

TWINLIFT 80,000 LBS

TWINLIFT TWL040

REACH UP:
32.5 FT

REACH OUT:
19 FT

ATTACHMENTS:
FORKS, JIB, WINCH



NOTES:

STANDARD EQUIPMENT

ENGINE:

GM Industrial 4.3L Propane Engine
105HP
U.S. EPA Tier 3
CARB Tier 3
EU Stage III

CONTROL SYSTEM:

CARL (Computer Assisted Remote Lifting) Control System. Monitors Boom Angle, Boom Extension, Counterweight 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:

Brevini drive motors (qty. 3)
(2) in front, (1) in rear steering box.

WHEELS:

Front: qty. (4)
Diameter: 28"
Width: 10"

Rear: qty. (2)
Diameter: 28"
Width: 10"

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 17%
Loaded maximum grade is 3.5%

GROUND BEARING PRESSURE:

Loaded Front Tires: 780 psi maximum
Unloaded Rear Tires: 660 psi maximum

TELESCOPING COUNTERWEIGHT:

Standard counterweight section telescopes 5' using (2) hydraulic cylinders. Push button control.

HYDRAULIC RESERVOIR:

100 gallons (378 liters)

BOOM LIFT CYLINDERS:

Twin cylinders capable of lifting and lowering with a full load. Safety holding valves installed on both cylinders. Spherical bearings ensure constant alignment with the boom.

BOOM TELESCOPE CYLINDERS:

Twin cylinders capable of telescoping the boom in and out with a full load. Safety holding valves are installed on both cylinders.

LIFTING EYES:

Qty. (1) centrally located on boom with 40 ton capacity

Qty. (2) located on corners of boom with 20 ton capacity each

WINCH MOUNT:

Standard mount for optional winch

WEIGHT:

36,000 lbs.

Standard "A" counterweight included

COUNTERWEIGHTS:

"A" - non-removable counterweight installed in unit

"B" - qty. (2) - 4,850 lbs each. - 9,700 lbs total

"C" - qty. (1) - 8,500 lbs

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:

Radio remote control allows full machine functionality from a wireless radio remote. Allows operator optimal view of load. Emergency safety shutdown switch is standard.

HYDRAULIC WINCH:

Consult factory for available capacities

FORKLIFT ATTACHMENT:

Consult factory for available capacities

JIB EXTENSION:

Consult factory for available capacities

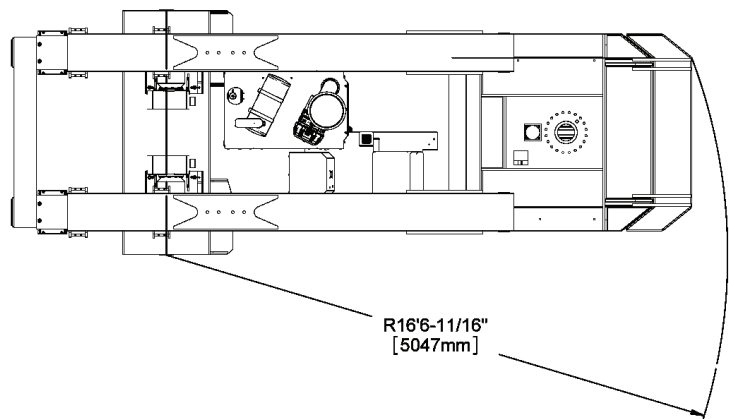
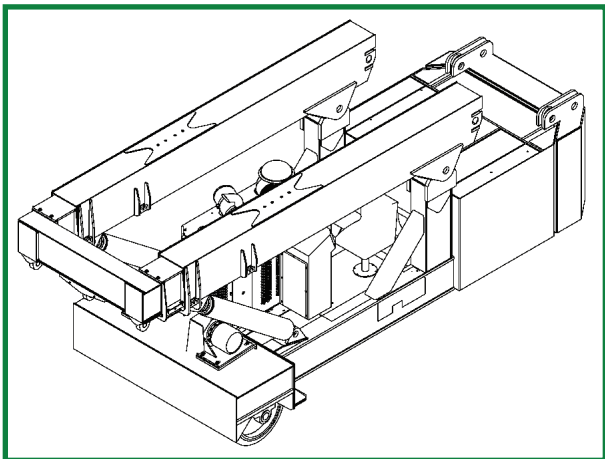
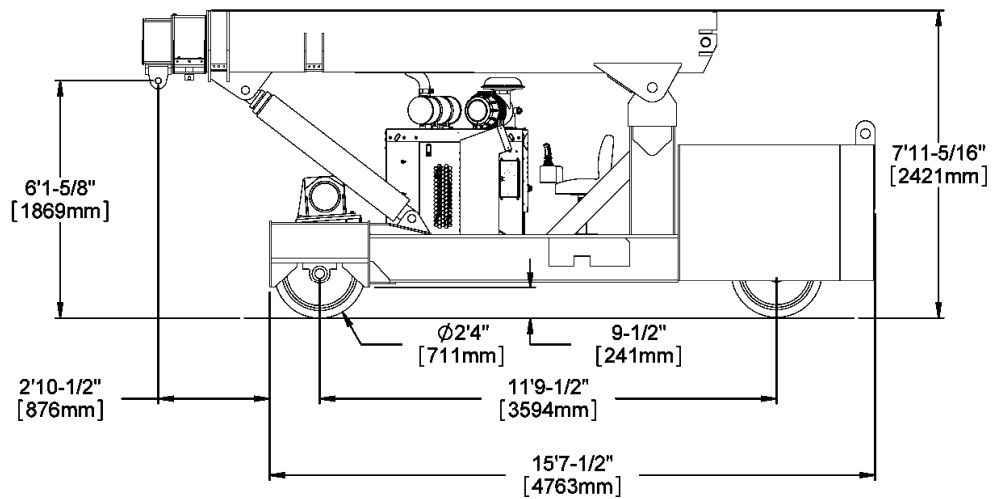
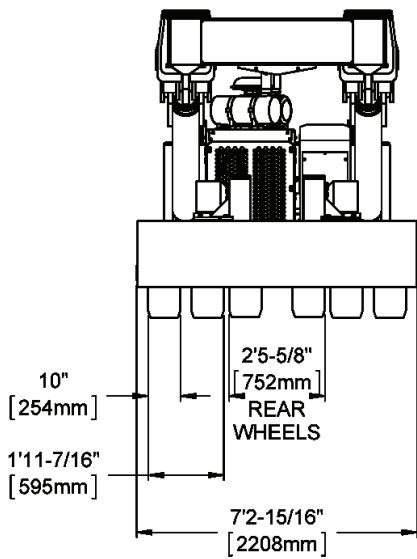
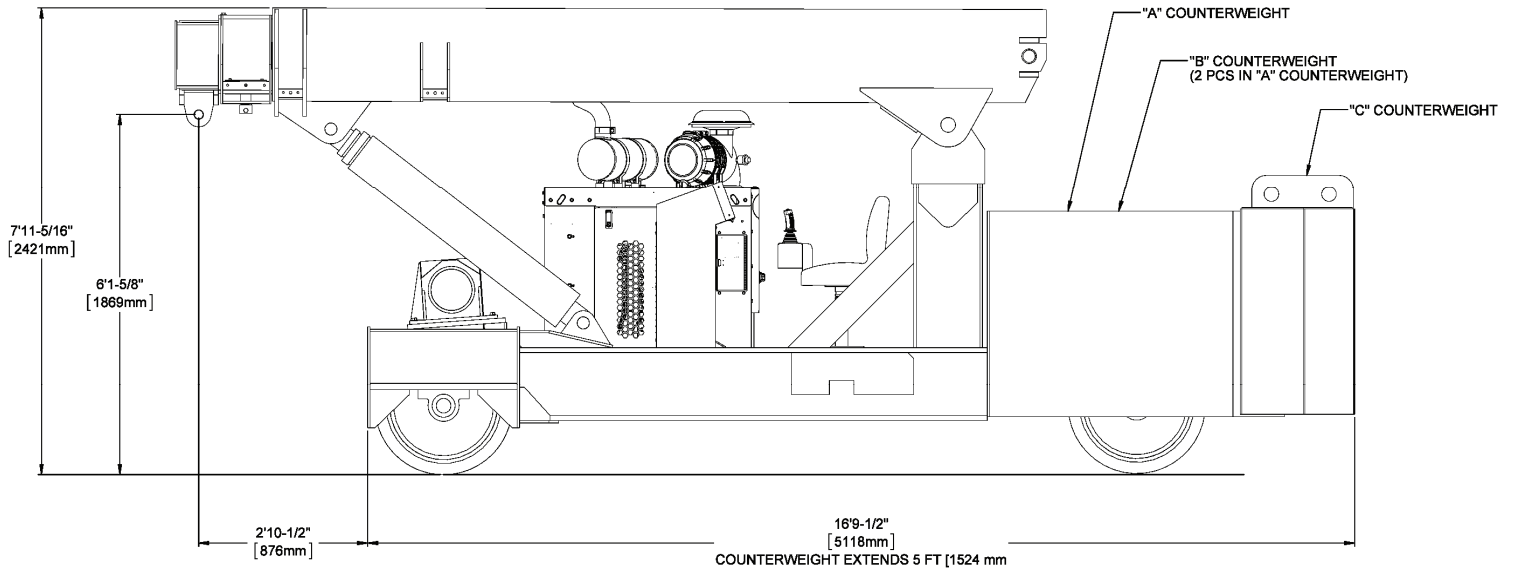


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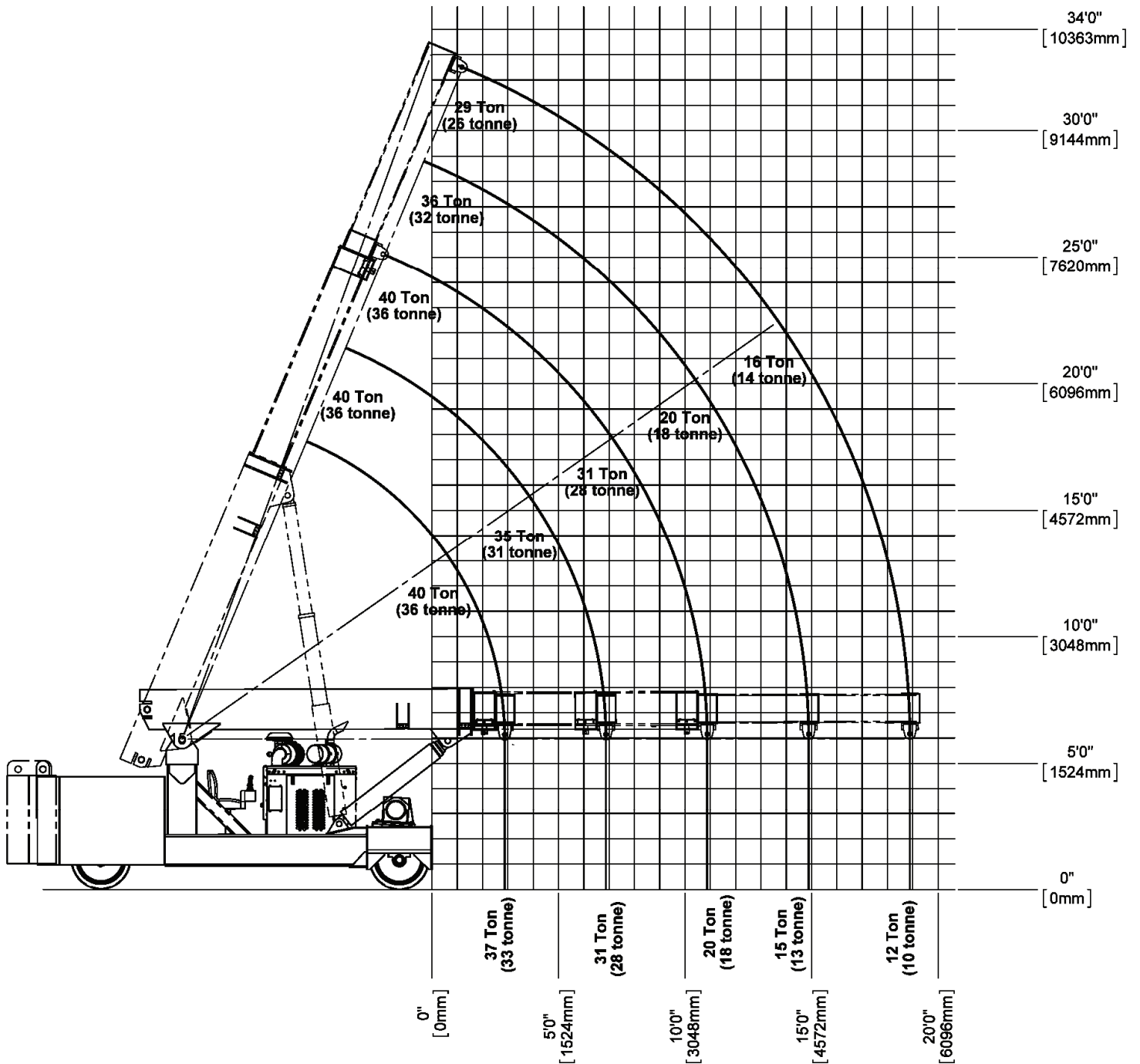
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DIMENSIONAL DATA



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REFERENCE CAPACITY / RANGE DIAGRAM



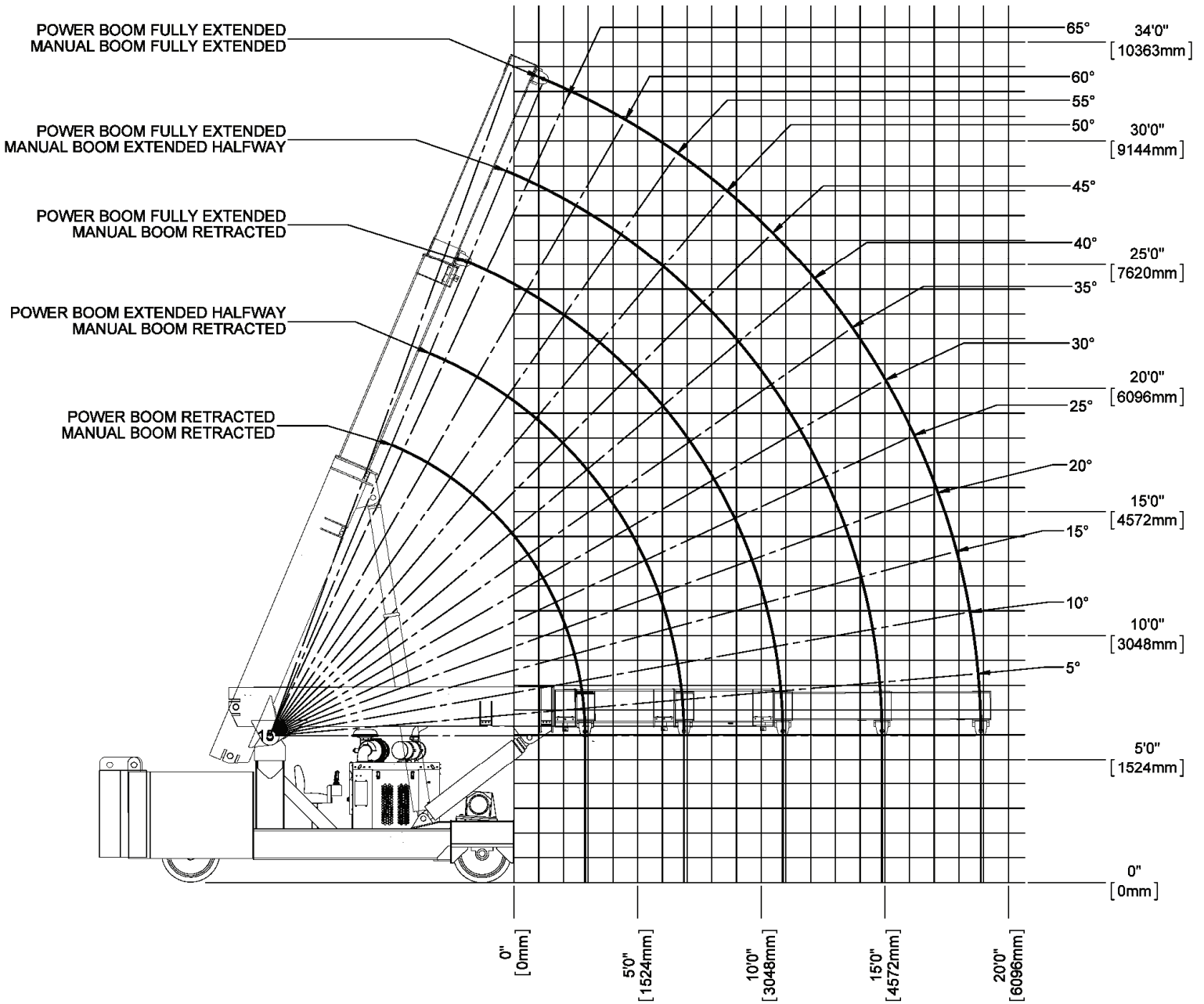
NOTE

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.



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RANGE DIAGRAM



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.



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LOAD CHARTS FOR "A" COUNTERWEIGHT

| LOAD RADIUS (FEET FROM FRONT) | 40 TON LOW PROFILE TWINLIFT LOAD CHART | | | | | | | | | | | | | | TLLC116 | | | | | | |
|-------------------------------|---------------------------------------------------------------------------|--------|-----|--------|-----|--------|---------------------|--------------------|-----|--------|--------------|--------|-----|--------|-----------|--------|--------|-------|-------|-------|-------|
| | FOR USE WITH LIFTING EYE ONLY STANDARD NON-REMOVABLE "A" COUNTERWEIGHT | | | | | | | | | | | | | | 7/27/2001 | | | | | | |
| | FULLY EXTENDED | | | | | | | FULLY RETRACTED | | | | | | | | | | | | | |
| LOADED BOOM ANGLE F | BOOM LENGTH (FEET) | | | | | | LOADED BOOM ANGLE F | BOOM LENGTH (FEET) | | | | | | | | | | | | | |
| 13° | 17° | 21° | 25° | 29° | 13° | 17° | 21° | 25° | 29° | 13° | 17° | 21° | 25° | 29° | | | | | | | |
| 0 | 42 | 80,000 | 55 | 80,000 | 60 | 80,000 | 60 | 62,600 | 60 | 62,600 | 42 | 80,000 | 55 | 80,000 | 60 | 79,900 | | | | | |
| 1 | 35 | 80,000 | 51 | 80,000 | 60 | 80,000 | 60 | 50,100 | 60 | 50,100 | 35 | 80,000 | 51 | 80,000 | 60 | 79,900 | | | | | |
| 2 | 26 | 78,400 | 47 | 78,200 | 56 | 77,700 | 60 | 49,200 | 57 | 49,200 | 26 | 64,100 | 47 | 62,800 | 56 | 62,100 | | | | | |
| 3 | 13 | 63,300 | 42 | 62,200 | 53 | 61,600 | 60 | 48,000 | 54 | 48,000 | 13 | 48,400 | 42 | 47,400 | 53 | 46,700 | | | | | |
| 4 | | | 36 | 49,800 | 49 | 49,200 | 57 | 47,000 | 57 | 47,000 | | | 36 | 37,700 | 49 | 37,200 | | | | | |
| 5 | | | 30 | 41,300 | 46 | 40,800 | 54 | 41,600 | 54 | 41,600 | | | 30 | 31,200 | 46 | 30,700 | | | | | |
| 6 | | | 23 | 35,200 | 42 | 34,700 | 51 | 35,400 | 51 | 35,400 | | | 23 | 26,400 | 42 | 25,900 | | | | | |
| 7 | | | 11 | 30,500 | 38 | 30,000 | 48 | 30,700 | 48 | 30,700 | | | 11 | 22,800 | 38 | 22,400 | | | | | |
| 8 | | | | | 33 | 26,400 | 45 | 27,000 | 45 | 27,000 | | | | | 33 | 19,500 | | | | | |
| 9 | | | | | 27 | 23,500 | 42 | 24,100 | 42 | 24,100 | | | | | 27 | 17,300 | | | | | |
| 10 | SEE NOTE "E" | | | | 21 | 21,100 | 38 | 21,600 | 38 | 21,600 | SEE NOTE "E" | | | | 21 | 15,400 | | | | | |
| 11 | | | | | 10 | 19,100 | 34 | 19,600 | 34 | 19,600 | | | | | 10 | 13,900 | | | | | |
| 12 | | | | | | | 30 | 17,900 | 30 | 17,900 | | | | | | 30 | 13,100 | | | | |
| 13 | | | | | | | 25 | 16,400 | 25 | 16,400 | | | | | | 25 | 11,900 | | | | |
| 14 | | | | | | | 19 | 15,100 | 19 | 15,100 | | | | | | 19 | 10,900 | | | | |
| 15 | | | | | | | 10 | 13,900 | 10 | 13,900 | | | | | | 10 | 10,000 | | | | |
| 16 | | | | | | | | | | | | | | | | | 28 | 9,600 | | | |
| 17 | | | | | | | | | | | | | | | | | | 23 | 8,900 | | |
| 18 | | | | | | | | | | | | | | | | | | | 17 | 8,300 | |
| 19 | | | | | | | | | | | | | | | | | | | | 9 | 7,700 |

LOAD CHARTS FOR "A" AND "B" COUNTERWEIGHT

| LOAD RADIUS (FEET FROM FRONT) | 40 TON LOW PROFILE TWINLIFT LOAD CHART | | | | | | | | | | | | | | TLLC117 | | | | | | | |
|-------------------------------|--------------------------------------------------------------------------------------------------------|--------|-----|--------|-----|--------|---------------------|--------------------|-----|--------|--------------|--------|-----|--------|-----------|--------|--------|----|--------|--------|--------|--------|
| | FOR USE WITH LIFTING EYE ONLY STANDARD NON-REMOVABLE "A" COUNTERWEIGHT WITH "B" COUNTERWEIGHT ADDED | | | | | | | | | | | | | | 7/27/2001 | | | | | | | |
| | FULLY EXTENDED | | | | | | | FULLY RETRACTED | | | | | | | | | | | | | | |
| LOADED BOOM ANGLE F | BOOM LENGTH (FEET) | | | | | | LOADED BOOM ANGLE F | BOOM LENGTH (FEET) | | | | | | | | | | | | | | |
| 13° | 17° | 21° | 25° | 29° | 13° | 17° | 21° | 25° | 29° | 13° | 17° | 21° | 25° | 29° | | | | | | | | |
| 0 | 42 | 80,000 | 55 | 80,000 | 60 | 80,000 | 60 | 72,300 | 60 | 72,300 | 42 | 80,000 | 55 | 80,000 | 60 | 79,400 | | | | | | |
| 1 | 35 | 80,000 | 51 | 80,000 | 60 | 80,000 | 60 | 68,300 | 60 | 68,300 | 35 | 79,900 | 51 | 79,600 | 60 | 79,400 | | | | | | |
| 2 | 26 | 78,100 | 47 | 77,800 | 56 | 77,700 | 60 | 62,100 | 57 | 62,100 | 26 | 74,200 | 47 | 73,900 | 56 | 73,700 | | | | | | |
| 3 | 13 | 74,100 | 42 | 73,800 | 53 | 73,700 | 60 | 61,300 | 54 | 61,300 | 13 | 68,900 | 42 | 67,800 | 53 | 67,200 | | | | | | |
| 4 | | | 36 | 70,200 | 49 | 70,100 | 57 | 62,100 | 57 | 62,100 | | | 36 | 54,300 | 49 | 53,800 | | | | | | |
| 5 | | | 30 | 61,800 | 46 | 61,300 | 54 | 62,100 | 54 | 62,100 | | | 30 | 45,100 | 46 | 44,600 | | | | | | |
| 6 | | | 23 | 52,900 | 42 | 52,400 | 51 | 53,100 | 51 | 53,100 | | | 23 | 36,500 | 42 | 36,000 | | | | | | |
| 7 | | | 11 | 46,100 | 38 | 45,600 | 48 | 46,300 | 48 | 46,300 | | | 11 | 33,400 | 38 | 32,900 | | | | | | |
| 8 | | | | | 33 | 40,300 | 45 | 40,900 | 45 | 40,900 | | | | | 33 | 29,000 | | | | | | |
| 9 | | | | | 27 | 36,000 | 42 | 36,600 | 42 | 36,600 | | | | | 27 | 25,800 | | | | | | |
| 10 | SEE NOTE "E" | | | | 21 | 32,500 | 38 | 33,100 | 38 | 33,100 | SEE NOTE "E" | | | | 21 | 23,200 | | | | | | |
| 11 | | | | | 10 | 29,600 | 34 | 30,100 | 34 | 30,100 | | | | | 10 | 21,000 | | | | | | |
| 12 | | | | | | | 30 | 27,600 | 30 | 27,600 | | | | | | 30 | 19,700 | | | | | |
| 13 | | | | | | | 25 | 25,400 | 25 | 25,400 | | | | | | 25 | 18,100 | | | | | |
| 14 | | | | | | | 19 | 23,500 | 19 | 23,500 | | | | | | 19 | 16,700 | | | | | |
| 15 | | | | | | | 10 | 21,900 | 10 | 21,900 | | | | | | 10 | 15,400 | | | | | |
| 16 | | | | | | | | | | | | | | | | | | 28 | 14,700 | | | |
| 17 | | | | | | | | | | | | | | | | | | | 23 | 13,700 | | |
| 18 | | | | | | | | | | | | | | | | | | | | 17 | 12,800 | |
| 19 | | | | | | | | | | | | | | | | | | | | | 9 | 12,000 |

NOTE: Specifications are provided in imperial 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.



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LOAD CHARTS FOR "A", "B", AND "C" COUNTERWEIGHT

| LOAD RADIUS (FEET FROM FRONT) | 40 TON LOW PROFILE TWINLIFT LOAD CHART | | | | | | | | | | | | | | | | | | TLLC118 | | |
|-------------------------------|-------------------------------------------------------------------------------------------------------------|--------|----|--------|--------|--------|--------|--------|--------|-------------------|--------------------|--------|--------|--------|--------|--------|--------|--------|-----------------------|-----------------------|-----------------------|
| | FOR USE WITH LIFTING EYE ONLY STANDARD NON-REMOVABLE "A" COUNTERWEIGHT WITH "B", "C" COUNTERWEIGHT ADDED | | | | | | | | | | | | | | | | | | 7/27/2001 | | |
| | FULLY EXTENDED | | | | | | | | | FULLY RETRACTED | | | | | | | | | | | |
| LOADED BOOM ANGLE | BOOM LENGTH (FEET) | | | | | | | | | LOADED BOOM ANGLE | BOOM LENGTH (FEET) | | | | | | | | | | |
| △ | 13 | 17 | 21 | 25 | 29 | △ | 13 | 17 | 21 | 25 | 29 | △ | 13 | 17 | 21 | 25 | 29 | △ | | | |
| 0 | 42 | 80,000 | 55 | 80,000 | 60 | 80,000 | 42 | 80,000 | 55 | 80,000 | 60 | 80,000 | 42 | 80,000 | 55 | 80,000 | 60 | 80,000 | FLY SECTION SEE NOTES | | |
| 1 | 35 | 80,000 | 51 | 80,000 | 60 | 80,000 | 35 | 80,000 | 51 | 80,000 | 60 | 80,000 | 35 | 80,000 | 51 | 80,000 | 60 | 80,000 | FLY SECTION SEE NOTES | | |
| 2 | 26 | 79,400 | 47 | 79,100 | 56 | 79,000 | 26 | 75,900 | 47 | 75,600 | 56 | 75,400 | 26 | 75,900 | 47 | 75,600 | 56 | 75,400 | FLY SECTION SEE NOTES | | |
| 3 | 13 | 75,300 | 42 | 75,100 | 53 | 74,900 | 13 | 70,800 | 42 | 70,500 | 53 | 70,200 | 13 | 70,800 | 42 | 70,500 | 53 | 70,200 | FLY SECTION SEE NOTES | | |
| 4 | | | 36 | 71,400 | 49 | 71,200 | 36 | 66,000 | 49 | 65,700 | 57 | 66,100 | 36 | 66,000 | 49 | 65,700 | 57 | 66,100 | FLY SECTION SEE NOTES | | |
| 5 | | | 30 | 68,000 | 46 | 67,900 | 30 | 61,500 | 46 | 61,000 | 54 | 61,700 | 30 | 61,500 | 46 | 61,000 | 54 | 61,700 | FLY SECTION SEE NOTES | | |
| 6 | | | 23 | 65,000 | 42 | 64,800 | 23 | 52,600 | 42 | 52,100 | 51 | 52,800 | 23 | 52,600 | 42 | 52,100 | 51 | 52,800 | FLY SECTION SEE NOTES | | |
| 7 | | | 11 | 62,200 | 38 | 62,000 | 11 | 45,800 | 38 | 45,300 | 48 | 46,000 | 11 | 45,800 | 38 | 45,300 | 48 | 46,000 | FLY SECTION SEE NOTES | | |
| 8 | | | | 33 | 55,300 | 45 | 55,900 | 33 | 40,100 | 45 | 40,700 | 53 | 41,100 | 33 | 40,100 | 45 | 40,700 | 53 | 41,100 | FLY SECTION SEE NOTES | |
| 9 | | | | 27 | 49,500 | 42 | 50,100 | 27 | 35,800 | 42 | 36,400 | 50 | 36,800 | 27 | 35,800 | 42 | 36,400 | 50 | 36,800 | FLY SECTION SEE NOTES | |
| 10 | SEE NOTE "E" | | | 21 | 44,800 | 38 | 45,400 | 21 | 32,300 | 38 | 32,900 | 47 | 33,300 | 21 | 32,300 | 38 | 32,900 | 47 | 33,300 | FLY SECTION SEE NOTES | |
| 11 | | | | 10 | 40,900 | 34 | 41,400 | 10 | 29,400 | 34 | 29,900 | 45 | 30,300 | 10 | 29,400 | 34 | 29,900 | 45 | 30,300 | FLY SECTION SEE NOTES | |
| 12 | | | | | 30 | 38,000 | 42 | 38,400 | | | 30 | 27,400 | 42 | 27,800 | | | 30 | 27,400 | 42 | 27,800 | FLY SECTION SEE NOTES |
| 13 | | | | | 25 | 35,100 | 39 | 35,500 | | | 25 | 25,200 | 39 | 25,600 | | | 25 | 25,200 | 39 | 25,600 | FLY SECTION SEE NOTES |
| 14 | | | | | 19 | 32,600 | 35 | 33,000 | | | 19 | 23,400 | 35 | 23,700 | | | 19 | 23,400 | 35 | 23,700 | FLY SECTION SEE NOTES |
| 15 | | | | | 10 | 30,400 | 32 | 30,800 | | | 10 | 21,700 | 32 | 22,100 | | | 10 | 21,700 | 32 | 22,100 | FLY SECTION SEE NOTES |
| 16 | | | | | | 28 | 28,800 | | | | | 28 | 20,600 | | | | | 28 | 20,600 | FLY SECTION SEE NOTES | |
| 17 | | | | | | 23 | 27,000 | | | | | 23 | 19,300 | | | | | 23 | 19,300 | FLY SECTION SEE NOTES | |
| 18 | | | | | | 17 | 25,500 | | | | | 17 | 18,200 | | | | | 17 | 18,200 | FLY SECTION SEE NOTES | |
| 19 | | | | | | 9 | 24,100 | | | | | 9 | 17,100 | | | | | 9 | 17,100 | FLY SECTION SEE NOTES | |

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