

SPR 64 Workcrane

ON & OFF THE ROAD OR RAIL —
REACHING NEW HEIGHTS
AND WORKING HARDER THAN EVER.



LITTLE*Giant*

For more than a half-century, the Little Giant Corporation has been a name synonymous

with the railroad industry in producing hydraulic track cranes, rail dedicated cranes, truck mounted cranes and rough terrain material handlers. Little Giant cranes are working every day in every corner of the world and are known for their ease of maintenance and cost-effective design.



217 Patneau Drive
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SPR 64 Workcrane

SPECIFICATIONS

The big brother to the SPR48 is the SPR64 Workcrane.

This 100% rail-dedicated beast is the ultimate rail machine for craning, magnet work, clamshell digging, or just moving materials. Built for durable, heavy-duty use, this dependable rail crane works in all railroad situations - worldwide! *The Little Giant SPR64 Workcrane is built on history, and now built for the future!*

- All components are recently updated, including Tier 3 Engine, heavy-duty reinforced steel and welds.
- FRA compliant with all the required safety features, paint schemes and equipment.
- Little Giant custom manufactures this machine in multiple configurations and various options.

UPPER SPECIFICATIONS

ENGINE

- Cummins QSB-6.7-Tier 3
- 240 HP (179kw) @ 2,500 RPM
- 728 lb/ft torque (987Nm) @ 1,500 RPM

ELECTRICAL

12 Volt with 100 Amp Alternator, Heavy Duty Battery, Accessories, Operator Indicators, and Emergency Hydraulic Pump

MASTER CLUTCH

Disconnect Clutch for Cold Weather Starting

HYDRAULIC SYSTEM

A Triple Pad Pump Drive Operates Two Variable Displacement, Hydrostatically

Controlled Pumps and a Multi-Section Rotary Gear Pump to Power Crane Functions

TURNTABLE

Ball Bearing, Single Row, Bolted to Upper Structure and Carrier for Easy Removal

CONTROLS

Air, Proportional Pressure Control, Adjustable for Self-Centering or Lock-In Operation

THROTTLE

Variable Speed, Hand/Foot Throttle

SWING SPEED

5 RPM

LINE SPEED

180 FPM

LINE PULL

13,000 lbs. with 12" Drum

DRUM CLUTCHES

Two Shoe, Internal Expanding, Self-Adjusting, Air Operated, 21-3/4" Dia. x 3-1/2" Wide

DRUM BRAKES

Two Band, External Contracting, Cable Operated, 25" Dia. x 4" Wide

POWER LOAD LOWERING

Both Drums

BOOM HOIST

Power Up, Power Down, Independent of ALL Other Functions

STANDARD FEATURES

Free Fall Winch, Telescopic Boom Backstops, Automatic Boom Hoist Kickout, Boom Angle Indicator, Pendant Cable Suspension, Signal Horn, Tool Box, Fire Extinguisher, Triple Sheave Boom Point, Anti-Two Block Warning

OPTIONAL

Third Drum, Boom Point Fairlead, Magnet Equipment, Crane Hook Readout Systems, Train Air Supply, Car Dump System, Hydraulic Out & Down Outriggers

CARRIER SPECIFICATIONS

OPERATING WEIGHT

95,000 lbs.

DRAWBAR PULL

18,000 lbs.

TRAVEL DRIVE

A Variable Displacement Hydraulic Motor Provides Power through a Power Shift, Three-Speed, Full Reversing Transmission to both Axles. Axles are Right Angle, Shaft Mounted, Railway Speed Reducers with Torque Arm Mounts. Axles also have Pneumatic Towing Disconnects for In-Train Towing. Rail Speed when not being towed Infinitely Variable to 28 MPH Maximum.

FRAME

18" x 71# Wide Flange Beam Construction with 1-1/2" End Plates

AXLE

28" MW Wheel with AAR Standard 6x11 Bearings and AAR Type Brakes with Straight and Automatic Control

SUSPENSION

Rubber Springs - All Rubber Suspension

COUPLER

Type 'E' Automatic Engine Coupler ADF Pattern BE64 (AAR Standard) Spring Loaded

All specifications are subject to change.



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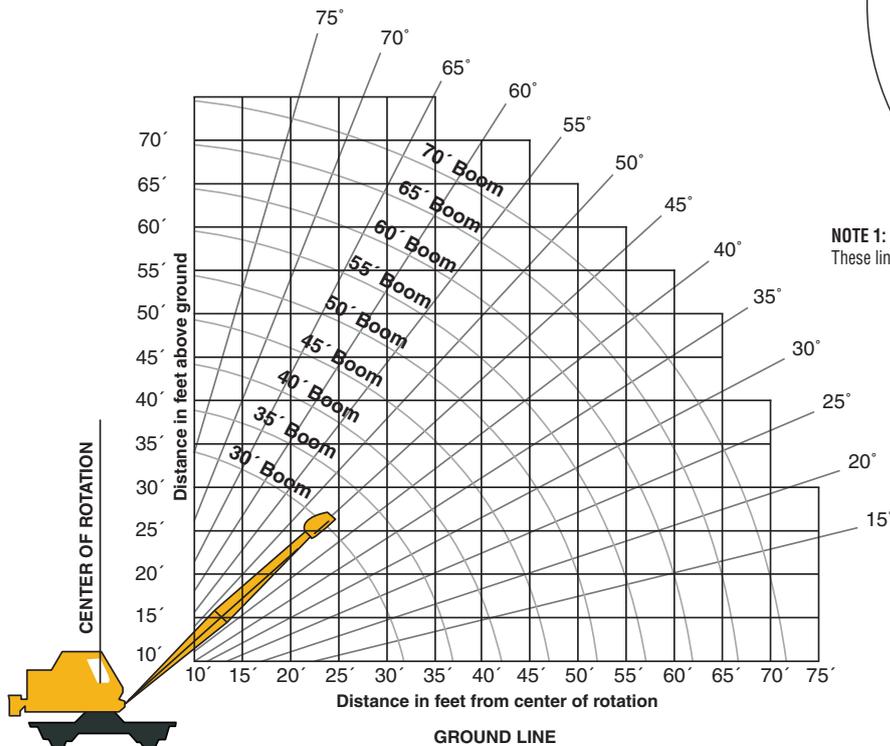
SPR 64 Workcrane

LOAD CHARTS

SPR 64 LOAD CHART

| LENGTH FT. | RADIUS FT. | ANGLE ° | Over End Between Rails | 360° on Rails | 360° on Outriggers 8' Stance | 360° on Outriggers 12' Stance |
|------------|------------|---------|------------------------|---------------|------------------------------|-------------------------------|
| 30' | 10 | 75 | 50,000 | 35200 | 50000 | 50,000 |
| | 15 | 66 | 50,000 | 20900 | 31700 | 50,000 |
| | 20 | 64 | 38600 | 14400 | 21300 | 30600 |
| | 25 | 41 | 30300 | 10300 | 15900 | 21500 |
| | 30 | 23 | 20100 | 8,600 | 12500 | 18600 |
| 35' | 12 | 74 | 50,000 | 35100 | 50000 | 50,000 |
| | 15 | 69 | 50000 | 28,700 | 31600 | 50,000 |
| | 20 | 59 | 38,200 | 14300 | 21200 | 30700 |
| | 25 | 50 | 30,200 | 10,200 | 16800 | 21400 |
| | 30 | 38 | 25600 | 8400 | 12400 | 18500 |
| 40' | 15 | 71 | 50,000 | 20500 | 31500 | 50,000 |
| | 20 | 64 | 37300 | 14100 | 21100 | 30700 |
| | 25 | 55 | 30100 | 10200 | 15700 | 21400 |
| | 30 | 46 | 25500 | 8400 | 12300 | 18400 |
| | 35 | 35 | 19800 | 6600 | 10100 | 13100 |
| 45' | 15 | 74 | 49000 | 20300 | 31400 | 44000 |
| | 20 | 67 | 36300 | 13900 | 21000 | 30500 |
| | 25 | 60 | 30000 | 10000 | 15500 | 21100 |
| | 30 | 52 | 25400 | 8100 | 12200 | 18200 |
| | 35 | 43 | 19700 | 6400 | 9900 | 12900 |
| 50' | 15 | 76 | 47600 | 20000 | 31300 | 42500 |
| | 20 | 69 | 35300 | 13500 | 20900 | 30300 |
| | 25 | 63 | 29500 | 9700 | 15500 | 21000 |
| | 30 | 56 | 22500 | 7800 | 12100 | 18000 |
| | 35 | 49 | 19000 | 6100 | 9800 | 12700 |
| 50' | 40 | 41 | 14400 | 4900 | 8200 | 11500 |
| | 45 | 31 | 12200 | 3900 | 8900 | 9500 |
| | 50 | 17 | 10300 | 3100 | 6000 | 8000 |

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1. All operators and support personnel shall read and fully understand manufacturer furnished operator's manual, the latest applicable American National Standards Institute (ANSI) Safety Standards for Cranes, and any applicable federal, state, or local safety regulations before operating machine. Crane and load ratings comply with ANSI and Power Crane & Shovel Association (PCSA) Standards.

2. ALL "ON OUTRIGGER" lifts shall be made with outrigger beams retracted (8' stance) or fully extended (12' stance) and jacks extended to support and level machine.

3. Underlined load ratings are based on machine's structural strength. All other ratings do not exceed 85% of tipping load on rail, or 80% of tipping on outriggers with machine stable on firm ground.

4. **DO NOT EXCEED** crane load ratings. When load radius or boom angle are between listed values, use the smaller load ratings. **DO NOT ATTEMPT TO TIP MACHINE TO DETERMINE ALLOWABLE LOADS.**

5. Weight of hook blocks, buckets, slings, and all other load handling devices are not accounted for in the load chart. The load handling device must be considered as part of the load.

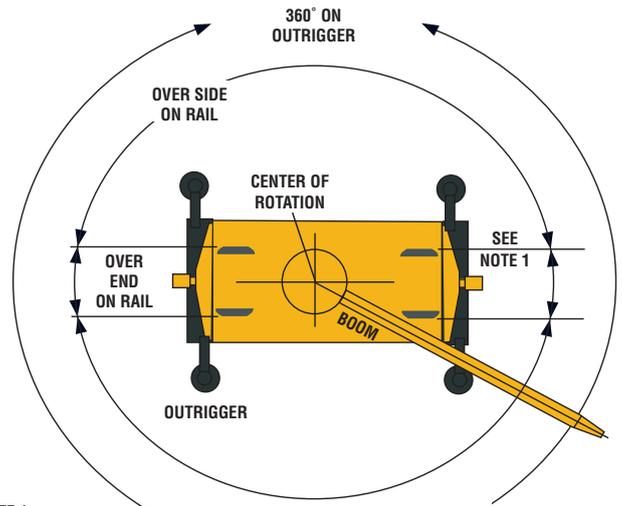
6. Reduce ratings appropriately for wind conditions, speed of operation, soft or uneven supporting surfaces, etc.

7. Load ratings apply to this machine **ONLY** as originally manufactured and equipped. Unauthorized modification or optional equipment may reduce load capacity. Please consult **LITTLE GIANT before** modification or use of optional equipment not covered on this chart.

8. These load ratings are for lift service only. Consult & adhere to appropriate load ratings chart for other applications (*clamshell, dragline, magnet, etc.*)

WIRE ROPE RECOMMENDATIONS: *5/8-6X19 Extra Improved Plowsteel IWRC Wire Rope

| PARTS OF LINE | 1 | 2 | 3 | 4 | 5 | 6 |
|----------------|--------|--------|--------|--------|--------|--------|
| MAX. HOOK LOAD | 10,000 | 20,000 | 30,000 | 40,000 | 50,500 | 60,000 |



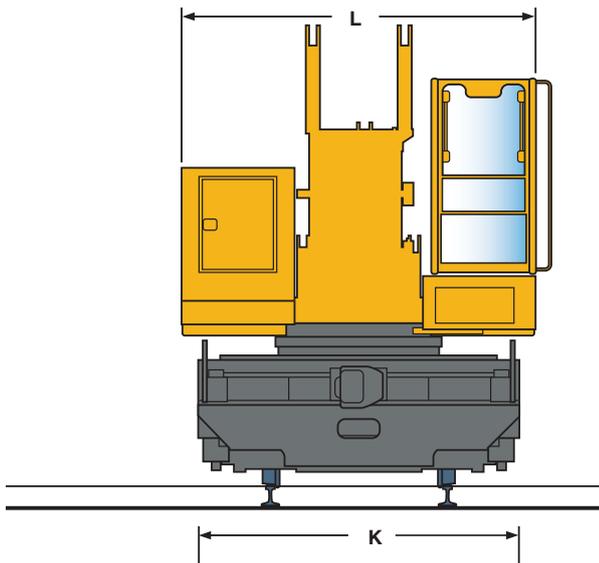
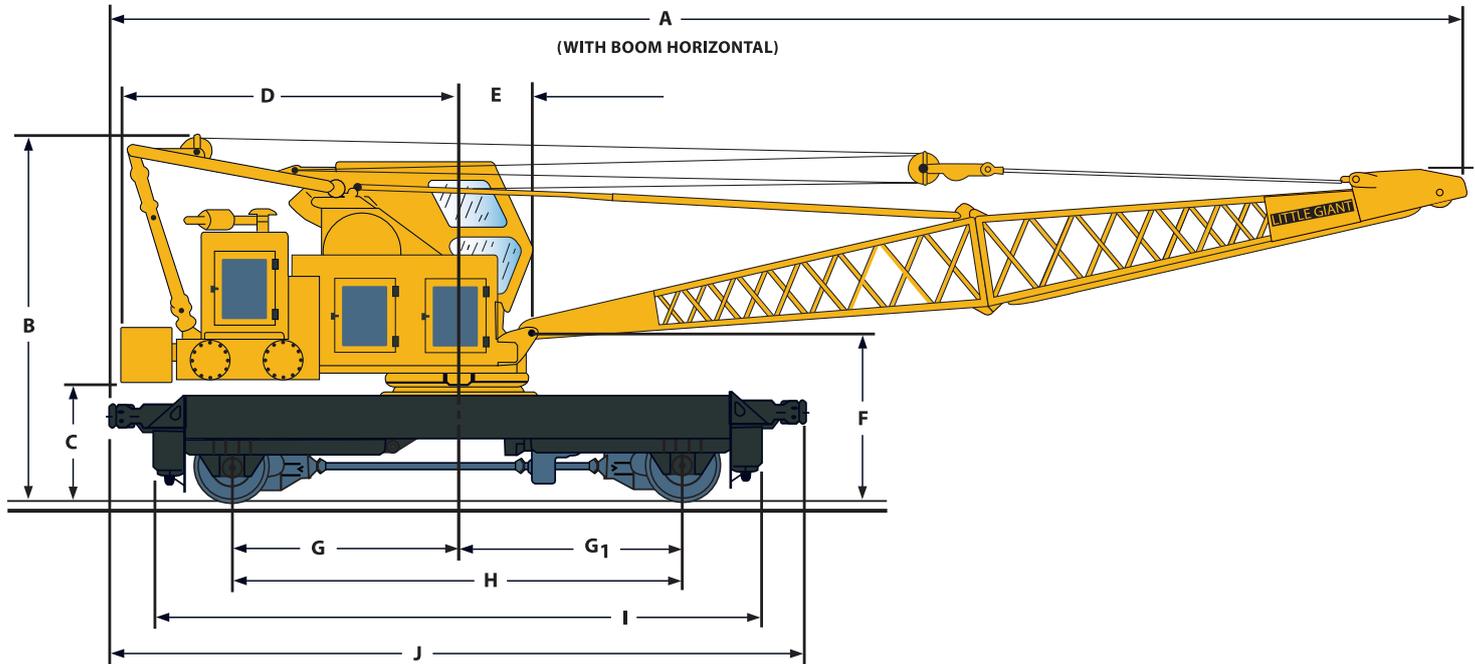
NOTE 1: These lines determine the limiting position of any load for operation within indicated working areas.



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DIMENSIONS



| Description | U.S. | Metric |
|-------------------------------------------------------|--------------|-----------|
| A Overall Length with 30' Boom | 43' 0" | 13.10m |
| B Maximum Height Above Rail (Gantry Up) | 15' 1" | 4.60m |
| C Rail to Counterweight | 3' 11" | 1.19m |
| D Maximum Swing Clearance | 10' 10" | 3.30m |
| E Boom Foot Pin to Center of Rotation | 2' 3" | 0.69m |
| F Rail to Boom Foot Pin | 5' 6" | 1.68m |
| G Rear Axle to Center of Rotation | 7' 4" | 2.23m |
| G₁ Front Axle to Center of Rotation | 7' 4" | 2.23m |
| H Wheelbase | 14' 8" | 4.47m |
| I Carrier Length | 21' 0" | 6.40m |
| J Carrier Length with Car Couplers | 24' 0" | 7.32m |
| K Carrier Width | 9' 0" | 2.74m |
| L Overall Width for Travel | 10' 5" | 3.17m |
| M Operating Weight | *95,000 lbs. | *43091 kg |

* Estimated Operating Weight

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OPTIONS FOR MODEL SPR 64 WORKCRANE

Model SPR 64 Rail Dedicated 25-Ton Crane with 240 HP Cummins QSB-6.7-Tier 3 Engine

- 5' Boom Extension with Pendant Cables
- 10' Boom Extension with Pendant Cables
- 20' Boom Extension with Pendant Cables
- Full Revolving Fairlead
- Boom Tip Fairlead
- LSI Load Moment System
- A-2-B Load Moment System
- Drum Rotation Indicators (both drums)
- Anti-Vandal Kit for Carrier and Upper
- 10-Ton Hook Block
- 25-Ton Hook Block
- 3rd Drum Winch (hydraulic drive)
- Air Conditioner - Upper Cab
- Outrigger - Out and Down Cab Controlled
- Tagline - Single Barrel
- Electro-magnet 10KW Generator w/Tagline and Controls
- 40' Magnet
- 1/2 Yard Dragline Bucket
- 3/4 Yard Dragline Bucket
- Air Car Dump



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NOTE: For clamshell and dragline applications you will need to order a revolving fairlead, boom tip fairlead, and a tagline.