Global Leaders in Specialized Lifting Equipment!

68 TONNE TWINLIFT
by
LIFT SYSTEMS, INC.
**TWINLIFT**

**68 TONNE**

**STANDARD EQUIPMENT**

**ENGINE:**
Cummins Diesel Engine: QSB3.3P
81 kW (108 hp) intermittent @ 2200 rpm
U.S. EPA Tier 3
CARB Tier 3
EU Stage III
Torque @ 1600 rpm, 415 N-m (306 ft-lbs)

**PUMP:**
Sundstrand 90 series drive pump

**CONTROL SYSTEM:**
CARL (Computer Assisted Remote Lifting) Control System.
Monitors Boom Angle, Boom Extension, Pressure,
Counterweight Load Pin. Automatic Shutdown for overload conditions. Large easy to read display screen with push button navigation and dial adjustment.

**CONTROLS:**
Separate controls for each function.
Combination of foot pedal, joystick, and push button controls allows for multiple functions to be performed at the same time.

**DRIVE:**
Poclain MK35 drive motors (qty. 3)
(2) in front, (1) in rear steering box.

**WHEELS:**
Front: qty. (4)
Diameter: 711 mm
Width: (2) @ 406 mm and (2) @ 254 mm

Rear: qty. (2)
Diameter: 711 mm
Width: 406 mm

Replaceable polyurethane composition

**STEERING:**
90 degree steering of rear wheels.

**OSCILLATING REAR STEERING BOX:**
Keeps all steering wheels in contact with ground.

**GRADABILITY:**
Unloaded maximum grade is 20%
Loaded maximum grade is 10%

**GROUND BEARING PRESSURE:**
Loaded Front Tires: 25.3 kg/cm^2 maximum
Unloaded Rear Tires: 30.9 kg/cm^2 maximum

**TRAVEL SPEED UNLOADED:**
Travel Mode - High Gear = 0.0 to 2.73 km/h
Travel Mode - Low Gear = 0.0 to 1.38 km/h
Work Mode - Low Gear = 0.0 to 0.67 km/h

**TELESCOPING COUNTERWEIGHT:**
Standard counterweight section telescopes 1524 mm using (2) hydraulic cylinders. Push button control.

**LIFTING EYES:**
Qty. (1) centrally located on boom with 68 tonne capacity
Qty. (2) located on corners of boom with 34 tonne capacity each

**WINCH MOUNT:**
Standard mount for optional winch

**WEIGHT:**
21,775 kg (48,000 lbs.)
Standard “A” counterweight included

**COUNTERWEIGHTS:**
“A” - non-removable counterweight installed in unit
“B” - qty. (2) - 3,311 kg each. - 6,622 kg total
“C” - qty. (1) - 3,832 kg
“D” - qty. (1) - 3,651 kg

**TIE DOWN / LIFTING EYES:**
Tie down / lifting eyes installed for securing unit during transport and for lifting of the unit.

**DRIVER PROTECTION GUARD:**
Structural overhead guard for operator protection.

**OTHER STANDARD FEATURES:**
Back up alarm, horn, strobe light, operator seat complete with safety belt and electric switch.

**OPTIONAL EQUIPMENT**

**RADIO REMOTE CONTROL:**

**59 TONNE SPINNER:**
Allows for 360 degree rotation of load

**HYDRAULIC WINCH:**
Consult factory for available capacities

**FORKLIFT ATTACHMENT:**
Consult factory for available capacities

**JIB EXTENSION:**
Consult factory for available capacities
1. The above chart is for reference purposes only.
2. Never use the above chart for lift planning calculations
3. Lift plan calculations are to be determined solely by the load charts and range diagrams that are issued for the specific serial numbered machine that is to be used for the specific planned lift.
NOTE

1. The above chart is for reference purposes only.
2. Never use the above chart for lift planning calculations.
3. Lift plan calculations are to be determined solely by the load charts and range diagrams that are issued for the specific serial numbered machine that is to be used for the specific planned lift.
NOTE:
Specifications are provided in metric dimensions. All equipment dimensions, designs, specifications, calculations, etc., as described, are subject to change at manufacturer’s discretion at any time and without notice. Weights are approximate and may vary. Data herein is for informational purposes only and will not be construed to guarantee suitability of equipment for any particular as performance may vary with conditions encountered. Warranty will apply as written in standard contract form upon purchase of equipment. Capacities are for reference only and must not be used for any serial numbered machine. Serial numbered load charts may be obtained from Lift Systems, Inc.

### LOAD CHARTS FOR “A” COUNTERWEIGHT

#### FULLY EXTENDED

<table>
<thead>
<tr>
<th>LOAD RADIUS (METERS)</th>
<th>FULLY EXTENDED</th>
<th>MANUAL FLY SECTION</th>
<th>SEE NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.01</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.02</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.03</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.04</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.05</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.06</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
</tbody>
</table>

#### FULLY RETRACTED

<table>
<thead>
<tr>
<th>LOAD RADIUS (METERS)</th>
<th>FULLY RETRACTED</th>
<th>MANUAL FLY SECTION</th>
<th>SEE NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.01</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.02</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.03</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.04</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.05</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.06</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
</tbody>
</table>

### LOAD CHARTS FOR “A” AND “B” COUNTERWEIGHT

#### FULLY EXTENDED

<table>
<thead>
<tr>
<th>LOAD RADIUS (METERS)</th>
<th>FULLY EXTENDED</th>
<th>MANUAL FLY SECTION</th>
<th>SEE NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.01</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.02</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.03</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.04</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.05</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.06</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
</tbody>
</table>

#### FULLY RETRACTED

<table>
<thead>
<tr>
<th>LOAD RADIUS (METERS)</th>
<th>FULLY RETRACTED</th>
<th>MANUAL FLY SECTION</th>
<th>SEE NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.01</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.02</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.03</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.04</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.05</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
<tr>
<td>0.06</td>
<td>63,680</td>
<td>63,680</td>
<td></td>
</tr>
</tbody>
</table>

### NOTE:
Specifications are provided in metric dimensions. All equipment dimensions, designs, specifications, calculations, etc., as described, are subject to change at manufacturer’s discretion at any time and without notice. Weights are approximate and may vary. Data herein is for informational purposes only and will not be construed to guarantee suitability of equipment for any particular as performance may vary with conditions encountered. Warranty will apply as written in standard contract form upon purchase of equipment. Capacities are for reference only and must not be used for any serial numbered machine. Serial numbered load charts may be obtained from Lift Systems, Inc.
### TwinLift 68 Tonne Load Charts

#### Load Charts for “A”, “B”, and “C” Counterweights

<table>
<thead>
<tr>
<th>Load Radius (Meters)</th>
<th>Fully Extended</th>
<th>8.08</th>
<th>9.60</th>
<th>11.13</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5.03</td>
<td>6.55</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Load Charts for “A”, “B”, “C”, and “D” Counterweights

<table>
<thead>
<tr>
<th>Load Radius (Meters)</th>
<th>Fully Extended</th>
<th>8.08</th>
<th>9.60</th>
<th>11.13</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5.03</td>
<td>6.55</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Notes:**
- Manual fly section capacities are limited by angle.
- Use load radius when using manual fly section.
- Ratings above show the load is on the fly cable and not fly head.
- Load radius is from rear of boom to center of lift eye.
- Do not use for lifting eye only.

---

**Contact Information:**
- TEL: +1-309-764-9842
- FAX: +1-309-764-9848
- EMAIL: liftit@lift-systems.com
- WEB: www.lift-systems.com

---

**Address:**
- 1505 - 7th Street
- East Moline, IL 61244
- Moline, IL 61266

---

**Website:**
- www.lift-systems.com