|----------|----------|--------|-------|
| Capacity/Swivel | 14 mt | 15 t | Diameter | 0,53 m | 1' 9" |
| Weight | 594 kg | 1,310 lb | Length | 1,13 m | 3' 9" |

BİGGE

Transport data

| | | | | | No 7 | '6 Booi | m 65 m | (212" | , | | | | |
|---|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|-------------------|--------------------|-------------------|--------------------|--------------------|-------|
| | | | | | NO. / | | m 65 m ies 2 | · (213') | | | | | |
| Weight Each Item | | | | | Quant | ity on | Traile | r Load | # | | | | |
| Item | kg (lb) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Upperworks Structure with Carbody, Gantry & Mast | 39 689 (87,500) | 1 | | | | | | | | | | | |
| Crawler Assembly | 17 690 (39,000) | | 1 | | | | | | | | | | |
| Crawler Assembly | 17 690 | | | 1 | | | | | | | | | |
| orawier Assembly | (39,000) | | | | 1 | | | | | | | | |
| 9,0 m (29'8") Boom Top | 4 536 (10,000) | | | | 1 | | | | | | | | |
| 5,5 m (18'6") Boom Butt | 2 858 (6,300) | | | | | | | | | | | 1 | |
| Upper Side Counterweight | 7 938 (17,500) | | | | 1 | 2 | 2 | 2 | | | 1 | | |
| 12,0 m (39'5") Boom Insert | 2 132 (4,700) | | | | | 1 | 1 | 1 | | 1 | | | |
| 5,5 m (18'6") Boom Insert | 1 633 (3,600) | | | | | | | | 1 | | | | |
| 6,0 m (19'8") Boom Insert | 1 678 (3,700) | | | | | | | | 1 | | | | |
| 3,0 m (10'0") Boom Insert | 771 | | | | | | | | | | 1 | | |
| Counterweight Tray | 9 707 | | | | | | | | 1 | | | | |
| | 2,722 | | | | | | | | | 1 | | | |
| Upper Center Counterweight | (6,000) | | | | 1 | | | | | | | | |
| Detachable Upper Boom Point | 499 (1,100) | | | | ' | | | | | | | | |
| 9,2 m (30'0") #134 Jib and Strut | 1,188 (2,620) | | 1 | | | | | | | | | | |
| 3,0 m (10'0") #134 Jib Insert | 140 (310) | | | 1 | | | | | | | | | |
| 6,1 m (20'0") #134 Jib Insert | 256 (565) | | | 2 | | | | | | | | | |
| Intermediate Frame | 680 (1,500) | | | | | | | | | 1 | | | |
| Lower Carbody Counterweight | 12 111 (26,700) | | | | | | | | | | 1 | 1 | |
| Load Block - 91 mton (100 USt) | 1 814 (4,000) | | | | | | | | | | | | 1 |
| 14 mton <mark>(15 USt)</mark> Weight Ball | 2 604 (5,740) | | | | | | | | | | | 1 | |
| Rigging Block and Chain | 600 (1,500) | | | 1 | | | | | | | | | |
| Miscellaneous | 2 722 (6,000) | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | |
| | | 39 689 (87,500) | 18 878 (41,620) | 19 023 (41,940) | 12 972 (28,600) | 18 008 (39,700) | 8 008 (39,700) | 8 008 (39,700) | 13 018 (28,700) | 5 533 (12,200) | 20 820 (45,900) | 17 572 (38,740) | 899 9 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |

Model 14000

Bigge

| Main and Standard Whip Drum - 140kN (31,500 lb) | | | | | | | | |
|---|-------|--------|---------------|---------------|--------|-------|--|--|
| | | Full P | ower Drum | - Continuou | s Duty | | | |
| | | Singl | e Line Pull/S | Single Line S | Speed | | | |
| | | | m/min | (ft/min) | | | | |
| Layer | 1 | 2 | 3 | 4 | 5 | 6 | | |
| Single Line Pull kg (lb) | | | | | | | | |
| 0 | 97 | 106 | 115 | 124 | 133 | 141 | | |
| (0) | (318) | (347) | (377) | (406) | (435) | (464) | | |
| 2 268 | 91 | 99 | 106 | 114 | 121 | 129 | | |
| (5,000) | (299) | (324) | (349) | (374) | (399) | (423) | | |
| 4 536 | 85 | 92 | 98 | 104 | 105 | 106 | | |
| (10,000) | (279) | (301) | (322) | (340) | (344) | (347) | | |
| 6 804 | 71 | 72 | 73 | 74 | 75 | 76 | | |
| (15,000) | (232) | (236) | (240) | (243) | (247) | (250) | | |
| 9 072 | 56 | 57 | 58 | 59 | 60 | 62 | | |
| (20,000) | (184) | (188) | (191) | (195) | (198) | (202) | | |
| 11 340 | 47 | 48 | 49 | 50 | 52 | 53 | | |
| (25,000) | (155) | (158) | (162) | (166) | (169) | (173) | | |
| 14 288 | 40 | 41 | 42 | 43 | 44 | 45 | | |
| (31,500) | (131) | (134) | (138) | (142) | (145) | (149) | | |

| Luffing Hoist D | Luffing Hoist Drum / Auxiliary Drum - 89 kN (20,000 lb) | | | | | | | |
|--|---|-------------|-------------|---------------|----------------|--------------|--------------|--------------|
| | | | Full P | ower Drum | - Continuou | s Duty | | |
| | | | Singl | e Line Pull/S | Single Line \$ | Speed | | |
| | | | | m/min | (ft/min) | | | |
| Layer | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Single Line Pull kg (<mark>lb</mark>) | | | | | | | | |
| 0 (0) | 85 (280) | 92 (303) | 99 (326) | 106 (349) | 113 (372) | 120 (395) | 127 (418) | 134 (441) |
| 2 268 (5,000) | 79 (260) | 85 (279) | 91 (298) | 97 (318) | 103 (336) | 108 (355) | 114 (373) | 119 (391) |
| 4 536 (10,000) | 73 (239) | 78 (255) | 79 (258) | 80 (261) | 81 (264) | 82 (267) | 82 (271) | 83 (274) |
| 6 804 (15,000) | 55 (180) | 56 (184) | 57 (187) | 58 (190) | 59 (193) | 60 (196) | 61 (199) | 62 (202) |
| 9 072 (20,000) | 44 (145) | 45 (148) | 46 (151) | 47 (154) | 48 (157) | 49 (161) | 50 (164) | 51 (167) |

| Wire Rope Lengths - Single Hoist Line Drum - 26 mm No. 76 Main Boom | | | | | | | |
|--|-----|--------------------------|--------|--------|-----|--------|------------------------|
| Boom or Boom and | | /hip Line - ont or Au | | | | | e - Drum 2 Drum) |
| Jib Length | | Part | 2 Part | | | | Total Parts of Line |
| m (ft) | | (ft) | m | (ft) | m | (ft) | |
| 20 (66) | 58 | (190) | 82 | (270) | 335 | (1100) | 14 |
| 23 (76) | 64 | (210) | 91 | (300) | 366 | (1200) | 13 |
| 29 (95) | 76 | (250) | 110 | (360) | 373 | (1225) | 11 |
| 35 (115) | 88 | (290) | 128 | (420) | 411 | (1350) | 10 |
| 41 (135) | 101 | (330) | 146 | (480) | 434 | (1425) | 9 |
| 47 (154) | 113 | (370) | 165 | (540) | 450 | (1475) | 8 |
| 53 (174) | 125 | (410) | 183 | (600) | 450 | (1475) | 7 |
| 59 (194) | 137 | (450) | 201 | (660) | 450 | (1475) | 6 |
| 65 (<mark>213</mark>) | 149 | (490) | 219 | (720) | 450 | (1475) | 5 |
| 71 (233) | 162 | (530) | 238 | (780) | 450 | (1475) | 4 |
| 77 (253) | 174 | (570) | 256 | (840) | 450 | (1475) | 4 |
| 83 (<mark>272</mark>) | 186 | (610) | 274 | (900) | 450 | (1475) | 3 |
| 89 (292) | 198 | (650) | 293 | (960) | 450 | (1475) | 3 |
| 95 (312) | 210 | (690) | 311 | (1020) | _ | _ | _ |
| 98 (322) | 216 | (710) | _ | _ | _ | - | _ |

NOTE: Hoist and whip line lengths given in table will allow hook to touch ground. When block travel below ground is required, add additional rope equal to parts of line times added travel distance. Hoisting distance or line pull may be limited when block travel below ground is required.

Maximum wire rope length allowed on Drum 3 (Auxiliary Drum) is 235 m (770 ft).

Hoist Reeving for Main Load Block - Single Lead Line 26 mm - No. 76 Main Boom

| | Maximu | ım Load |
|-------------------|---------|---------|
| No. Parts of Line | kg | (lb) |
| 1 | 14 290 | 31,500 |
| 2 | 28 580 | 63,000 |
| 3 | 42 860 | 94,500 |
| 4 | 57 150 | 126,000 |
| 5 | 71 440 | 157,500 |
| 6 | 85 730 | 189,000 |
| 7 | 100 020 | 220,500 |
| 8 | 114 310 | 252,000 |
| 9 | 128 590 | 283,500 |
| 10 | 142 880 | 315,000 |
| 11 | 157 170 | 346,500 |
| 12 | 171 460 | 378,000 |
| 13 | 185 750 | 409,500 |
| 14 | 200 030 | 441,000 |

Model 14000

BİGGE

Wire Rope Lengths Boom No. 76 Fixed Jib No. 134 Boom No. 76

| Boom or Boom and | | /hip Line - ront or Au | | | Hoist Line - Drum 2 (Rear Drum) | | | |
|-------------------------|-----|---------------------------|-----|--------|------------------------------------|--------|-------------|--|
| Jib Length | 1 F | Part | 2 F | Part | | | Total Parts | |
| m (ft) | m | (ft) | m | (ft) | m | (ft) | of Line | |
| 20 (66) | 58 | (190) | 82 | (270) | 335 | (1100) | 14 | |
| 23 (76) | 64 | (210) | 91 | (300) | 366 | (1200) | 13 | |
| 26 (85) | 70 | (230) | 101 | (330) | 366 | (1200) | 12 | |
| 29 (95) | 76 | (250) | 110 | (360) | 373 | (1225) | 11 | |
| 32 (105) | 82 | (270) | 119 | (390) | 381 | (1250) | 10 | |
| 35 (115) | 88 | (290) | 128 | (420) | 411 | (1350) | 10 | |
| 38 (125) | 94 | (310) | 137 | (450) | 411 | (1350) | 9 | |
| 41 (135) | 101 | (330) | 146 | (480) | 434 | (1425) | 9 | |
| 44 (144) | 107 | (350) | 155 | (510) | 434 | (1425) | 8 | |
| 47 (154) | 113 | (370) | 165 | (540) | 450 | (1475) | 8 | |
| 50 (164) | 119 | (390) | 174 | (570) | 450 | (1475) | 7 | |
| 53 (174) | 125 | (410) | 183 | (600) | 450 | (1475) | 7 | |
| 56 (184) | 131 | (430) | 192 | (630) | 450 | (1475) | 6 | |
| 59 (194) | 137 | (450) | 201 | (660) | 450 | (1475) | 6 | |
| 62 (203) | 143 | (470) | 210 | (690) | 450 | (1475) | 5 | |
| 65 (<mark>213</mark>) | 149 | (490) | 219 | (720) | 450 | (1475) | 5 | |
| 68 (223) | 155 | (510) | 229 | (750) | 450 | (1475) | 5 | |
| 71 (233) | 162 | (530) | 238 | (780) | 450 | (1475) | 4 | |
| 74 (243) | 168 | (550) | 247 | (810) | 450 | (1475) | 4 | |
| 77 (253) | 174 | (570) | 256 | (840) | 450 | (1475) | 4 | |
| 80 (263) | 180 | (590) | 265 | (870) | 450 | (1475) | 3 | |
| 83 (272) | 186 | (610) | 274 | (900) | 450 | (1475) | 3 | |
| 86 (282) | 192 | (630) | 283 | (930) | 450 | (1475) | 3 | |
| 89 (292) | 198 | (650) | 293 | (960) | 450 | (1475) | 3 | |
| 92 (302) | 204 | (670) | 302 | (990) | _ | _ | _ | |
| 95 (<mark>312</mark>) | 210 | (690) | 311 | (1020) | _ | _ | _ | |
| 98 (322) | 216 | (710) | _ | _ | _ | _ | _ | |

NOTE: Hoist and whip line lengths given in table will allow hook to touch ground. When block travel below ground is required, add additional rope equal to parts of line times added travel distance. Hoisting distance or line pull may be limited when block travel below ground is required.

Maximum wire rope length allowed on Drum 3 (Auxiliary Drum) is 770 ft (235).

BİGGE

Wire Rope Lengths Luffing Jib No. 135 on Boom No. 76

| | Luff | ing Jib Ho | ist Line |
|-----------------------------------|-------------|---|----------|
| Boom or Boom and Jib Length | Hois Dru | Maximum Required Parts of Line | |
| m (ft) | m | (ft) | |
| 20 (66) | 244 | (800) | 4 |
| 23 (76) | 259 | (850) | 4 |
| 26 (85) | 274 | (900) | 4 |
| 29 (95) | 290 | (950) | 4 |
| 32 (105) | 305 | (1000) | 4 |
| 35 (115) | 320 | (1050) | 4 |
| 38 (125) | 320 | (1050) | 3 |
| 41 (135) | 335 | (1100) | 3 |
| 44 (144) | 351 | (1150) | 3 |
| 47 (154) | 351 | (1150) | 3 |
| 50 (164) | 351 | (1150) | 3 |
| 53 (174) | 366 | (1200) | 3 |
| 56 (184) | 366 | (1200) | 3 |
| 59 (194) | 366 | (1200) | 3 |

NOTE: Hoist line lengths given in table include all luffing jib lengths. Hoist line lengths given in table will allow hook to touch ground. When block travel below ground is required, add additional rope equal to parts of line times added travel distance. Hoisting distance or line pull may be limited when block travel below ground

Wire Rope Specifications 5:1 Safety Factor Boom No. 76

Fixed Jib No. 134 on Boom No. 76

| TIACU OID NO. 10- | TON BOOM IN | 0.70 | |
|------------------------------|---------------------------|--|---|
| | Rotation Resista | ty Factor ant, 2 160 N/mm² vith Pad Eye | 5:1 Safety Factor Rotation Resistant, 2 160 N/mm². Wire rope |
| Function | Hoist Line | Whip Line | Auxiliary Line |
| Part Number | No. 719432 | No. 719432 | No. 719436 |
| Size Wire Rope | 26 mm | 26 mm — | (1") |
| Minimum Breaking Strength | 71 940 kN (158,600 lb) | 71 940 kN (158,600 lb) | 69 760 kN (153,800 lb) |
| Maximum Load Per Line | 14 290 kg (31,500 lb) | 14 290 kg (31,500 lb) | 9 070 kN (20,000 lb) |
| Approximate Weight | 3,56 kg/m (2.39 lb/ft) | 3,56 kg/m (2.39 lb/ft) | 3,36 kg/m (2.26 lb/ft) |

Model 14000

| Drum Capacities - Wire Rope | | | | | | | |
|-----------------------------|-------------------------------|--|--|--|--|--|--|
| | Maximum Length | | | | | | |
| | No Lagging | | | | | | |
| Front or Rear Grooved Drum | 399 m <mark>(1,310 ft)</mark> | | | | | | |
| 26 mm Wire Rope* | 6 Layers | | | | | | |
| Auxiliary Drum | 208 m <mark>(684 ft)</mark> | | | | | | |
| (1") Wire Rope** | 8 Layers | | | | | | |
| Boom Hoist Drum | 323 m (1,060 ft) | | | | | | |
| 22,23 mm (7/8") Wire Rope | 6 Layers | | | | | | |

^{*5,5} m (18 ft) is deducted from maximum spooling capacities for 3 dead wraps per drum on drums 1 and 2.
**6,1 m (20 ft) is deducted from maximum spooling capacity for 3 dead wraps on drum 3.

Maximum Length - Unassisted Raising

No. 134 Fixed Jib on No. 76 Main Boom Series 2

| | Main Boom | Fixed Jib |
|---------------|--------------|--------------|
| | *89,0 | _ |
| | (292) | _ |
| | 86,0 | _ |
| | (282) | _ |
| Over End | 83,0 | _ |
| of Blocked | (272) | _ |
| Crawlers m | 80,0 | 12,2 |
| (ft) | (262) | (40) |
| | 77,0 | 21,3 |
| | (253) | (70) |
| | 74,0 | 24,4 |
| | (242) | (80) |

NOTE: Load block(s), hook(s) and weight ball(s) on ground

Maximum Length - Unassisted Raising

No. 134 Fixed Jib on No. 76 Main Boom Series 2

| | Main Boom | Fixed Jib |
|-------------|--------------|--------------|
| | *80,0 | _ |
| | (262) | _ |
| | 77,0 | _ |
| | (253) | _ |
| ver Side of | 74,0 | 9,1 |
| Crawlers | (243) | (30) |
| m | 71,0 | 18,3 |
| (ft) | (233) | (60) |
| | 68,0 | 21,3 |
| | (223) | (70) |
| | 65,0 | 24,4 |
| | (213) | (80) |

NOTE: Load block(s), hook(s) and weight ball(s) on ground

^{*}Upper boom point cannot be used on 89,0 m (292 ft) boom or over side of crawlers on 80,0 m (262 ft) boom.

^{*}Upper boom point cannot be used on 89,0 m (292 ft) boom or over side of crawlers on 80,0 m (262 ft) boom.

Maximum Length - Unassisted Raising

| | | • inaccio: | cu itaisiiig | |
|--------------------------|------------------------------------|-----------------------------|------------------------------------|-----------------------------|
| | No. 135 Li | uffing Jib on N | o. 76 Main Boo | m Series 2 |
| | In-Line I No. 135 L | | | fe Method Luffing Jib |
| Boom Length m (ft) | Over End of Blocked Crawlers | Over Side Of Crawlers | Over End of Blocked Crawlers | Over Side Of Crawlers |
| 20,0 (66) | 21,3 - 51,8 (70 - 170) | 21,3 - 51,8 (70 - 170) | | |
| 23,0 (76) | 21,3 - 51,8 (70 - 170) | 21,3 - 51,8 (70 - 170) | | |
| 26,0 (85) | 21,3 - 51,8 (70 - 170) | 21,3 - 51,8 (70 - 170) | | |
| 29,0 (95) | 21,3 - 51,8 (70 - 170) | 21,3 - 51,8 (70 - 170) | | |
| 32,0 (105) | 21,3 - 51,8 (70 - 170) | 21,3 - 51,8 (70 - 170) | | |
| 35,0 (115) | 21,3 - 51,8 (70 - 170) | 21,3 - 48,8 (70 - 160) | _ | 51,8 (170) |
| 38,0 (125) | 21,3 - 51,8 (70 - 170) | 21,3 - 39,6 (70 - 130) | _ | 42,7 - 51,8 (140 - 170) |
| 41,0 (134) | 21,3 - 45,7 (70 - 150) | 21,3 - 33,5 (70 - 110) | 48,8 - 51,8 (160 - 170) | 36,6 - 51,8 (120 - 170) |
| 44,0 (144) | 21,3 - 42,7 (70 - 140) | 21,3 - 27,4 (70 - 90) | 45,7 - 51,8 (150 - 170) | 30,5 - 51,8 (100 - 170) |
| 47,0 (154) | 21,3 - 33,5 (70 - 110) | _ | 36,6 - 51,8 (120 - 170) | 21,3 - 51,8 (70 - 170) |
| 50,0 (164) | 21,3 - 27,4 (70 - 90) | _ | 30,0 - 51,8 (100 - 170) | 21,3 - 51,8 (70 - 170) |
| 53,0 (174) | | | 21,3 - 51,8 (70 - 170) | _ |
| 56,0 (184) | | | 21,3 - 51,8 (70 - 170) | _ |
| 59,0# (194) | | | 21,3 - 51,8 (70 - 170) | _ |

NOTE: Load block(s), hook(s) and weight ball(s) on ground until boom and luffing jib are erected. Boom lengths shown with a pound sign (#) require lower boom point and wire rope guide assembly No. 177364 to be removed.

Model 14000

19

BİGGE

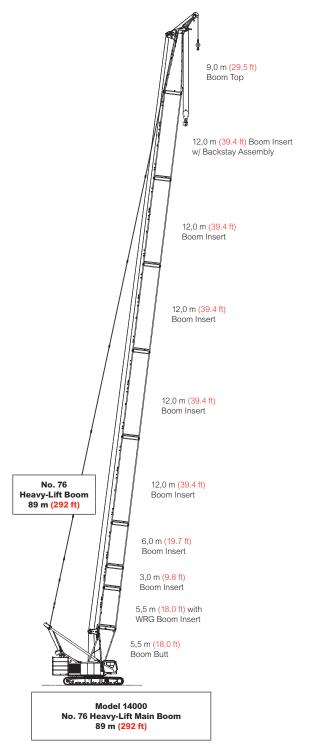
Boom combinations

ANSI B30.5

| No. 76 Main Boom with | | | | | | | | | |
|--------------------------|--------------|--------------|----------------|-----------------|--|--|--|--|--|
| Heavy-L | | | | าร | | | | | |
| | В | oom Ins | erts m (f | t) | | | | | |
| Boom Length m (ft) | 3,0 (9.8) | 6,0 (9.7) | 12,0 (39.4) | 12,0* (39.4) | | | | | |
| 20 (65.6) | 0 | 0 | 0 | 0 | | | | | |
| 23 (75.5) | 1 | 0 | 0 | 0 | | | | | |
| 26 (85.3) | 0 | 1 | 0 | 0 | | | | | |
| 29 (95.1) | 1 | 1 | 0 | 0 | | | | | |
| 32 (105.0) | 0 | 0 | 0 | 1 | | | | | |
| 35 (114.8) | 1 | 0 | 0 | 1 | | | | | |
| 38 (124.7) | 0 | 1 | 0 | 1 | | | | | |
| 41 (134.5) | 1 | 1 | 0 | 1 | | | | | |
| 44 (144.4) | 0 | 0 | 1 | 1 | | | | | |
| 47 (154.2) | 1 | 0 | 1 | 1 | | | | | |
| 50 (164.0) | 0 | 1 | 1 | 1 | | | | | |
| 53 (173.9) | 1 | 1 | 1 | 1 | | | | | |
| 56 (183.7) | 0 | 0 | 2 | 1 | | | | | |
| 59 (193.6) | 1 | 0 | 2 | 1 | | | | | |
| 62 (203.4) | 0 | 1 | 2 | 1 | | | | | |
| 65 (213.3) | 1 | 1 | 2 | 1 | | | | | |
| 68 (223.1) | 0 | 0 | 3 | 1 | | | | | |
| 71 (233.0) | 1 | 0 | 3 | 1 | | | | | |
| 74 (242.8) | 0 | 1 | 3 | 1 | | | | | |
| 77 (252.6) | 1 | 1 | 3 | 1 | | | | | |
| | | | | | | | | | |
| 80 (262.5) | 0 | 0 | 4 | 1 | | | | | |
| 80 (262.5) 83 (272.3) | 0 | 0 | 4 | 1 | | | | | |

^{*} with backstay assembly.

89 (292.0)

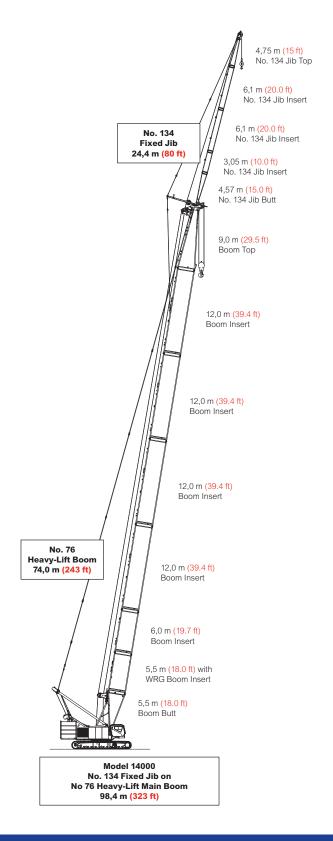


Bigge

Boom combinations

ANSI B30.5

| No. 134 Fixed Jib Combinations | | | | | | | | | |
|-----------------------------------|-----------------------------|---|--|--|--|--|--|--|--|
| | Fixed Jib Inserts m (ft) | | | | | | | | |
| Fixed Jib Length m (ft) | ength (10.0) (| | | | | | | | |
| 9,14 (30) | 0 | 0 | | | | | | | |
| 12,19 (40) | 1 | 0 | | | | | | | |
| 15,27 (50) | 0 | 1 | | | | | | | |
| 18,29 (60) | 1 | 1 | | | | | | | |
| 21,33 (70) | 21,33 (70) 0 2 | | | | | | | | |
| 24,38 (80) | 1 | 2 | | | | | | | |



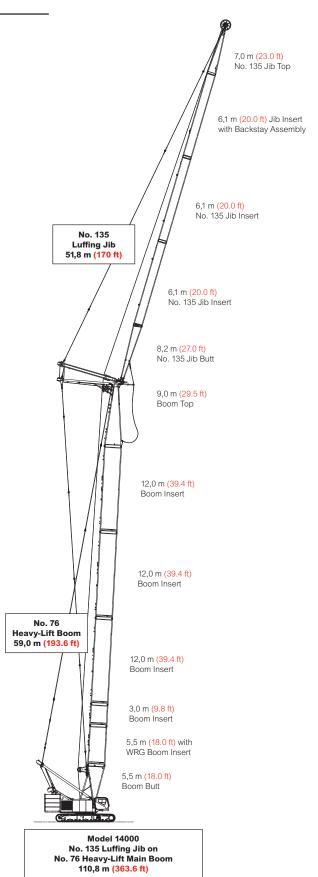
Model 14000

Boom combinations

ANSI B30.5

| No. 135 Luffing Jib Combinations | | | | | | | | |
|-------------------------------------|----------------|------------|----------|------|--|--|--|--|
| | Lufi | fing Jib I | nserts m | (ft) | | | | |
| Luffing Jib Length m (ft) | 3,05 (10.0) | | | | | | | |
| 21,3 (70) | 0 | 1 | 0 | 0 | | | | |
| 24,4 (80) | 1 | 1 | 0 | 0 | | | | |
| 27,4 (90) | 0 | 0 | 1 | 0 | | | | |
| 30,5 (100) | 1 | 0 | 1 | 0 | | | | |
| 33,5 (110) | 0 | 1 | 1 | 0 | | | | |
| 36,6 (120) | 1 | 1 | 1 | 0 | | | | |
| 39,6 (130) | 0 | 0 | 1 | 1 | | | | |
| 42,7 (140) | 1 | 0 | 1 | 1 | | | | |
| 45,7 (<mark>150</mark>) | 0 | 1 | 1 | 1 | | | | |
| 48,8 (160) | 1 | 1 1 1 | | | | | | |
| 51,8 (1 <mark>70</mark>) | 0 | 0 | 2 | 1 | | | | |

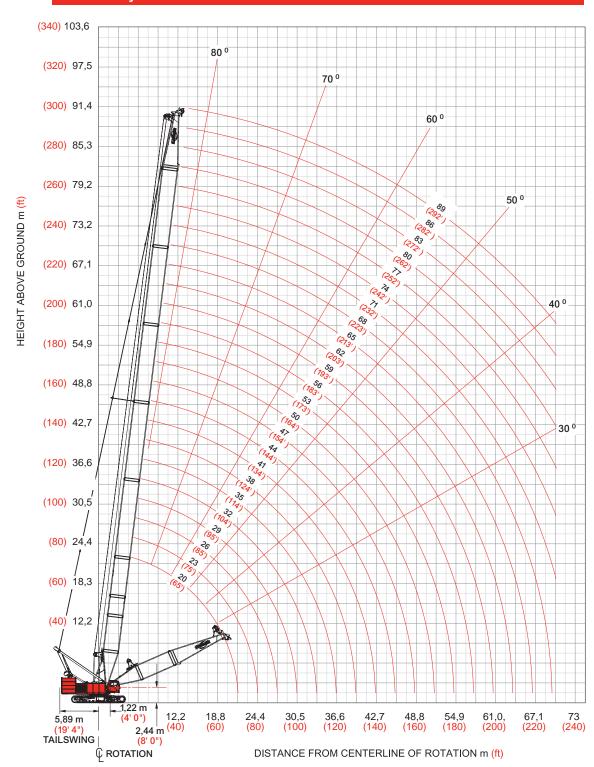
^{*} with backstay lug.



Heavy-lift boom range diagrams

ANSI B30.5

Liftcrane Boom Capacities - Model 14000 Series 2 No. 76 Heavy Lift Main Boom



Model 14000

Heavy-lift boom load charts

ANSI B30.5

Liftcrane Boom Capacities - Model 14000 Series 2 No. 76 Heavy Lift Main Boom

76 200 kg (168,000 lb) Counterweight 24 040 kg (53,000 lb) Carbody Counterweight

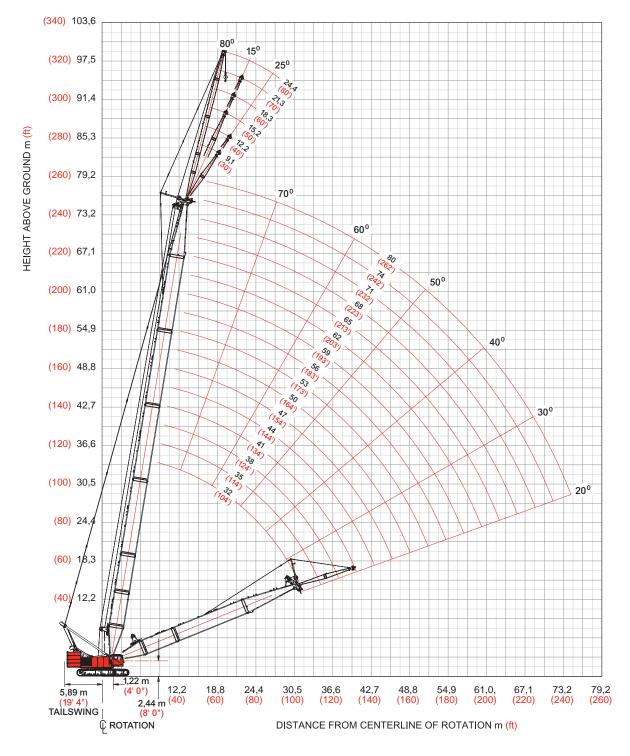
| 360° Rat | ting | | | | | 1 | kg (lb) x 1 | 000 | | | | | |
|----------------|------------------|------------------|------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|
| Boom m (ft) | 20,0 (66) | 26,0 (85) | 32,0 (105) | 38,0 (125) | 44,0 (144) | 50,0 (164) | 56,0 (184) | 62,0 (203) | 68,0 (223) | 74,0 (243) | 80,0 (263) | 86,0 (282) | 89,0 (292) |
| Radius | | | | | | | | | | | | | |
| 4,3 (14) | 200,0 (441.0) | | | | | | | | | | | | |
| 8,0 (26) | 109,3 (243.4) | 109,0 (242.4) | 108,7 (242.1) | 108,5 (241.6) | | | | | | | | | |
| 10,0 (32) | 87,1 (198.0) | 87,0 (197.5) | 86,8 (196.9) | 86,7 (196.5) | 104,7 (195.7) | 86,5 (195.0) | 77,9 (173.4) | 67,9 (150.4) | | | | | |
| 12,0 (40) | 67,0 (144.6) | 67,1 (144.8) | 67,1 (144.8) | 67,1 (144.8) | 86,4 (144.5) | 66,9 (144.2) | 66,8 (143.8) | 65,4 (143.4) | 58,8 (129.4) | 50,2 (110.6) | | | |
| 14,0 (46) | 53,9 (118.8) | 54,0 (119.0) | 54,0 (118.9) | 53,9 (118.8) | 67,0 (118.4) | 53,6 (118.0) | 53,4 (117.6) | 53,2 (117.2) | 52,9 (116.5) | 49,4 (109.0) | 40,6 (9.5) | 35,2 (77.6) | 32,4 (71.5) |
| 18,0 | 38,0 | 38,1 | 38,1 | 38,0 | 53,8 | 37,6 | 37,4 | 37,1 | 36,8 | 36,8 | 36,7 | 34,1 | 31,3 |
| (60) 22,0 | (82.2) | 28,9 | (82.3) | 28,8 | 37,8 | (81.3) | (80.7) | (80.2) 27,8 | (79.4) 27,4 | (79.5) 27,5 | (78.9) 27,1 | (75.0) 26,8 | (69.0) |
| (70) 26,0 | | (66.6) | (66.5) 22,8 | (66.4) 22,7 | (65.8) 28,5 | (65.4) 22,3 | (64.8) | (64.3) 21,7 | (63.4) 21,3 | (63.5) 21,3 | (62.8) 21,0 | (62.1) 20,7 | (61.8) 20,5 |
| (85) 30,0 | | | (50.6) 18,4 | (50.4) 18,4 | (49.9) 22,5 | (49.5) 18,0 | (48.8) 17,7 | (48.2) 17,4 | (47.4) 17,0 | (47.4) 17,0 | (46.7) 16,7 | (46.0) 16,4 | (45.6) 16,2 |
| (100) | | | (39.8) | (39.7) | (39.2) | (38.8) | (38.1) | (37.5) | (36.6) | (36.6) | (35.9) | (35.2) | (34.8) |
| 34,0 (110) | | | | 15,2 (34.3) | 18,2 (33.8) | 14,8 (33.4) | 14,4 (32.7) | 14,2 (32.2) | 13,8 (31.3) | 13,8 (31.2) | 13,4 (30.5) | 13,1 (29.8) | 12,9 (29.4) |
| 38,0 (120) | | | | | 14,9 (29.4) | 12,3 (29.0) | 12,0 (28.3) | 11,7 (27.7) | 11,3 (26.8) | 11,3 (26.8) | 10,9 (26.0) | 10,6 (25.3) | 10,4 (24.9) |
| 40,0 (130) | | | | | 12,5 (25.7) | 11,2 (25.3) | 10,9 (24.6) | 10,7 (24.1) | 10,3 (23.2) | 10,2 (23.1) | 9,9 (22.3) | 9,6 (21.6) | 9,4 (21.2) |
| 44,0 (140) | | | | | 11,4 (22.5) | 9,5 (22.2) | 9,1 (21.5) | 8,9 (20.9) | 8,5 (20.0) | 8,5 (20.0) | 8,1 (19.2) | 7,8 (18.5) | 7,6 (18.1) |
| 48,0 (155) | | | | | | 7,9 (18.2) | 7,7 (17.6) | 7,4 (17.0) | 7,0 (16.1) | 7,0 (16.1) | 6,6 (15.3) | 6,3 (14.6) | 6,1 (14.2) |
| 52,0 (170) | | | | | | | 6,4 (14.4) | 6,2 (13.8) | 5,7 (12.9) | 5,7 (12.9) | 5,4 (12.1) | 5,1 (11.4) | 4,9 (11.0) |
| 56,0 (180) | | | | | | | (1111) | 5,1 (12.0) | 4,7 (11.1) | 4,7 (11.1) | 4,3 (10.3) | 4,0 (9.6) | 3,8 (9.2) |
| 60,0 | | | | | | | | 4,2 | 3,8 | 3,8 | 3,4 | 3,1 | 2,9 |
| (195) 64,0 | | | | | | | | (9.6) | 3,0 | (8.7) 3,0 | (7.9) 2,6 | (7.2) 2,3 | (6.8) 2,1 |
| (210) 68,0 | | | | | | | | | (6.7) | (6.7) 2,3 | (5.9) 1,9 | (5.2) | (4.8) |
| (220) | | | | | | | | | | (5.5) | (4.7) | | |
| 70,0 (230) | | | | | | | | | | 2,0 (4.4) | | | |
| | | | | | | | | | | | | | |
| | | | 1 | | | | | | | 1 | | | 1 |

BİGGE

Fixed jib range diagram

ANSI B30.5

Liftcrane Boom Capacities Fixed Jib Capacities - 134 Fixed Jib on No. 76 Main Boom



Model 14000

25

Bigge

Fixed jib load charts

ANSI B30.5

Liftcrane Boom Capacities

Fixed Jib Capacities - 134 Fixed Jib on No. 76 Main Boom

76 200 kg (168,000 lb) Counterweight 24 000 kg (53,000 lb) Carbody Counterweight kg (lb) x 1 000

| | | | 5° Of | fset | | | 2 | 5° Offs | set | | |
|----------------------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | Boom m (ft) | 32,0 (105.0) | 44,0 (144.4) | 56,0 (183.7) | 68,0 (223.1) | 80,0 (262.5) | 32,0 (105.0) | 44,0 (144.4) | 56,0 (183.7) | 68,0 (223.1) | 80,0 (262.5) |
| | Radius | | | | | | | | | | |
| | 9,1 (30) | 28,5 (63.0) | | | | | | | | | |
| | 12,0 (40) | 28,5 (63.0) | 28,5 (63.0) | (63.0) | | | | | | | |
| | 16,0 (50) | 27,2 (60.6) | 27,9 (62.1) | 27,9 (62.0) | 27,2 (60.5) | | 19,9 (45.1) | 21,6 (48.6) | | | |
| 0 ft) | 22,0 (70) | 25,2 (56.1) | 26,2 (58.2) | 26,4 (58.7) | 26,0 (57.7) | 24,8 (55.5) | 17,0 (38.3) | 18,8 (42.1) | 20,1 (45.0) | 21,2 (47.3) | 22,0 (49.1) |
| n (30, | 28,0 (90) | 21,0 (47.8) | 20,4 (46.4) | 19,7 (45.0) | 19,0 (43.4) | 18,5 (42.4) | 15,0 (33.6) | 16,8 (37.4) | 28,2 (40.5) | 19,2 (43.0) | 19,7 (44.6) |
| h 9,1 r | 36,0 (120) | 14,5 (31.3) | 13,9 (30.0) | 13,2 (28.5) | 12,5 (26.8) | 12,0 (25.7) | | 14,3 (30.8) | 13,7 (29.5) | 13,1 (28.1) | 12,6 (27.2) |
| Jib Length 9,1 m (30.0 ft) | 48,0 (150) | | 8,4 (20.4) | 7,7 (18.9) | 7,0 (17.2) | 6,5 (16.2) | | | 8,0 (19.6) | 7,3 (18.1) | 6,9 (17.2) |
| Jib L | 56,0 (180) | | | 5,4 (12.7) | 4,7 (11.0) | 4,2 (9.9) | | | | 4,9 (11.6) | 4,5 (10.7) |
| | 64,0 (210) | | | | 29,0 (6.6) | 2,5 (5.6) | | | | | 2,7 (6.1) |
| | 70,0 (235) | | | | 1,9 (4.3) | | | | | | |
| | 76,0 (255) | | | | | | | | | | |

| | 5° Offset | | | | | 25° Offset | | | | | |
|-------------------------|----------------|-----------------|-----------------|-----------------|-----------------|------------|-----------------|-----------------|-----------------|-----------------|--|
| | Boom m (ft) | 32,0 (105.0) | 44,0 (144.4) | 56,0 (183.7) | 68,0 (223.1) | | 32,0 (105.0) | 44,0 (144.4) | 56,0 (183.7) | 68,0 (223.1) | |
| | Radius | | | | | | | | | | |
| | 9,1 (30) | | | | | | | | | | |
| | 12,0 (40) | 20,1 (44.2) | (44.7) | | | | | | | | |
| | 16,0 (50) | 18,8 (42.1) | 19,3 (43.0) | 19,3 (42.9) | | | | | | | |
| 0.0 ft) | 22,0 (70) | 17,2 (38.5) | 18,0 (40.0) | 18,2 (40.4) | 18,0 (39.9) | | 12,3 (27.7) | 13,3 (30.0) | 14,2 (31.8) | 14,8 (33.2) | |
| Jib Length 15,2 m (50.0 | 28,0 (90) | 15,8 (35.1) | 16,8 (37.4) | 17,2 (38.3) | 17,2 (38.1) | | 10,6 (23.8) | 11,7 (26.2) | 12,6 (28.2) | 13,3 (29.7) | |
| 15,2 | 36,0 (120) | 13,4 (29.2) | 14,4 (30.9) | 13,6 (29.4) | 12,9 (27.7) | | 9,1 (20.0) | 10,1 (22.3) | 11,0 (24.2) | 11,8 (25.9) | |
| engt | 48,0 (150) | (22.8) | 8,8 (21.4) | 8,1 (19.8) | 7,3 (18.1) | | | (19.7) | 8,6 (21.0) | 8,0 (19.6) | |
| JibL | 56,0 (180) | | 6,5 (15.1) | 5,8 (13.5) | 5,0 (11.8) | | | | 6,1 (14.3) | 5,5 (12.9) | |
| | 64,0 (210) | | | 4,1 (9.1) | 3,3 (7.4) | | | | | 3,6 (8.1) | |
| | 70,0 (235) | | | | 2,3 (5.1) | | | | | | |
| | ??,0 (255) | | | | | | | | | | |

Fixed jib load charts

ANSI B30.5

Liftcrane Boom Capacities

Fixed Jib Capacities - No. 134 Fixed Jib on No. 76 Main Boom

76 200 kg (168,000 lb) Counterweight 24 000 kg (53,000 lb) Carbody Counterweight 360° Rating kg (lb) x 1 000

| | | | 5° Of | fset | | | 2 | 5° Offs | set | |
|-----------------|----------------|-----------------|-----------------|-----------------|-----------------|----|------------------------|-----------------|-----------------|-----------------|
| | Boom m (ft) | 32,0 (105.0) | 44,0 (144.4) | 56,0 (183.7) | 68,0 (223.1) | _(| 32,0 105.0) | 44,0 (144.4) | 56,0 (183.7) | 68,0 (223.1) |
| | Radius | | | | | | | | | |
| | 9,1 (30) | | | | | | | | | |
| | 12,0 (40) | 17,2 (38.0) | | | | | | | | |
| | 16,0 (50) | 16,1 (36,2) | 16,5 (36.8) | 16,5 (36.7) | | | | | | |
| m (60.0 ft) | 22,0 (70) | 14,5 (32.5) | 15,3 (34.1) | 15,5 (34.5) | 15,3 (34.1) | | 11,1 (25.0) | 12,0 (27.0) | 12,6 (28.3) | |
| | 28,0 (90) | 13,2 (29.5) | 14,1 (31.4) | 14,6 (32.4) | 14,6 (32.5) | | 9,4 (21.2) | 10,4 (23.3) | 11,1 (24.9) | 11,8 (26.3) |
| 18,3 | 36,0 (120) | 11,7 (25.4) | 12,8 (28.1) | 13,4 (29.5) | 13,1 (27.9) | | 7,9 (17.4) | 8,9 (19.4) | 9,6 (21.1) | 10,3 (22.6) |
| Jib Length 18,3 | 48,0 (150) | 8,6 (20.1) | 9,0 (21.7) | 8,2 (20.1) | 7,4 (18.3) | | | 7,4 (16.9) | 8,1 (18.5) | 8,3 (19.9) |
| Jib L | 56,0 (180) | | 6,7 (15.4) | 5,9 (13.8) | 5,1 (12.0) | | | | 6,4 (14.9) | 5,8 (13.5) |
| | 64,0 (210) | | | 4,2 (9.4) | 3,4 (7.6) | | | | | 3,9 (8.7) |
| | 70,0 (235) | | | 3,1 (7.0) | 2,4 (5.3) | | | | | |
| | 76,0 (255) | | | | | | | | | |

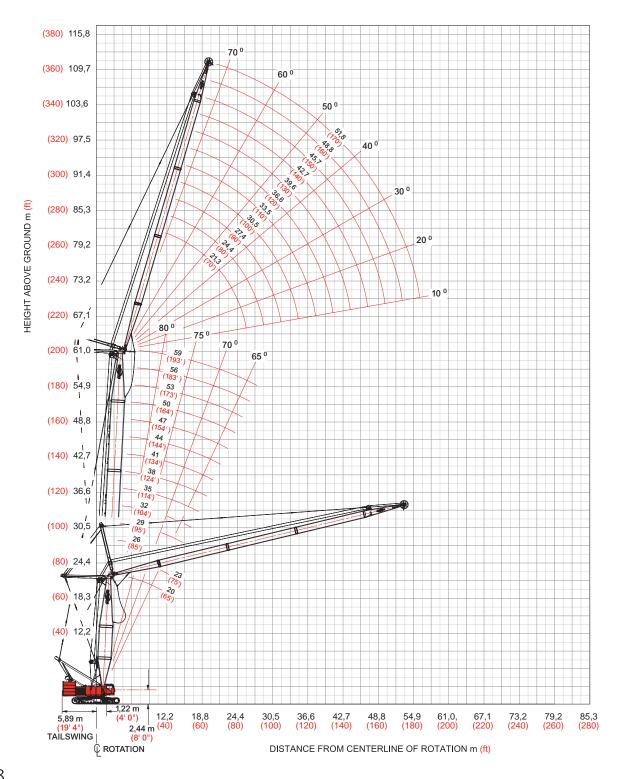
| 5° Offset | 25° Offset |
|-----------|------------|

| | Boom m (ft) | 32,0 (105.0) | 44,0 (144.4) | 56,0 (183.7) | 68,0 (223.1) | (| 32,0 (<mark>105.0</mark>) | 44,0 (144.4) | 56,0 (183.7) | 68,0 (223.1) |
|-----------------------------|------------------------|-----------------|-----------------|-----------------|-----------------|---|--------------------------------|-----------------|-----------------|-----------------|
| | Radius | | | | | | | | | |
| Jib Length 24,4 m (80.0 ft) | 9,1 (30) | | | | | | | | | |
| | 12,0 (40) | (23.4) | | | | | | | | |
| | 16,0 (50) | 10,2 (22.7) | 10,1 (22.6) | 9,9 (22.0) | | | | | | |
| | 22,0 (70) | 9,4 (21.1) | 9,5 (21.3) | 9,5 (21.2) | 9,3 (20.7) | | 8,9 (19.8) | | | |
| | 28,0 (90) | 8,8 (19.6) | 8,9 (19.9) | 9,0 (20.0) | 8,9 (19.8) | | 7,5 (16.9) | 8,2 (18.5) | 8,6 (19.2) | 8,7 (19.3) |
| | 36,0 (120) | 8,1 (17.8) | 8,2 (18.2) | 8,4 (18.4) | 8,3 (18.4) | | 6,1 (13.5) | 6,8 (15.0) | 7,4 (16.3) | 7,9 (17.4) |
| | 48,0 (150) | 6,8 (15.5) | 7,4 (16.8) | 7,5 (17.0) | 7,5 (17.1) | | 4,9 (11.2) | 5,5 (12.7) | 6,1 (14.0) | 6,6 (15.1) |
| | 56,0 (180) | (13.3) | 6,8 (15.4) | 6,1 (14.2) | 5,3 (12.4) | | | 4,9 (11.1) | 5,4 (12.3) | 5,9 (13.3) |
| | 64,0 (210) | | 5,2 (11.5) | 4,4 (9.8) | 3,6 (8.0) | | | | 4,9 (10.9) | 4,2 (9.4) |
| | 70,0 (235) | | | 3,4 (7.5) | 2,6 (5.7) | | | | | 3,1 (6.3) |
| | 76,0 (255) | | | 2,5 (5.6) | | | | | | 2,1 (4.2) |

Luffing jib range diagram

ANSI B30.5

Liftcrane Boom Capacities Fixed Jib Capacities - 134 Fixed Jib on No. 76 Main Boom



Luffing jib load charts

ANSI B30.5

Liftcrane Luffing Jib Boom Capacities - Model 14000 Series 2 No. 59 Luffing Jib on No. 58 Heavy Lift Main Boom

76 200 kg (168,000 lb) Counterweight 24 000 kg (53,000 lb) Carbody Counterweight 360° Rating kg (lb) x 1 000

87° Boom Angle

| | Boom m (ft) | 20,0 (65.6) | 32,0 (105.0) | 44,0 (144.4) | 53,0 (173.9) | 59,0 (193.6) |
|-------------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | Radius | | | | | |
| | 8,5 (28) | 53,7 (118.6) | | | | |
| | 10,0 (34) | 51,7 (112.4) | 48,6 (107.3) | 43,0 (94.9) | (85.0) | |
| 70 ft) | 12,0 (40) | 48,0 (105.3) | 48,1 (105.6) | 43,0 (94.9) | 38,4 (84.8) | 35,6 (78.5) |
| 3 m (| 16,0 (50) | 42,4 (95.7) | 42,7 (96.3) | 37,6 (86.2) | 34,9 (79.6) | 31,6 (72.1) |
| Length 21,3 m (70 | 20,0 (65) | 33,8 (75.5) | 36,0 (80.4) | 31,4 (69.8) | 29,3 (65.2) | 26,7 (59.5) |
| Leng | 24,0 (80) | | 25,6 (52.2) | 26,4 (57.2) | 24,9 (54.2) | 22,8 (49.6) |
| Luffing Jib | 26,0 (85) | | | | (44.9) | (46.8) |
| Luffir | 28,0 (95) | | | | | |
| | 32,0 (105) | | | | | |
| | 340 | | | | | |

| | Boom | 20,0 | 32,0 | 44,0 | 53,0 | 59,0 |
|--------------------|---------------|----------------|----------------|----------------|----------------|----------------|
| | m (ft) | (65.6) | (105.0) | (144.4) | (173.9) | (193.6) |
| | Radius | | | | | |
| | 8,5 (28) | | | | | |
| _ | 10,0 (34) | | | | | |
| 00 ft) | 12,0 (40) | 36,7 (80.6) | 36,3 (80.0) | | | |
| 30,5 m (100 | 16,0 (50) | 32,2 (72.8) | 32,2 (72.8) | 31,9 (71.6) | 29,8 (65.9) | 22,9 (51.1) |
| h 30, | 20,0 (65) | 28,5 (63.2) | 28,6 (63.6) | 28,6 (63.4) | 27,2 (60.5) | 21,8 (48.2) |
| -engt | 24,0 (80) | 25,4 (55.6) | 25,7 (56.3) | 25,1 (54.7) | 23,6 (51.4) | 20,7 (45.6) |
| Jil | 26,0 (85) | 23,9 (53.0) | 24,5 (54.3) | 23,4 (51.9) | 22,0 (48.8) | 19,6 (43.5) |
| Luffing Jib Length | 28,0 (95) | 21,5 (45.4) | 23,0 (48.3) | 21,8 (46.8) | 20,6 (44.1) | 18,4 (39.5) |
| _ | 32,0 (105) | 16,6 (36.7) | 19,1 (42.2) | 19,2 (42.4) | 18,1 (40.0) | 16,2 (35.9) |
| | 34,0 (115) | | | | 16,6 (31.7) | 15,2 (32.6) |

| | Boom | 20,0 | 32,0 | 44,0 | 53,0 | 59,0 |
|------------------------------------|---------------|----------------|----------------|---------|---------|---------|
| | m (ft) | (65.6) | (105.0) | (144.4) | (173.9) | (193.6) |
| | Radius | | | | | |
| | 15,2 (50) | 21,9 (48.5) | 21,1 (46.7) | | | |
| _ | 20,0 | 20,0 | 19,9 | 19,1 | 18,8 | 17,3 |
| | (65) | (44.4) | (44.2) | (42.2) | (40.2) | (38.2) |
| 40 ft | 24,0 | 17,8 | 17,9 | 17,9 | 17,5 | 16,8 |
| | (80) | (38.8) | (39.1) | (39.1) | (38.5) | (37.0) |
| 7 m (1 | 28,0 | 15,8 | 16,0 | 16,1 | 16,0 | 15,9 |
| | (95) | (34.0) | (34.5) | (34.7) | (34.6) | (34.3) |
| h 42, | 34,0 | 13,3 | 13,6 | 13,8 | 13,9 | 13,8 |
| | (115) | (28.7) | (29.2) | (29.7) | (29.9) | (29.8) |
| -engt | 40,0 | 11,4 | 11,6 | 11,8 | 12,0 | 12,0 |
| | (130) | (25.4) | (26.0) | (26.4) | (26.7) | (26.8) |
| Jibl | 44,0 | 9,7 | 10,6 | 10,8 | 10,9 | 10,8 |
| | (145) | (21.0) | (23.4) | (23.9) | (24.1) | (23.9) |
| Luffing Jib Length 42,7 m (140 ft) | 48,0 (160) | | | | | |
| _ | 52,0 (175) | | | | | |
| | 56,0 (185) | | | | | |

| | Boom | 20,0 | 32,0 | 44,0 | 53,0 | 59,0 |
|-------------|---------------|--------|---------|---------|--------------|--------------|
| | m (ft) | (65.6) | (105.0) | (144.4) | (173.9) | (193.6) |
| | Radius | | | | | |
| | 15,2 (50) | | | | | |
| _ | 20,0 | 15,6 | 15,6 | 15,3 | 14,1 | 13,6 |
| | (65) | (34.7) | (34.6) | (34.0) | (31.3) | (30.2) |
| 170 ft) | 24,0 | 13,7 | 13,8 | 13,8 | 12,8 | 12,6 |
| | (80) | (30.0) | (30.1) | (30.1) | (28.0) | (27.7) |
| 8 m (170 | 28,0 | 12,0 | 12,2 | 12,2 | 11,5 | 11,4 |
| | (95) | (25.6) | (26.1) | (26.3) | (24.7) | (24.6) |
| h 51,8 | 34,0 | 9,7 | 10,0 | 10,1 | 9,6 | 9,6 |
| | (115) | (20.8) | (21.3) | (21.6) | (20.5) | (20.6) |
| Length | 40,0 | 7,9 | 8,1 | 8,3 | 7,9 | 8,0 |
| | (130) | (17.7) | (18.1) | (18.6) | (17.7) | (17.9) |
| Luffing Jib | 44,0 | 6,8 | 7,0 | 7,2 | 6,9 | 6,9 |
| | (145) | (15.0) | (15.4) | (15.8) | (15.2) | (15.3) |
| -uffin | 48,0 | 5,8 | 6,0 | 6,2 | 6,0 | 6,1 |
| | (160) | (12.5) | (12.9) | (13.4) | (13.0) | (13.2) |
| _ | 52,0 | 4,8 | 5,0 | 5,2 | 5,0 | 5,1 |
| | (175) | (10.1) | (10.4) | (10.8) | (10.5) | (10.7) |
| | 56,0 (185) | | | | 4,1 (9.1) | 4,2 (9.3) |

Model 14000

Bigge

Luffing jib load charts

ANSI B30.5

Liftcrane Luffing Jib Boom Capacities - Model 14000 Series 2 No. 59 Luffing Jib on No. 58 Heavy Lift Main Boom

76 200 kg (168,000 lb) Counterweight 24 000 kg (53,000 lb) Carbody Counterweight kg (lb) x 1 000

75° Boom Angle

| | Boom m (ft) | 20,0 (65.6) | 32,0 (105.0) | 44,0 (144.4) | 53,0 (173.9) | 59,0 (193.6) |
|-----------------------------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|
| | Radius | | | | | |
| | 18,0 (55) | 40,0 (96.5) | | | | |
| | 20,0 (65) | 35,0 (78.2) | | | | |
| 70 ft) | 24,0 (80) | 27,9 (60.4) | 26,5 (57.5) | | | |
| 3 m (| 28,0 (95) | | 21,9 (46.4) | 20,5 (43.5) | 19,3 (40.9) | 18,5 — |
| th 21, | 32,0 (105) | | | 17,3 (38.3) | 16,3 (36.1) | 15,6 (34.4) |
| Leng | 34,0 (115) | | | | 15,1 (32.1) | 14,4 (30.6) |
| g Jib | 38,0 (125) | | | | | 12,4 (27.3) |
| Luffing Jib Length 21,3 m (70 ft) | 42,0 (135) | | | | | |
| _ | 44,0 (145) | | | | | |
| | 46,0 (155) | | | | | |

| Radius 18,0 (55) 20,0 (665) 24,0 27.6 (80) (59.7) (56.6) 28,0 22.8 21,5 20,1 (95) (48.2) (45.6) (42.5) (40.2) (37.5) (35.0) (33.3) 34,0 17.8 16,8 15,7 14,7 13,9 (115) (37.8) (35.8) (33.3) (31.2) (29.6) 42,0 (125) 42,0 (135) 11,9 11,1 10,5 (27.0) (25.2) (23.9) | AII | gie | | | | | |
|--|-----------|--------|--------|--------|--------|--------|-----------------|
| 18,0 (55) 20,0 (65) 20,0 (80) (59.7) (56.6) 28,0 22.8 21,5 20,1 (95) (48.2) (45.6) (42.5) 90 32,0 19.2 18,2 17,0 15,8 15,1 (105) (42.5) (40.2) (37.5) (35.0) (33.3) 34,0 17.8 16,8 15,7 14,7 13,9 (115) (37.8) (35.8) (33.3) (31.2) (29.6) 38,0 14,6 13,6 12,7 12,0 (25.2) (23.9) | | | | | , , | | 59,0 (193.6) |
| (55) 20,0 (65) 20,0 (65) 24,0 27.6 | | Radius | | | | | |
| (65) (24,0 27.6 — (80) (59.7) (56.6) 28,0 22.8 21,5 20,1 (95) (48.2) (45.6) (42.5) (105) (42.5) (40.2) (37.5) (35.0) (33.3) 34,0 17.8 16,8 15,7 14,7 13,9 (115) (37.8) (35.8) (33.3) (31.2) (29.6) 38,0 14,6 13,6 12,7 12,0 (125) (32.1) (29.9) (27.9) (26.5) 42,0 (135) (135) (27.0) (25.2) (23.9) | | | | | | | |
| 00 (80) (59.7) (56.6) 28,0 22.8 21,5 20,1 (95) (48.2) (45.6) (42.5) 21,5 (37.8) (35.8) (33.3) (31.2) (29.6) 21,5 (32.1) 21,0 21,0 21,0 21,0 21,0 21,0 21,0 21,0 | | | | | | | |
| 00 (80) (59.7) (56.6) 22.8 (21.5 (20.1) (25.5) (48.2) (45.6) (42.5) (42.5) (40.2) (37.5) (35.0) (33.3) (31.2) (29.6) (32.1) (29.9) (27.9) (26.5) (32.1) (29.9) (27.9) (26.5) (27.0) (25.2) (23.9) (27.9) (25.2) (23.9) (27.9) (25.2) (23.9) (27.9) (25.2) (23.9) (27.9) (25.2) (23.9) (27.9) (25.2) (23.9) (27.9) (25.2) (23.9) (27.9) (25.2) (23.9) (27.9) (25.2) (23.9) (27.9) (25.2) (23.9) (27.9) (25.2) (23.9) (27.9) (25.2) (23.9) (27.9) (25.2) (23.9) (27.9) (25.2) (23.9) (27.9) (25.2) (23.9) (27.9) (25.2) (23.9) (25.2) (23.9) (25.2) (25.2) (23.9) (25.2) (25.2) (23.9) (25.2) (25. | £ | 24,0 | 27.6 | _ | | | |
| 28,0 (48.2) (45.6) (42.5) (42.5) (45.6) (42.5) (45.6) (42.5) (45.6) (42.5) (45.6) (42.5) (45.6) (42.5) (45.6) (42.5) (45.6) (42.5) (40.2) (37.5) (35.0) (33.3) (31.2) (29.6) (37.8) (35.8) (33.3) (31.2) (29.6) (42.5) (42.5) (44.6) (32.1) (29.9) (27.9) (26.5) (42.0) (42. | 8 | (80) | (59.7) | (56.6) | | | |
| En (95) (48.2) (45.6) (42.5) OC 32,0 19.2 18,2 17,0 15,8 15,1 (105) (42.5) (40.2) (37.5) (35.0) (33.3) 34,0 17.8 16,8 15,7 14,7 13,9 (115) (37.8) (35.8) (33.3) (31.2) (29.6) 38,0 14,6 13,6 12,7 12,0 (125) (32.1) (29.9) (27.9) (26.5) 42,0 11,9 11,1 10,5 (27.0) (25.2) (23.9) | ت | 28,0 | 22.8 | 21,5 | 20,1 | | |
| 96 32,0 19.2 18,2 17,0 15,8 15,1 (105) (42.5) (40.2) (37.5) (35.0) (33.3) 34,0 17.8 16,8 15,7 14,7 13,9 (115) (37.8) (35.8) (33.3) (31.2) (29.6) 38,0 14,6 13,6 12,7 12,0 (125) (32.1) (29.9) (27.9) (26.5) 42,0 11,9 11,1 10,5 (35.8) (27.0) (25.2) (23.9) | 2 2 | (95) | (48.2) | (45.6) | (42.5) | | |
| (105) (42.5) (40.2) (37.5) (35.0) (33.3) 34.0 17.8 16.8 15.7 14.7 13.9 (115) (37.8) (35.8) (33.3) (31.2) (29.6) 14.6 13.6 12.7 12.0 (125) (32.1) (29.9) (27.9) (26.5) 42.0 11.9 11.1 10.5 (27.0) (25.2) (23.9) | ő, | 32,0 | 19.2 | 18,2 | 17,0 | 15,8 | 15,1 |
| 34,0 17.8 16,8 15,7 14,7 13,9 (115) (37.8) (35.8) (33.3) (31.2) (29.6) (29.6) (125) (32.1) (29.9) (27.9) (26.5) (135) (27.0) (25.2) (23.9) (27.0) (25.2) (23.9) | 2 | (105) | (42.5) | (40.2) | (37.5) | (35.0) | (33.3) |
| 1 (115) (37.8) (35.8) (33.3) (31.2) (29.6) 38,0 14,6 13,6 12,7 12,0 (125) (32.1) (29.9) (27.9) (26.5) 42,0 11,9 11,1 10,5 (135) (27.0) (25.2) (23.9) | g | | | | | | |
| 38,0 14,6 13,6 12,7 12,0 (21.5) (32.1) (29.9) (27.9) (26.5) (42,0 11,9 11,1 10,5 (27.0) (25.2) (23.9) | Ē | (115) | (37.8) | (35.8) | (33.3) | (31.2) | (29.6) |
| (32.1) (29.9) (27.9) (26.5) 42,0 (135) (27.0) (25.2) (23.9) (41.0) (27.0) (25.2) (23.9) | <u>.e</u> | | | | | | |
| 42,0 (135) (135) (27.0) (25.2) (23.9) | ر و | (125) | | (32.1) | (29.9) | (27.9) | (26.5) |
| (135) (27.0) (25.2) (23.9) | ij | | | | | | |
| 40.4 0.0 | 품 | (135) | | | (27.0) | (25.2) | (23.9) |
| 44,0 10,4 9,8 | _ | 44,0 | | | | 10,4 | 9,8 |
| (145) (22.8) (21.7) | | (145) | | | | (22.8) | (21.7) |
| 46,0 9,2 | | | | | | | |
| (155) | | (155) | | | | | (19.6) |

| | Boom m (ft) | 20,0 (65.6) | 32,0 (105.0) | 44,0 (144.4) | 53,0 (173.9) | 59,0 (193.6) |
|------------------------------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|
| | Radius | | | | | |
| | 28,0 (90) | 17,8 (40.0) | | | | |
| - | 34,0 (115) | 15,1 (32.4) | 16,3 (34.9) | 15,2 (32.3) | (30.0) | |
| 140 ft | 38,0 (125) | 13,5 (29.8) | 14,2 (31.3) | 13,1 (28.9) | 12,2 (26.8) | 11,5 (25.4) |
| 7 m (| 44,0 (145) | 11,5 (25.4) | 11,7 (25.7) | 10,8 (23.7) | 9,9 (21.9) | 9,4 (20.6) |
| th 42, | 46,0 (155) | 11,0 (23.7) | 11,0 (23.4) | 10,1 (21.6) | 9,3 (19.9) | 8,8 (18.8) |
| Luffing Jib Length 42,7 m (140 ft) | 50,0 (165) | | 9,7 (21.4) | 9,0 (19.7) | 8,3 (18.2) | 7,8 (17.1) |
| dil g | 54,0 (180) | | | 8,0 (17.3) | 7,4 (15.9) | 6,9 (15.0) |
| Luffin | 60,0 (195) | | | | | (13.1) |
| | 64,0 (210) | | | | | |
| | 68,0 (225) | | | | | |

| | Boom m (ft) | 20,0 (65.6) | 32,0 (105.0) | 44,0 (144.4) | 53,0 (173.9) | 59,0 (193.6) |
|-------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|
| | Radius | | | | | |
| | 28,0 (90) | | | | | |
| | 34,0 (115) | 11,2 (24.0) | (26.4) | | | |
| 170 ft) | 38,0 (125) | 9,8 (21.6) | 10,9 (24.0) | (26.1) | | |
| 51,8 m (170 | 44,0 (145) | 7,9 (17.5) | 8,9 (19.6) | 9,9 (21.7) | 9,6 (21.2) | 9,0 (19.9) |
| th 51, | 46,0 (155) | 7,4 (15.7) | 8,3 (17.6) | 9,3 (19.7) | 9,0 (19.2) | 8,4 (18.0) |
| Length | 50,0 (165) | 6,4 (14.1) | 7,2 (15.8) | 8,1 (17.8) | 8,0 (17.5) | 7,5 (16.4) |
| Luffing Jib | 54,0 (180) | 5,4 (11.5) | 6,2 (13.3) | 7,1 (15.2) | 7,1 (15.3) | 6,6 (14.3) |
| Luffin | 60,0 (195) | | 4,7 (10.8) | 5,5 (12.6) | 5,9 (13.4) | 5,6 (12.6) |
| | 64,0 (210) | | | 4,5 (10.1) | 4,9 (10.8) | 4,9 (11.0) |
| | 68,0 (225) | | | | | 4,3 (9.4) |

Luffing jib load charts

ANSI B30.5

Liftcrane Luffing Jib Boom Capacities - Model 14000 Series 2 No. 59 Luffing Jib on No. 58 Heavy Lift Main Boom

76 200 kg (168,000 lb) Counterweight 24 000 kg (53,000 lb) Carbody Counterweight

360° Rating

kg (lb) x 1 000

65° Boom Angle

| | Boom m (ft) | 20,0 (65.6) | 32,0 (105.0) | 44,0 (144.4) | 53,0 (173.9) | 59,0 (193.6) |
|-----------------------------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|
| | Radius | | | | | |
| | 26,0 (80) | 23,8 (57.0) | | | | |
| | 28,0 (95) | 21,7 (46.0) | (41.8) | | | |
| 70 ft) | 32,0 (105) | | 16,7 (36.9) | | | |
| 3 m (| 34,0 (115) | | 15,4 (32.8) | 13,5 (28.7) | | |
| th 21, | 38,0 (125) | | | 11,7 (25.8) | (22.5) | |
| Leng | 42,0 (135) | | | (23.1) | 8,9 (20.2) | 7,9 (18.1) |
| Luffing Jib Length 21,3 m (70 ft) | 44,0 (145) | | | | 8,3 (18.2) | 7,4 (16.3) |
| Luffin | 46,0 (155) | | | | | 6,9 (14.7) |
| | 52,0 (170) | | | | | |
| | 56.0 | | | | | |

| | Boom m (ft) | 20,0 (65.6) | 32,0 (105.0) | 44,0 (144.4) | 53,0 (173.9) | 59,0 (193.6) |
|------------------------------------|----------------|----------------|-----------------|-----------------|-----------------|-----------------|
| | Radius | | | | | |
| | 26,0 (80) | | | | | |
| | 28,0 (95) | (45.2) | | | | |
| 100 ft | 32,0 (105) | 18,1 (39.9) | | | | |
| 5 m (1 | 34,0 (115) | 16,7 (35.5) | (31.9) | | | |
| h 30, | 38,0 (125) | 14,4 (31.8) | 13,0 (28.6) | | | |
| Luffing Jib Length 30,5 m (100 ft) | 42,0 (135) | | 11,3 (25.8) | 9,7 (22.2) | | |
| g Jib | 44,0 (145) | | 10,6 (23.4) | 9,1 (20.1) | 7,8 (17.2) | |
| uffin | 46,0 (155) | | | 8,6 (18.3) | 7,3 (15.6) | 6,4 (13.7) |
| _ | 52,0 (170) | | | | 6,0 | 5,3 (11.8) |
| | 56,0 (185) | | | | | 4,6 (10.2) |

| | Boom m (ft) | 20,0 (65.6) | 32,0 (105.0) | 44,0 (144.4) | 53,0 (173.9) |
|------------------------------------|----------------|----------------|-----------------|-----------------|-----------------|
| | Radius | | | | |
| | 38,0 (120) | 14,1 (32.7) | | | |
| _ | 42,0 (135) | 12,3 (28.0) | 10,9 (24.8) | | |
| 140 ft | 44,0 (145) | 11,5 (25.4) | 10,2 (22.5) | | |
|) m / | 46,0 (155) | 10,9 (23.2) | 9,6 (20.4) | (17.2) | |
| Luffing Jib Length 42,7 m (140 ft) | 52,0 (170) | (20.3) | 8,0 (17.9) | 6,7 (15.0) | 5,5 (12.4) |
| Leng | 56,0 (185) | | 7,2 (15.7) | 6,0 (13.1) | 4,9 (10.7) |
| g Jib | 60,0 (200) | | | 5,3 (11.4) | 4,3 (9.3) |
| nffin. | 66,0 (215) | | | | |
| _ | 68,0 (225) | | | | |
| | 70,0 (235) | | | | |

| | Boom m (ft) | 20,0 (65.6) | 32,0 (105.0) | 44,0 (144.4) |
|-------------------|----------------|----------------|-----------------|-----------------|
| | Radius | | | |
| | 38,0 (120) | | | |
| _ | 42,0 (135) | | | |
| 170 ft) | 44,0 (145) | 65,9 (19.5) | | |
| 8 m (170 | 46,0 (155) | 51,1 (17.6) | 50,9 (19.7) | |
| th 51,8 | 52,0 (170) | 41,1 (14.9) | 40,9 (17.2) | 39,4 (14.2) |
| Leng | 56,0 (185) | 31,9 (12.5) | 31,8 (15.1) | 31,7 (12.3) |
| uffing Jib Length | 60,0 (200) | 25,6 (10.1) | 25,5 (12.8) | 35,3 (10.8) |
| Luffin | 66,0 (215) | | 18,3 (10.3) | 18,2 (9.4) |
| _ | 68,0 (225) | | | 18,2 (8.6) |
| | 70,0 (235) | | | 18,2 (7.8) |

Model 14000

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Manitowoc Crane Care

Crane Care is Manitowoc's comprehensive service and support program. It includes classroom and on-site training, prompt parts availability, expert field service, technical support and documentation — for every one of the more than 7,000 Manitowoc cranes currently in use throughout the world.

That's commitment you won't find anywhere else.

That's Crane Care.

Service Training

Manitowoc specialists work with you in our training center and in the field to make sure you know how to get maximum performance, reliability and life from your cranes.

Manitowoc Cranes Technical Training Center provides valuable multi-level training, which is available for all models and attachments, in the following format:

- · **Basic** Provides technicians with the basic skills required in our Level I and II classes covering hydraulic and electrical theory and schematics, pump, motor, control, and LMI operation and the use of meters and gauges.
- Level 1 This model-specific class covers theory and offers hands-on training and trouble shooting or all crane systems.
- Level 2 This model-specific class provides in-depth coverage of all crane systems and components, and advanced troubleshooting of simulated faults. (Requires Level 1.)
- · Level 3 / Master Covering all EPIC models and the 4100W, this class stresses high level system knowledge and trouble shooting of simulated faults. (Requires Level 2.)

Parts Availability

Genuine Manitowoc replacement parts are accessible through your distributor 24 hours a day, 7 days a week, 365 days a year.

Service Interval Kits

Provides all the parts required by Manitowoc's Preventative Maintenance Checklist.

Hydraulic Filter Kit

Consists of the following:

· Filter Element - Hydraulic in Tank (4)

Cummins Model QSL 8.9 Liter Diesel

- Service Interval Kits

200 Hour Kit

Consists of the following:

Engine

- · Filter Oil (1)
- Filter Water (1)
- Filter Fuel (1)

1,000 Hour Kit

Consists of the following:

Engine

- · Filter Air Cleaner Primary (1)
- · Filter Oil (1)
- · Filter Water (14)
- · Filter Fuel (1)

Hydraulic

- · Filter Element Hydraulic in Tank (4)
- · Element Hydraulic Tank Breather (1)

2,000 Hour Kit

Consists of the following:

Engine

- · Filter, Air Cleaner Primary (1)
- · Filter, Air Cleaner Safety (1)
- Filter, Oil (1)
- Filter, Water (1)
- Filter, Fuel (1)
- Ether, (Bottle) (1)
- Sensor, Coolant Level (10)
- Belt, Fan (1)
- Belt, Alternator (set of two) (1)
- Filter, Element (1)

Hydraulic

- · Filter Element No substitutions allowed
- · Filter Hydraulic In-Tank Suction (4)

Kit, Engine Coolant Additive (SCA) Test (1) Kit, Seal (for hydraulic in tank filter) (1) Seal, Radial (for air cleaner) (1)

Hydraulic Test Kit

Protect your investment by demanding Genuine Manitowoc Parts Service Kits. The Hydraulic Service Kit consist of the following:

- · All hydraulic fittings to access all pressures and flows
- Hydraulic flow meters and pressure gauges to record hydraulic data.
- Electrical "Break out" harnesses to access voltages on all electrical circuits on all machines.
- Fluke® Digital volt ohm meter, as used in all Manitowoc service literature.

Manitowoc Crane Care

Hydraulic Test Kit with case

The above kit plus a custom heavy-duty carrying case.

U.S. Standard Tools Kit

All standard tools needed to properly maintain and service your crane. (Does not include torque wrench.)

Field Service

Factory-trained service experts are always ready to help maintain your crane's peak performance.

For a worldwide listing of dealer locations, please consult our website at:

www.manitowoc.com

Technical Support

Manitowoc's dealer network and factory personnel are available 24 hours a day, 7 days a week, 365 days a year to answer your technical questions and more, with the help of computerized programs that simplify crane selection, lift planning and ground-bearing calculations.

For a worldwide listing of dealer locations, please consult our website at:

www.manitowoc.com

Technical Documentation

Manitowoc has the industry's most extensive documentation, and the easiest to understand, available in major languages and formats that include print, disk and videotape.

Additional copies available through your Authorized Manitowoc Distributor.

- · Crane Operator's Manual
- · Crane Parts Manual
- · Crane Capacity Manual
- · Crane Vendor Manual
- **Service Manual (EPIC)**
- **Luffing Jib Operator's/Parts Manual**
- · Capacity Chart Manual Attachments

CD rom versions of the Operator's and Parts Manuals are shipped with each crane.

Also available are the following CDs:

- · Crane Care Owner CD -
- Ground Bearing Pressure Estimator CD
- · Crane Selection and Planning Software (CompuCRANE®)
- EPIC® Crane Library CD consisting of capacity charts, range diagrams, wire rope specifications, travel specifications, crane weights, counterweight arrangements, luffing jib raising procedures, operating range diagrams, drum and lagging charts, boom rigging drawings, jib rigging drawings, outline dimensions and wind condition charts.

Available from your Authorized Manitowoc Cranes Distributor, these VHS videos are available in NTSC, PAL and SECAM formats.

- · Your Capacity Chart Video
- · Respect the Limits Video
- · Crane Safety Video
- · Boom Inspection/Repair Video

Crane Care Package

Manitowoc has assembled all of the available literature, CD's and videos listed above plus several Manitowoc premiums into one complete Crane Care Package.



Model 14000

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Bigge

Notes

Notes

Model 14000

Bigge

Manitowoc National Crane Potain



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Saris

U.S.A.

Manitowoc Port Washington Shady Grove

Bigge Crane and Rigging Co.

10700 Bigge Avenue San Leandro, CA 94577

Phone: (888) 337-BIGGE or (510) 638-8100

Fax: (510) 639-4053

Email: info@bigge.com Web site: www.bigge.com

Constant improvement and engineering progress make it necessary that we reserve the right to make specification, equipment and price changes without notice. Illustrations shown may include optional equipment and accessories, and may not include all standard equipment.

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Hydraulic Truck Crane Product Data

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Outstanding mobility on the road and on the job site

- Cruise control
- Three stage engine compression brake
- Ether injection system optional
- Automated transmission (no clutch pedal) -12 speeds forward, 2 speeds reverse with two modes of operation: fully automatic and semi-automatic
- Job site travel is permissible with all 39,500 lbs (17 917.2 kg) of counterweight for exceptional job site
 - HTC: 1.3 mph *(2.1 km)* job site travel HTT: 1.2 mph *(1.9 km)* job site travel
- Highway speeds unmatched in the industry today:
 - HTC: up to 62.3 mph (100.3 km/hr)
 - HTT: up to 56.1 mph (90.2 km/hr)



☐ Boom dolly/trailer ready when equipped with optional boom float kit and rear electrical and air connections

□ Optional rear electrical and air connections



ride and precise handling. Optional air-ride lift system holds the rear



impressive numbers of

line pull and line speed

flexibility, big engine

and transmission

power, along with

incredible mobility

on the road or on

 $\hfill \square$ All counterweight configurations can be raised and lowered by hydrau-

lic cylinders from the comfort of the

operator's cab for ease of installation

the job

air ride promise

Counterweight

☐ There are two standard locking storage boxes with options for up to four boxes





□ Raydan™ air-ride suspension front and rear provides a smooth suspension retracted while the crane is on outriggers.

BİGGE



in confined areas.

BİGGE



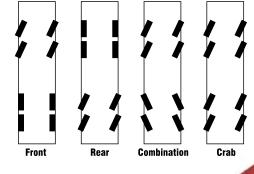
when control is in neutral position.

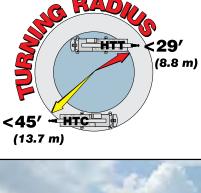


Steerable all wheel axles, in conjunction with super single tires, makes the HTT even harder to beat on the job-site. And NO changes to the on-outrigger capacity charts.

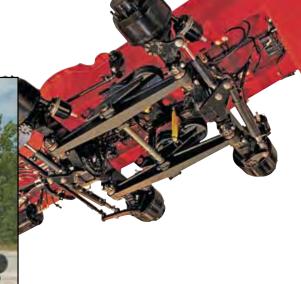
- Drive and steer capabilities for the rear axles
- Four steering modes:
 Independent front

 - Independent rear
 - Combination
 - Crab
- Rear axles self-center and lock in the straight ahead position for high speed travel.
- Turning radius under 29 ft (8.8 m) at the edge of the tire
- 445/65R22.5 tires front and rear that are interchangeable
- Only one spare rim and tire combination is needed.
- Transverse (cross-axle) differential locks that greatly improve traction on unimproved job-site conditions.









Bigge



- Extra large front window almost seamlessly merges into the roof
- Sliding left side door, right and rear windows, and swing up top window provide excellent ventilation
- All gauges, switches, indicators, and controls are placed in the operators forward line of sight for excellent ergonomics
- All gauges and switches are backlit for excellent visibility when the cab working lights are switched to the on position
- Available Integrated air conditioning utilizes the same ventilation outlets as the standard heating system







Integrated Microguard rated capacity limiter with color graphic display, for excellent contrast even in direct sunlight, aids the operator in safe and efficient operation by continuously monitoring a multitude of crane conditions. Optional external and internal light bars inform the operator and/or ground crew of the percentage of capacity.







Multiple counterweight configurations give you capacities for any size job

- Standard Total of 11,500 lbs (5 216 kg) of removable counterweights. Capacities for five different counterweight configurations.
- Optional Up to 39,500 lbs (17 917.2 kg) of removable counterweights. Capacities for up to thirteen different counterweight configurations.
- All configurations can be raised and lowered by hydraulic cylinders from the comfort of the operator's cab for ease of installation and removal.

Your crane investment is always protected ... with your Link-Belt distributor.

When you invest in a Link-Belt crane, you invest in a legacy of outstanding customer support dating back to 1874. The ultimate value of a machine begins with state-of-the-art design and quality manufacturing, but it is the excellent Link-Belt distributor product support that determines its long term value. This philosophy has earned Link-Belt cranes the enviable position of traditionally commanding some of the highest resale prices in the industry.



As a member of Link-Belt Cranes user's group, you will have access to:

- · Online access to a comprehensive library of all parts, service and operator manuals for YOUR crane
- · Interactive, live groundbearing calculations for YOUR crane
- · Plus a vast array of information on new products, services and special offerings



Link-Belt headquarters - Lexington, Kentucky



TRAINING PROGRAM

Link-Belt's investment in the highly acclaimed Master Technician Training Program is further testimony to its commitment to highly trained, experienced service personnel.

Technical schools are specifically designed to establish proficiency in three phases: fundamentals, machine systems, and diagnostics/repair. To further support these highly trained distributor personnel, Link-Belt has dedicated, full time factory technical advisors available with comprehensive machine records, drawings and technical publications to quickly isolate and resolve service issues.

Link-Belt Construction Equipment Company is a leader in the design, manufacture and sales of telescopic and lattice boom cranes, with headquarters in Lexington, Kentucky.

In the recent decade, a dynamic and highly focused Link-Belt has emerged as a market leader in crane design and product quality standards by focusing on continuous improvement and employee empowerment.

Link-Belt's core production base and center for worldwide operations is its 500,000 sq. ft. (46 451.5 m²) manufacturing facility in Lexington, Kentucky.

With major expansions over the last ten years, along with continuous improvement philosophies, this facility has emerged as the most modern crane facility in North America.



No one knows your Link-Belt crane better than our trained technical specialists and coupled with the energy of our customer parts representatives, no one in the crane industry provides faster, more efficient customer service.

With state of the art computer information systems, distributors order Genuine Link-Belt Parts 24 hours a day, 7 days a week.

Our dedicated 72,000 sq. ft. (6 689 m²) Parts Distribution Center is an integral part of our product support commitment where we invest in an extensive and well planned parts inventory. And all parts in stock ship the same business day.



LINK-BELT CONSTRUCTION EQUIPMENT COMPANY

Lexington, Kentucky | www.linkbelt.com

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We are constantly improving our products and therefore reserve the right to

Litho in U.S.A. 11/07 #4344 (supersedes #4331)



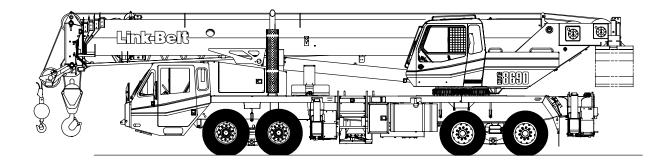
Link-Belt Parts Distribution Center



Technical Data

Specifications & Capacities





CAUTION: This material is supplied for reference use only. Operator must refer to in-cab Crane Rating Manual and Operator's Manual to determine allowable crane lifting capacities and assembly and operating procedures.

Link-Belt Cranes HTC-8690

This information is for reference use only. Operators manual should be consulted and adhered to.

Please contact Bigge Crane and Rigging Co. at 888-337-BIGGE or email info@bigge.com for further information.

Bigge

5460 (supersedes 5424)-0506-N3

HTC-8690 Link-Belt Cranes





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Boom, Attachments, and Upper Structure

■ Boom

Design – Five section, formed construction of extra high tensile steel consisting of one base section and four telescoping sections. The two plate design of each section has multiple longitudinal bends for superior strength. Each telescoping section extends independently by means of one double-acting, single stage hydraulic cylinder with integrated holding valves.

Boom

- 38-140 ft (11.6-42.7m) five section boom
- · Integral boom dolly connection
- Five boom extend modes (EM1 through EM5), controlled from the operator's cab, provide superior capacities by varying the extension of the telescoping sections:
 - EM1 extends to 140.0 ft (42.7m)
 - EM2 extends to 127.3 ft (38.8m)
 - EM3 extends to 115.8 ft (35.3m)
 - EM4 extends to 102.0 ft (31.1m)
 - EM5 extends to 76.5 ft (23.3m)
- Mechanical boom angle indicator
- · Maximum tip height for each extend mode is:
- EM1 is 148 ft (45.1m)
- EM2 is 135 ft (41.1m)
- EM3 is 124 ft (37.8m)
- EM4 is 110 ft (33.5m)
- EM5 is 84 ft (25.6m)

Boom Wear Pads

- Wear pads with Teflon inserts that self-lubricate the boom sections
- Bottom wear pads are universal for all boom sections
- Top wear pads are universal for all boom sections

Boom Head

- Five 16.5 in (41.9cm) root diameter nylon sheaves to handle up to ten parts of line
- Easily removable wire rope guards
- Rope dead end lugs on each side of the boom head
- Boom head is designed for quick-reeve of the hook

Boom Elevation

- · One double acting hydraulic cylinder with integral holding valve
- Boom elevation: -3° to 80°

Auxiliary Lifting Sheave - Optional

- Single 16.5 in (41.9m) root diameter nylon sheave
- Easily removable wire rope guards
- Does not affect erection of the fly or use of the main head sheaves

Hook Blocks and Balls - Optional

- 40 ton (36.3mt) 4 sheave quick-reeve hook block with safety latch
- 60 ton (54.4mt) 4 sheave quick-reeve hook block with safety latch
- 90 ton (81.6mt) 6 sheave quick-reeve hook block with safety latch
- 8.5 ton (7.7mt) swivel and non-swivel hook balls with safety latch
- 10 ton (9.1mt) swivel and non-swivel hook balls with safety latch

Fly - Optional

- 35 ft (10.7m) one piece lattice fly, stowable, offsettable to 2°, 15°, 30°, and 45°. Maximum tip height is 182 ft
- 35 ft 58 ft (10.7 17.7m) two piece bi fold lattice fly, stowable, offsettable to 2°, 15°, 30°, and 45°. Maximum tip height is 205 ft (62.5m).

Fly Extensions - Optional

- One 16 ft (4.9m) lattice extension, equipped with two 16.5 in (41.9cm) root diameter nylon sheaves, to be mounted between the boom head and fly options. Maximum tip height is 221 ft (67.4m).
- Two 16 ft (4.9m) lattice extensions, one equipped with two 16.5 in (41.9cm) root diameter nylon sheaves, to be mounted between the boom head and fly options. Maximum tip height is 237 ft (72.2m). Minimum of 14,500 lb (6 577.1kg) of counterweight required.

Upper Operator's Cab and Controls

Environmental Cab - Fully enclosed, one person cab of galvaneal steel structure with acoustical insulation. Equipped with:

- · Tinted and tempered glass windows
- Extra-large fixed front window with windshield wiper and washer
- Swing up roof window with windshield wiper
- · Sliding left side door with large fixed window
- Sliding rear and right side windows for ventilation
- · Six way adjustable, cushioned seat with seat belt and storage compartment
- Engine dependent warm-water heater with air ducts for front windshield defroster and cab floor
- · Defroster fan for the front window
- Bubble level
- · Circulating fan
- · Adjustable sun visor
- · Dome light
- Cup holder
- Fire extinguisher
- · Left side viewing mirror
- Pull-out cabwalk
- · Two position travel swing lock

Air Conditioning - Optional - Integral with cab heating system utilizing the same ventilation outlets

Armrest Controls - Two dual axis hydraulic joystick controllers or optional single axis hydraulic controllers for:

- Swing
- Boom hoist
- · Main rear winch
- · Auxiliary front winch optional
- Drum rotation indication
- · Drum rotation indicator activation switch
- Winch high/low speed and disable switch(es)
- Third wrap selector switch optional
- · Counterweight handling switch
- Telescopic override switches
- · Warning horn button

Outrigger Controls - Hand held control box with umbilical cord gives the operator the freedom to view operation while setting the outriggers.

Foot Controls

- · Boom telescope
- Swing brake
- · Engine throttle

Right Front Console - Controls and indicators for:

- Engine ignition
- Engine throttle lock
- Pump enable
- Function disable
- Swing park brake
- Front windshield wiper and washer
- · Cab floodlights
- Warning horn

- Heating controls · Console dimmer switch
- Bubble level
- 12 volt power connection
- Air conditioning optional • Boom floodlight – optional
- · Rotating beacon/Strobe
 - light optional

Cab Instrumentation - Ergonomically positioned, analog instrumentation for crane operation including:

- · Check and stop engine indicators
- Engine coolant temperature with warning indicator
- Hydraulic oil temperature with warning indicator
- · Low air pressure warning indicator
- Fuel level with warning indicator
- Tachometer

Rated Capacity Limiter - Microguard 540 color graphic audio-visual warning system integrated into the dash with anti-two block and function limiter. Operating data available includes:

- Crane configuration
- Boom length and angle
- · Boom head height
- · Allowed load and % of allowed load
- Boom angle
- · Radius of load
- · Actual load
- · Counterweight removal
- Operator settable alarms (include):
 - Maximum and minimum boom angles
 - · Maximum and minimum tip height
 - Maximum boom length
 - Left/right swing positions
 - · Operator defined area (imaginary plane)

Integrated Third Wrap Indicator - Optional - Microguard color display visually and audibly warns the operator when the wire rope is on the first/bottom layer and when the wire rope is down to the last three wraps.

Internal RCL Light Bar - Optional - Visually informs the operator when crane is approaching maximum load capacity with a series of green, yellow, and red lights.

External RCL Light Bar - Optional - Visually informs the ground crew when crane is approaching maximum load capacity with a series of green, yellow, and red lights.

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Swing

Motor/Planetary - Bi-directional hydraulic swing motor mounted to a planetary reducer for 360° continuous smooth swing at 1.7 rpm.

Swing Park Brake - 360°, electric over hydraulic, (spring applied/hydraulic released) multi-disc brake mounted on the speed reducer. Operated by a switch from the operator's cab.

Swing Brake - 360°, foot operated, hydraulic applied disc brake mounted to the speed reducer.

Swing Lock – Two-position swing lock (boom over front or rear) operated from the operator's cab.

360° Positive Swing Lock - Optional - Meets New York City requirement.

Electrical

Swing Alarm - Audio warning device signals when the upper is swinging.

Lights

- · Two working lights on front of the cab
- One rotating amber beacon on top of the cab optional
- One amber strobe beacon on top of the cab optional
- Boom floodlight optional

Additional Equipment

Left side aluminum storage box

Load Hoist System **Load Hoist Performance**

| | Main (Rear) and Auxiliary (Front) Winches – 3/4 in (19mm) Rope | | | | | | | | | | |
|-------|--|---------|-------------------|-------|-----------------|-------|-------|------|-------|-------|--|
| | Maximum Line Pull | | Normal Line Speed | | High Line Speed | | Layer | | Total | | |
| Layer | lb | kg | ft/min | m/min | ft/min | m/min | ft | m | ft | m | |
| 1 | 16,880 | 7 656.6 | 179 | 54.6 | 356 | 108.5 | 114 | 34.7 | 114 | 34.7 | |
| 2 | 15,519 | 7 039.3 | 195 | 59.4 | 387 | 118.0 | 124 | 37.8 | 238 | 72.5 | |
| 3 | 14,362 | 6 514.5 | 211 | 64.3 | 418 | 127.4 | 134 | 40.8 | 372 | 113.4 | |
| 4 | 13,365 | 6 062.3 | 226 | 68.9 | 449 | 136.9 | 144 | 43.9 | 516 | 157.3 | |
| 5 | 12,497 | 5 668.5 | 242 | 73.8 | 480 | 146.3 | 154 | 46.9 | 670 | 204.2 | |
| 6 | | | | | | | 164 | 50.0 | 834 | 254.2 | |

| Wire Rope Application | | Dian | neter | Туре | | mum ible Load |
|--------------------------|----------|------|-------|--|--------|------------------|
| | | in | mm | | lb | kg |
| M : (D) M() | Standard | 3/4 | 19 | 18x19 rotation resistant – right regular lay (Type RB) | 12,920 | 5 860.5 |
| Main (Rear) Winch Option | | 3/4 | 19 | 36x7 rotation resistant - right regular lay (Type ZB) | 15,600 | 7 076.2 |
| A '11' (F 1) 14.5' I | Standard | 3/4 | 19 | 18x19 rotation resistant – right regular lay (Type RB) | 12,920 | 5 860.5 |
| Auxiliary (Front) Winch | Optional | 3/4 | 19 | 36x7 rotation resistant - right regular lay (Type ZB) | 15.600 | 7 076.2 |

2M Main and Optional Auxiliary Winches

- Axial piston, full and half displacement (2-speed) motors driven through planetary reduction unit for positive control under all load conditions.
- Grooved lagging
- Power up/down mode of operation
- Hoist drum cable follower optional

- · Drum rotation indicator
- Drum diameter: 16 in (40.6cm)
- Rope length:
- Main: 730 ft (222.5m)
- Auxiliary: 600 ft (182.9m) or 730 ft (222.5m)
- Maximum rope storage: 834 ft (254.2m)
- · Terminator style socket and wedge

Third wrap indicator - optional - Visually and audibly warns the operator when the wire rope is on the bottom layer and when the wire rope is down to the last three wraps.

Hydraulic System

All circuits of the hydraulic system are pressure compensated.

Counterbalance Valves - All hoist motors, boom extend cylinders, and boom hoist cylinders are equipped with counterbalance valves to provide load lowering and to prevent accidental load drop if hydraulic power is suddenly reduced.

Hydraulic Oil Coolers - Two carrier mounted coolers remove heat from the hydraulic oil. One is integral to the engine radiator/charge air cooler and the other is mounted in left side access ladder.

Boom Hoist Float Valves (Optional) - For transporting the boom over the rear of the crane with a boom dolly. Allows hydraulic oil within the boom hoist cylinder to flow between piston side and case side, allowing the boom to float while on the boom dolly.

Swing Brake Release - For transporting the boom over the rear of the crane with a boom dolly. Holds the 360° swing park brake in the released position allowing free rotation of the upper structure.

Counterweight

Standard - Total of 11,500 lb (5 216kg) of total counterweight consisting of three, hydraulically removable counterweights. Assembled and disassembled by hydraulic cylinders controlled from the operator's cab with capacities for:

- 0 lb (0kg) counterweight
- 2,500 lb (1 134.0kg) counterweight
- 5,500 lb (2 494.8kg) counterweight
- 8,500 lb (3 855.5kg) counterweight
- 11,500 lb (5 216.3kg) counterweight

Optional - 15,000 lb (6 803.9kg) in addition to standard counterweight for a total of 26,500 lb (12 020.2kg) with additional capacities for:

- 14,500 lb (6 577.1kg) counterweight
- 20,500 lb (9 298.6kg) counterweight
- 23,500 lb (10 659.4kg) counterweight
- 26,500 lb (12 020.2kg) counterweight

Optional - 21,000 lb (9 525.4kg) in addition to standard counterweight for a total of 32,500 lb (14 741.8kg) with additional capacities for:

- 14,500 lb (6 577.1kg) counterweight
- 17,500 lb (7 937.9kg) counterweight
- 20,500 lb (9 298.6kg) counterweight
- 23,500 lb (10 659.4kg) counterweight
- 26,500 lb (12 020.2kg) counterweight
- 29,500 lb (13 381.0kg) counterweight
- 32,500 lb (14 741.8kg) counterweight

Optional - 28.000 lb (12 700.6kg) in addition to standard counterweight for a total of 39,500 lb (17 916.9kg) with additional capacities for:

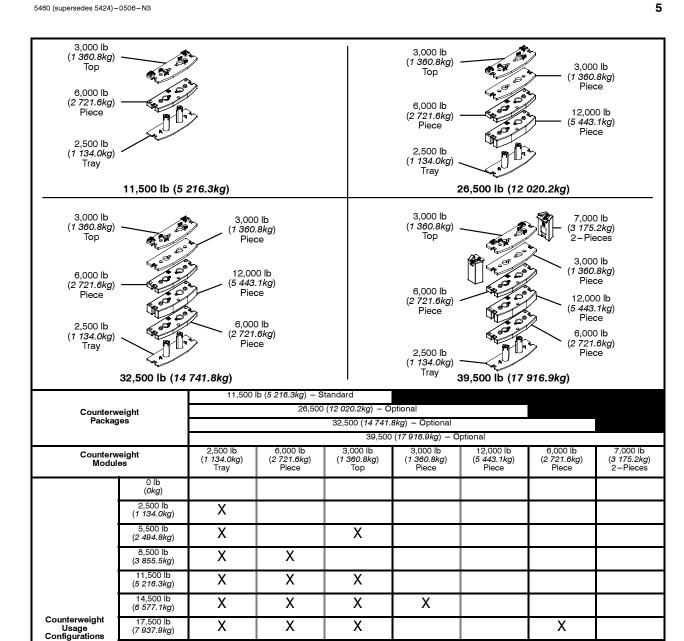
- 14,500 lb (6 577.1kg) counterweight
- 17,500 lb (7 937.9kg) counterweight
- 20,500 lb (9 298.6kg) counterweight
- 23,500 lb (10 659.4kg) counterweight
- 26,500 lb (12 020.2kg) counterweight
- 29,500 lb (13 381.0kg) counterweight
- 32,500 lb (14 741.8kg) counterweight
- 39,500 lb (17 916.9kg) counterweight*

Low speed jobsite travel is offered for these optional counterweight configurations and a boom dolly or boom trailer may be required for on-highway travel.

* Overall width of the crane increases to 11 ft (3.4m) for this counterweight configuration

HTC-8690 Link-Belt Cranes





Link-Belt Cranes HTC-8690

20.500 lb

(9 298.6kg)

(10 659.4kg) 26,500 (12 020.2kg)

29.500 lb

(13 381.0kg)

(14 741.8kg) 39,500 (17 916.9kg) Χ

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Carrier

General

- 8 ft 6 in (2.6 m) wide
- 23 ft 10 in (7.26m) wheelbase (centerline of first axle to centerline of fourth axle)
- Frame Box-type, torsion resistant, welded construction made of high tensile steel. Equipped with front and rear towing and tie-down lugs, tow connections, and access ladders.

Outriggers

Boxes - Two double box, front and rear welded to the carrier frame

Beams and Jacks - Four dual stage beams with Confined Area Lifting Capacities (CALC) provide selectable outrigger extensions of full, intermediate, and retracted positions. Jacks with integral check valves, hydraulically controlled from the operator's cab and on both sides of carrier. A fifth front bumper outrigger with integral check valves is hydraulically controlled from the operator's cab and at the front bumper of carrier.

Pontoons – Four lightweight, stow'n go, 23.5" x 27.25" (59.7 x 69.2cm) hexagonal steel pontoons with a contact area of 485 in² (3 129cm²) can be stored for road travel in either the storage racks on the carrier or under the outrigger boxes.

Main Jack Reaction - 106,000 lb (48 080.8kg) force and 217 psi (1 496.2kPa) ground bearing pressure

Steering and Axles

- Sheppard full integral master gear/slave gear steering system provides hydraulic assisted steering with mechanical link between steering wheel and wheels
- Drive 8 x 4 for on/off-highway travel
- Axle 1 & 2 Tandem steered, non-driven
- Axle 3 & 4 Tandem non-steered, driven with reduction: 5.38 to 1
- Inter-Axle Differential Lock Traction adding device that locks axle 3 with axle 4. Operated by a switch from the carrier cab.

Suspension

Front - Raydan Air Link walking beam air suspension

Rear - Raydan Air Link walking beam air suspension

• Axle Lift System - Optional - Improves rear tire ground clearance when the crane is up on outriggers. The rear tandem axles are raised and lowered with a switch in the carrier cab. The axle lift system can be controlled with a switch on both sides of the carrier.

■ Tires and Wheels

Front - Four (single) 445/65R22.5 tires on aluminum disc wheels

Rear - Eight (dual) 12R22.5 tires on aluminum disc wheels

- Spare tires and wheels optional
- Tire inflation kit optional

Brakes

Service - Full air anti-lock (ABS) brakes on all wheel ends. Dual circuit compressed air system with air dryer.

Parking/Emergency - Spring loaded type, acting on 3rd and 4th axles automatically apply when air pressure drops below 40 psi (275.8kPa) in both circuits.

Electrical

Battery - Three batteries provide 12 volt starting and operation

Lights

- Front lighting includes two main headlights, two high beam lights, two parking/directional indicators, and three cab marker lights.
- Side lighting includes three parking/directional indicators per side.
- · Rear lighting includes two parking/directional indicators, two parking/brake lights, two reverse lights, three marker lights, and a license plate light.
- · Other equipment includes hazard/warning system, cab light, instrument panel light, and signal horn.
- One amber strobe beacon on top of the cab optional
- Daytime running lights optional

Engine

| Specification | Detroit Diesel Series 60 |
|--|--|
| Numbers of cylinders | 6 |
| Cycle | 4 |
| Bore and Stroke: inch (mm) | 5.12 x 6.30 (130x160) |
| Piston Displacement: in ³ (L) | 778 (12.7) |
| Max. Brake Horsepower: hp (kW) | 445 (<i>331.8</i>) @ 1,800 rpm 430 (<i>320.7</i>) @ 2,100 rpm |
| Peak Torque: ft lb (J) | 1,450 (1 966.1) @ 1,200 rpm |
| Alternator: volts – amps | 12 – 130 |
| Crankcase Capacity: qt (L) | 32 (<i>30.3</i>) |

- Cruise control
- Three-stage engine compression brake
- Thermostatically controlled, hydraulically driven radiator fan
- 120 volt engine block heater
- Ether injection system optional

Transmission

Automated - ZF AS-TRONIC (no clutch pedal) manual transmission with 12 forward gears and 2 reverse gears.

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Carrier Speeds and Gradeability

| ZF Astronic | | Governe | Gradeability (@ Peak Torque Except Creep @ Idle) | |
|----------------------------|----------------|----------------|--|---------|
| Gear | Ratio | mph | km/h | % Grade |
| 12th | 0.778 | 62.3 | 100.3 | 2.1 |
| 11th | 1.000 | 48.5 | 78.1 | 3.1 |
| 10th | 1.267 | 38.3 | 61.6 | 4.2 |
| 9th | 1.629 | 29.8 | 48.0 | 5.8 |
| 8th | 2.101 | 23.1 | 37.2 | 7.8 |
| 7th | 2.700 | 18.0 | 29.0 | 10.2 |
| 6th | 3.552 | 13.7 | 22.0 | 13.7 |
| 5th | 4.565 | 10.6 | 17.1 | 17.8 |
| 4th | 5.784 | 8.4 | 13.5 | 22.8 |
| 3rd | 7.435 | 6.5 | 10.5 | 29.5 |
| 2nd | 9.590 | 5.1 | 8.2 | 38.2 |
| 1st | 12.326 | 3.9 | 6.3 | 49.3 |
| Reverse (Low) | 11.413 | 4.3 | 6.9 | 45.6 |
| Reverse (High) | 8.880 | 5.5 | 8.9 | 35.3 |
| 1st @ 700 rpm | 12.326 | 1.3 | 2.1 | 20.9 |
| Rev. (Low) @ 700 rpm | 11.413 | 1.4 | 2.3 | 19.3 |
| Rev. (High) @ 700 rpm | 8.880 | 1.8 | 2.9 | 14.9 |
| Based on a gross vehicle w | voight of 95 C | 000 lb (42 001 | 1 2kg) | |

Based on a gross vehicle weight of 95,000 lb (43 091.3kg)

■ Fuel Tank

One 95 gal (359.6L) capacity tank

■ Hydraulic System

All functions are hydraulically powered allowing positive, precise control with independent or simultaneous operation of all functions.

Main Pumps

- Three fixed displacement gear pumps with automatic disconnect for the main and auxiliary winches, swing, boom hoist, control circuit, and telescope for use when pick & carry switch is in travel mode.
- One fixed displacement gear pump for steering and the front bumper outrigger
- Two fixed displacement gear pumps for engine cooling fan and main outriggers. These pumps also provide flow to the winches and boom hoist for "pick & carry" mode.
 Operated by a switch in the carrier cab.
- Combined pump capacity of 188 gpm (711.7Lpm)

Hydraulic Reservoir – 144 gal (*545.1L*) capacity equipped with sight level gauge. Diffusers built in for deaeration.

Filtration — One 10 micron, full flow, return line filter. All oil is filtered prior to return to reservoir. Accessible for easy filter replacement.

Pump Drive

All pumps are mechanically driven by the diesel engine. Main and auxiliary winches, swing, boom hoist, control circuit, and telescope pumps are mounted to an automatic pump disconnect on the rear of the transmission to aid in cold weather starting as well as to reduce pump wear while traveling.



Lower Cab and Controls

Environmental Cab - Fully enclosed, one person cab of composite structure with acoustical insulation. Equipped

- · Tinted and tempered glass windows
- Roll down left side window for ventilation
- Sliding rear and right side windows for ventilation
- · Windshield wiper and washer
- Six way adjustable and air suspended driver's seat with seat belt
- Two adjustable rear view mirrors
- Engine dependent warm-water heater with air ducts for windshield defroster and cab floor
- Adjustable sun visor
- Dome light
- 12 volt connection
- · Fire extinguisher

Air Conditioning - Optional - Integral with cab heating system utilizing the same ventilation outlets

Cab Instrumentation - Ergonomically positioned analog instrumentation for driving including:

- Speedometer with odometer, hourmeter, trip odometer, and clock
- Front and rear air pressure with warning indicator
- Engine coolant temperature with warning indicator
- Engine oil pressure with warning indicator
- Voltage indicator with warning indicator
- Fuel level
- Tachometer

Right Side Console - Controls and indicators for:

- Transmission gear shifting
- · Transmission digital readout
- Cruise controls
- · Engine compression brake controls

Dash Mounted Controls For:

- · Windshield wiper and washer
- Carrier lights
- Carrier/upper throttle control
- · Engine cooling fan override
- · Cab heater/air conditioning
- · Console dimmer switch
- · Engine diagnostic switch
- · Park brake
- · Engine ignition
- Pick & carry switch

Dash Mounted Indicator For:

- · Check and stop engine
- · Turn signal indication
- · Park brake
- · Cruise activation
- · High beam headlights
- Check anti-lock brake system

Foot Controls For:

- · Carrier service brakes
- · Engine throttle

Additional Equipment

Standard:

- · Aluminum full deck fenders with mud flaps
- · Left and right bubble levels
- Air hose connection ports
- · Clearance flags

Optional:

- Pneumatic and electrical quick disconnect connectors mounted on the rear for trailer or boom dolly brakes and liahts
- Left side aluminum storage box
- · Rear mounted pintle hook

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Axle Loads

| Base crane with full tank of fuel | | cle Weight) | Front | Axles | Rear Axles | | |
|---|--------|-----------------|--------|--------|------------|--------|--|
| and no counterweight | lb | kg | lb | kg | lb | kg | |
| | 79,206 | 35 927 | 34,938 | 15 848 | 44,268 | 20 080 | |
| Driver in carrier cab | 250 | 113 | 315 | 143 | -65 | -29 | |
| Rear pintle hook | 13 | 6 | -6 | -3 | 19 | 8 | |
| Pneumatic and electrical connectors for trailer or boom dolly | 11 | 5 | -4 | -2 | 15 | 7 | |
| Carrier aluminum storage box | 59 | 27 | 28 | 13 | 31 | 14 | |
| Air ride lift system – rear axles | 48 | 22 | 0 | 0 | 48 | 22 | |
| Ether injection | 13 | 6 | 12 | 5 | 1 | 1 | |
| Air conditioning - carrier | 45 | 20 | 55 | 25 | -10 | -4 | |
| Hoist drum follower - main | 69 | 31 | -35 | -16 | 104 | 47 | |
| Auxiliary winch with 600 ft (182.9m) of 3/4" (19mm) type "RB" rope | 731 | 332 | -239 | -108 | 970 | 440 | |
| Hoist drum follower – auxiliary | 69 | 31 | -21 | -10 | 90 | 41 | |
| Substitute 600 ft (182.9m) of rope with 730 ft (222.5m) of rope – auxiliary | 163 | 74 | -54 | -24 | 217 | 98 | |
| Remove 730 ft (222.5m) of rope from rear (main) winch | -931 | -422 | 373 | 169 | -1,304 | -591 | |
| Remove 600 ft (182.9m) of rope from front (auxiliary) winch | -768 | -348 | 252 | 114 | -1,020 | -463 | |
| Upper aluminum storage box | 42 | 19 | -4 | -2 | 46 | 21 | |
| Air conditioner – operator's cab | 220 | 100 | -7 | -3 | 227 | 103 | |
| 360° mechanical swing lock | 140 | 64 | 21 | 9 | 119 | 54 | |
| 2,500 lb (1 134.0kg) counterweight tray on upper | 2,544 | 1 154 | -1,255 | -569 | 3,799 | 1 723 | |
| 3,000 lb (1 360.8kg) counterweight on upper | 2,981 | 1 352 | -1,471 | -667 | 4,452 | 2 019 | |
| 6,000 lb (2 721.6kg) counterweight on upper | 6,000 | 2 722 | -2,961 | -1 343 | 8,961 | 4 065 | |
| 6,000 lb (2 721.6kg) counterweight on upper | 6,000 | 2 722 | -2,961 | -1 343 | 8,961 | 4 065 | |
| 12,000 lb (5 443.1kg) counterweight on upper | 12,050 | 5 466 | -5,947 | -2 697 | 17,997 | 8 163 | |
| 3,000 lb (1 360.8kg) top counterweight on upper | 3,009 | 1 365 | -1,485 | -674 | 4,494 | 2 038 | |
| Floodlight to the front of boom base section | 7 | 3 | 6 | 3 | 1 | 1 | |
| Fly mounting brackets to boom base section for fly options | 176 | 80 | 136 | 62 | 40 | 18 | |
| 35 ft (10.7m) offsettable, one-piece lattice fly - stowed | 1,591 | 722 | 1,539 | 698 | 52 | 24 | |
| 35-58 ft (10.7-17.7m) offsettable, two-piece (bi-fold) lattice fly - stowed | 2,263 | 1 026 | 1,886 | 855 | 377 | 171 | |
| Auxiliary lifting sheave | 110 | 50 | 200 | 91 | 90 | -41 | |
| 40 ton (36.3mt) 4-sheave hook block at front bumper | 900 | 408 | 1,570 | 712 | -670 | -304 | |
| 60 ton (54.4mt) 4-sheave hook block at front bumper | 1,109 | 503 | 1,935 | 878 | -826 | -375 | |
| 90 ton (81.6mt) 6-sheave hook block at front bumper | 1,554 | 705 | 2,711 | 1 230 | -1,157 | -525 | |
| 8.5 ton (7.7mt) hook ball at front bumper | 360 | 163 | 628 | 285 | -268 | -122 | |
| 10 ton (9.1mt) hook ball at front bumper | 580 | 263 | 1,012 | 459 | -432 | -196 | |

| Counterweight Load Transfer | Front | Axles | Rear Axles | | |
|--|--------|-------|------------|--------|--|
| Counterweight Load Transfer | lb | kg | lb | kg | |
| Transfer 2,500 lb (1 134.0kg) counterweight tray to carrier deck | 3,194 | 1 449 | -3,194 | -1 449 | |
| Transfer 3,000 lb (1 360.8kg) counterweight to carrier deck | 3,742 | 1 697 | -3,742 | -1 697 | |
| Transfer 6,000 lb (2 721.6kg) counterweight to carrier deck | 7,532 | 3 416 | -7,532 | -3 416 | |
| Transfer 6,000 lb (2 721.6kg) counterweight to carrier deck | 7,532 | 3 416 | -7,532 | -3 416 | |
| Transfer 12,000 lb (5 443.1kg) counterweight to carrier deck | 15,128 | 6 862 | -15,128 | -6 862 | |
| Transfer 3,000 lb (1 360.8kg) top counterweight to carrier deck | 3,778 | 1 714 | -3,778 | -1714 | |

| Axle | Maximum Load @ 65 mph (105km/h) |
|-------|--|
| Front | 46,400 lb (21 047kg) - aluminum disc wheels with 445/65R22.5 tires |
| Rear | 52,000 lb (23 587kg) – aluminum disc wheels with 12R22.5 tires |

 $^(^1)$ Adjust gross vehicle weight and axle loading according to component weight. All weights are $\pm 3\%$.

Axle Loads with 2-Axle or 3-Axle Boom Dolly

| Base crane with full tank of fuel | | Gross Vehicle Weight (¹) | | Front Axles | | Rear Axles | | Axles |
|---|--------|--|--------|-------------|--------|------------|--------|-------|
| and no counterweight | lb | kg | lb | kg | lb | kg | lb | kg |
| | 79,206 | 35 927 | 29,457 | 13 361 | 35,680 | 16 184 | 14,069 | 6 382 |
| Nelson 2-axle boom dolly | 6,000 | 2 722 | 0 | 0 | 0 | 0 | 6,000 | 2 722 |
| Nelson 3-axle boom dolly | 9,000 | 4 082 | 0 | 0 | 0 | 0 | 9,000 | 4 082 |
| Driver in carrier cab | 250 | 113 | 315 | 143 | -65 | -29 | 0 | 0 |
| Rear pintle hook | 13 | 6 | -6 | -3 | 19 | 8 | 0 | 0 |
| Pneumatic and electrical connectors for trailer or boom dolly | 11 | 5 | -4 | -2 | 15 | 7 | 0 | 0 |
| Carrier aluminum storage box | 59 | 27 | 28 | 13 | 31 | 14 | 0 | 0 |
| Air ride lift system - rear axles | 48 | 22 | 0 | 0 | 48 | 22 | 0 | 0 |
| Ether injection | 13 | 6 | 12 | 5 | 1 | 1 | 0 | 0 |
| Air conditioning - carrier | 45 | 20 | 55 | 25 | -10 | -4 | 0 | 0 |
| Hoist drum follower - main | 69 | 31 | 53 | 24 | 16 | 7 | 0 | 0 |
| Auxiliary winch with 600 ft (182.9m) of 3/4" (19mm) type "RB" rope | 731 | 332 | 435 | 197 | 296 | 134 | 0 | 0 |
| Hoist drum follower - auxiliary | 69 | 31 | 40 | 18 | 29 | 13 | 0 | 0 |
| Substitute 600 ft (182.9m) of rope with 730 ft (222.5m) of rope – auxiliary | 163 | 74 | 97 | 44 | 66 | 30 | 0 | 0 |
| Remove 730 ft (222.5m) of rope from rear (main) winch | -931 | -422 | -623 | -282 | -308 | -140 | 0 | 0 |
| Remove 600 ft (182.9m) of rope from front (auxiliary) winch | -768 | -348 | -458 | -208 | -310 | -140 | 0 | 0 |
| Upper aluminum storage box | 42 | 19 | 15 | 7 | 27 | 12 | 0 | 0 |
| Air conditioner – operator's cab | 220 | 100 | 66 | 30 | 154 | 70 | 0 | 0 |
| 360° mechanical swing lock | 140 | 64 | 17 | 8 | 123 | 56 | 0 | 0 |
| 2,500 lb (1 134.0kg) counterweight tray on carrier deck | 2,544 | 1 154 | 1,938 | 879 | 606 | 275 | 0 | 0 |
| 3,000 lb (1 360.8kg) counterweight on carrier deck | 2,981 | 1 352 | 2,271 | 1 030 | 710 | 322 | 0 | 0 |
| 6,000 lb (2 721.6kg) counterweight on carrier deck | 6,000 | 2 722 | 4,571 | 2 074 | 1,429 | 648 | 0 | 0 |
| 6,000 lb (2 721.6kg) counterweight on carrier deck | 6,000 | 2 722 | 4,571 | 2 074 | 1,429 | 648 | 0 | 0 |
| 12,000 lb (5 443.1kg) counterweight on carrier deck | 12,050 | 5 466 | 9,181 | 4 164 | 2,869 | 1 301 | 0 | 0 |
| 3,000 lb (<i>1 360.8kg</i>) top counterweight on upper | 3,009 | 1 365 | 2,293 | 1 040 | 716 | 325 | 0 | 0 |
| Flood light to the front of boom base section | 7 | 3 | 1 | 1 | 1 | 1 | 5 | 2 |
| Fly mounting brackets to boom base section for fly options | 176 | 80 | 30 | 14 | 30 | 14 | 116 | 53 |
| 35 ft (10.7m) offsettable, one-piece lattice fly - stowed | 1,591 | 722 | 168 | 76 | 170 | 77 | 1,253 | 568 |
| 35-58 ft (10.7-17.7m) offsettable, two-piece (bi-fold) lattice fly - stowed | 2,263 | 1 026 | 339 | 154 | 342 | 155 | 1,583 | 718 |
| Two 16 ft (4.9m) lattice inserts (stowed on 3-axle boom dolly) | 1,584 | 718 | 0 | 0 | 0 | 0 | 1,584 | 718 |
| Auxiliary lifting sheave | 110 | 50 | -19 | -9 | -19 | -9 | 149 | 67 |
| 40 ton (36.3mt) 4-sheave hook block at boom head | | 408 | -134 | -61 | -135 | -61 | 1,169 | 530 |
| 60 ton (54.4mt) 4-sheave hook block at boom head | 1,109 | 503 | -165 | -75 | -167 | -76 | 1,441 | 654 |
| 90 ton (<i>81.6mt</i>) 6-sheave hook block at boom head | 1,554 | 705 | -231 | - 105 | -233 | -106 | 2,019 | 916 |
| 8.5 ton (7.7mt) hook ball at boom head | 360 | 163 | -54 | -24 | -54 | -25 | 468 | 212 |
| 10 ton (9.1mt) hook ball at boom head | 580 | 263 | -87 | -39 | -87 | -39 | 754 | 342 |

| Counterweight Load Transfer | Front | Axles | Rear | Axles | Dolly Axles | |
|---|--------|--------|--------|--------|-------------|-------|
| Counterweight Load Transfer | | kg | lb | kg | lb | kg |
| Transfer 3,000 lb (1 360.8kg) counterweight to the boom dolly | -2,271 | -1 030 | -710 | -322 | 2,981 | 1 352 |
| Transfer 6,000 lb (2 721.6kg) counterweight to the boom dolly | -4,571 | -2 074 | -1,429 | -648 | 6,000 | 2 722 |
| Transfer 6,000 lb (2 721.6kg) counterweight to the boom dolly | -4,571 | -2 074 | -1,429 | -648 | 6,000 | 2 722 |
| Transfer 12,000 lb (5 443.1kg) counterweight to the boom dolly | -9,181 | -4 164 | -2,869 | -1 301 | 12,050 | 5 466 |
| Transfer 3,000 lb (1 360.8kg) top counterweight to the boom dolly | -2,293 | -1 040 | -716 | -325 | 3,009 | 1 365 |

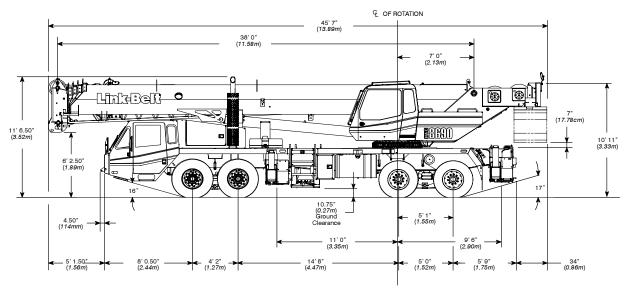
| Axle | Maximum Load @ 65 mph (105km/h) | | | |
|-------|--|--|--|--|
| Front | 46,400 lb (21 047kg) - aluminum disc wheels with 445/65R22.5 tires | | | |
| Rear | 52,000 lb (23 587kg) – aluminum disc wheels with 12R22.5 tires | | | |

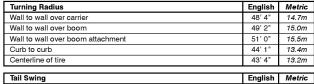
⁽¹⁾ Adjust gross vehicle weight and axle loading according to component weight. All weights are $\pm 3\%$.

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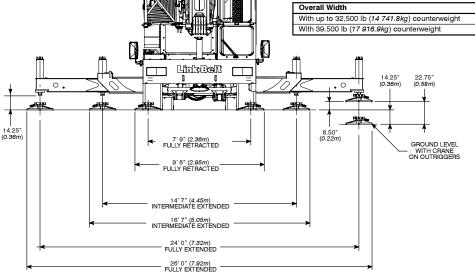


General Dimensions





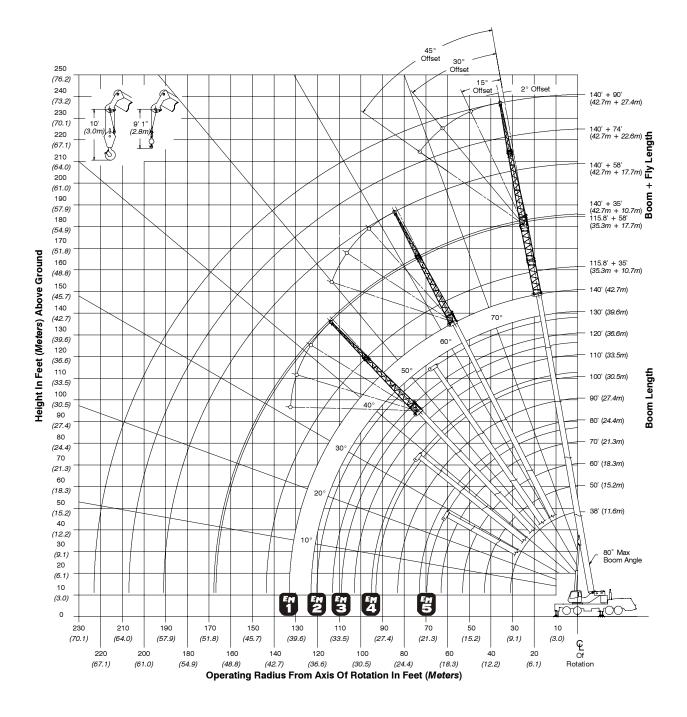




Not To Scale

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Working Range Diagram



HTC-8690 Link-Belt Cranes

Boom Extend Modes

| Boom | Length | | Section | Length | | |
|--------------|--------------|------------|---------|--------|-------------|--------------------------|
| ft | m | T4 | Т3 | T2 | T1 | |
| 50 | 15.2 | 50% | | | | 38 ft (11.6m) |
| 60 | 18.3 | 91% | | | | |
| 70 | 21.3 | 100% | 31% | | | Extend Base |
| 80 | 24.4 | 100% | 71% | | | |
| 90 | 27.4 | 100% | 100% | 11% | | 140 ft (42.7m) |
| 100 | 30.5 | 100% | 100% | 49% | | |
| 110 | 33.5 | 100% | 100% | 88% | | T4 T3 T2 T1 Base |
| 120 | 36.6 | 100% | 100% | 100% | 25% | |
| 130 | 39.6 | 100% | 100% | 100% | 63% | |
| 140 | 42.7 | 100% | 100% | 100% | 100% | |
| | Length | _ | | Length | | |
| ft | m | T4 | Т3 | T2 | T1 | Æ ★ 38 ft (11.6m) |
| 50 | 15.2 | 48% | 2% | | | 30 11 (77:0111) |
| 60 | 18.3 | 48% | 42% | | | Extend Base |
| 70 | 21.3 | 48% | 82% | 0.407 | | |
| 80 | 24.4 | 48% | 100% | 21% | | 127.3 ft (38.8m) |
| 90 | 27.4 | 48% | 100% | 60% | | |
| 100 | 30.5 | 48% | 100% | 98% | 050/ | T4 T3 T2 T1 Base |
| 110 | 33.5 | 48% | 100% | 100% | 35% | |
| 120 127.3 | 36.6 38.8 | 48% 48% | 100% | 100% | 73% 100% | |
| | Length | 40% | | Length | 100% | |
| ft | m | T4 | T3 | T2 | T1 | 38 ft (11.6m) |
| 50 | 15.2 | 0% | 48% | 12 | | 35 it (77.5iii) |
| 60 | 18.3 | 0% | 88% | | | Extend Base |
| 70 | 21.3 | 0% | 100% | 27% | | |
| 80 | 24.4 | 0% | 100% | 65% | | 115.8 ft (35.3m) |
| 90 | 27.4 | 0% | 100% | 100% | 4% | |
| 100 | 30.5 | 0% | 100% | 100% | 41% | T3 T2 T1 Base |
| 115.8 | 35.3 | 0% | 100% | 100% | 100% | |
| Boom | Length | | Section | Length | | 38 ft (11.6m) |
| ft | m | T4 | Т3 | T2 | T1 | |
| 50 | 15.2 | 48% | 2% | | | <u>Extend</u> Base |
| 60 | 18.3 | 48% | 42% | | | |
| 70 | 21.3 | 48% | 51% | 30% | | 102 ft (31.1m) |
| 80 | 24.4 | 48% | 51% | 50% | 18% | T1/T2/T2/T2/T4 |
| 90 | 27.4 | 48% | 51% | 50% | 55% | T4 T3 T2 T1 Base |
| 102 | 31.1 | 48% | 51% | 50% | 100% | |
| Boom | Length | | Section | Length | | 38 ft (11.6m) |
| ft | m | T4 | Т3 | T2 | T1 | Extend |
| 50.7 | 15.5 | 0% | 51% | | | 76.5 ft (23.3m) |
| 63.7 | 19.4 | 0% | 51% | 50% | | T3 T2 T1 Base |
| 76.5 | 23.3 | 0% | 51% | 50% | 48% | \cup |

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Main Boom Lift Capacity Charts - Standard

| | | | | | | | d In Pound | 15) | | | | |
|----------------|----------|----------|---------|--------|----------|-----------------|------------|--------|--------|--------|--------|----------------|
| Radius (ft) | 38 | 50 | 60 | 70 | 76.5/80 | om Length 90 | (π) 100 | 110 | 120 | 130 | 140 | Radius (ft) |
| 9 | 164,400* | 00 | 00 | 70 | 7 0.0/00 | 30 | 100 | 110 | 120 | 100 | 140 | 9 |
| 10 | 154,600* | 152,100* | 117,900 | 89,700 | | | | | | | | 10 |
| 12 | 129,300* | 131,300* | 108,800 | 85,000 | 85,100** | | | | | | | 12 |
| 15 | 102,500 | 104,600 | 104,900 | 78,800 | 78,400** | 57,700 | | | | | | 15 |
| 20 | 74,700 | 77,000 | 77,400 | 70,300 | 76,500** | 56,200 | 49,100 | 42,500 | | | | 20 |
| 25 | 54,700 | 57,900 | 59,400 | 60,100 | 59,700 | 55,300 | 45,800 | 42,500 | 33,700 | 29,700 | | 25 |
| 30 | 39,600 | 43,300 | 44,400 | 44,600 | 44,300 | 43,800 | 43,200 | 38,300 | 31,200 | 29,400 | 24,400 | 30 |
| 35 | | 33,100 | 34,100 | 34,900 | 34,100 | 35,000 | 33,500 | 34,500 | 30,900 | 29,100 | 24,100 | 35 |
| 40 | | 26,100 | 27,200 | 27,900 | 28,100 | 28,000 | 28,000 | 27,500 | 28,100 | 26,900 | 24,000 | 40 |
| 45 | | | 22,800 | 23,500 | 23,900 | 23,300 | 24,000 | 23,800 | 23,500 | 23,100 | 22,700 | 45 |
| 50 | | | 18,900 | 19,600 | 20,000 | 20,200 | 20,100 | 19,900 | 19,600 | 19,100 | 18,800 | 50 |
| 55 | | | | 16,500 | 16,900 | 17,100 | 16,900 | 16,800 | 16,400 | 16,000 | 15,700 | 55 |
| 60 | | | | 14,000 | 14,400 | 14,600 | 14,500 | 14,300 | 14,000 | 13,600 | 13,200 | 60 |
| 65 | | | | | 12,500 | 12,700 | 12,500 | 12,400 | 12,100 | 11,700 | 11,400 | 65 |
| 70 | | | | | 10,800 | 11,000 | 10,900 | 10,800 | 10,400 | 10,100 | 9,700 | 70 |
| 75 | | | | | | 9,600 | 9,500 | 9,400 | 9,100 | 8,700 | 8,400 | 75 |
| 80 | | | | | | 8,400 | 8,300 | 8,200 | 7,900 | 7,500 | 7,200 | 80 |
| 85 | | | | | | | 7,300 | 7,200 | 6,800 | 6,500 | 6,200 | 85 |
| 90 | | | | | | | 6,300 | 6,300 | 6,000 | 5,600 | 5,300 | 90 |
| 95 | | | | | | | | 5,500 | 5,200 | 4,800 | 4,500 | 95 |
| 100 | | | | | | | | 4,800 | 4,500 | 4,100 | 3,800 | 100 |
| 105 | | | | | | | | | 3,900 | 3,500 | 3,200 | 105 |
| 110 | | | | | | | | | 3,300 | 3,000 | 2,700 | 110 |
| 115 | | | | | | | | | | 2,500 | 2,200 | 115 |
| 120 | | | | | | | | | | 2,000 | 1,700 | 120 |
| 125 | | | | | | | | | | | 1,300 | 125 |
| 130 | | | | | | | | | | | 900 | 130 |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

| | 8,500 lb | Counterwei | ght – On Tir (All Capac | es – Station ities Are Listed | ary – Boom In Pounds) | Centered O | ver Rear | |
|--------|----------|------------|----------------------------|----------------------------------|--------------------------|------------|----------|--------|
| Radius | | | | Boom Length (f | t) | | | Radius |
| (ft) | 38 | 50 | 60 | 70 | 80 | 90 | 100 | (ft) |
| 10 | 32,200 | | | | | | | 10 |
| 12 | 29,000 | 30,400 | | | | | | 12 |
| 15 | 25,000 | 26,500 | 22,300 | | | | | 15 |
| 20 | 19,700 | 21,400 | 22,300 | 17,700 | | | | 20 |
| 25 | 13,100 | 15,700 | 17,100 | 17,700 | 13,600 | | | 25 |
| 30 | 8,800 | 11,400 | 12,700 | 13,300 | 13,600 | 10,800 | 8,900 | 30 |
| 35 | | 8,400 | 9,600 | 10,200 | 10,600 | 10,800 | 8,900 | 35 |
| 40 | | 6,100 | 7,400 | 8,000 | 8,400 | 8,600 | 8,500 | 40 |
| 45 | | | 5,600 | 6,200 | 6,600 | 6,800 | 6,800 | 45 |
| 50 | | | 4,300 | 4,900 | 5,200 | 5,400 | 5,400 | 50 |
| 55 | | | | 3,800 | 4,100 | 4,300 | 4,300 | 55 |
| 60 | | | | 2,900 | 3,200 | 3,400 | 3,400 | 60 |
| 65 | | | | | 2,400 | 2,600 | 2,600 | 65 |
| 70 | | | | | 1,800 | 2,000 | 1,900 | 70 |
| 75 | | | | | | 1,400 | 1,400 | 75 |
| 80 | | | | | | 900 | 900 | 80 |

| 8 | ,500 lb Coun | terweight - | | Pick & Carry | | Boom Center | red Over Rea | ar |
|--------|--------------|-------------|--------|-----------------|--------|-------------|--------------|--------|
| Radius | | | | Boom Length (ft |) | | | Radius |
| (ft) | 38 | 50 | 60 | 70 | 80 | 90 | 100 | (ft) |
| 10 | 22,200 | | | | | | | 10 |
| 12 | 19,800 | 21,100 | | | | | | 12 |
| 15 | 16,600 | 18,100 | 18,900 | | | | | 15 |
| 20 | 12,500 | 14,200 | 15,100 | 15,500 | | | | 20 |
| 25 | 9,300 | 11,200 | 12,200 | 12,600 | 12,800 | | | 25 |
| 30 | 6,800 | 8,800 | 9,800 | 10,300 | 10,600 | 10,800 | 8,900 | 30 |
| 35 | | 6,900 | 7,900 | 8,400 | 8,800 | 8,900 | 8,900 | 35 |
| 40 | | 5,300 | 6,400 | 6,900 | 7,200 | 7,400 | 7,400 | 40 |
| 45 | | | 5,100 | 5,600 | 6,000 | 6,100 | 6,100 | 45 |
| 50 | | | 3,900 | 4,500 | 4,900 | 5,100 | 5,000 | 50 |
| 55 | | | | 3,600 | 3,900 | 4,100 | 4,100 | 55 |
| 60 | | | | 2,700 | 3,100 | 3,300 | 3,300 | 60 |
| 65 | | | | | 2,400 | 2,600 | 2,500 | 65 |
| 70 | | | | | 1,800 | 2,000 | 1,900 | 70 |
| 75 | | | | | | 1,400 | 1,400 | 75 |
| 80 | | | | | | 900 | 900 | 80 |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

| 11,500 lb Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Pounds) | | | | | | | | | | | | |
|--|----------|----------|---------|--------|----------|-----------|--------|--------|--------|--------|--------|--------|
| Radius | | | | | Вос | om Length | (ft) | | | | | Radius |
| (ft) | 38 | 50 | 60 | 70 | 76.5/80 | 90 | 100 | 110 | 120 | 130 | 140 | (ft) |
| 9 | 165,000* | | | | | | | | | | | 9 |
| 10 | 155,400* | 152,100* | 117,900 | 89,700 | | | | | | | | 10 |
| 12 | 131,900* | 133,900* | 108,800 | 85,000 | 85,100** | | | | | | | 12 |
| 15 | 104,600 | 106,700 | 106,500 | 78,800 | 78,400** | 57,700 | | | | | | 15 |
| 20 | 76,400 | 78,600 | 79,000 | 70,300 | 76,500** | 56,200 | 49,100 | 42,500 | | | | 20 |
| 25 | 57,800 | 61,000 | 61,500 | 63,000 | 62,700 | 55,300 | 45,800 | 42,500 | 33,700 | 29,700 | | 25 |
| 30 | 42,300 | 46,000 | 47,100 | 47,300 | 47,000 | 46,500 | 45,200 | 38,300 | 31,200 | 29,400 | 24,400 | 30 |
| 35 | | 35,300 | 36,300 | 36,500 | 36,300 | 36,200 | 35,700 | 35,100 | 30,900 | 29,100 | 24,100 | 35 |
| 40 | | 27,900 | 29,000 | 29,700 | 29,900 | 29,900 | 29,800 | 29,300 | 28,800 | 28,700 | 24,000 | 40 |
| 45 | | | 23,900 | 24,500 | 25,100 | 24,700 | 24,900 | 25,400 | 25,000 | 24,600 | 23,800 | 45 |
| 50 | | | 20,300 | 21,100 | 21,500 | 21,400 | 21,500 | 21,400 | 21,000 | 20,600 | 20,300 | 50 |
| 55 | | | | 17,900 | 18,300 | 18,500 | 18,400 | 18,200 | 17,900 | 17,500 | 17,100 | 55 |
| 60 | | | | 15,300 | 15,700 | 15,900 | 15,700 | 15,600 | 15,300 | 14,900 | 14,500 | 60 |
| 65 | | | | | 13,600 | 13,700 | 13,600 | 13,500 | 13,100 | 12,700 | 12,500 | 65 |
| 70 | | | | | 11,800 | 12,100 | 11,900 | 11,800 | 11,500 | 11,100 | 10,800 | 70 |
| 75 | | | | | | 10,600 | 10,500 | 10,400 | 10,000 | 9,700 | 9,300 | 75 |
| 80 | | | | | | 9,300 | 9,200 | 9,100 | 8,800 | 8,400 | 8,100 | 80 |
| 85 | | | | | | | 8,100 | 8,000 | 7,700 | 7,300 | 7,000 | 85 |
| 90 | | | | | | | 7,100 | 7,100 | 6,700 | 6,400 | 6,100 | 90 |
| 95 | | | | | | | | 6,200 | 5,900 | 5,600 | 5,200 | 95 |
| 100 | | | | | | | | 5,500 | 5,200 | 4,800 | 4,500 | 100 |
| 105 | | | | | | | | | 4,500 | 4,200 | 3,900 | 105 |
| 110 | | | | | | | | | 3,900 | 3,600 | 3,300 | 110 |
| 115 | | | | | | | | | | 3,100 | 2,800 | 115 |
| 120 | | | | | | | | | | 2,600 | 2,300 | 120 |
| 125 | | | | | | | | | | | 1,800 | 125 |
| 130 | | | | | | | | | | | 1,400 | 130 |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

^{* 76.5} EM5 mode

5460 (supersedes 5424)-0506-N3

65

70

75

80

11,500 lb Counterweight - On Tires - Stationary - Boom Centered Over Rear (All Capacities Are Listed In Pounds) Boom Length (ft) Radius Radius (ft) (ft) 50 38 60 70 80 90 100 31,600 10 10 12 28,500 29,900 12 15 24,600 26,100 21,900 15 20 19,400 21,100 21,900 18,600 20 14,600 17,200 18,600 14,800 25 25 18,100 30 10,000 12,600 13,800 14,400 14,800 9,400 30 11,800 9,400 10,600 11,200 11,600 11,800 35 9,400 35 9,200 7,000 8,200 8,800 40 40 9,400 9,400 7,000 45 6,400 7,400 7,600 7,500 45 5,000 5,600 5,900 6,100 50 50 6,100 55 4,400 4,800 4,900 4,900 55 60 3,400 3,800 4,000 3,900 60

3,000

2,300

3,200

2,500

1,900

1,400

3,100

2,400

1,800

1,300

65

70

75

80

| 1 | 1,500 lb Cou | nterweight - | | Pick & Carr | | Boom Cente | red Over Re | ar |
|--------|--------------|--------------|--------|----------------|--------|------------|-------------|--------|
| Radius | | | | Boom Length (f |) | | | Radius |
| (ft) | 38 | 50 | 60 | 70 | 80 | 90 | 100 | (ft) |
| 10 | 21,600 | | | | | | | 10 |
| 12 | 19,300 | 20,600 | | | | | | 12 |
| 15 | 16,200 | 17,700 | 18,400 | | | | | 15 |
| 20 | 12,100 | 13,800 | 14,700 | 15,100 | | | | 20 |
| 25 | 9,000 | 10,900 | 11,800 | 12,300 | 12,600 | | | 25 |
| 30 | 6,500 | 8,500 | 9,500 | 10,000 | 10,300 | 10,500 | 8,600 | 30 |
| 35 | | 6,600 | 7,700 | 8,200 | 8,500 | 8,700 | 8,600 | 35 |
| 40 | | 5,000 | 6,100 | 6,700 | 7,000 | 7,200 | 7,100 | 40 |
| 45 | | | 4,800 | 5,400 | 5,700 | 5,900 | 5,900 | 45 |
| 50 | | | 3,700 | 4,300 | 4,700 | 4,800 | 4,800 | 50 |
| 55 | | | | 3,400 | 3,700 | 3,900 | 3,900 | 55 |
| 60 | | | | 2,600 | 2,900 | 3,100 | 3,100 | 60 |
| 65 | | | | | 2,200 | 2,400 | 2,400 | 65 |
| 70 | | | | | 1,600 | 1,800 | 1,800 | 70 |
| 75 | | | | | | 1,300 | 1,200 | 75 |
| 80 | | | | | | 800 | 700 | 80 |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

5460 (supersedes 5424) - 0506 - N3

Main Boom Lift Capacity Charts - Optional

| Dadius | | | | <u>`</u> | Box | om Length | /ft\ | | | | | Radius |
|----------------|----------|----------|---------|----------|----------|-----------|--------|--------|--------|--------|--------|--------|
| Radius (ft) | 38 | 50 | 60 | 70 | 76.5/80 | 90 | 100 | 110 | 120 | 130 | 140 | (ft) |
| 8 | 180,000* | | | | | | | | | | | 8 |
| 9 | 167,100* | | | | | | | | | | | 9 |
| 10 | 158,300* | 152,100* | 117,900 | 89,700 | | | | | | | | 10 |
| 12 | 142,700* | 138,700* | 108,800 | 85,000 | 85,100** | | | | | | | 12 |
| 15 | 119,300 | 121,400 | 106,500 | 78,800 | 78,400** | 57,700 | | | | | | 15 |
| 20 | 87,600 | 89,800 | 90,200 | 70,300 | 76,500** | 56,200 | 49,100 | 42,500 | | | | 20 |
| 25 | 68,000 | 70,300 | 70,800 | 63,600 | 70,300** | 55,300 | 45,800 | 42,500 | 33,700 | 29,700 | | 25 |
| 30 | 54,700 | 57,100 | 57,600 | 58,100 | 58,700 | 54,500 | 45,200 | 38,300 | 31,200 | 29,400 | 24,400 | 30 |
| 35 | | 47,500 | 49,100 | 49,400 | 49,200 | 48,800 | 42,500 | 35,500 | 30,900 | 29,100 | 24,100 | 35 |
| 40 | | 40,500 | 41,600 | 41,800 | 41,600 | 41,100 | 38,200 | 33,400 | 30,600 | 28,800 | 24,000 | 40 |
| 45 | | | 34,600 | 34,900 | 34,600 | 34,200 | 33,700 | 30,300 | 29,900 | 28,600 | 23,800 | 45 |
| 50 | | | 29,300 | 29,600 | 29,400 | 28,900 | 28,800 | 27,900 | 27,800 | 26,800 | 23,700 | 50 |
| 55 | | | | 25,500 | 25,300 | 26,000 | 24,800 | 24,700 | 25,300 | 24,800 | 23,600 | 55 |
| 60 | | | | 22,500 | 22,400 | 22,800 | 21,500 | 22,300 | 22,000 | 21,900 | 22,100 | 60 |
| 65 | | | | | 20,000 | 20,100 | 20,000 | 19,600 | 19,300 | 20,000 | 19,600 | 65 |
| 70 | | | | | 17,700 | 17,800 | 17,800 | 17,700 | 18,100 | 17,700 | 17,400 | 70 |
| 75 | | | | | | 15,800 | 16,500 | 16,500 | 16,200 | 15,800 | 15,500 | 75 |
| 80 | | | | | | 14,200 | 14,900 | 14,800 | 14,500 | 14,100 | 13,800 | 80 |
| 85 | | | | | | | 13,500 | 13,400 | 13,100 | 12,700 | 12,500 | 85 |
| 90 | | | | | | | 12,200 | 12,200 | 11,900 | 11,600 | 11,300 | 90 |
| 95 | | | | | | | | 11,100 | 10,800 | 10,500 | 10,200 | 95 |
| 100 | | | | | | | | 10,100 | 9,800 | 9,500 | 9,200 | 100 |
| 105 | | | | | | | | | 8,900 | 8,600 | 8,300 | 105 |
| 110 | | | | | | | | | 8,100 | 7,800 | 7,500 | 110 |
| 115 | | | | | | | | | | 7,100 | 6,800 | 115 |
| 120 | | | | | | | | | | 6,400 | 6,100 | 120 |
| 125 | | | | | | | | | | | 5,500 | 125 |
| 130 | | | | | | | | | | | 5,000 | 130 |

76.5 EM5 mode

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.



| | 32,500 lk | Counterwe | | res – Statioi ities Are Listed | | n Centered C | ver Rear | |
|--------|-----------|-----------|--------|-----------------------------------|--------|--------------|----------|--------|
| Radius | | | | Boom Length (f | t) | | | Radius |
| (ft) | 38 | 50 | 60 | 70 | 80 | 90 | 100 | (ft) |
| 10 | 28,300 | | | | | | | 10 |
| 12 | 25,400 | 26,900 | | | | | | 12 |
| 15 | 21,800 | 23,400 | 24,300 | | | | | 15 |
| 20 | 16,700 | 18,000 | 19,300 | 20,100 | | | | 20 |
| 25 | 13,000 | 14,900 | 15,700 | 16,100 | 16,300 | | | 25 |
| 30 | 10,100 | 12,100 | 13,100 | 13,500 | 13,800 | 13,900 | 13,800 | 30 |
| 35 | | 9,900 | 10,900 | 11,400 | 11,800 | 11,900 | 11,800 | 35 |
| 40 | | 8,000 | 9,100 | 9,600 | 10,000 | 10,100 | 10,100 | 40 |
| 45 | | | 7,600 | 8,100 | 8,500 | 8,700 | 8,600 | 45 |
| 50 | | | 6,300 | 6,900 | 7,200 | 7,400 | 7,300 | 50 |
| 55 | | | | 5,700 | 6,100 | 6,300 | 6,200 | 55 |
| 60 | | | | 4,800 | 5,200 | 5,300 | 5,300 | 60 |
| 65 | | | | | 4,300 | 4,500 | 4,500 | 65 |
| 70 | | | | | 3,600 | 3,800 | 3,700 | 70 |
| 75 | | | | | | 3,100 | 3,100 | 75 |
| 80 | | | | | | 2,500 | 2,500 | 80 |
| 85 | | | | | | | 1,900 | 85 |
| 90 | | | | | | | 1,500 | 90 |

| 32 | 2,500 lb Cou | nterweight - | On Tires – (All Capac | Pick & Carry | / (1 mph) - In Pounds) | Boom Cente | red Over Re | ar |
|--------|--------------|--------------|--------------------------|-----------------|-------------------------------|------------|-------------|--------|
| Radius | | | | Boom Length (ft |) | | | Radius |
| (ft) | 38 | 50 | 60 | 70 | 80 | 90 | 100 | (ft) |
| 10 | 18,200 | | | | | | | 10 |
| 12 | 16,000 | 17,500 | | | | | | 12 |
| 15 | 13,200 | 14,800 | 15,600 | | | | | 15 |
| 20 | 9,500 | 11,300 | 12,200 | 12,700 | | | | 20 |
| 25 | 6,700 | 8,600 | 9,600 | 10,000 | 10,400 | | | 25 |
| 30 | 4,400 | 6,500 | 7,500 | 8,000 | 8,300 | 8,500 | 8,500 | 30 |
| 35 | | 4,700 | 5,800 | 6,300 | 6,700 | 6,900 | 6,800 | 35 |
| 40 | | 3,300 | 4,400 | 5,000 | 5,300 | 5,500 | 5,500 | 40 |
| 45 | | | 3,300 | 3,900 | 4,200 | 4,400 | 4,400 | 45 |
| 50 | | | 2,300 | 2,800 | 3,200 | 3,400 | 3,300 | 50 |
| 55 | | | | 2,000 | 2,400 | 2,600 | 2,500 | 55 |
| 60 | | | | 1,300 | 1,700 | 1,900 | 1,800 | 60 |
| 65 | | | | | 1,100 | 1,200 | 1,200 | 65 |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

| 39,500 lb Counterweight - Fully Extended Outriggers - 360° Rotation (All Capacities Are Listed In Pounds) | | | | | | | | | | | | |
|---|----------|----------|---------|--------|----------|-----------|--------|--------|--------|--------|--------|--------|
| Radius | | | | | Вос | om Length | (ft) | | | | | Radius |
| (ft) | 38 | 50 | 60 | 70 | 76.5/80 | 90 | 100 | 110 | 120 | 130 | 140 | (ft) |
| 8 | 180,000* | | | | | | | | | | | 8 |
| 9 | 167,600* | | | | | | | | | | | 9 |
| 10 | 158,800* | 152,100* | 117,900 | 89,700 | | | | | | | | 10 |
| 12 | 143,600* | 138,700* | 108,800 | 85,000 | 85,100** | | | | | | | 12 |
| 15 | 123,700 | 122,600 | 106,500 | 78,800 | 78,400** | 57,700 | | | | | | 15 |
| 20 | 91,300 | 93,500 | 93,800 | 70,300 | 76,500** | 56,200 | 49,100 | 42,500 | | | | 20 |
| 25 | 71,000 | 73,300 | 73,800 | 63,600 | 73,300** | 55,300 | 45,800 | 42,500 | 33,700 | 29,700 | | 25 |
| 30 | 57,200 | 59,600 | 60,100 | 58,100 | 61,100 | 54,500 | 45,200 | 38,300 | 31,200 | 29,400 | 24,400 | 30 |
| 35 | | 49,700 | 50,300 | 51,400 | 51,200 | 50,900 | 42,500 | 35,500 | 30,900 | 29,100 | 24,100 | 35 |
| 40 | | 42,200 | 43,700 | 44,000 | 43,800 | 43,400 | 38,200 | 33,400 | 30,600 | 28,800 | 24,000 | 40 |
| 45 | | | 37,900 | 38,200 | 38,100 | 37,700 | 34,600 | 30,300 | 29,900 | 28,600 | 23,800 | 45 |
| 50 | | | 32,400 | 32,700 | 32,500 | 32,000 | 31,500 | 27,900 | 27,800 | 26,800 | 23,700 | 50 |
| 55 | | | | 28,200 | 28,000 | 27,600 | 27,300 | 25,600 | 25,800 | 24,800 | 23,600 | 55 |
| 60 | | | | 24,600 | 24,500 | 24,100 | 24,100 | 23,600 | 24,200 | 23,000 | 22,100 | 60 |
| 65 | | | | | 21,500 | 22,300 | 21,100 | 21,400 | 21,600 | 21,300 | 20,600 | 65 |
| 70 | | | | | 19,700 | 19,900 | 18,700 | 19,500 | 19,100 | 19,200 | 19,200 | 70 |
| 75 | | | | | | 17,700 | 17,500 | 17,400 | 17,000 | 17,700 | 17,400 | 75 |
| 80 | | | | | | 16,000 | 16,000 | 15,600 | 15,900 | 15,900 | 15,600 | 80 |
| 85 | | | | | | | 14,600 | 14,600 | 14,800 | 14,400 | 14,100 | 85 |
| 90 | | | | | | | 13,800 | 13,700 | 13,400 | 13,000 | 12,700 | 90 |
| 95 | | | | | | | | 12,500 | 12,300 | 11,900 | 11,600 | 95 |
| 100 | | | | | | | | 11,500 | 11,200 | 10,900 | 10,600 | 100 |
| 105 | | | | | | | | | 10,200 | 9,900 | 9,600 | 105 |
| 110 | | | | | | | | | 9,400 | 9,000 | 8,800 | 110 |
| 115 | | | | | | | | | | 8,300 | 8,000 | 115 |
| 120 | | | | | | | | | | 7,500 | 7,300 | 120 |
| 125 | | | | | | | | | | | 6,600 | 125 |
| 130 | | | | | | | | | | | 6,000 | 130 |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.



Fly Attachment Lift Capacity Charts - Optional

| | 8,500 lb Counter | weight – Fully Ext (All Capacities Are | ended Outriggers Listed In Pounds) | - 360° Rotation | |
|--------|---------------------------------------|---|---------------------------------------|--|-----------|
| 14 | 40 ft Main Boom Leng 2° Fly Offset | - | | 10 ft Main Boom Leng 15° Fly Offset | th |
| Radius | Fly Ler | igth (ft) | Radius | Fly Ler | igth (ft) |
| (ft) | 35 | 58 | (ft) | 35 | 58 |
| 35 | 12,100 | | 35 | | |
| 40 | 12,100 | | 40 | | |
| 45 | 12,100 | 8,500 | 45 | 11,500 | |
| 50 | 12,100 | 8,400 | 50 | 11,400 | |
| 55 | 12,100 | 8,300 | 55 | 11,200 | |
| 60 | 12,100 | 8,100 | 60 | 11,000 | 7,200 |
| 65 | 11,900 | 8,000 | 65 | 10,800 | 7,000 |
| 70 | 10,400 | 7,800 | 70 | 10,600 | 6,800 |
| 75 | 9,000 | 7,700 | 75 | 9,700 | 6,700 |
| 80 | 7,800 | 7,500 | 80 | 8,500 | 6,500 |
| 85 | 6,800 | 7,300 | 85 | 7,400 | 6,300 |
| 90 | 5,900 | 6,400 | 90 | 6,400 | 6,200 |
| 95 | 5,100 | 5,600 | 95 | 5,600 | 6,000 |
| 100 | 4,400 | 4,900 | 100 | 4,800 | 5,600 |
| 105 | 3,700 | 4,200 | 105 | 4,200 | 4,900 |
| 110 | 3,200 | 3,600 | 110 | 3,600 | 4,300 |
| 115 | 2,700 | 3,100 | 115 | 3,000 | 3,700 |
| 120 | 2,200 | 2,600 | 120 | 2,500 | 3,200 |
| 125 | 1,800 | 2,200 | 125 | 2,100 | 2,700 |
| 130 | 1,400 | 1,800 | 130 | 1,700 | 2,300 |
| 135 | 1,100 | 1,500 | 135 | 1,300 | 1,900 |
| 140 | | | 140 | 900 | 1,500 |
| 145 | | | 145 | | 1,200 |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.



| | 8,500 lb Counter | weight – Fully Ext | ended Outriggers Listed In Pounds) | s – 360° Rotation | |
|--------|--|--------------------|---------------------------------------|--|-----------|
| 1 | 40 ft Main Boom Leng 30° Fly Offset | th | 1 | 40 ft Main Boom Leng 45° Fly Offset | gth |
| Radius | Fly Ler | ngth (ft) | Radius | Fly Ler | ngth (ft) |
| (ft) | 35 | 58 | (ft) | 35 | 58 |
| 35 | | | 35 | | |
| 40 | | | 40 | | |
| 45 | | | 45 | | |
| 50 | | | 50 | | |
| 55 | 10,000 | | 55 | | |
| 60 | 9,800 | | 60 | | |
| 65 | 9,700 | | 65 | 8,800 | |
| 70 | 9,500 | | 70 | 8,800 | |
| 75 | 9,400 | 5,700 | 75 | 8,700 | |
| 80 | 9,100 | 5,600 | 80 | 8,600 | |
| 85 | 8,000 | 5,500 | 85 | 8,400 | 4,900 |
| 90 | 7,000 | 5,400 | 90 | 7,400 | 4,900 |
| 95 | 6,100 | 5,300 | 95 | 6,400 | 4,800 |
| 100 | 5,300 | 5,200 | 100 | 5,600 | 4,800 |
| 105 | 4,600 | 5,100 | 105 | 4,800 | 4,700 |
| 110 | 3,900 | 4,900 | 110 | 4,200 | 4,700 |
| 115 | 3,300 | 4,300 | 115 | 3,500 | 4,700 |
| 120 | 2,800 | 3,700 | 120 | 3,000 | 4,100 |
| 125 | 2,300 | 3,200 | 125 | 2,500 | 3,600 |
| 130 | 1,900 | 2,700 | 130 | 2,000 | 3,100 |
| 135 | 1,500 | 2,300 | 135 | 1,500 | 2,600 |
| 140 | 1,100 | 1,900 | 140 | | 2,100 |
| 145 | | 1,500 | 145 | | 1,700 |
| 150 | | 1,200 | 150 | | 1,300 |
| 155 | | | 155 | | 1,000 |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.



| | 11,500 I | | ght – Fully Ex I Capacities Are | | ggers – 360° F _{Ids)} | Rotation | |
|--------|-------------------------|-----------------------|------------------------------------|--------|-----------------------------------|-----------------------|-------|
| | 140 ft Main E 2° Fly | Boom Length Offset | | | | Boom Length Offset | |
| Radius | | Fly Length (ft) | | Radius | | Fly Length (ft) | |
| (ft) | 35 | 58 | 74 | (ft) | 35 | 58 | 74 |
| 35 | 12,100 | | | 35 | | | |
| 40 | 12,100 | | | 40 | | | |
| 45 | 12,100 | 8,500 | | 45 | 11,500 | | |
| 50 | 12,100 | 8,400 | 6,600 | 50 | 11,400 | | |
| 55 | 12,100 | 8,300 | 6,600 | 55 | 11,200 | | |
| 60 | 12,100 | 8,100 | 6,600 | 60 | 11,000 | 7,200 | |
| 65 | 11,900 | 8,000 | 6,600 | 65 | 10,800 | 7,000 | 6,300 |
| 70 | 11,500 | 7,800 | 6,600 | 70 | 10,600 | 6,800 | 6,000 |
| 75 | 10,000 | 7,700 | 6,600 | 75 | 10,400 | 6,700 | 5,700 |
| 80 | 8,700 | 7,500 | 6,400 | 80 | 9,400 | 6,500 | 5,400 |
| 85 | 7,600 | 7,300 | 6,000 | 85 | 8,200 | 6,300 | 5,100 |
| 90 | 6,700 | 7,100 | 5,700 | 90 | 7,200 | 6,200 | 4,900 |
| 95 | 5,800 | 6,300 | 5,400 | 95 | 6,300 | 6,000 | 4,600 |
| 100 | 5,100 | 5,500 | 5,100 | 100 | 5,500 | 5,900 | 4,400 |
| 105 | 4,400 | 4,900 | 4,800 | 105 | 4,800 | 5,600 | 4,200 |
| 110 | 3,800 | 4,300 | 4,200 | 110 | 4,200 | 4,900 | 4,100 |
| 115 | 3,300 | 3,700 | 3,600 | 115 | 3,600 | 4,300 | 3,900 |
| 120 | 2,800 | 3,200 | 3,100 | 120 | 3,100 | 3,800 | 3,600 |
| 125 | 2,300 | 2,800 | 2,700 | 125 | 2,600 | 3,300 | 3,100 |
| 130 | 1,900 | 2,300 | 2,200 | 130 | 2,200 | 2,800 | 2,700 |
| 135 | 1,600 | 2,000 | 1,900 | 135 | 1,800 | 2,400 | 2,300 |
| 140 | 1,200 | 1,600 | 1,500 | 140 | 1,400 | 2,000 | 1,900 |
| 145 | 900 | 1,300 | 1,200 | 145 | 1,100 | 1,700 | 1,500 |
| | | | | 150 | | 1,300 | 1,200 |
| | | | | 155 | | 1,000 | |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.



5460 (supersedes 5424) - 0506 - N3

| | 11,500 lb Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Pounds) | | | | | | | | | | | | |
|--------|--|-----------------------|-------|--------|--------------------------|-----------------------|-------|--|--|--|--|--|--|
| | | Boom Length Offset | | | 140 ft Main E 45° Fly | Boom Length Offset | | | | | | | |
| Radius | | Fly Length (ft) | | Radius | | Fly Length (ft) | | | | | | | |
| (ft) | 35 | 58 | 74 | (ft) | 35 | 58 | 74 | | | | | | |
| 35 | | | | 35 | | | | | | | | | |
| 40 | | | | 40 | | | | | | | | | |
| 45 | | | | 45 | | | | | | | | | |
| 50 | | | | 50 | | | | | | | | | |
| 55 | 10,000 | | | 55 | | | | | | | | | |
| 60 | 9,800 | | | 60 | | | | | | | | | |
| 65 | 9,700 | | | 65 | 8,800 | | | | | | | | |
| 70 | 9,500 | | | 70 | 8,800 | | | | | | | | |
| 75 | 9,400 | 5,700 | 4,600 | 75 | 8,700 | | | | | | | | |
| 80 | 9,200 | 5,600 | 4,400 | 80 | 8,600 | | | | | | | | |
| 85 | 8,800 | 5,500 | 4,200 | 85 | 8,600 | 4,900 | 3,700 | | | | | | |
| 90 | 7,700 | 5,400 | 4,100 | 90 | 8,100 | 4,900 | 3,500 | | | | | | |
| 95 | 6,800 | 5,300 | 3,900 | 95 | 7,200 | 4,800 | 3,400 | | | | | | |
| 100 | 6,000 | 5,200 | 3,700 | 100 | 6,300 | 4,800 | 3,300 | | | | | | |
| 105 | 5,200 | 5,100 | 3,600 | 105 | 5,500 | 4,700 | 3,200 | | | | | | |
| 110 | 4,500 | 5,000 | 3,500 | 110 | 4,800 | 4,700 | 3,100 | | | | | | |
| 115 | 3,900 | 4,900 | 3,300 | 115 | 4,100 | 4,700 | 3,000 | | | | | | |
| 120 | 3,400 | 4,300 | 3,200 | 120 | 3,500 | 4,600 | 2,900 | | | | | | |
| 125 | 2,900 | 3,800 | 3,100 | 125 | 3,000 | 4,100 | 2,800 | | | | | | |
| 130 | 2,400 | 3,300 | 3,000 | 130 | 2,500 | 3,600 | 2,700 | | | | | | |
| 135 | 2,000 | 2,800 | 2,700 | 135 | 2,000 | 3,100 | 2,700 | | | | | | |
| 140 | 1,600 | 2,400 | 2,300 | 140 | | 2,600 | 2,600 | | | | | | |
| 145 | 1,200 | 2,000 | 1,900 | 145 | | 2,200 | 2,200 | | | | | | |
| 150 | 900 | 1,600 | 1,600 | 150 | | 1,800 | 1,800 | | | | | | |
| 155 | | 1,300 | 1,200 | 155 | | 1,400 | 1,400 | | | | | | |
| 160 | | 1,000 | 900 | 160 | | 1,000 | 1,100 | | | | | | |
| | | | | 165 | | | 800 | | | | | | |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

| | 32,500 lb Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Pounds) | | | | | | | | | | | | |
|--------|---|------------------------------|-----------|-------|--------|--------|------------------------------|-----------|-------|--|--|--|--|
| | 140 ft | Main Boom l 2° Fly Offset | _ength | | | | Main Boom l I5° Fly Offse | | | | | | |
| Radius | | Fly Ler | ngth (ft) | | Radius | | Fly Ler | ngth (ft) | | | | | |
| (ft) | 35 | 58 | 74 | 90 | (ft) | 35 | 58 | 74 | 90 | | | | |
| 35 | 12,100 | | | | 35 | | | | | | | | |
| 40 | 12,100 | | | | 40 | | | | | | | | |
| 45 | 12,100 | 8,500 | | | 45 | 11,500 | | | | | | | |
| 50 | 12,100 | 8,400 | 6,600 | | 50 | 11,400 | | | | | | | |
| 55 | 12,100 | 8,300 | 6,600 | 5,200 | 55 | 11,200 | | | | | | | |
| 60 | 12,100 | 8,100 | 6,600 | 5,200 | 60 | 11,000 | 7,200 | | | | | | |
| 65 | 11,900 | 8,000 | 6,600 | 5,200 | 65 | 10,800 | 7,000 | 6,300 | | | | | |
| 70 | 11,700 | 7,800 | 6,600 | 5,200 | 70 | 10,600 | 6,800 | 6,000 | 4,800 | | | | |
| 75 | 11,500 | 7,700 | 6,600 | 5,100 | 75 | 10,400 | 6,700 | 5,700 | 4,500 | | | | |
| 80 | 11,300 | 7,500 | 6,400 | 4,800 | 80 | 10,200 | 6,500 | 5,400 | 4,200 | | | | |
| 85 | 11,000 | 7,300 | 6,000 | 4,500 | 85 | 10,000 | 6,300 | 5,100 | 4,000 | | | | |
| 90 | 10,500 | 7,100 | 5,700 | 4,200 | 90 | 9,700 | 6,200 | 4,900 | 3,700 | | | | |
| 95 | 10,100 | 6,900 | 5,400 | 4,000 | 95 | 9,400 | 6,000 | 4,600 | 3,500 | | | | |
| 100 | 9,700 | 6,700 | 5,100 | 3,700 | 100 | 9,000 | 5,900 | 4,400 | 3,300 | | | | |
| 105 | 8,800 | 6,500 | 4,900 | 3,500 | 105 | 8,700 | 5,700 | 4,200 | 3,100 | | | | |
| 110 | 8,000 | 6,300 | 4,700 | 3,300 | 110 | 8,400 | 5,600 | 4,100 | 3,000 | | | | |
| 115 | 7,300 | 6,000 | 4,500 | 3,200 | 115 | 7,600 | 5,500 | 3,900 | 2,800 | | | | |
| 120 | 6,600 | 5,800 | 4,300 | 3,000 | 120 | 6,900 | 5,300 | 3,700 | 2,700 | | | | |
| 125 | 6,000 | 5,600 | 4,100 | 2,800 | 125 | 6,300 | 5,100 | 3,600 | 2,500 | | | | |
| 130 | 5,500 | 5,300 | 3,900 | 2,700 | 130 | 5,700 | 4,900 | 3,500 | 2,400 | | | | |
| 135 | 5,000 | 5,200 | 3,800 | 2,500 | 135 | 5,200 | 4,700 | 3,300 | 2,300 | | | | |
| 140 | 4,500 | 4,900 | 3,600 | 2,400 | 140 | 4,700 | 4,600 | 3,200 | 2,200 | | | | |
| 145 | 4,100 | 4,400 | 3,500 | 2,300 | 145 | 4,200 | 4,400 | 3,100 | 2,100 | | | | |
| 150 | 3,700 | 4,000 | 3,400 | 2,200 | 150 | 3,800 | 4,300 | 3,000 | 2,000 | | | | |
| 155 | 3,300 | 3,700 | 3,200 | 2,100 | 155 | 3,400 | 4,000 | 2,900 | 1,900 | | | | |
| 160 | 2,900 | 3,300 | 3,100 | 2,000 | 160 | 3,000 | 3,600 | 2,900 | 1,800 | | | | |
| 165 | 2,500 | 2,900 | 2,700 | 1,900 | 165 | 2,600 | 3,200 | 2,800 | 1,700 | | | | |
| 170 | | 2,600 | 2,400 | 1,800 | 170 | | 2,800 | 2,700 | 1,600 | | | | |
| 175 | | 2,300 | 2,100 | 1,800 | 175 | | 2,500 | 2,300 | 1,600 | | | | |
| 180 | | 2,000 | 1,800 | 1,700 | 180 | | 2,100 | 2,000 | 1,500 | | | | |
| 185 | | 1,700 | 1,500 | 1,400 | 185 | | 1,800 | 1,700 | 1,500 | | | | |
| 190 | | | 1,200 | 1,200 | 190 | | | 1,400 | 1,400 | | | | |
| 195 | | | 1,000 | 900 | 195 | | | 1,100 | 1,100 | | | | |
| 200 | | | 800 | | 200 | | | 800 | 900 | | | | |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

| 32,500 lb Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Pounds) | | | | | | | | | | | |
|--|--------|------------------------------|-----------|-------|--------|-------|----------------------------|-----------|-------|--|--|
| | | Main Boom L 30° Fly Offse | | | | | Main Boom 45° Fly Offse | | | | |
| Radius | | Fly Len | igth (ft) | | Radius | | Fly Ler | ngth (ft) | | | |
| (ft) | 35 | 58 | 74 | 90 | (ft) | 35 | 58 | 74 | 90 | | |
| 35 | | | | | 35 | | | | | | |
| 40 | | | | | 40 | | | | | | |
| 45 | | | | | 45 | | | | | | |
| 50 | | | | | 50 | | | | | | |
| 55 | 10,000 | | | | 55 | | | | | | |
| 60 | 9,800 | | | | 60 | | | | | | |
| 65 | 9,700 | | | | 65 | 8,800 | | | | | |
| 70 | 9,500 | | | | 70 | 8,800 | | | _ | | |
| 75 | 9,400 | 5,700 | 4,600 | | 75 | 8,700 | | | | | |
| 80 | 9,200 | 5,600 | 4,400 | 3,600 | 80 | 8,600 | | | | | |
| 85 | 9,100 | 5,500 | 4,200 | 3,400 | 85 | 8,600 | 4,900 | 3,700 | | | |
| 90 | 9,000 | 5,400 | 4,100 | 3,200 | 90 | 8,500 | 4,900 | 3,500 | 2,900 | | |
| 95 | 8,800 | 5,300 | 3,900 | 3,000 | 95 | 8,400 | 4,800 | 3,400 | 2,700 | | |
| 100 | 8,500 | 5,200 | 3,700 | 2,900 | 100 | 8,200 | 4,800 | 3,300 | 2,600 | | |
| 105 | 8,200 | 5,100 | 3,600 | 2,700 | 105 | 8,000 | 4,700 | 3,200 | 2,400 | | |
| 110 | 8,000 | 5,000 | 3,500 | 2,600 | 110 | 7,800 | 4,700 | 3,100 | 2,300 | | |
| 115 | 7,700 | 4,900 | 3,300 | 2,400 | 115 | 7,600 | 4,700 | 3,000 | 2,200 | | |
| 120 | 7,200 | 4,800 | 3,200 | 2,300 | 120 | 7,400 | 4,600 | 2,900 | 2,100 | | |
| 125 | 6,500 | 4,700 | 3,100 | 2,200 | 125 | 6,700 | 4,500 | 2,800 | 2,000 | | |
| 130 | 5,900 | 4,500 | 3,000 | 2,100 | 130 | 6,000 | 4,400 | 2,700 | 1,900 | | |
| 135 | 5,400 | 4,400 | 2,900 | 2,000 | 135 | 5,400 | 4,300 | 2,700 | 1,800 | | |
| 140 | 4,800 | 4,300 | 2,800 | 1,900 | 140 | | 4,200 | 2,600 | 1,800 | | |
| 145 | 4,400 | 4,200 | 2,800 | 1,800 | 145 | | 4,100 | 2,600 | 1,700 | | |
| 150 | 3,900 | 4,100 | 2,700 | 1,700 | 150 | | 4,000 | 2,500 | 1,600 | | |
| 155 | 3,500 | 4,000 | 2,600 | 1,700 | 155 | | 4,000 | 2,500 | 1,600 | | |
| 160 | | 3,800 | 2,600 | 1,600 | 160 | | 3,900 | 2,500 | 1,500 | | |
| 165 | | 3,400 | 2,500 | 1,500 | 165 | | | 2,500 | 1,500 | | |
| 170 | | 3,000 | 2,500 | 1,500 | 170 | | | 2,500 | 1,400 | | |
| 175 | | 2,600 | 2,500 | 1,400 | 175 | | | 2,500 | 1,400 | | |
| 180 | | 2,200 | 2,200 | 1,400 | 180 | | | | 1,400 | | |
| 185 | | | 1,800 | 1,400 | 185 | | | | 1,400 | | |
| 190 | | | 1,500 | 1,300 | 190 | | | | 1,400 | | |
| 195 | | | 1,200 | 1,300 | | | | | | | |
| 200 | | | | 1,000 | | | | | | | |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.



| | 39 | ,500 lb Coι | ınterweigh (All C | t – Fully Ex apacities Are | tended Ou Listed In Po | triggers - 3 ounds) | 360° Rotati | on | |
|--------|--------|------------------------------|----------------------|-------------------------------|---------------------------|------------------------|------------------------------|-----------|-------|
| | | Main Boom L 2° Fly Offset | | | | | Main Boom l I5° Fly Offse | | |
| Radius | | Fly Len | gth (ft) | | Radius | | Fly Ler | ngth (ft) | |
| (ft) | 35 | 58 | 74 | 90 | (ft) | 35 | 58 | 74 | 90 |
| 35 | 12,100 | | | | 35 | | | | |
| 40 | 12,100 | | | | 40 | | | | |
| 45 | 12,100 | 8,500 | | | 45 | 11,500 | | | |
| 50 | 12,100 | 8,400 | 6,600 | | 50 | 11,400 | | | |
| 55 | 12,100 | 8,300 | 6,600 | 5,200 | 55 | 11,200 | | | |
| 60 | 12,100 | 8,100 | 6,600 | 5,200 | 60 | 11,000 | 7,200 | | |
| 65 | 11,900 | 8,000 | 6,600 | 5,200 | 65 | 10,800 | 7,000 | 6,300 | |
| 70 | 11,700 | 7,800 | 6,600 | 5,200 | 70 | 10,600 | 6,800 | 6,000 | 4,800 |
| 75 | 11,500 | 7,700 | 6,600 | 5,100 | 75 | 10,400 | 6,700 | 5,700 | 4,500 |
| 80 | 11,300 | 7,500 | 6,400 | 4,800 | 80 | 10,200 | 6,500 | 5,400 | 4,200 |
| 85 | 11,000 | 7,300 | 6,000 | 4,500 | 85 | 10,000 | 6,300 | 5,100 | 4,000 |
| 90 | 10,500 | 7,100 | 5,700 | 4,200 | 90 | 9,700 | 6,200 | 4,900 | 3,700 |
| 95 | 10,100 | 6,900 | 5,400 | 4,000 | 95 | 9,400 | 6,000 | 4,600 | 3,500 |
| 100 | 9,700 | 6,700 | 5,100 | 3,700 | 100 | 9,000 | 5,900 | 4,400 | 3,300 |
| 105 | 9,300 | 6,500 | 4,900 | 3,500 | 105 | 8,700 | 5,700 | 4,200 | 3,100 |
| 110 | 8,900 | 6,300 | 4,700 | 3,300 | 110 | 8,400 | 5,600 | 4,100 | 3,000 |
| 115 | 8,500 | 6,000 | 4,500 | 3,200 | 115 | 8,100 | 5,500 | 3,900 | 2,800 |
| 120 | 7,800 | 5,800 | 4,300 | 3,000 | 120 | 7,900 | 5,300 | 3,700 | 2,700 |
| 125 | 7,100 | 5,600 | 4,100 | 2,800 | 125 | 7,400 | 5,100 | 3,600 | 2,500 |
| 130 | 6,500 | 5,300 | 3,900 | 2,700 | 130 | 6,800 | 4,900 | 3,500 | 2,400 |
| 135 | 6,000 | 5,200 | 3,800 | 2,500 | 135 | 6,200 | 4,700 | 3,300 | 2,300 |
| 140 | 5,500 | 5,000 | 3,600 | 2,400 | 140 | 5,700 | 4,600 | 3,200 | 2,200 |
| 145 | 5,000 | 4,800 | 3,500 | 2,300 | 145 | 5,200 | 4,400 | 3,100 | 2,100 |
| 150 | 4,500 | 4,700 | 3,400 | 2,200 | 150 | 4,700 | 4,300 | 3,000 | 2,000 |
| 155 | 4,100 | 4,500 | 3,200 | 2,100 | 155 | 4,300 | 4,200 | 2,900 | 1,900 |
| 160 | 3,700 | 4,100 | 3,100 | 2,000 | 160 | 3,800 | 4,100 | 2,900 | 1,800 |
| 165 | 3,400 | 3,700 | 3,100 | 1,900 | 165 | 3,400 | 4,000 | 2,800 | 1,700 |
| 170 | , | 3,400 | 3,000 | 1,800 | 170 | , | 3,600 | 2,700 | 1,600 |
| 175 | | 3,000 | 2,800 | 1,800 | 175 | | 3,200 | 2,700 | 1,600 |
| 180 | | 2,700 | 2,500 | 1,700 | 180 | | 2,900 | 2,600 | 1,500 |
| 185 | | 2,400 | 2,200 | 1,600 | 185 | | 2,500 | 2,400 | 1,500 |
| 190 | | _, | 1,900 | 1,600 | 190 | | _,,,,,, | 2,100 | 1,400 |
| 195 | | | 1,700 | 1,500 | 195 | | | 1,800 | 1,400 |
| 200 | | | 1,400 | 1,300 | 200 | | | 1,500 | 1,400 |
| 205 | | | ., 100 | 1,100 | 205 | | | .,500 | 1,300 |
| 210 | | | | 900 | 210 | | | | 1,000 |
| 210 | | | | 000 | 215 | | | | 800 |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.



5460 (supersedes 5424) - 0506 - N3

| | 39 | ,500 lb Cou | unterweigh | t – Fully Ex apacities Are | tended Out | triggers - 3 | 360° Rotati | on | |
|--------|--------|------------------------------|------------|-------------------------------|--------------|--------------|----------------------------|-----------|-------|
| | | Main Boom I 30° Fly Offse | _ength | apacities Are | Listed in Po | 140 ft | Main Boom 45° Fly Offse | | |
| Radius | | | gth (ft) | | Radius | | | ngth (ft) | |
| (ft) | 35 | 58 | 74 | 90 | (ft) | 35 | 58 | 74 | 90 |
| 35 | | | | | 35 | | | | |
| 40 | | | | | 40 | | | | |
| 45 | | | | | 45 | | | | |
| 50 | | | | | 50 | | | | |
| 55 | 10,000 | | | | 55 | | | | |
| 60 | 9,800 | | | | 60 | | | | |
| 65 | 9,700 | | | | 65 | 8,800 | | | |
| 70 | 9,500 | | | | 70 | 8,800 | | | |
| 75 | 9,400 | 5,700 | 4,600 | | 75 | 8,700 | | | |
| 80 | 9,200 | 5,600 | 4,400 | 3,600 | 80 | 8,600 | | | |
| 85 | 9,100 | 5,500 | 4,200 | 3,400 | 85 | 8,600 | 4,900 | 3,700 | |
| 90 | 9,000 | 5,400 | 4,100 | 3,200 | 90 | 8,500 | 4,900 | 3,500 | 2,900 |
| 95 | 8,800 | 5,300 | 3,900 | 3,000 | 95 | 8,400 | 4,800 | 3,400 | 2,700 |
| 100 | 8,500 | 5,200 | 3,700 | 2,900 | 100 | 8,200 | 4,800 | 3,300 | 2,600 |
| 105 | 8,200 | 5,100 | 3,600 | 2,700 | 105 | 8,000 | 4,700 | 3,200 | 2,400 |
| 110 | 8,000 | 5,000 | 3,500 | 2,600 | 110 | 7,800 | 4,700 | 3,100 | 2,300 |
| 115 | 7,700 | 4,900 | 3,300 | 2,400 | 115 | 7,600 | 4,700 | 3,000 | 2,200 |
| 120 | 7,500 | 4,800 | 3,200 | 2,300 | 120 | 7,400 | 4,600 | 2,900 | 2,100 |
| 125 | 7,300 | 4,700 | 3,100 | 2,200 | 125 | 7,200 | 4,500 | 2,800 | 2,000 |
| 130 | 7,000 | 4,500 | 3,000 | 2,100 | 130 | 7,100 | 4,400 | 2,700 | 1,900 |
| 135 | 6,400 | 4,400 | 2,900 | 2,000 | 135 | 6,400 | 4,300 | 2,700 | 1,800 |
| 140 | 5,800 | 4,300 | 2,800 | 1,900 | 140 | | 4,200 | 2,600 | 1,800 |
| 145 | 5,300 | 4,200 | 2,800 | 1,800 | 145 | | 4,100 | 2,600 | 1,700 |
| 150 | 4,800 | 4,100 | 2,700 | 1,700 | 150 | | 4,000 | 2,500 | 1,600 |
| 155 | 4,300 | 4,000 | 2,600 | 1,700 | 155 | | 4,000 | 2,500 | 1,600 |
| 160 | | 3,900 | 2,600 | 1,600 | 160 | | 4,000 | 2,500 | 1,500 |
| 165 | | 3,900 | 2,500 | 1,500 | 165 | | 4,000 | 2,500 | 1,500 |
| 170 | | 3,700 | 2,500 | 1,500 | 170 | | | 2,500 | 1,400 |
| 175 | | 3,300 | 2,500 | 1,400 | 175 | | | 2,500 | 1,400 |
| 180 | | 2,900 | 2,500 | 1,400 | 180 | | | | 1,400 |
| 185 | | | 2,500 | 1,400 | 185 | | | | 1,400 |
| 190 | | | 2,200 | 1,300 | 190 | | | | 1,400 |
| 195 | | | 1,900 | 1,300 | | | | | |
| 200 | | | | 1,300 | | | | | |
| 205 | | | | 1,300 | | | | | |
| 210 | | | | 1,100 | | | | | |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 85% of the tipping loads and on tires do not exceed 75% of the tipping loads.

5460 (supersedes 5424) - 0506 - N3

Main Boom Lift Capacity Charts - Optional (Metric)

| 3 856kg Counterweight — Fully Extended Outriggers — 360° Rotation (All Capacities Are Listed In Kilograms) | | | | | | | | | | | | |
|---|--------------|-------------|------------|--------|--------|-----------|--------|--------|--------|--------|--------|--------|
| Radius | | | | | Во | om Length | (m) | | | | | Radius |
| (m) | 11.58 | 15.2 | 18.3 | 21.3 | 24.4 | 27.4 | 30.5 | 33.5 | 36.6 | 39.6 | 42.67 | (m) |
| 3 | 70 800* | 69 550* | 53 450 | 40 850 | | | | | | | | 3 |
| 3.5 | 61 350* | 62 250* | 50 350 | 39 100 | | | | | | | | 3.5 |
| 4 | 53 500 | 54 450 | 48 900 | 37 450 | 37 400 | | | | | | | 4 |
| 4.5 | 47 250 | 48 250 | 48 350 | 35 950 | 35 750 | 26 150 | | | | | | 4.5 |
| 5 | 42 200 | 43 200 | 43 400 | 34 600 | 35 250 | 26 150 | | | | | | 5 |
| 6 | 34 500 | 35 550 | 35 750 | 32 150 | 34 700 | 25 450 | 22 250 | 19 250 | | | | 6 |
| 7 | 26 600 | 27 850 | 28 200 | 28 850 | 28 700 | 25 200 | 21 150 | 19 250 | | | | 7 |
| 8 | 20 500 | 22 000 | 22 450 | 22 550 | 22 450 | 22 200 | 20 650 | 18 800 | 14 950 | 13 400 | | 8 |
| 9 | 16 350 | 17 800 | 18 250 | 18 500 | 18 200 | 18 150 | 17 950 | 17 550 | 14 200 | 13 300 | 11 050 | 9 |
| 10 | | 14 850 | 15 250 | 15 550 | 15 600 | 15 600 | 15 600 | 15 400 | 14 050 | 13 200 | 10 950 | 10 |
| 12 | | 10 750 | 11 450 | 11 700 | 11 850 | 11 700 | 11 850 | 11 800 | 11 650 | 11 500 | 10 850 | 12 |
| 14 | | | 8 800 | 9 100 | 9 250 | 9 300 | 9 250 | 9 200 | 9 050 | 8 900 | 8 750 | 14 |
| 16 | | | 6 850 | 7 150 | 7 350 | 7 400 | 7 350 | 7 300 | 7 150 | 6 950 | 6 850 | 16 |
| 18 | | | | 5 800 | 5 950 | 6 000 | 5 950 | 5 900 | 5 750 | 5 650 | 5 500 | 18 |
| 20 | | | | | 4 900 | 4 950 | 4 900 | 4 850 | 4 750 | 4 600 | 4 450 | 20 |
| 22 | | | | | 4 050 | 4 150 | 4 100 | 4 050 | 3 900 | 3 750 | 3 650 | 22 |
| 24 | | | | | | 3 450 | 3 400 | 3 400 | 3 250 | 3 100 | 2 950 | 24 |
| 26 | | | | | | | 2 850 | 2 850 | 2 700 | 2 550 | 2 450 | 26 |
| 28 | | | | | | | 2 400 | 2 400 | 2 250 | 2 100 | 2 000 | 28 |
| 30 | | | | | | | | 2 000 | 1 850 | 1 700 | 1 600 | 30 |
| 32 | | | | | | | | 800 | 1 550 | 1 400 | 1 250 | 32 |
| 34 | | | | | | | | | 1 250 | 1 100 | 1 000 | 34 |
| 36 | | | | | | | | | | 850 | 750 | 36 |
| 38 | | | | | | | | | | | 500 | 38 |
| 40 | | | | | | | | | | | 350 | 40 |
| * Special (| Conditions (| Or Wire Rop | e Required | | | | | | | | • | |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.



30

| 3 856kg Counterweight – On Tires – Stationary – Boom Centered Over Rear (All Capacities Are Listed In Kilograms) | | | | | | | | | | | |
|--|--------|--------|--------|----------------|-------|-------|-------|--------|--|--|--|
| Radius | | | | Boom Length (m | 1) | | | Radius | | | |
| (m) | 11.58 | 15.2 | 18.3 | 21.3 | 24.4 | 27.4 | 30.5 | (m) | | | |
| 3 | 14 600 | | | | | | | 3 | | | |
| 3.5 | 13 500 | | | | | | | 3.5 | | | |
| 4 | 12 450 | 13 100 | | | | | | 4 | | | |
| 4.5 | 11 500 | 12 150 | 10 100 | | | | | 4.5 | | | |
| 5 | 10 600 | 11 300 | 10 100 | | | | | 5 | | | |
| 6 | 8 000 | 9 100 | 9 650 | 8 000 | | | | 6 | | | |
| 7 | 6 100 | 7 100 | 7 650 | 7 900 | | | | 7 | | | |
| 8 | 4 700 | 5 700 | 6 200 | 6 450 | 6 150 | | | 8 | | | |
| 9 | 3 600 | 4 600 | 5 100 | 5 350 | 5 550 | 4 850 | 4 000 | 9 | | | |
| 10 | | 3 750 | 4 250 | 4 500 | 4 650 | 4 750 | 4 000 | 10 | | | |
| 12 | | 2 500 | 3 000 | 3 200 | 3 350 | 3 450 | 3 450 | 12 | | | |
| 14 | | | 2 100 | 2 350 | 2 500 | 2 550 | 2 550 | 14 | | | |
| 16 | | | 1 450 | 1 700 | 1 800 | 1 900 | 1 900 | 16 | | | |
| 18 | | | | 1 150 | 1 300 | 1 400 | 1 350 | 18 | | | |
| 20 | | | | | 900 | 1 000 | 950 | 20 | | | |
| 22 | | | | | 600 | 650 | 650 | 22 | | | |
| 24 | | | | | | 400 | 400 | 24 | | | |

| 3 856kg Counterweight – On Tires – Pick & Carry (1.6 km/h) – Boom Centered Over Rear (All Capacities Are Listed In Kilograms) | | | | | | | | | | | |
|--|--------|-------|-------|----------------|-------|-------|-------|--------|--|--|--|
| Radius | | | | Boom Length (m |) | | | Radius | | | |
| (m) | 11.58 | 15.2 | 18.3 | 21.3 | 24.4 | 27.4 | 30.5 | (m) | | | |
| 3 | 10 050 | | | | | | | 3 | | | |
| 3.5 | 9 250 | | | | | | | 3.5 | | | |
| 4 | 8 400 | 9 050 | | | | | | 4 | | | |
| 4.5 | 7 650 | 8 350 | 8 550 | | | | | 4.5 | | | |
| 5 | 6 950 | 7 650 | 8 050 | | | | | 5 | | | |
| 6 | 5 750 | 6 550 | 6 900 | 7 000 | | | | 6 | | | |
| 7 | 4 750 | 5 600 | 6 000 | 6 200 | | | | 7 | | | |
| 8 | 3 900 | 4 800 | 5 200 | 5 450 | 5 550 | | | 8 | | | |
| 9 | 3 150 | 4 100 | 4 550 | 4 750 | 4 900 | 4 850 | 4 000 | 9 | | | |
| 10 | | 3 450 | 3 950 | 4 200 | 4 300 | 4 400 | 4 000 | 10 | | | |
| 12 | | 2 450 | 2 950 | 3 200 | 3 350 | 3 450 | 3 400 | 12 | | | |
| 14 | | | 2 100 | 2 350 | 2 500 | 2 550 | 2 550 | 14 | | | |
| 16 | | | 1 450 | 1 700 | 1 800 | 1 900 | 1 900 | 16 | | | |
| 18 | | | | 1 150 | 1 300 | 1 400 | 1 350 | 18 | | | |
| 20 | | | | | 900 | 1 000 | 950 | 20 | | | |
| 22 | | | | | 600 | 650 | 650 | 22 | | | |
| 24 | | | | | | 400 | 400 | 24 | | | |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.

| 5 216kg Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Kilograms) | | | | | | | | | | | | |
|---|---------|---------|--------|--------|--------|-----------|--------|--------|--------|--------|--------|--------|
| Radius | | | | | Вос | om Length | (m) | | | | | Radius |
| (m) | 11.58 | 15.2 | 18.3 | 21.3 | 24.4 | 27.4 | 30.5 | 33.5 | 36.6 | 39.6 | 42.67 | (m) |
| 3 | 71 100* | 69 550* | 53 450 | 40 850 | | | | | | | | 3 |
| 3.5 | 62 600* | 63 450* | 50 350 | 39 100 | | | | | | | | 3.5 |
| 4 | 54 600 | 55 550 | 48 900 | 37 450 | 37 400 | | | | | | | 4 |
| 4.5 | 48 250 | 49 200 | 48 350 | 35 950 | 35 750 | 26 150 | | | | | | 4.5 |
| 5 | 43 100 | 44 100 | 44 250 | 34 600 | 35 250 | 26 150 | | | | | | 5 |
| 6 | 35 250 | 36 250 | 36 450 | 32 150 | 34 700 | 25 450 | 22 250 | 19 250 | | | | 6 |
| 7 | 28 250 | 29 450 | 29 700 | 30 000 | 29 400 | 25 200 | 21 150 | 19 250 | | | | 7 |
| 8 | 21 800 | 23 300 | 23 750 | 23 850 | 23 700 | 23 450 | 20 650 | 18 800 | 14 950 | 13 400 | | 8 |
| 9 | 17 450 | 18 900 | 19 350 | 19 450 | 19 300 | 19 100 | 19 050 | 17 550 | 14 200 | 13 300 | 11 050 | 9 |
| 10 | | 15 800 | 16 200 | 16 500 | 16 150 | 16 550 | 15 950 | 16 300 | 14 050 | 13 200 | 10 950 | 10 |
| 12 | | 11 500 | 12 000 | 12 200 | 12 600 | 12 250 | 12 450 | 12 350 | 12 350 | 11 800 | 10 850 | 12 |
| 14 | | | 9 400 | 9 700 | 9 850 | 9 900 | 9 850 | 9 800 | 9 650 | 9 500 | 9 350 | 14 |
| 16 | | | 7 450 | 7 750 | 7 900 | 8 000 | 7 950 | 7 900 | 7 750 | 7 600 | 7 450 | 16 |
| 18 | | | | 6 300 | 6 450 | 6 500 | 6 450 | 6 400 | 6 250 | 6 100 | 5 950 | 18 |
| 20 | | | | | 5 350 | 5 400 | 5 400 | 5 350 | 5 200 | 5 050 | 4 900 | 20 |
| 22 | | | | | 4 450 | 4 550 | 4 500 | 4 450 | 4 350 | 4 150 | 4 050 | 22 |
| 24 | | | | | | 3 850 | 3 800 | 3 750 | 3 600 | 3 450 | 3 350 | 24 |
| 26 | | | | | | | 3 200 | 3 150 | 3 050 | 2 900 | 2 750 | 26 |
| 28 | | | | | | | 2 700 | 2 700 | 2 550 | 2 400 | 2 300 | 28 |
| 30 | | | | | | | | 2 250 | 2 150 | 2 000 | 1 900 | 30 |
| 32 | | | | | | | | 1 050 | 1 800 | 1 650 | 1 550 | 32 |
| 34 | | | | | | | | | 1 500 | 1 350 | 1 250 | 34 |
| 36 | | | | | | | | | | 1 100 | 950 | 36 |
| 38 | | | | | | | | | | | 750 | 38 |
| 40 | | | | | | | | | | | 550 | 40 |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.



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| 5 216kg Counterweight On Tires Stationary Boom Centered Over Rear (All Capacities Are Listed In Kilograms) | | | | | | | | | | | |
|---|--------|--------|-------|----------------|-------|-------|-------|--------|--|--|--|
| Radius | | | | Boom Length (m |) | | | Radius | | | |
| (m) | 11.58 | 15.2 | 18.3 | 21.3 | 24.4 | 27.4 | 30.5 | (m) | | | |
| 3 | 14 300 | | | | | | | 3 | | | |
| 3.5 | 13 300 | | | | | | | 3.5 | | | |
| 4 | 12 200 | 12 850 | | | | | | 4 | | | |
| 4.5 | 11 300 | 11 950 | 9 900 | | | | | 4.5 | | | |
| 5 | 10 400 | 11 150 | 9 900 | | | | | 5 | | | |
| 6 | 8 750 | 9 700 | 9 900 | 8 400 | | | | 6 | | | |
| 7 | 6 700 | 7 750 | 8 250 | 8 400 | | | | 7 | | | |
| 8 | 5 200 | 6 200 | 6 750 | 7 000 | 6 700 | | | 8 | | | |
| 9 | 4 050 | 5 100 | 5 600 | 5 800 | 5 950 | 5 350 | 4 250 | 9 | | | |
| 10 | | 4 200 | 4 650 | 4 900 | 5 050 | 5 150 | 4 250 | 10 | | | |
| 12 | | 2 850 | 3 350 | 3 550 | 3 700 | 3 800 | 3 800 | 12 | | | |
| 14 | | | 2 400 | 2 650 | 2 750 | 2 850 | 2 850 | 14 | | | |
| 16 | | | 1 700 | 1 950 | 2 100 | 2 150 | 2 150 | 16 | | | |
| 18 | | | | 1 400 | 1 550 | 1 600 | 1 600 | 18 | | | |
| 20 | | | | | 1 100 | 1 200 | 1 150 | 20 | | | |
| 22 | | | | | 800 | 850 | 850 | 22 | | | |
| 24 | | | | | | 550 | 550 | 24 | | | |

| 5 2 | 5 216kg Counterweight – On Tires – Pick & Carry (1.6 km/h) – Boom Centered Over Rear (All Capacities Are Listed In Kilograms) | | | | | | | | | | | |
|--------|--|-------|-------|----------------|-------|-------|-------|--------|--|--|--|--|
| Radius | | | E | Boom Length (m |) | | | Radius | | | | |
| (m) | 11.58 | 15.2 | 18.3 | 21.3 | 24.4 | 27.4 | 30.5 | (m) | | | | |
| 3 | 9 750 | | | | | | | 3 | | | | |
| 3.5 | 9 000 | | | | | | | 3.5 | | | | |
| 4 | 8 200 | 8 800 | | | | | | 4 | | | | |
| 4.5 | 7 450 | 8 100 | 9 300 | | | | | 4.5 | | | | |
| 5 | 6 750 | 7 500 | 7 850 | | | | | 5 | | | | |
| 6 | 5 600 | 6 350 | 6 750 | 6 800 | | | | 6 | | | | |
| 7 | 4 600 | 5 450 | 5 850 | 6 000 | | | | 7 | | | | |
| 8 | 3 750 | 4 650 | 5 050 | 5 300 | 5 400 | | | 8 | | | | |
| 9 | 3 000 | 3 950 | 4 400 | 4 600 | 4 750 | 4 750 | 3 900 | 9 | | | | |
| 10 | | 3 350 | 3 800 | 4 050 | 4 200 | 4 250 | 3 900 | 10 | | | | |
| 12 | | 2 350 | 2 850 | 3 100 | 3 250 | 3 350 | 3 300 | 12 | | | | |
| 14 | | | 2 100 | 2 350 | 2 500 | 2 600 | 2 550 | 14 | | | | |
| 16 | | | 1 450 | 1 750 | 1 900 | 2 000 | 1 950 | 16 | | | | |
| 18 | | | | 1 250 | 1 400 | 1 500 | 1 450 | 18 | | | | |
| 20 | | | | | 950 | 1 050 | 1 050 | 20 | | | | |
| 22 | | | | | 600 | 700 | 700 | 22 | | | | |
| 24 | | | | | | 400 | 350 | 24 | | | | |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.

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Special Conditions Or Wire Rope Required

| 14 742kg Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Kilograms) | | | | | | | | | | | | |
|--|---------|---------|--------|--------|--------|-----------|--------|--------|--------|--------|--------|--------|
| Radius | | | | | Вос | om Length | (m) | | | | | Radius |
| (m) | 11.58 | 15.2 | 18.3 | 21.3 | 24.4 | 27.4 | 30.5 | 33.5 | 36.6 | 39.6 | 42.67 | (m) |
| 2.4 | 81 600* | | | | | | | | | | | 2.4 |
| 3 | 72 400* | 69 550* | 53 450 | 40 850 | | | | | | | | 3 |
| 3.5 | 66 550* | 64 300* | 50 350 | 39 100 | | | | | | | | 3.5 |
| 4 | 61 000* | 59 950* | 48 900 | 37 450 | 37 400 | | | | | | | 4 |
| 4.5 | 55 050 | 55 950 | 48 350 | 35 950 | 35 750 | 26 150 | | | | | | 4.5 |
| 5 | 49 250 | 50 200 | 47 000 | 34 600 | 35 250 | 26 150 | | | | | | 5 |
| 6 | 40 450 | 41 400 | 41 600 | 32 150 | 34 700 | 25 450 | 22 250 | 19 250 | | | | 6 |
| 7 | 34 000 | 35 050 | 35 250 | 30 000 | 34 700 | 25 200 | 21 150 | 19 250 | | | | 7 |
| 8 | 29 150 | 30 200 | 30 400 | 28 150 | 30 200 | 24 950 | 20 650 | 18 800 | 14 950 | 13 400 | | 8 |
| 9 | 25 150 | 26 300 | 26 500 | 26 550 | 27 000 | 24 700 | 20 500 | 17 550 | 14 200 | 13 300 | 11 050 | 9 |
| 10 | | 22 100 | 22 800 | 22 900 | 22 750 | 22 550 | 19 750 | 16 450 | 14 050 | 13 200 | 10 950 | 10 |
| 12 | | 16 650 | 17 100 | 17 200 | 17 050 | 16 900 | 16 700 | 15 200 | 13 850 | 13 050 | 10 850 | 12 |
| 14 | | | 13 400 | 13 500 | 13 400 | 13 450 | 13 200 | 13 000 | 13 350 | 12 750 | 10 750 | 14 |
| 16 | | | 10 850 | 11 150 | 11 250 | 11 200 | 11 000 | 11 050 | 10 900 | 11 050 | 10 700 | 16 |
| 18 | | | | 9 250 | 9 350 | 9 350 | 9 300 | 9 350 | 9 450 | 9 300 | 9 150 | 18 |
| 20 | | | | | 8 150 | 7 900 | 8 200 | 8 150 | 8 000 | 7 850 | 7 700 | 20 |
| 22 | | | | | 7 000 | 7 000 | 7 050 | 7 000 | 6 850 | 6 700 | 6 600 | 22 |
| 24 | | | | | | 6 150 | 6 100 | 6 100 | 5 950 | 5 800 | 5 750 | 24 |
| 26 | | | | | | | 5 350 | 5 350 | 5 250 | 5 100 | 4 950 | 26 |
| 28 | | | | | | | 4 700 | 4 700 | 4 600 | 4 450 | 4 350 | 28 |
| 30 | | | | | | | | 4 150 | 4 050 | 3 900 | 3 800 | 30 |
| 32 | | | | | | | | 2 800 | 3 550 | 3 400 | 3 300 | 32 |
| 34 | | | | | | | | | 3 150 | 3 000 | 2 900 | 34 |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.

Link-Belt Cranes HTC-8690

This information is for reference use only. Operators manual should be consulted and adhered to. Please contact Bigge Crane and Rigging Co. at 888-337-BIGGE or email info@bigge.com for further information.

2 650

2 550

2 200

1 950

36

38 40

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| | 14 742kç | g Counterwei | ght – On Ti (All Capacit | res – Statior ies Are Listed Ir | nary – Boom Kilograms) | Centered C | ver Rear | |
|--------|----------|--------------|-----------------------------|------------------------------------|---------------------------|------------|----------|--------|
| Radius | | | | Boom Length (m |) | | | Radius |
| (m) | 11.58 | 15.2 | 18.3 | 21.3 | 24.4 | 27.4 | 30.5 | (m) |
| 3 | 12 800 | | | | | | | 3 |
| 3.5 | 11 800 | | | | | | | 3.5 |
| 4 | 10 850 | 11 550 | | | | | | 4 |
| 4.5 | 10 000 | 10 750 | 11 000 | | | | | 4.5 |
| 5 | 9 350 | 10 000 | 10 400 | | | | | 5 |
| 6 | 7 700 | 8 200 | 8 950 | 9 200 | | | | 6 |
| 7 | 6 550 | 7 300 | 7 700 | 7 750 | | | | 7 |
| 8 | 5 550 | 6 400 | 6 800 | 7 000 | 7 100 | | | 8 |
| 9 | 4 700 | 5 600 | 6 050 | 6 250 | 6 350 | 6 300 | 6 250 | 9 |
| 10 | | 4 900 | 5 350 | 5 600 | 5 750 | 5 750 | 5 750 | 10 |
| 12 | | 3 750 | 4 250 | 4 450 | 4 600 | 4 700 | 4 650 | 12 |
| 14 | | | 3 300 | 3 550 | 3 750 | 3 800 | 3 800 | 14 |
| 16 | | | 2 600 | 2 850 | 3 000 | 3 100 | 3 050 | 16 |
| 18 | | | | 2 250 | 2 400 | 2 500 | 2 450 | 18 |
| 20 | | | | | 1 900 | 2 000 | 2 000 | 20 |
| 22 | | | | | 1 500 | 1 550 | 1 550 | 22 |
| 24 | | | | | | 1 200 | 1 200 | 24 |
| 26 | | | | | | | 850 | 26 |
| 28 | | | | | | | 600 | 28 |

| 14 | 14 742kg Counterweight – On Tires – Pick & Carry (1.6 km/h) – Boom Centered Over Rear (All Capacities Are Listed In Kilograms) | | | | | | | | | | | | |
|--------|--|-------|-------|----------------|-------|-------|-------|--------|--|--|--|--|--|
| Radius | | | E | Boom Length (m |) | | | Radius | | | | | |
| (m) | 11.58 | 15.2 | 18.3 | 21.3 | 24.4 | 27.4 | 30.5 | (m) | | | | | |
| 3 | 8 250 | | | | | | | 3 | | | | | |
| 3.5 | 7 500 | | | | | | | 3.5 | | | | | |
| 4 | 6 750 | 7 450 | | | | | | 4 | | | | | |
| 4.5 | 6 050 | 6 800 | 7 050 | | | | | 4.5 | | | | | |
| 5 | 5 450 | 6 200 | 6 600 | | | | | 5 | | | | | |
| 6 | 4 400 | 5 200 | 5 600 | 5 750 | | | | 6 | | | | | |
| 7 | 3 500 | 4 350 | 4 800 | 5 000 | | | | 7 | | | | | |
| 8 | 2 750 | 3 650 | 4 100 | 4 300 | 4 450 | | | 8 | | | | | |
| 9 | 2 100 | 3 000 | 3 450 | 3 700 | 3 850 | 3 850 | 3 850 | 9 | | | | | |
| 10 | | 2 450 | 2 950 | 3 200 | 3 350 | 3 400 | 3 400 | 10 | | | | | |
| 12 | | 1 550 | 2 100 | 2 350 | 2 500 | 2 550 | 2 550 | 12 | | | | | |
| 14 | | | 1 400 | 1 650 | 1 850 | 1 900 | 1 900 | 14 | | | | | |
| 16 | | | 850 | 1 100 | 1 250 | 1 350 | 1 300 | 16 | | | | | |
| 18 | | | | 650 | 800 | 900 | 900 | 18 | | | | | |
| 20 | | | | | 450 | 550 | 500 | 20 | | | | | |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.

11 050

10 950

10 850

10 750

10 700

10 100

8 650

7 400

6 400

5 650

4 950

4 350

3 850

3 400

3 000

2 650

2 350

9

10

12

14

16

18

20

22

24

26

28

30

32

34

36

38 40

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11.58

81 600*

72 650*

66 800*

61 600* 56 750

51 250

42 100

35 450

30 450

26 450

27 550

24 250

18 300

27 750

24 450

18 750

14 800

12 000

26 550

25 000

18 850

14 900

12 150

10 250

28 000

24 900

18 750

14 800

12 050

10 300

8 800

7 700

24 700

24 650

18 550

14 600

12 200

10 350

8 800

7 550

6 550

Radius (m)

2.4

3

3.5

4

4.5 5

6

7

8

9

10

12

14

16

18

20

22

24

26

28

30

32

34

36

38

40

| 17 917 | 7kg Cou | | ht – Full Capacities | | | | 360° Ro | tation | | | |
|-----------------|---------|--------|-------------------------|--------|--------|--------|---------|--------|-------|-----|--|
| Boom Length (m) | | | | | | | | | | | |
| 15.2 | 18.3 | 21.3 | 24.4 | 27.4 | 30.5 | 33.5 | 36.6 | 39.6 | 42.67 | (m) | |
| | | | | | | | | | | 2.4 | |
| 69 550* | 53 450 | 40 850 | | | | | | | | 3 | |
| 64 300* | 50 350 | 39 100 | | | | | | | | 3.5 | |
| 59 950* | 48 900 | 37 450 | 37 400 | | | | | | | 4 | |
| 56 100 | 48 350 | 35 950 | 35 750 | 26 150 | | | | | | 4.5 | |
| 52 250 | 47 000 | 34 600 | 35 250 | 26 150 | | | | | | 5 | |
| 43 100 | 43 300 | 32 150 | 34 700 | 25 450 | 22 250 | 19 250 | | | | 6 | |
| 36 500 | 36 700 | 30 000 | 34 700 | 25 200 | 21 150 | 19 250 | | | | 7 | |
| 31 450 | 31 700 | 28 150 | 31 500 | 24 950 | 20 650 | 18 800 | 14 950 | 13 400 | | 8 | |

20 500

19 750

17 550

14 450

11 850

9 900

8 800

7 700

6 850

6 000

5 350

17 550

16 450

15 200

13 550

11 650

10 150

8 600

7 800

6 800

6 000

5 300

4 700

3 350

14 200

14 050

13 850

13 400

12 000

10 050

8 700

7 700

6 700

5 850

5 200

4 600

4 100

3 650

13 300

13 200

13 050

12 750

11 700

10 050

8 750

7 550

6 550

5 750

5 050

4 450

3 950

3 500

3 100

Special Conditions Or Wire Rope Required

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.

5460 (supersedes 5424) - 0506 - N3

Fly Attachment Lift Capacity Charts - Optional (Metric)

| | 3 856kg Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Kilograms) | | | | | | | | | | | |
|--------|---|---------|---|----------------|-------|--|--|--|--|--|--|--|
| 42. | 67m Main Boom Leng 2° Fly Offset | gth | 42.67m Main Boom Length 15° Fly Offset | | | | | | | | | |
| Radius | Fly Len | gth (m) | Radius | Fly Length (m) | | | | | | | | |
| (ft) | 10.67 | 17.68 | (ft) | 10.67 | 17.68 | | | | | | | |
| 12 | 5 500 | | 12 | | | | | | | | | |
| 14 | 5 500 | 3 850 | 14 | 5 200 | | | | | | | | |
| 16 | 5 500 | 3 750 | 16 | 5 100 | | | | | | | | |
| 18 | 5 500 | 3 700 | 18 | 5 000 | 3 300 | | | | | | | |
| 20 | 4 750 | 3 600 | 20 | 4 900 | 3 150 | | | | | | | |
| 22 | 3 900 | 3 500 | 22 | 4 200 | 3 050 | | | | | | | |
| 24 | 3 250 | 3 400 | 24 | 3 500 | 2 950 | | | | | | | |
| 26 | 2 650 | 2 900 | 26 | 2 900 | 2 850 | | | | | | | |
| 28 | 2 200 | 2 400 | 28 | 2 400 | 2 750 | | | | | | | |
| 30 | 1 800 | 2 000 | 30 | 2 000 | 2 300 | | | | | | | |
| 32 | 1 500 | 1 650 | 32 | 1 650 | 1 950 | | | | | | | |
| 34 | 1 200 | 1 350 | 34 | 1 350 | 1 600 | | | | | | | |
| 36 | 950 | 1 100 | 36 | 1 050 | 1 350 | | | | | | | |
| 38 | 700 | 900 | 38 | 850 | 1 100 | | | | | | | |
| 40 | 500 | 700 | 40 | 600 | 850 | | | | | | | |
| 42 | | 500 | 42 | 400 | 650 | | | | | | | |
| 44 | | | 44 | | 500 | | | | | | | |

| 42. | 67m Main Boom Leng 30° Fly Offset | gth | 42.67m Main Boom Length 45° Fly Offset | | | | |
|--------|--------------------------------------|---------|---|----------------|-------|--|--|
| Radius | Fly Len | gth (m) | Radius | Fly Length (m) | | | |
| (ft) | 10.67 | 17.68 | (ft) | 10.67 | 17.68 | | |
| 18 | 4 450 | | 18 | | | | |
| 20 | 4 350 | | 20 | 3 950 | | | |
| 22 | 4 300 | | 22 | 3 950 | | | |
| 24 | 3 750 | 2 550 | 24 | 3 900 | | | |
| 26 | 3 150 | 2 500 | 26 | 3 350 | 2 250 | | |
| 28 | 2 650 | 2 400 | 28 | 2 800 | 2 200 | | |
| 30 | 2 200 | 2 350 | 30 | 2 300 | 2 150 | | |
| 32 | 1 800 | 2 250 | 32 | 1 900 | 2 150 | | |
| 34 | 1 500 | 1 850 | 34 | 1 550 | 2 050 | | |
| 36 | 1 200 | 1 550 | 36 | 1 250 | 1 750 | | |
| 38 | 950 | 1 300 | 38 | 1 000 | 1 450 | | |
| 40 | 700 | 1 050 | 40 | 750 | 1 150 | | |
| 42 | 500 | 800 | 42 | | 900 | | |
| 44 | | 600 | 44 | | 700 | | |
| 46 | | 450 | 46 | | 500 | | |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.

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| | 5 216kg Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Kilograms) | | | | | | | | | | | | |
|--------|---|----------------|-------|---|-------|-------|-------|--|--|--|--|--|--|
| | 42.67m Main 2° Fly | | | 42.67m Main Boom Length 15° Fly Offset | | | | | | | | | |
| Radius | | Fly Length (m) | | Radius | | | | | | | | | |
| (ft) | 10.67 | 17.68 | 22.56 | (ft) | 10.67 | 17.68 | 22.56 | | | | | | |
| 12 | 5 500 | | | 12 | | | | | | | | | |
| 14 | 5 500 | 3 850 | | 14 | 5 200 | | | | | | | | |
| 16 | 5 500 | 3 750 | 3 000 | 16 | 5 100 | | | | | | | | |
| 18 | 5 500 | 3 700 | 3 000 | 18 | 5 000 | 3 300 | | | | | | | |
| 20 | 5 200 | 3 600 | 3 000 | 20 | 4 900 | 3 150 | 2 850 | | | | | | |
| 22 | 4 300 | 3 500 | 3 000 | 22 | 4 600 | 3 050 | 2 650 | | | | | | |
| 24 | 3 600 | 3 400 | 2 950 | 24 | 3 850 | 2 950 | 2 450 | | | | | | |
| 26 | 3 000 | 3 200 | 2 700 | 26 | 3 250 | 2 850 | 2 300 | | | | | | |
| 28 | 2 500 | 2 700 | 2 550 | 28 | 2 750 | 2 750 | 2 150 | | | | | | |
| 30 | 2 100 | 2 300 | 2 250 | 30 | 2 300 | 2 600 | 2 050 | | | | | | |
| 32 | 1 750 | 1 950 | 1 900 | 32 | 1 900 | 2 200 | 1 900 | | | | | | |
| 34 | 1 450 | 1 600 | 1 600 | 34 | 1 600 | 1 850 | 1 800 | | | | | | |
| 36 | 1 150 | 1 350 | 1 300 | 36 | 1 300 | 1 550 | 1 500 | | | | | | |
| 38 | 950 | 1 100 | 1 050 | 38 | 1 050 | 1 300 | 1 250 | | | | | | |
| 40 | 700 | 900 | 850 | 40 | 800 | 1 050 | 1 000 | | | | | | |
| 42 | 550 | 700 | 650 | 42 | 600 | 850 | 800 | | | | | | |
| 44 | 350 | 500 | 450 | 44 | 450 | 650 | 600 | | | | | | |
| 46 | | | | 46 | | 500 | 450 | | | | | | |

| | 42.67m Main 30° Fly | | | 42.67m Main Boom Length 45° Fly Offset | | | | | |
|--------|------------------------|----------------|-------|---|----------------|-------|-------|--|--|
| Radius | | Fly Length (m) | | Radius | Fly Length (m) | | | | |
| (ft) | 10.67 | 17.68 | 22.56 | (ft) | 10.67 | 17.68 | 22.56 | | |
| 18 | 4 450 | | | 18 | | | | | |
| 20 | 4 350 | | | 20 | 3 950 | | | | |
| 22 | 4 300 | | | 22 | 3 950 | | | | |
| 24 | 4 150 | 2 550 | 2 050 | 24 | 3 900 | | | | |
| 26 | 3 500 | 2 500 | 1 900 | 26 | 3 650 | 2 250 | 1 650 | | |
| 28 | 2 950 | 2 400 | 1 800 | 28 | 3 100 | 2 200 | 1 550 | | |
| 30 | 2 450 | 2 350 | 1 700 | 30 | 2 600 | 2 150 | 1 500 | | |
| 32 | 2 050 | 2 300 | 1 600 | 32 | 2 200 | 2 150 | 1 450 | | |
| 34 | 1 750 | 2 100 | 1 550 | 34 | 1 800 | 2 100 | 1 400 | | |
| 36 | 1 400 | 1 800 | 1 500 | 36 | 1 500 | 1 950 | 1 350 | | |
| 38 | 1 150 | 1 500 | 1 400 | 38 | 1 200 | 1 650 | 1 300 | | |
| 40 | 900 | 1 250 | 1 200 | 40 | 950 | 1 350 | 1 250 | | |
| 42 | 700 | 1 000 | 1 000 | 42 | | 1 100 | 1 100 | | |
| 44 | 500 | 800 | 800 | 44 | | 900 | 900 | | |
| 46 | | 600 | 600 | 46 | | 650 | 700 | | |
| 48 | | 450 | 400 | 48 | | 450 | 500 | | |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.

| | 14 742kg Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Kilograms) | | | | | | | | | | | | |
|--------|--|----------------------------|--------|-------|---|-------|-----------------------|-------|-------|--|--|--|--|
| | 42.67 m | Main Boom 2° Fly Offset | Length | | 42.67m Main Boom Length 15° Fly Offset | | | | | | | | |
| Radius | | | | | | | Radius Fly Length (m) | | | | | | |
| (ft) | 10.67 | 17.68 | 22.56 | 27.43 | (ft) | 10.67 | 17.68 | 22.56 | 27.43 | | | | |
| 12 | 5 500 | | | | 12 | | | | | | | | |
| 14 | 5 500 | 3 850 | | | 14 | 5 200 | | | | | | | |
| 16 | 5 500 | 3 750 | 3 000 | | 16 | 5 100 | | | | | | | |
| 18 | 5 500 | 3 700 | 3 000 | 2 350 | 18 | 5 000 | 3 300 | | | | | | |
| 20 | 5 400 | 3 600 | 3 000 | 2 350 | 20 | 4 900 | 3 150 | 2 850 | | | | | |
| 22 | 5 300 | 3 500 | 3 000 | 2 350 | 22 | 4 750 | 3 050 | 2 650 | 2 100 | | | | |
| 24 | 5 150 | 3 400 | 2 950 | 2 200 | 24 | 4 650 | 2 950 | 2 450 | 1 950 | | | | |
| 26 | 5 000 | 3 300 | 2 700 | 2 050 | 26 | 4 550 | 2 850 | 2 300 | 1 800 | | | | |
| 28 | 4 550 | 3 200 | 2 550 | 1 850 | 28 | 4 350 | 2 750 | 2 150 | 1 650 | | | | |
| 30 | 4 000 | 3 100 | 2 350 | 1 750 | 30 | 4 150 | 2 700 | 2 050 | 1 550 | | | | |
| 32 | 3 500 | 2 950 | 2 200 | 1 600 | 32 | 3 650 | 2 600 | 1 900 | 1 400 | | | | |
| 34 | 3 100 | 2 800 | 2 100 | 1 500 | 34 | 3 250 | 2 550 | 1 800 | 1 300 | | | | |
| 36 | 2 750 | 2 650 | 1 950 | 1 400 | 36 | 2 850 | 2 400 | 1 700 | 1 250 | | | | |
| 38 | 2 400 | 2 550 | 1 850 | 1 300 | 38 | 2 500 | 2 300 | 1 650 | 1 150 | | | | |
| 40 | 2 100 | 2 300 | 1 750 | 1 200 | 40 | 2 200 | 2 200 | 1 550 | 1 050 | | | | |
| 42 | 1 850 | 2 000 | 1 650 | 1 100 | 42 | 1 950 | 2 100 | 1 500 | 1 000 | | | | |
| 44 | 1 650 | 1 800 | 1 600 | 1 050 | 44 | 1 700 | 1 950 | 1 400 | 950 | | | | |
| 46 | 1 450 | 1 550 | 1 500 | 1 000 | 46 | 1 500 | 1 700 | 1 350 | 900 | | | | |
| 48 | 1 250 | 1 400 | 1 300 | 900 | 48 | 1 300 | 1 500 | 1 300 | 850 | | | | |
| 50 | 1 100 | 1 200 | 1 150 | 850 | 50 | 1 100 | 1 300 | 1 250 | 800 | | | | |
| 52 | | 1 050 | 1 000 | 800 | 52 | | 1 100 | 1 050 | 750 | | | | |
| 54 | | 900 | 850 | 800 | 54 | | 950 | 900 | 700 | | | | |
| 56 | | 750 | 700 | 700 | 56 | | 800 | 750 | 700 | | | | |
| 58 | | | 550 | 500 | 58 | | | 600 | 600 | | | | |
| 60 | | | 400 | | 60 | | | 450 | 450 | | | | |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.



| | 14 742kg Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Kilograms) | | | | | | | | | | | | |
|--------|--|------------------------------|---------|---------------|---|-------|-------|-------|-------|--|--|--|--|
| | | ı Main Boom 30° Fly Offse | Length | Submice Are I | 42.67m Main Boom Length 45° Fly Offset | | | | | | | | |
| Radius | | Fly Len | gth (m) | | Radius Fly Length (m) | | | | | | | | |
| (ft) | 10.67 | 17.68 | 22.56 | 27.43 | (ft) | 10.67 | 17.68 | 22.56 | 27.43 | | | | |
| 18 | 4 450 | | | | 18 | | | | | | | | |
| 20 | 4 350 | | | | 20 | 3 950 | | | | | | | |
| 22 | 4 300 | | | | 22 | 3 950 | | | | | | | |
| 24 | 4 200 | 2 550 | 2 050 | 1 650 | 24 | 3 900 | | | | | | | |
| 26 | 4 150 | 2 500 | 1 900 | 1 550 | 26 | 3 900 | 2 250 | 1 650 | | | | | |
| 28 | 4 050 | 2 400 | 1 800 | 1 400 | 28 | 3 850 | 2 200 | 1 550 | 1 250 | | | | |
| 30 | 3 900 | 2 350 | 1 700 | 1 300 | 30 | 3 750 | 2 150 | 1 500 | 1 200 | | | | |
| 32 | 3 700 | 2 300 | 1 600 | 1 250 | 32 | 3 600 | 2 150 | 1 450 | 1 100 | | | | |
| 34 | 3 350 | 2 250 | 1 550 | 1 150 | 34 | 3 450 | 2 100 | 1 400 | 1 050 | | | | |
| 36 | 2 950 | 2 200 | 1 500 | 1 050 | 36 | 3 050 | 2 100 | 1 350 | 950 | | | | |
| 38 | 2 600 | 2 150 | 1 400 | 1 000 | 38 | 2 650 | 2 050 | 1 300 | 900 | | | | |
| 40 | 2 300 | 2 050 | 1 350 | 950 | 40 | 2 350 | 1 950 | 1 250 | 850 | | | | |
| 42 | 2 000 | 1 950 | 1 300 | 900 | 42 | 2 050 | 1 900 | 1 200 | 800 | | | | |
| 44 | 1 750 | 1 900 | 1 250 | 850 | 44 | | 1 850 | 1 150 | 750 | | | | |
| 46 | 1 500 | 1 800 | 1 200 | 800 | 46 | | 1 800 | 1 150 | 750 | | | | |
| 48 | | 1 600 | 1 200 | 750 | 48 | | 1 600 | 1 150 | 700 | | | | |
| 50 | | 1 400 | 1 150 | 700 | 50 | | | 1 100 | 650 | | | | |
| 52 | | 1 200 | 1 150 | 650 | 52 | | | 1 100 | 650 | | | | |
| 54 | | 1 000 | 1 000 | 650 | 54 | | | | 600 | | | | |
| 56 | | | 800 | 600 | 56 | | | | 600 | | | | |
| 58 | | | 650 | 600 | 58 | | | | 600 | | | | |
| 60 | | | | 550 | 60 | | | | | | | | |
| 62 | | | | 350 | 62 | | | | | | | | |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.

5460 (supersedes 5424) - 0506 - N3

| | 17 917kg Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Kilograms) | | | | | | | | | | | | |
|--------|--|------------------------------|---------|-------|---|----------------|-------|-------|-------|--|--|--|--|
| | | n Main Boom 2° Fly Offset | | | 42.67m Main Boom Length 15° Fly Offset | | | | | | | | |
| Radius | | Fly Len | gth (m) | | Radius | Fly Length (m) | | | | | | | |
| (ft) | 10.67 | 17.68 | 22.56 | 27.43 | (ft) | 10.67 | 17.68 | 22.56 | 27.43 | | | | |
| 12 | 5 500 | | | | 12 | | | | | | | | |
| 14 | 5 500 | 3 850 | | | 14 | 5 200 | | | | | | | |
| 16 | 5 500 | 3 750 | 3 000 | | 16 | 5 100 | | | | | | | |
| 18 | 5 500 | 3 700 | 3 000 | 2 350 | 18 | 5 000 | 3 300 | | | | | | |
| 20 | 5 400 | 3 600 | 3 000 | 2 350 | 20 | 4 900 | 3 150 | 2 850 | | | | | |
| 22 | 5 300 | 3 500 | 3 000 | 2 350 | 22 | 4 750 | 3 050 | 2 650 | 2 100 | | | | |
| 24 | 5 150 | 3 400 | 2 950 | 2 200 | 24 | 4 650 | 2 950 | 2 450 | 1 950 | | | | |
| 26 | 5 000 | 3 300 | 2 700 | 2 050 | 26 | 4 550 | 2 850 | 2 300 | 1 800 | | | | |
| 28 | 4 700 | 3 200 | 2 550 | 1 850 | 28 | 4 350 | 2 750 | 2 150 | 1 650 | | | | |
| 30 | 4 450 | 3 100 | 2 350 | 1 750 | 30 | 4 150 | 2 700 | 2 050 | 1 550 | | | | |
| 32 | 4 050 | 2 950 | 2 200 | 1 600 | 32 | 3 950 | 2 600 | 1 900 | 1 400 | | | | |
| 34 | 3 600 | 2 800 | 2 100 | 1 500 | 34 | 3 750 | 2 550 | 1 800 | 1 300 | | | | |
| 36 | 3 200 | 2 650 | 1 950 | 1 400 | 36 | 3 300 | 2 400 | 1 700 | 1 250 | | | | |
| 38 | 2 850 | 2 550 | 1 850 | 1 300 | 38 | 2 950 | 2 300 | 1 650 | 1 150 | | | | |
| 40 | 2 550 | 2 400 | 1 750 | 1 200 | 40 | 2 650 | 2 200 | 1 550 | 1 050 | | | | |
| 42 | 2 250 | 2 300 | 1 650 | 1 100 | 42 | 2 350 | 2 100 | 1 500 | 1 000 | | | | |
| 44 | 2 000 | 2 150 | 1 600 | 1 050 | 44 | 2 100 | 2 000 | 1 400 | 950 | | | | |
| 46 | 1 800 | 1 950 | 1 500 | 1 000 | 46 | 1 850 | 1 950 | 1 350 | 900 | | | | |
| 48 | 1 600 | 1 700 | 1 450 | 900 | 48 | 1 650 | 1 850 | 1 300 | 850 | | | | |
| 50 | 1 400 | 1 550 | 1 400 | 850 | 50 | 1 450 | 1 650 | 1 250 | 800 | | | | |
| 52 | | 1 350 | 1 300 | 800 | 52 | | 1 450 | 1 250 | 750 | | | | |
| 54 | | 1 200 | 1 150 | 800 | 54 | | 1 250 | 1 200 | 700 | | | | |
| 56 | | 1 050 | 1 000 | 750 | 56 | | 1 100 | 1 050 | 700 | | | | |
| 58 | | | 850 | 700 | 58 | | | 900 | 650 | | | | |
| 60 | | | 700 | 700 | 60 | | | 750 | 650 | | | | |
| 62 | | | 550 | 550 | 62 | | | 600 | 600 | | | | |
| 64 | | | | 400 | 64 | | | | 450 | | | | |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.

| | 17 917kg Counterweight – Fully Extended Outriggers – 360° Rotation (All Capacities Are Listed In Kilograms) | | | | | | | | | | | | |
|--------|--|----------------------------|-------------|-------|---|-------|----------|-------|-------|--|--|--|--|
| | 42.67m | Main Boom 30° Fly Offse | Length t | | 42.67m Main Boom Length 45° Fly Offset | | | | | | | | |
| Radius | | Fly Len | gth (m) | | Radius | | igth (m) | m) | | | | | |
| (ft) | 10.67 | 17.68 | 22.56 | 27.43 | (ft) | 10.67 | 17.68 | 22.56 | 27.43 | | | | |
| 18 | 4 450 | | | | 18 | | | | | | | | |
| 20 | 4 350 | | | | 20 | 3 950 | | | | | | | |
| 22 | 4 300 | | | | 22 | 3 950 | | | | | | | |
| 24 | 4 200 | 2 550 | 2 050 | 1 650 | 24 | 3 900 | | | | | | | |
| 26 | 4 150 | 2 500 | 1 900 | 1 550 | 26 | 3 900 | 2 250 | 1 650 | | | | | |
| 28 | 4 050 | 2 400 | 1 800 | 1 400 | 28 | 3 850 | 2 200 | 1 550 | 1 250 | | | | |
| 30 | 3 900 | 2 350 | 1 700 | 1 300 | 30 | 3 750 | 2 150 | 1 500 | 1 200 | | | | |
| 32 | 3 700 | 2 300 | 1 600 | 1 250 | 32 | 3 600 | 2 150 | 1 450 | 1 100 | | | | |
| 34 | 3 550 | 2 250 | 1 550 | 1 150 | 34 | 3 500 | 2 100 | 1 400 | 1 050 | | | | |
| 36 | 3 450 | 2 200 | 1 500 | 1 050 | 36 | 3 400 | 2 100 | 1 350 | 950 | | | | |
| 38 | 3 050 | 2 150 | 1 400 | 1 000 | 38 | 3 100 | 2 050 | 1 300 | 900 | | | | |
| 40 | 2 700 | 2 050 | 1 350 | 950 | 40 | 2 750 | 1 950 | 1 250 | 850 | | | | |
| 42 | 2 400 | 1 950 | 1 300 | 900 | 42 | 2 450 | 1 900 | 1 200 | 800 | | | | |
| 44 | 2 150 | 1 900 | 1 250 | 850 | 44 | | 1 850 | 1 150 | 750 | | | | |
| 46 | 1 900 | 1 850 | 1 200 | 800 | 46 | | 1 800 | 1 150 | 750 | | | | |
| 48 | | 1 800 | 1 200 | 750 | 48 | | 1 800 | 1 150 | 700 | | | | |
| 50 | | 1 700 | 1 150 | 700 | 50 | | 1 700 | 1 100 | 650 | | | | |
| 52 | | 1 500 | 1 150 | 650 | 52 | | | 1 100 | 650 | | | | |
| 54 | | 1 300 | 1 100 | 650 | 54 | | | | 600 | | | | |
| 56 | | | 1 100 | 600 | 56 | | | | 600 | | | | |
| 58 | | | 950 | 600 | 58 | | | | 600 | | | | |
| 60 | | | | 600 | 60 | | | | | | | | |
| 62 | | | | 600 | 62 | | | | | | | | |
| 64 | | | | 450 | 64 | | | | | | | | |

This information is not for crane operation. Operator must refer to the in-cab information for crane operation. Rated lifting capacities shown on fully extended outriggers do not exceed 75% of the tipping loads and on tires do not exceed 65% of the tipping loads.



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