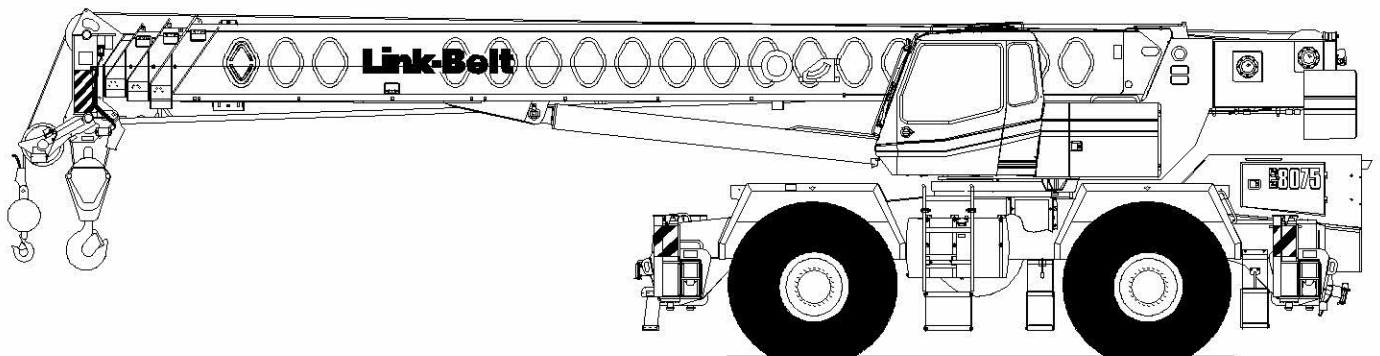


# Technical Data

## Specifications & Capacities

# RTC 8075

Telescopic Boom Rough Terrain Crane  
75 ton (68.0 metric ton)



**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.



# Table Of Contents

<b>Boom, Attachments, and Upper Structure</b> .....	<b>1</b>
Boom .....	1
Boom Head .....	1
Boom Elevation .....	1
Auxiliary Lifting Sheave – Optional .....	1
Hook Blocks and Balls – Optional .....	1
Fly – Optional .....	1
Operator’s Cab and Controls .....	1
Swing .....	2
Electrical .....	2
Load Hoist System .....	3
Load Hoist Performance .....	3
2M Main and Optional Auxiliary Winches .....	3
Hydraulic System .....	3
Counterweight .....	3
<b>Carrier</b> .....	<b>4</b>
General .....	4
Outriggers .....	4
Steering and Axles .....	4
Suspension .....	4
Tires and Wheels .....	4
Brakes .....	4
Electrical .....	4
Engine .....	4
Transmission .....	4
Carrier Speeds and Gradeability .....	5
Fuel Tank .....	5
Hydraulic System .....	5
Pump Drive .....	5
<b>Axle Loads</b> .....	<b>6</b>
<b>General Dimensions</b> .....	<b>7</b>
<b>Working Range Diagram</b> .....	<b>8</b>
<b>Boom Extend Modes</b> .....	<b>9</b>
<b>Main Boom Lift Capacity Charts – Standard</b> .....	<b>10</b>
15,000 lb Counterweight – Fully Extended Outriggers – 360° Rotation .....	10
15,000 lb Counterweight – On Tires – Stationary – Boom Centered Over Front Between Tire Tracks .....	11
15,000 lb Counterweight – On Tires – Pick & Carry (1 mph) – Boom Centered Over Front .....	11
15,000 lb Counterweight – On Tires – Stationary – 360° Rotation .....	11
<b>Fly Attachment Lift Capacity Charts – Optional</b> .....	<b>12</b>
15,000 lb Counterweight – Fully Extended Outriggers – 360° Rotation .....	12
127 ft Main Boom Length – 2° Fly Offset .....	12
127 ft Main Boom Length – 20° Fly Offset .....	12
127 ft Main Boom Length – 40° Fly Offset .....	12

<b>Main Boom Lift Capacity Charts – Optional (Metric)</b> .....	<b>13</b>
6 804kg Counterweight – Fully Extended Outriggers – 360° Rotation .....	13
6 804kg Counterweight – On Tires – Stationary – Boom Centered Over Front Between Tire Tracks .	14
6 804kg Counterweight – On Tires – Pick & Carry (1.6km/h) – Boom Centered Over Front .....	14
6 804kg Counterweight – On Tires – Stationary – 360° Rotation .....	15
<b>Fly Attachment Lift Capacity Charts – Optional (Metric)</b> .....	<b>15</b>
6 804kg Counterweight – Fully Extended Outriggers – 360° Rotation .....	15
38.71m Main Boom Length – 2° Fly Offset .....	15
38.71m Main Boom Length – 20° Fly Offset .....	15
38.71m Main Boom Length – 40° Fly Offset .....	15

