# GROVE 

 TMS875®

TRUCK MOUNTED HYDRAULIC CRANE

## Superstructure Specifications

## Boom (Standard)

36 ft . -110 ft . ( $10.9 \mathrm{~m}-33.5 \mathrm{~m}$ ) four section full power boom. Equipped with remote greasing lines for upper wear pad area. Maximum Tip Height: 118 ft . ( 35.9 m ).

## Folding Lattice Extension

## 110 ft. ( 33.5 m ) Main boom

31 ft . or 56 ft . ( 9.4 m or 17 m ) folding lattice swingaway extension offsettable at $1.5^{\circ}, 25^{\circ}$ or $45^{\circ}$. Stows alongside base boom section. Maximum Tip Height: 172 ft . ( 52.4 m ).

## *Boom (Optional)

40 ft . -125 ft . ( $12.2 \mathrm{~m}-38.1 \mathrm{~m}$ ) four section full power boom. Equipped with remote greasing lines for upper wear pad area. Maximum Tip Height: $133 \mathrm{ft} .(40.5 \mathrm{~m})$.

## *Lattice Extension

## 125 ft. ( $\mathbf{3 8 . 1} \mathbf{~ m ) ~ M a i n ~ b o o m ~}$

35 ft . - 60 ft . ( $10.7 \mathrm{~m}-18.3 \mathrm{~m}$ ) telescoping lattice swingaway extension offsettable at $2^{\circ}$ or $30^{\circ}$. Stows alongside the base boom section. Maximum Tip Height: 191 ft . (58.2 m).

## *Boom (Optional)

35 ft . 138 ft . ( $10.8 \mathrm{~m}-42 \mathrm{~m}$ ) five section full power boom. Equipped with remote greasing lines for upper wear pad area. Maximum Tip Height: 147 ft . (44.8 m).

## *Folding Lattice Extension

## 138 ft . ( 42 m ) Main boom

31 ft . or 56 ft . ( 9.4 m or 17 m ) folding lattice swingaway extension offsettable at $1.5^{\circ}, 25^{\circ}$ or $45^{\circ}$. Stows alongside the base boom section. Maximum Tip Height: 202 ft . ( 61.5 m ).

## *Optional Luffing Lattice Extension 138 ft . $(42 \mathrm{~m})$ Main boom.

31 ft . or 56 ft . ( 9.4 m or 17 m ) folding lattice swingaway extension hydraulically offsettable from the superstructure cab. Infinite offsets $1.5^{\circ}$ through $45^{\circ}$. Stows alongside the base boom section. Maximum Tip Height: 202 ft . ( 61.5 m ).

## Boom Nose

Five nylatron sheaves (six with 125' boom), mounted on heavy duty tapered roller bearings with removable pin-type rope guards. Quick reeving type boom nose. Removable auxiliary boom nose with removable pin type rope guard.

## Boom Elevation

One double acting hydraulic cylinder with integral holding valve provides elevation from $-3^{\circ}$ to $80^{\circ}\left(-3^{\circ}\right.$ to $78^{\circ}$ with 125 ft . boom).

## Load Moment \& Anti-Two Block System

Standard load moment and anti-two block system with audiovisual warning and control lever lockout. These systems provide electronic display of boom angle, boom length, radius, tip height, relative load moment, maximum permissible load, load indication and warning of impending two-block condition.

## Cab

High visibility, all steel cab with acoustical lining and tinted safety glass throughout. Deluxe seat with armrest mounted hydraulic single axis controls. Dash panel incorporates gauges for all engine functions. Other standard features include: sliding side and rear windows, hot water heat, electric windshield wash/wipe, circulating air fan, sliding skylight with sunscreen and electric skylight wiper, fire extinguisher, cup holder.

## Swing

Planetary swing with foot applied multi-disc wet brake. Spring applied, hydraulically released parking brake, plunger type mechanical house lock and $360^{\circ}$ house lock operated from cab. Maximum speed: 2.0 RPM.

## Counterweight

$8,500 \mathrm{lbs}$. ( 3856 kg ) total consisting of (1) $5,500 \mathrm{lbs}$. ( 2495 kg ) section and (1) $3,000 \mathrm{lbs}$. ( 1361 kg ) section. Hydraulic installation/removal. *Optional 9,500 lbs. ( 4309 kg ) to be used in conjunction with standard counterweight to provide 12,500 lbs. $(5670 \mathrm{~kg})$ or $18,000 \mathrm{lbs} .(8165 \mathrm{~kg})$ total counterweight.

## Hydraulic System

Four main gear pumps with a combined capacity of 160 GPM ( 730.5 lpm ). Three individual valve banks. Return line type filter with full flow by-pass protection and service indicator.
Replaceable cartridge with beta rating of $5 / 12 / 16$. 170 gallons ( 643 L ) reservoir. Remote mounted oil cooler with thermostatically controlled hydraulic motor driven fan.

## Hoist specifications

Main and Auxiliary Hoists - Model HO3OG-26G
Planetary reduction with integral automatic brake, electronic hoist drum rotation indicator, hoist drum cable follower and grooved drum.

Maximum Hoist Line Pull: $17,866 \mathrm{lb} .(8103 \mathrm{~kg})$
Maximum Rope Permissible Line Pull: $12,920 \mathrm{lb} .(5860 \mathrm{~kg})$
Maximum Single Line Speed: 504 fpm ( $154 \mathrm{~m} / \mathrm{m}$ )
Rope Diameter: 3/4 in. (19 mm)
Rope Length: 620 ft . ( 189 m )
Maximum Rope Stowage: 1,163 ft. (354 m)

[^0]
## Carrier Specifications

## Chassis

Triple box section, four-axle carrier fabricated from highstrength, low alloy steel with towing and tie-down lugs.

## Outrigger System

Four hydraulic telescoping, two-stage, double box beam outriggers with inverted jack and integral holding valves. Quick release type outrigger floats 24 in . ( 610 mm ) diameter. Three position setting with fully extended, intermediate (50\%) extended and fully retracted capacities. Maximum outrigger pad load: 100,500 lbs. ( 45587 kg ).

## Outrigger Controls

Located in the superstructure cab on left side (umbilical design) and on either side of carrier with lighted boxes. Requires two hand operation. Crane level indicator (sight bubble) on right side console.

## Engine

Cummins ISM 400 diesel, six cylinders, turbo-charged after cooled, $661 \mathrm{cu} . \operatorname{in.}$ ( 10.8 L ), 400 bhp ( 298 kW ) (gross) @ 1500 RPM. Maximum torque 1,450 ft. Ibs. (1966 Nm) @ 1200 RPM. Equipped with engine brake and audio-visual engine distress system.

## Fuel Tank Capacity

100 gallons ( 376 L ).

## Transmission

Roadranger 11 speeds forward, 3 reverse.
Drive $8 \times 4 \times 4$.

## Steering

Front axle, single circuit, mechanical steering with hydraulic power assist. Turning radius: 45' 1".

## Axles

Front: (2) Eaton beam-type steering axles, 84 in. (2.13 m) track. Rear: (2) Eaton single reduction drive axles, 74.46 in . ( 1.89 m ) track. Inter-axle differential locks.

## Brakes

S-cam, dual air split system operating on all wheels. Springapplied, air released parking brake acting on rear axles. Air dryer.

## Suspension

Front: Walking beam with air bags and shock absorbers. Rear: Walking beam with air bags and shock absorbers.

## Tires

Front: 445/65R 22.5 Goodyear G286, tubeless, mounted on aluminum disc wheels.
Rear: 315/80R 22.5 Goodyear G286, tubeless, mounted on aluminum disc wheels.

## *Optional Tires

Front: 445/65R 22.5 Bridgestone M844F, tubeless. 445/65R 22.5 Michelin XZY (WB), tubeless. Rear: 315/80R 22.5 Bridgestone M843, tubeless. 315/80R 22.5 Michelin XZY-1 tubeless.

## Lights

Full lighting package including turn indicators, head, tail, brake, and hazard warning lights.

## Cab

One man design, all steel fabricated with acoustical lining and tinted safety glass throughout. Deluxe fabric covered seat with air height adjustment. Complete driving controls and engine instrumentation including tilt telescope steering wheel, tachometer, speedometer, voltmeter, water temp., oil pressure, fuel level, air pressure gauge with $A / V$ warning and engine high temp./low oil pressure A/V warning. Other standard items include hot water heater/defroster, electric windshield wash/wipe, fire extinguisher, seat belt, door lock and electric window.

## Electrical System

Two 12 V - maintenance free batteries. 12 V carrier driving lights, remaining systems 24 V Standard battery disconnect.

## Maximum Speed

65 MPH (104 kph).

## Gradeability (Theoretical) <br> 83\%.

## Miscellaneous Standard Equipment

Aluminum fenders with rear storage compartments; dual rear view mirrors; electronic back-up alarm; sling/tool box; pump disconnect; tire inflation kit; air cleaner restriction indicator; block and ball stowage; and chrome package which includes aluminum wheels.

## Optional Equipment

*Cold Weather Package (Includes cold weather kit for main and auxiliary hoist, remote controlled heated carrier mirrors).
*Auxiliary Lighting Package (Includes cab mounted work lights, boom base mounted floodlights, hoist mounted work light).
*Flashing Light Package (Includes amber strobe for superstructure and carrier cabs).
*Trailing Boom Package (Includes trailer air and electrical disconnects, and trailing boom kit [less dolly]).
*Air conditioning, either cab.
*Remote controlled cab mounted work lights.
*Hookblocks and headache ball.
*Pintle hook (rear).
*Cross axle differential locks.
*Aluminum outrigger pads.
*Air horn.
*LMI light bar.
*PAT data logger.
*Grease system for turntable, air powered.
*On rubber load chart, including calibration.

## *Denotes optional equipment

## Dimensions





| Add: 31 ft .Fixed lenath extension | 1.553 | 704 | 1.556 | 706 | -3 | -1 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Add: 31 ft. -56 ft . Bi-fold extension | 2.240 | 1.016 | 1.973 | 895 | 267 | 121 |
| Add: 31 ft . -56 ft . Luffing bi-fold extension (138 ft. boom only) | 3,122 | 1,416 | 3,298 | 1,496 | -176 | -80 |
| Add: Auxiliary boom nose | 127 | 58 | 234 | 106 | -107 | -49 |

125 ft . Boom Options

| Add: 35 ft Fixed lenath extension | 2.154 | 977 | 2.362 | 1.071 | -208 | -94 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Add: 35 ft - 60 ft.telescopic extension | 2.893 | 1.312 | 3.172 | 1.439 | -279 | -127 |
| Add: Auxiliarv boom_nose | 116 | 53 | 235 | 107 | -119 | -54 |





## RATED LIFTING CAPACITIES IN POUNDS WITH 18,000 LB. COUNTERWEIGHT 36 FT. - 110 FT. BOOM

ON OUTRIGGERS FULLY EXTENDED - 360º

| Radius in Feet | \#0501 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Main Boom Length in Feet |  |  |  |  |  |  |  |
|  | 36 | 50 | *60 | 70 | 80 | 90 | 100 | 110 |
| 10 | $\begin{gathered} 150,000+ \\ (68) \\ \hline \end{gathered}$ | $\begin{gathered} 109,500 \\ (75) \\ \hline \end{gathered}$ | $\begin{gathered} 84,200 \\ (78) \\ \hline \end{gathered}$ | $\begin{gathered} \star * 56,450 \\ (80) \end{gathered}$ |  |  |  |  |
| 12 | $\begin{gathered} 110,500 \\ (64) \\ \hline \end{gathered}$ | $\begin{gathered} 104,500 \\ (72.5) \\ \hline \end{gathered}$ | $\begin{gathered} 79,850 \\ (76) \\ \hline \end{gathered}$ | $\begin{gathered} 56,450 \\ (78.5) \\ \hline \end{gathered}$ |  |  |  |  |
| 15 | $\begin{gathered} 96,800 \\ (58.5) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 91,400 \\ (69) \\ \hline \end{gathered}$ | $\begin{gathered} 73,900 \\ (73) \\ \hline \end{gathered}$ | $\begin{gathered} 56,450 \\ (76) \\ \hline \end{gathered}$ | $\begin{gathered} 56,500 \\ (78.5) \\ \hline \end{gathered}$ | $\begin{gathered} \hline * 47,850 \\ (80) \\ \hline \end{gathered}$ |  |  |
| 20 | $\begin{gathered} \hline 78,750 \\ (47) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 75,300 \\ (62) \\ \hline \end{gathered}$ | $\begin{gathered} 59,600 \\ (67.5) \\ \hline \end{gathered}$ | $\begin{gathered} 56,450 \\ (71.5) \\ \hline \end{gathered}$ | $\begin{gathered} 50,950 \\ (74.5) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 41,000 \\ (77) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 40,350 \\ (79) \\ \hline \end{gathered}$ | $* * 27,350$ $(80)$ |
| 25 | $\begin{gathered} 59,800 \\ (32.5) \end{gathered}$ | $\begin{gathered} \hline 59,750 \\ (55) \\ \hline \end{gathered}$ | $\begin{gathered} 50,000 \\ (62.5) \\ \hline \end{gathered}$ | $\begin{gathered} 48,900 \\ (67) \\ \hline \end{gathered}$ | $\begin{gathered} 43,800 \\ (71) \end{gathered}$ | $\begin{gathered} 35,250 \\ (73.5) \\ \hline \end{gathered}$ | $\begin{gathered} 34,750 \\ (76) \\ \hline \end{gathered}$ | $\begin{gathered} 27,350 \\ (78.5) \\ \hline \end{gathered}$ |
| 30 |  | $\begin{gathered} \hline 47,300 \\ (47) \end{gathered}$ | $\begin{gathered} 42,300 \\ (56.5) \\ \hline \end{gathered}$ | $\begin{gathered} 41,900 \\ (62.5) \\ \hline \end{gathered}$ | $\begin{gathered} 38,300 \\ (67) \end{gathered}$ | $\begin{gathered} 31,050 \\ (70.5) \\ \hline \end{gathered}$ | $\begin{gathered} 30,450 \\ (73) \\ \hline \end{gathered}$ | $\begin{gathered} 27,350 \\ (75.5) \\ \hline \end{gathered}$ |
| 35 |  | $\begin{gathered} 38,550 \\ (37.5) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 36,950 \\ (50) \\ \hline \end{gathered}$ | $\begin{gathered} 36,400 \\ (57.5) \end{gathered}$ | $\begin{gathered} 33,900 \\ (63) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 27,650 \\ (67) \\ \hline \end{gathered}$ | $\begin{gathered} 27,000 \\ (70) \\ \hline \end{gathered}$ | $\begin{gathered} 25,300 \\ (72.5) \\ \hline \end{gathered}$ |
| 40 |  | $\begin{gathered} \hline 28,450 \\ (24.5) \\ \hline \end{gathered}$ | $\begin{gathered} 28,450 \\ (43) \\ \hline \end{gathered}$ | $\begin{gathered} 29,700 \\ (52) \\ \hline \end{gathered}$ | $\begin{gathered} 30,300 \\ (58.5) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 24,350 \\ (63) \\ \hline \end{gathered}$ | $\begin{gathered} 24,250 \\ (67) \\ \hline \end{gathered}$ | $\begin{gathered} 22,900 \\ (70) \\ \hline \end{gathered}$ |
| 45 |  |  | $\begin{gathered} \hline 23,400 \\ (34.5) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 24,650 \\ (46.5) \\ \hline \end{gathered}$ | $\begin{gathered} 25,550 \\ (54) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 22,050 \\ (59.5) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 21,900 \\ (63.5) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 20,850 \\ (67) \\ \hline \end{gathered}$ |
| 50 |  |  | $\begin{gathered} 19,450 \\ (23) \end{gathered}$ | $\begin{gathered} 20,700 \\ (39.5) \end{gathered}$ | $\begin{gathered} 21,600 \\ (49) \\ \hline \end{gathered}$ | $\begin{gathered} 20,050 \\ (55.5) \end{gathered}$ | $\begin{gathered} 19,950 \\ (60) \end{gathered}$ | $\begin{gathered} 19,100 \\ (64) \\ \hline \end{gathered}$ |
| 55 |  |  |  | $\begin{gathered} 17,500 \\ (32) \\ \hline \end{gathered}$ | $\begin{gathered} 18,450 \\ (43.5) \end{gathered}$ | $\begin{gathered} 18,350 \\ (51) \\ \hline \end{gathered}$ | $\begin{gathered} 18,300 \\ (56.5) \end{gathered}$ | $\begin{gathered} 17,550 \\ (61) \\ \hline \end{gathered}$ |
| 60 |  |  |  | $\begin{gathered} 14,900 \\ (21) \end{gathered}$ | $\begin{aligned} & \hline 15,850 \\ & (37.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 16,550 \\ & (46.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 16,850 \\ (53) \\ \hline \end{gathered}$ | $\begin{aligned} & 16,200 \\ & (57.5) \\ & \hline \end{aligned}$ |
| 65 |  |  |  |  | $\begin{gathered} 13,650 \\ (30) \end{gathered}$ | $\begin{aligned} & 14,350 \\ & (41.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 14,900 \\ (49) \\ \hline \end{gathered}$ | $\begin{aligned} & 15,050 \\ & (54.5) \\ & \hline \end{aligned}$ |
| 70 |  |  |  |  | $\begin{gathered} 11,650 \\ (20) \\ \hline \end{gathered}$ | $\begin{aligned} & 12,500 \\ & (35.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 13,050 \\ (44.5) \end{gathered}$ | $\begin{aligned} & 13,500 \\ & (50.5) \\ & \hline \end{aligned}$ |
| 75 |  |  |  |  |  | $\begin{gathered} 10,900 \\ (29) \end{gathered}$ | $\begin{gathered} \hline 11,450 \\ (39.5) \end{gathered}$ | $\begin{gathered} 11,900 \\ (47) \\ \hline \end{gathered}$ |
| 80 |  |  |  |  |  | $\begin{gathered} 9,480 \\ (19) \end{gathered}$ | $\begin{gathered} 10,000 \\ (34.5) \end{gathered}$ | $\begin{gathered} 10,500 \\ (43) \\ \hline \end{gathered}$ |
| 85 |  |  |  |  |  |  | $\begin{gathered} 8,790 \\ (28) \end{gathered}$ | $\begin{aligned} & \hline 9,260 \\ & (38.5) \end{aligned}$ |
| 90 |  |  |  |  |  |  | $\begin{aligned} & 7,690 \\ & (18.5) \end{aligned}$ | $\begin{gathered} 8,150 \\ (33) \\ \hline \end{gathered}$ |
| 95 |  |  |  |  |  |  |  | $\begin{gathered} 7,170 \\ (27) \\ \hline \end{gathered}$ |
| 100 |  |  |  |  |  |  |  | $\begin{aligned} & 6,280 \\ & (18.5) \end{aligned}$ |
| Minimum boom angle (deg.) for indicated length (no load) |  |  |  |  |  |  |  | 0 |
| Maximum boom length (ft.) at 0 degree boom angle (no load) |  |  |  |  |  |  |  | 110 |

NOTE: ( ) Boom angles are in degrees.
\#LMI operating code. Refer to LMI manual for instructions.
**This capacity is based on maximum boom angle.

| Lifting Capacities On Outriggers Fully Extended - $\mathbf{3 6 0}{ }^{\circ}$ At Zero Degree Boom Angle |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Boom | Main Boom Length in Feet |  |  |  |  |  |  |  |  |
|  | 36 | 50 | $* 60$ | 70 | 80 | 90 | 100 | 110 |  |
| $0^{\circ}$ | 27,600 | 16,200 | 11,350 | 9,150 | 7,410 | 6,040 | 4,950 | 4,060 |  |
|  | $(28.3)$ | $(42.8)$ | $(53.1)$ | $(62.8)$ | $(72.8)$ | $(82.8)$ | $(92.8)$ | $(102.8)$ |  |

NOTE: ( ) Reference radii in feet.
*60 ft. boom length is with inner-mid extended and outer-mid \& fly retracted.
+12 parts line required to lift this capacity (using aux. boom nose). Refer to Operator's and Safety Handbook for reeving diagram.

## 31 FT. - 56 FT. FOLDING BOOM EXTENSION WITH 18,000 LB. COUNTERWEIGHT

ON OUTRIGGERS FULLY EXTENDED - $360^{\circ}$

| Radius in Feet | 31 FT . LENGTH |  |  | 56 FT. LENGTH |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \#0521 | \#0522 | \#0523 | \#0541 | \#0542 | \#0543 |
|  | $\begin{gathered} 1.5^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 25^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 45^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 1.5^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 25^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 45^{\circ} \\ \text { OFFSET } \end{gathered}$ |
| 25 | $\begin{gathered} { }^{*} 12,900 \\ (80) \\ \hline \end{gathered}$ |  |  |  |  |  |
| 30 | $\begin{aligned} & 12,900 \\ & (78.5) \end{aligned}$ |  |  |  |  |  |
| 35 | $\begin{aligned} & 12,900 \\ & (76.5) \end{aligned}$ | $\begin{aligned} & 8,340 \\ & (79.5) \\ & \hline \end{aligned}$ |  | $\begin{aligned} & 8,220 \\ & (79.5) \\ & \hline \end{aligned}$ |  |  |
| 40 | $\begin{aligned} & 12,750 \\ & (74.5) \end{aligned}$ | $\begin{aligned} & 8,020 \\ & (77.5) \\ & \hline \end{aligned}$ | $\begin{gathered} * 6,370 \\ (80) \\ \hline \end{gathered}$ | $\begin{gathered} 8,220 \\ (78) \end{gathered}$ |  |  |
| 45 | $\begin{aligned} & 12,350 \\ & (72.5) \end{aligned}$ | $\begin{gathered} \hline 7,730 \\ (76) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6,300 \\ (79) \\ \hline \end{gathered}$ | $\begin{aligned} & 8,220 \\ & (76.5) \\ & \hline \end{aligned}$ |  |  |
| 50 | $\begin{aligned} & 11,500 \\ & (70.5) \end{aligned}$ | $\begin{gathered} 7,390 \\ (74) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6,250 \\ (77) \\ \hline \end{gathered}$ | $\begin{gathered} 8,220 \\ (75) \end{gathered}$ | $\begin{gathered} * 4,780 \\ (80) \\ \hline \end{gathered}$ |  |
| 55 | $\begin{aligned} & 10,950 \\ & (68.5) \end{aligned}$ | $\begin{gathered} \hline 7,130 \\ (72) \end{gathered}$ | $\begin{aligned} & 6,190 \\ & (74.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 8,220 \\ (74) \end{gathered}$ | $\begin{aligned} & \hline 4,640 \\ & (79.5) \\ & \hline \end{aligned}$ |  |
| 60 | $\begin{aligned} & \hline 10,400 \\ & (66.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 6,870 \\ & (69.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6,120 \\ (72) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 8,220 \\ (72) \\ \hline \end{gathered}$ | $\begin{gathered} 4,490 \\ (78) \\ \hline \end{gathered}$ |  |
| 65 | $\begin{gathered} \hline 9,960 \\ (64) \end{gathered}$ | $\begin{aligned} & 6,660 \\ & (67.5) \end{aligned}$ | $\begin{aligned} & 6,090 \\ & (69.5) \end{aligned}$ | $\begin{gathered} 8,220 \\ (70) \end{gathered}$ | $\begin{gathered} 4,340 \\ (76) \\ \hline \end{gathered}$ | $\begin{gathered} * 3,770 \\ (80) \end{gathered}$ |
| 70 | $\begin{aligned} & 9,480 \\ & (61.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6,450 \\ (65) \end{gathered}$ | $\begin{gathered} \hline 6,050 \\ (67) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 8,080 \\ (68) \\ \hline \end{gathered}$ | $\begin{gathered} 4,190 \\ (74) \\ \hline \end{gathered}$ | $\begin{gathered} 3,740 \\ (78) \end{gathered}$ |
| 75 | $\begin{gathered} 9,060 \\ (59) \end{gathered}$ | $\begin{aligned} & \hline 6,280 \\ & (62.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 6,050 \\ & (64.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 7,650 \\ (66) \\ \hline \end{gathered}$ | $\begin{gathered} 4,070 \\ (72) \\ \hline \end{gathered}$ | $\begin{gathered} 3,720 \\ (76) \end{gathered}$ |
| 80 | $\begin{aligned} & 8,630 \\ & (56.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6,110 \\ (60) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6,050 \\ (62) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 7,220 \\ (64) \\ \hline \end{gathered}$ | $\begin{gathered} 3,940 \\ (70) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 3,700 \\ & (73.5) \\ & \hline \end{aligned}$ |
| 85 | $\begin{gathered} \hline 8,270 \\ (54) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 5,970 \\ & (57.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6,050 \\ (59) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6,870 \\ (62) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 3,830 \\ & (67.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3,700 \\ & (71.5) \\ & \hline \end{aligned}$ |
| 90 | $\begin{gathered} 7,900 \\ (51) \\ \hline \end{gathered}$ | $\begin{aligned} & 5,840 \\ & (54.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6,050 \\ (56) \end{gathered}$ | $\begin{gathered} \hline 6,530 \\ (60) \\ \hline \end{gathered}$ | $\begin{array}{r} 3,730 \\ (65.5) \\ \hline \end{array}$ | $\begin{gathered} 3,700 \\ (69) \end{gathered}$ |
| 95 | $\begin{aligned} & 7,580 \\ & (48.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 5,740 \\ & (51.5) \end{aligned}$ |  | $\begin{gathered} 6,130 \\ (58) \end{gathered}$ | $\begin{aligned} & \hline 3,640 \\ & (63.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 3,700 \\ & (66.5) \\ & \hline \end{aligned}$ |
| 100 | $\begin{aligned} & \hline 7,060 \\ & (45.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 5,650 \\ & (48.5) \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \hline 5,730 \\ & (55.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 3,550 \\ (61) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 3,700 \\ (64) \\ \hline \end{gathered}$ |
| 110 | $\begin{aligned} & 5,600 \\ & (38.5) \end{aligned}$ | $\begin{aligned} & 5,510 \\ & (41.5) \end{aligned}$ |  | $\begin{gathered} 5,060 \\ (51) \end{gathered}$ | $\begin{gathered} 3,420 \\ (56) \end{gathered}$ | $\begin{gathered} 3,480 \\ (59) \end{gathered}$ |
| 120 | $\begin{aligned} & 4,400 \\ & (30.5) \\ & \hline \end{aligned}$ |  |  | $\begin{gathered} 4,510 \\ (46) \\ \hline \end{gathered}$ | $\begin{gathered} 3,320 \\ (51) \end{gathered}$ |  |
| 130 | $\begin{aligned} & 3,400 \\ & (18.5) \\ & \hline \end{aligned}$ |  |  | $\begin{gathered} 4,050 \\ (40) \end{gathered}$ | $\begin{gathered} 3,280 \\ (45) \end{gathered}$ |  |
| 140 |  |  |  | $\begin{aligned} & \hline 3,190 \\ & (33.5) \end{aligned}$ | $\begin{aligned} & 2,320 \\ & (37.5) \\ & \hline \end{aligned}$ |  |
| 150 |  |  |  | $\begin{aligned} & \hline 2,460 \\ & (24.5) \end{aligned}$ |  |  |
|  |  | No Loa | tability D |  |  |  |
| Minimum boom angle (deg.) for indicated length | 2 | 25 | 45 | 2 | 25 | 45 |
| Maximum boom length (ft.) at 0 deg. boom angle |  | 110 |  |  | 110 |  |

NOTE: ( ) Boom angles are in degrees.
\#LMI operating code. Refer to LMI manual for operating instructions.
*This capacity is based on maximum boom angle.

1. All capacities above the bold line are based on structural strength of boom extension and do not exceed $85 \%$ of tipping loads, in accordance with SAE J-765 NOV93.
2. 31 ft . and 56 ft . folding boom extension lengths may be used for single line lifting service only.
3. For main boom lengths less than 110 ft ., rated loads are determined by boom angle. Use only the column which corresponds to the boom extension length and offset for which the machine is set up. For boom angles not shown, use rating of the next lower boom angle.
4. WARNING: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
5. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
6. Capacities listed are with outriggers properly extended and vertical jacks set only.

## RATED LIFTING CAPACITIES IN POUNDS WITH 8,500 LB. COUNTERWEIGHT 36 FT. - 110 FT. BOOM

ON OUTRIGGERS FULLY EXTENDED - $360^{\circ}$

| Radius in Feet | \#0001 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Main Boom Length in Feet |  |  |  |  |  |  |  |
|  | 36 | 50 | *60 | 70 | 80 | 90 | 100 | 110 |
| 10 | $\begin{gathered} 150,000+ \\ (68) \end{gathered}$ | $\begin{gathered} 109,500 \\ (75) \\ \hline \end{gathered}$ | $\begin{gathered} 84,200 \\ (78) \\ \hline \end{gathered}$ | $\begin{gathered} \hline * 56,450 \\ (80) \\ \hline \end{gathered}$ |  |  |  |  |
| 12 | $\begin{gathered} 110,500 \\ (64) \\ \hline \end{gathered}$ | $\begin{gathered} 104,500 \\ (72.5) \\ \hline \end{gathered}$ | $\begin{gathered} 79,850 \\ (76) \end{gathered}$ | $\begin{gathered} 56,450 \\ (78.5) \end{gathered}$ |  |  |  |  |
| 15 | $\begin{gathered} \hline 96,800 \\ (58.5) \end{gathered}$ | $\begin{gathered} 91,400 \\ (69) \end{gathered}$ | $\begin{gathered} 73,900 \\ (73) \end{gathered}$ | $\begin{gathered} 56,450 \\ (76) \\ \hline \end{gathered}$ | $\begin{gathered} 56,500 \\ (78.5) \\ \hline \end{gathered}$ | $\begin{gathered} * * 47,850 \\ (80) \end{gathered}$ |  |  |
| 20 | $\begin{gathered} 72,000 \\ (47) \\ \hline \end{gathered}$ | $\begin{gathered} 71,850 \\ (62) \end{gathered}$ | $\begin{gathered} \hline 59,600 \\ (67.5) \end{gathered}$ | $\begin{gathered} 56,450 \\ (715) \end{gathered}$ | $\begin{gathered} \hline 50,950 \\ (74.5) \end{gathered}$ | $\begin{gathered} 41,000 \\ (77) \\ \hline \end{gathered}$ | $\begin{gathered} 40,350 \\ (79) \end{gathered}$ | $\begin{gathered} \hline * 27,350 \\ (80) \\ \hline \end{gathered}$ |
| 25 | $\begin{gathered} \hline 54,450 \\ (32.5) \end{gathered}$ | $\begin{gathered} \hline 54,350 \\ (55) \\ \hline \end{gathered}$ | $\begin{gathered} 50,000 \\ (62.5) \end{gathered}$ | $\begin{gathered} 48,900 \\ (67) \\ \hline \end{gathered}$ | $\begin{gathered} 43,800 \\ (71) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 35,250 \\ (73.5) \\ \hline \end{gathered}$ | $\begin{gathered} 34,750 \\ (76) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 27,350 \\ (78.5) \\ \hline \end{gathered}$ |
| 30 |  | $\begin{gathered} 42,900 \\ (47) \end{gathered}$ | $\begin{array}{r} 42,300 \\ (56.5) \\ \hline \end{array}$ | $\begin{gathered} 41,900 \\ (62.5) \\ \hline \end{gathered}$ | $\begin{gathered} 38,300 \\ (67) \\ \hline \end{gathered}$ | $\begin{gathered} 31,050 \\ (70.5) \end{gathered}$ | $\begin{gathered} 30,450 \\ (73) \\ \hline \end{gathered}$ | $\begin{gathered} 27,350 \\ (75.5) \end{gathered}$ |
| 35 |  | $\begin{gathered} 32,300 \\ (37.5) \\ \hline \end{gathered}$ | $\begin{gathered} 32,600 \\ (50) \\ \hline \end{gathered}$ | $\begin{gathered} 33,900 \\ (57.5) \\ \hline \end{gathered}$ | $\begin{gathered} 33,900 \\ (63) \end{gathered}$ | $\begin{gathered} 27,650 \\ (67) \\ \hline \end{gathered}$ | $\begin{gathered} 27,000 \\ (70) \\ \hline \end{gathered}$ | $\begin{gathered} 25,300 \\ (72.5) \\ \hline \end{gathered}$ |
| 40 |  | $\begin{gathered} 24,300 \\ (24.5) \\ \hline \end{gathered}$ | $\begin{gathered} 25,450 \\ (43) \end{gathered}$ | $\begin{gathered} 26,500 \\ (52) \\ \hline \end{gathered}$ | $\begin{gathered} 27,450 \\ (58.5) \\ \hline \end{gathered}$ | $\begin{gathered} 24,350 \\ (63) \\ \hline \end{gathered}$ | $\begin{gathered} 24,250 \\ (67) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 22,900 \\ (70) \\ \hline \end{gathered}$ |
| 45 |  |  | $\begin{gathered} 20,350 \\ (34.5) \end{gathered}$ | $\begin{gathered} \hline 21,200 \\ (46.5) \end{gathered}$ | $\begin{gathered} 22,150 \\ (54) \end{gathered}$ | $\begin{gathered} 22,050 \\ (59.5) \end{gathered}$ | $\begin{gathered} 21,900 \\ (63.5) \\ \hline \end{gathered}$ | $\begin{gathered} 20,850 \\ (67) \end{gathered}$ |
| 50 |  |  | $\begin{gathered} 16,300 \\ (23) \\ \hline \end{gathered}$ | $\begin{aligned} & 17,250 \\ & (39.5) \end{aligned}$ | $\begin{gathered} 18,150 \\ (49) \end{gathered}$ | $\begin{aligned} & 19,100 \\ & (55.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 19,450 \\ (60) \end{gathered}$ | $\begin{gathered} 19,100 \\ (64) \end{gathered}$ |
| 55 |  |  |  | $\begin{gathered} 14,150 \\ (32) \\ \hline \end{gathered}$ | $\begin{gathered} 15,050 \\ (43.5) \end{gathered}$ | $\begin{gathered} 15,950 \\ (51) \\ \hline \end{gathered}$ | $\begin{gathered} 16,300 \\ (56.5) \end{gathered}$ | $\begin{gathered} 16,700 \\ (61) \\ \hline \end{gathered}$ |
| 60 |  |  |  | $\begin{gathered} 11,600 \\ (21) \end{gathered}$ | $\begin{gathered} 12,600 \\ (37.5) \\ \hline \end{gathered}$ | $\begin{aligned} & 13,400 \\ & (46.5) \end{aligned}$ | $\begin{gathered} 13,800 \\ (53) \end{gathered}$ | $\begin{aligned} & \hline 14,150 \\ & (57.5) \end{aligned}$ |
| 65 |  |  |  |  | $\begin{gathered} 10,550 \\ (30) \\ \hline \end{gathered}$ | $\begin{aligned} & 11,400 \\ & (41.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 11,750 \\ (49) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 12,150 \\ & (54.5) \\ & \hline \end{aligned}$ |
| 70 |  |  |  |  | $\begin{gathered} 8,830 \\ (20) \end{gathered}$ | $\begin{aligned} & 9,720 \\ & (35.5) \end{aligned}$ | $\begin{gathered} 10,050 \\ (44.5) \end{gathered}$ | $\begin{aligned} & 10,450 \\ & (50.5) \end{aligned}$ |
| 75 |  |  |  |  |  | $\begin{gathered} 8,300 \\ (29) \\ \hline \end{gathered}$ | $\begin{aligned} & 8,670 \\ & (39.5) \end{aligned}$ | $\begin{gathered} 9,060 \\ (47) \end{gathered}$ |
| 80 |  |  |  |  |  | $\begin{gathered} 7,070 \\ (19) \\ \hline \end{gathered}$ | $\begin{aligned} & 7,460 \\ & (34.5) \end{aligned}$ | $\begin{gathered} 7,850 \\ (43) \\ \hline \end{gathered}$ |
| 85 |  |  |  |  |  |  | $\begin{gathered} 6,420 \\ (28) \end{gathered}$ | $\begin{aligned} & 6,810 \\ & (38.5) \end{aligned}$ |
| 90 |  |  |  |  |  |  | $\begin{aligned} & \hline 5,510 \\ & (18.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 5,900 \\ (33) \end{gathered}$ |
| 95 |  |  |  |  |  |  |  | $\begin{gathered} 5,100 \\ (27) \end{gathered}$ |
| 100 |  |  |  |  |  |  |  | $\begin{aligned} & 4,390 \\ & (18.5) \end{aligned}$ |
| Minimum boom angle (deg.) for indicated length (no load) |  |  |  |  |  |  |  | 0 |
| Maximum boom length (ft.) at 0 degree boom angle (no load) |  |  |  |  |  |  |  | 110 |

NOTE: ( ) Boom angles are in degrees.
\#LMI operating code. Refer to LMI manual for instructions.
**This capacity is based on maximum boom angle.

| Lifting Capacities On Outriggers Fully Extended - $\mathbf{3 6 0}{ }^{\circ}$ At Zero Degree Boom Angle |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Boom | Main Boom Length in Feet |  |  |  |  |  |  |  |  |
|  | 36 | 50 | ${ }^{*} 60$ | 70 | 80 | 90 | 100 | 110 |  |
| $0^{\circ}$ | 27,600 | 16,200 | 11,350 | 9,150 | 7,410 | 6,040 | 4,950 | 4,010 |  |
|  | $(28.3)$ | $(42.8)$ | $(53.1)$ | $(62.8)$ | $(72.8)$ | $(82.8)$ | $(92.8)$ | $(102.8)$ |  |

NOTE: ( ) Reference radii in feet.
*60 ft. boom length is with inner-mid extended and outer-mid \& fly retracted.
+12 parts line required to lift this capacity (using aux. boom nose). Refer to Operator's and Safety Handbook for reeving diagram.

## 31 FT. - 56 FT. FOLDING BOOM EXTENSION WITH 8,500 LB. COUNTERWEIGHT

## ON OUTRIGGERS FULLY EXTENDED - 360º

| Radius <br> in <br> Feet | 31 FT . LENGTH |  |  | 56 FT. LENGTH |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \#0021 | \#0022 | \#0023 | \#0041 | \#0042 | \#0043 |
|  | $\begin{gathered} 1.5^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 25^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} \hline 45^{\circ} \\ \text { OFFSET } \\ \hline \end{gathered}$ | $\begin{gathered} 1.5^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 25^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} \hline 45^{\circ} \\ \text { OFFSET } \end{gathered}$ |
| 25 | $\begin{gathered} \hline \text { *12,900 } \\ (80) \\ \hline \end{gathered}$ |  |  |  |  |  |
| 30 | $\begin{aligned} & 12,900 \\ & (78.5) \end{aligned}$ |  |  |  |  |  |
| 35 | $\begin{aligned} & 12,900 \\ & (76.5) \end{aligned}$ | $\begin{array}{r} 8,340 \\ (79.5) \\ \hline \end{array}$ |  | $\begin{array}{r} 8,220 \\ (79.5) \\ \hline \end{array}$ |  |  |
| 40 | $\begin{aligned} & 12,750 \\ & (74.5) \end{aligned}$ | $\begin{aligned} & 8,020 \\ & (77.5) \\ & \hline \end{aligned}$ | $\begin{gathered} * 6,370 \\ (80) \\ \hline \end{gathered}$ | $\begin{gathered} 8,220 \\ (78) \end{gathered}$ |  |  |
| 45 | $\begin{aligned} & 12,350 \\ & (72.5) \end{aligned}$ | $\begin{gathered} \hline 7,730 \\ (76) \\ \hline \end{gathered}$ | $\begin{gathered} 6,300 \\ (79) \\ \hline \end{gathered}$ | $\begin{array}{r} 8,220 \\ (76.5) \\ \hline \end{array}$ |  |  |
| 50 | $\begin{aligned} & 11,500 \\ & (70.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 7,390 \\ (74) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6,250 \\ (77) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 8,220 \\ (75) \\ \hline \end{gathered}$ | $\begin{gathered} * 4,780 \\ (80) \\ \hline \end{gathered}$ |  |
| 55 | $\begin{aligned} & 10,950 \\ & (68.5) \end{aligned}$ | $\begin{gathered} 7,130 \\ (72) \end{gathered}$ | $\begin{aligned} & 6,190 \\ & (74.5) \end{aligned}$ | $\begin{gathered} 8,220 \\ (74) \end{gathered}$ | $\begin{aligned} & 4,640 \\ & (79.5) \end{aligned}$ |  |
| 60 | $\begin{aligned} & 10,400 \\ & (66.5) \end{aligned}$ | $\begin{aligned} & 6,870 \\ & (69.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 6,120 \\ (72) \\ \hline \end{gathered}$ | $\begin{gathered} 8,220 \\ (72) \\ \hline \end{gathered}$ | $\begin{gathered} 4,490 \\ (78) \\ \hline \end{gathered}$ |  |
| 65 | $\begin{gathered} \hline 9,960 \\ (64) \end{gathered}$ | $\begin{aligned} & 6,660 \\ & (67.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 6,090 \\ & (69.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 8,220 \\ (70) \end{gathered}$ | $\begin{gathered} 4,340 \\ (76) \end{gathered}$ | $\begin{gathered} * 3,770 \\ (80) \\ \hline \end{gathered}$ |
| 70 | $\begin{aligned} & \hline 9,480 \\ & (61.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6,450 \\ (65) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6,050 \\ (67) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 8,080 \\ (68) \\ \hline \end{gathered}$ | $\begin{gathered} 4,190 \\ (74) \\ \hline \end{gathered}$ | $\begin{gathered} 3,740 \\ (78) \\ \hline \end{gathered}$ |
| 75 | $\begin{gathered} 9,060 \\ (59) \end{gathered}$ | $\begin{aligned} & 6,280 \\ & (62.5) \end{aligned}$ | $\begin{aligned} & 6,050 \\ & (64.5) \end{aligned}$ | $\begin{gathered} 7,650 \\ (66) \end{gathered}$ | $\begin{gathered} 4,070 \\ (72) \end{gathered}$ | $\begin{gathered} 3,720 \\ (76) \end{gathered}$ |
| 80 | $\begin{aligned} & 8,630 \\ & (56.5) \end{aligned}$ | $\begin{gathered} \hline 6,110 \\ (60) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6,050 \\ (62) \\ \hline \end{gathered}$ | $\begin{gathered} 7,220 \\ (64) \\ \hline \end{gathered}$ | $\begin{gathered} 3,940 \\ (70) \end{gathered}$ | $\begin{array}{r} 3,700 \\ (73.5) \\ \hline \end{array}$ |
| 85 | $\begin{gathered} 7,910 \\ (54) \\ \hline \end{gathered}$ | $\begin{array}{r} 5,970 \\ (57.5) \\ \hline \end{array}$ | $\begin{gathered} \hline 6,050 \\ (59) \end{gathered}$ | $\begin{gathered} \hline 6,870 \\ (62) \end{gathered}$ | $\begin{aligned} & 3,830 \\ & (67.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 3,700 \\ & (71.5) \\ & \hline \end{aligned}$ |
| 90 | $\begin{gathered} \hline 6,950 \\ (51) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 5,840 \\ & (54.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6,050 \\ (56) \end{gathered}$ | $\begin{gathered} \hline 6,530 \\ (60) \\ \hline \end{gathered}$ | $\begin{array}{r} 3,730 \\ (65.5) \\ \hline \end{array}$ | $\begin{gathered} \hline 3,700 \\ (69) \\ \hline \end{gathered}$ |
| 95 | $\begin{array}{r} 6,120 \\ (48.5) \\ \hline \end{array}$ | $\begin{array}{r} 5,740 \\ (51.5) \\ \hline \end{array}$ |  | $\begin{gathered} 6,130 \\ (58) \\ \hline \end{gathered}$ | $\begin{array}{r} 3,640 \\ (63.5) \\ \hline \end{array}$ | $\begin{array}{r} 3,700 \\ (66.5) \\ \hline \end{array}$ |
| 100 | $\begin{aligned} & \hline 5,370 \\ & (45.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 5,650 \\ & (48.5) \end{aligned}$ |  | $\begin{aligned} & \hline 5,730 \\ & (55.5) \end{aligned}$ | $\begin{gathered} \hline 3,550 \\ (61) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 3,700 \\ (64) \\ \hline \end{gathered}$ |
| 110 | $\begin{aligned} & \hline 4,120 \\ & (38.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 4,360 \\ & (41.5) \\ & \hline \end{aligned}$ |  | $\begin{gathered} 4,820 \\ (51) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 3,420 \\ (56) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 3,480 \\ (59) \end{gathered}$ |
| 120 | $\begin{aligned} & 3,090 \\ & (30.5) \end{aligned}$ |  |  | $\begin{gathered} 3,780 \\ (46) \end{gathered}$ | $\begin{gathered} 3,320 \\ (51) \end{gathered}$ |  |
| 130 | $\begin{aligned} & \hline 2,240 \\ & (18.5) \end{aligned}$ |  |  | $\begin{gathered} \hline 2,920 \\ (40) \end{gathered}$ | $\begin{gathered} \hline 3,280 \\ (45) \end{gathered}$ |  |
| 140 |  |  |  | $\begin{array}{r} 2,200 \\ (33.5) \\ \hline \end{array}$ | $\begin{aligned} & 2,320 \\ & (37.5) \end{aligned}$ |  |
| 150 |  |  |  | $\begin{array}{r} 1,580 \\ (24.5) \\ \hline \end{array}$ |  |  |
| No Load Stability Data |  |  |  |  |  |  |
| Minimum boom angle (deg.) for indicated length | 2 | 25 | 45 | 2 | 25 | 45 |
| Maximum boom length (ft.) at 0 deg. boom angle | 110 |  |  | 110 |  |  |

NOTE: ( ) Boom angles are in degrees.
\#LMI operating code. Refer to LMI manual for operating instructions.
*This capacity is based on maximum boom angle.

1. All capacities above the bold line are based on structural strength of boom extension and do not exceed $85 \%$ of tipping loads, in accordance with SAE J-765 NOV93.
2. 31 ft . and 56 ft . folding boom extension lengths may be used for single line lifting service only.
3. For main boom lengths less than 110 ft ., rated loads are determined by boom angle. Use only the column which corresponds to the boom extension length and offset for which the machine is set up. For boom angles not shown, use rating of the next lower boom angle.
4. WARNING: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
5. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
6. Capacities listed are with outriggers properly extended and vertical jacks set only.

## Working Range



## RATED LIFTING CAPACITIES INPOUNDSWITH18,000 LB. COUNTERWEIGHT

 40FT. - 125 FT. BOOMON OUTRIGGERS FULLY EXTENDED - $360^{\circ}$

| Radius in Feet | \#0001 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Main Boom Length in Feet |  |  |  |  |  |  |  |  |  |
|  | 40 | 45 | 55 | 65 | 75 | 85 | 95 | 105 | 115 | 125 |
| 10 | $\begin{gathered} +150,000 \\ (70) \end{gathered}$ | $\begin{gathered} 105,000 \\ (72.5) \end{gathered}$ |  |  |  |  |  |  |  |  |
| 12 | $\begin{gathered} 123,500 \\ (67) \end{gathered}$ | $\begin{gathered} 105,000 \\ (70) \end{gathered}$ | $\begin{gathered} 94,600 \\ (74) \end{gathered}$ |  |  |  |  |  |  |  |
| 15 | $\begin{gathered} 108,000 \\ (61.5) \end{gathered}$ | $\begin{gathered} 104,000 \\ (65.5) \end{gathered}$ | $\begin{gathered} 88,250 \\ (70.5) \end{gathered}$ | $\begin{gathered} 71,050 \\ (74) \end{gathered}$ |  |  |  |  |  |  |
| 20 | $\begin{gathered} 84,200 \\ (52.5) \end{gathered}$ | $\begin{gathered} 83,650 \\ (58) \end{gathered}$ | $\begin{gathered} 76,350 \\ (65) \end{gathered}$ | $\begin{gathered} 60,400 \\ (69.5) \end{gathered}$ | $\begin{gathered} 55,250 \\ (72.5) \end{gathered}$ | $\begin{gathered} 48,150 \\ (75) \end{gathered}$ |  |  |  |  |
| 25 | $\begin{gathered} 64,050 \\ (41.5) \end{gathered}$ | $\begin{gathered} 63,550 \\ (49.5) \end{gathered}$ | $\begin{gathered} 62,850 \\ (58.5) \end{gathered}$ | $\begin{gathered} 56,100 \\ (64.5) \end{gathered}$ | $\begin{gathered} 47,950 \\ (68.5) \end{gathered}$ | $\begin{gathered} 41,700 \\ (71.5) \end{gathered}$ | $\begin{gathered} 38,000 \\ (73.5) \end{gathered}$ | $\begin{gathered} 33,350 \\ (75.5) \end{gathered}$ |  |  |
| 30 | $\begin{gathered} 50,750 \\ (26) \end{gathered}$ | $\begin{gathered} 50,350 \\ (39.5) \end{gathered}$ | $\begin{gathered} 49,700 \\ (52) \end{gathered}$ | $\begin{gathered} 48,250 \\ (59) \end{gathered}$ | $\begin{gathered} 41,950 \\ (64) \end{gathered}$ | $\begin{gathered} 36,700 \\ (67.5) \end{gathered}$ | $\begin{gathered} 33,300 \\ (70.5) \end{gathered}$ | $\begin{gathered} 30,750 \\ (72.5) \end{gathered}$ | $\begin{gathered} 24,550 \\ (75) \end{gathered}$ | $\begin{gathered} * 23,700 \\ (76.5) \end{gathered}$ |
| 35 |  | $\begin{gathered} 40,350 \\ (26) \end{gathered}$ | $\begin{gathered} 39,750 \\ (44.5) \end{gathered}$ | $\begin{gathered} 39,250 \\ (53.5) \end{gathered}$ | $\begin{gathered} 36,250 \\ (59.5) \end{gathered}$ | $\begin{gathered} 32,600 \\ (64) \end{gathered}$ | $\begin{gathered} 29,550 \\ (67) \end{gathered}$ | $\begin{gathered} 27,300 \\ (69.5) \end{gathered}$ | $\begin{gathered} 21,700 \\ (72) \end{gathered}$ | $\begin{gathered} 21,900 \\ (74) \end{gathered}$ |
| 40 |  |  | $\begin{gathered} 31,250 \\ (35.5) \end{gathered}$ | $\begin{gathered} 31,250 \\ (47.5) \\ \hline \end{gathered}$ | $\begin{gathered} 31,500 \\ (55) \\ \hline \end{gathered}$ | $\begin{gathered} 29,000 \\ (60) \end{gathered}$ | $\begin{gathered} 26,450 \\ (63.5) \end{gathered}$ | $\begin{gathered} 24,450 \\ (66.5) \end{gathered}$ | $\begin{aligned} & 19,350 \\ & (69.5) \end{aligned}$ | $\begin{gathered} 20,300 \\ (71.5) \end{gathered}$ |
| 45 |  |  | $\begin{gathered} 24,250 \\ (23) \end{gathered}$ | $\begin{gathered} 25,050 \\ (40.5) \end{gathered}$ | $\begin{gathered} 25,350 \\ (49.5) \end{gathered}$ | $\begin{array}{r} 25,750 \\ (55.5) \\ \hline \end{array}$ | $\begin{gathered} 23,850 \\ (60) \end{gathered}$ | $\begin{array}{r} 22,000 \\ (63.5) \\ \hline \end{array}$ | $\begin{aligned} & 17,450 \\ & (66.5) \end{aligned}$ | $\begin{gathered} 18,800 \\ (69) \end{gathered}$ |
| 50 |  |  |  | $\begin{gathered} 20,000 \\ (32.5) \end{gathered}$ | $\begin{gathered} 20,750 \\ (44) \end{gathered}$ | $\begin{gathered} 21,750 \\ (51.5) \end{gathered}$ | $\begin{array}{r} 21,300 \\ (56.5) \\ \hline \end{array}$ | $\begin{aligned} & 19,850 \\ & (60.5) \end{aligned}$ | $\begin{gathered} 15,800 \\ (64) \end{gathered}$ | $\begin{aligned} & 17,050 \\ & (66.5) \end{aligned}$ |
| 55 |  |  |  | $\begin{gathered} 12,900 \\ (21) \end{gathered}$ | $\begin{gathered} 17,050 \\ (38) \end{gathered}$ | $\begin{gathered} 18,100 \\ (46.5) \end{gathered}$ | $\begin{aligned} & 19,000 \\ & (52.5) \end{aligned}$ | $\begin{gathered} 17,950 \\ (57) \end{gathered}$ | $\begin{gathered} 14,550 \\ (61) \end{gathered}$ | $\begin{gathered} 15,600 \\ (64) \end{gathered}$ |
| 60 |  |  |  |  | $\begin{gathered} 14,150 \\ (30) \\ \hline \end{gathered}$ | $\begin{gathered} 15,100 \\ (41.5) \end{gathered}$ | $\begin{aligned} & 16,000 \\ & (48.5) \end{aligned}$ | $\begin{aligned} & 16,050 \\ & (53.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 13,250 \\ (58) \\ \hline \end{gathered}$ | $\begin{aligned} & 14,150 \\ & (61.5) \end{aligned}$ |
| 65 |  |  |  |  | $\begin{aligned} & 9,420 \\ & (19.5) \end{aligned}$ | $\begin{aligned} & 12,650 \\ & (35.5) \end{aligned}$ | $\begin{gathered} 13,550 \\ (44) \end{gathered}$ | $\begin{gathered} 14,050 \\ (50) \end{gathered}$ | $\begin{gathered} 12,300 \\ (55) \end{gathered}$ | $\begin{aligned} & 13,000 \\ & (58.5) \end{aligned}$ |
| 70 |  |  |  |  |  | $\begin{gathered} 10,600 \\ (28.5) \\ \hline \end{gathered}$ | $\begin{gathered} 11,450 \\ (39) \\ \hline \end{gathered}$ | $\begin{gathered} 12,000 \\ (46) \end{gathered}$ | $\begin{aligned} & 11,400 \\ & (51.5) \end{aligned}$ | $\begin{aligned} & 11,850 \\ & (55.5) \end{aligned}$ |
| 75 |  |  |  |  |  | $\begin{aligned} & 7,250 \\ & (18.5) \end{aligned}$ | $\begin{aligned} & 9,700 \\ & (33.5) \end{aligned}$ | $\begin{gathered} 10,250 \\ (42) \end{gathered}$ | $\begin{gathered} 10,600 \\ (48) \\ \hline \end{gathered}$ | $\begin{aligned} & 10,750 \\ & (52.5) \end{aligned}$ |
| 80 |  |  |  |  |  |  | $\begin{gathered} 8,190 \\ (27) \end{gathered}$ | $\begin{aligned} & 8,740 \\ & (37.5) \end{aligned}$ | $\begin{aligned} & 9,290 \\ & (44.5) \end{aligned}$ | $\begin{aligned} & 9,660 \\ & (49.5) \end{aligned}$ |
| 85 |  |  |  |  |  |  | $\begin{aligned} & 5,620 \\ & (17.5) \end{aligned}$ | $\begin{gathered} 7,430 \\ (32) \end{gathered}$ | $\begin{aligned} & 7,970 \\ & (40.5) \end{aligned}$ | $\begin{aligned} & 8,470 \\ & (46.5) \end{aligned}$ |
| 90 |  |  |  |  |  |  |  | $\begin{aligned} & 6,280 \\ & (25.5) \end{aligned}$ | $\begin{gathered} 6,810 \\ (36) \end{gathered}$ | $\begin{aligned} & 7,320 \\ & (42.5) \end{aligned}$ |
| 95 |  |  |  |  |  |  |  | $\begin{aligned} & 4,410 \\ & (16.5) \end{aligned}$ | $\begin{gathered} 5,800 \\ (31) \end{gathered}$ | $\begin{gathered} 6,300 \\ (39) \end{gathered}$ |
| 100 |  |  |  |  |  |  |  |  | $\begin{gathered} 4,890 \\ (25) \\ \hline \end{gathered}$ | $\begin{aligned} & 5,390 \\ & (34.5) \end{aligned}$ |
| 105 |  |  |  |  |  |  |  |  | $\begin{aligned} & 3,300 \\ & (16.5) \end{aligned}$ | $\begin{gathered} 4,560 \\ (30) \end{gathered}$ |
| 110 |  |  |  |  |  |  |  |  |  | $\begin{gathered} 3,820 \\ (24) \end{gathered}$ |
| Minimum boom angle (deg.) for indicated length (no load) |  |  |  |  |  |  |  |  |  | 0 |
| Maximum boom length (ft. ) at 0 degree boom angle (no load) |  |  |  |  |  |  |  |  |  | 125 |

NOTE: ( ) Boom angles are in degrees.
*Based on maximum obtainable boom angle.
\#LMI operating code. Refer to LMI manual for operating instructions.
+12 parts line required to lift this capacity (using aux. boom nose). Refer to Operator's and Safety Handbook for reeving diagram.

| Lifting Capacities at Zero Degree Boom Angle |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Boom Angle | Main Boom Length in Feet |  |  |  |  |  |  |  |  |  |
|  | 40 | 45 | 55 | 65 | 75 | 85 | 95 | 105 | 115 |  |
| $0^{\circ}$ | $\begin{gathered} 22,800 \\ (32.3) \end{gathered}$ | $\begin{aligned} & 18,250 \\ & (37.8) \end{aligned}$ | $\begin{aligned} & 12,200 \\ & (47.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & 7,990 \\ & (57.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & 5,720 \\ & (67.8) \end{aligned}$ | $\begin{aligned} & 4,320 \\ & (77.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & 3,210 \\ & (87.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & 2,380 \\ & (97.8) \end{aligned}$ | $\begin{gathered} 1,570 \\ (107.8) \\ \hline \end{gathered}$ |  |

Note: ( ) Reference radii are in feet.

## ON OUTRIGGERS FULLY EXTENDED - 360

| Radius in Feet | **35 ft. LENGTH |  | 60 ft . LENGTH |  |
| :---: | :---: | :---: | :---: | :---: |
|  | \#0021 | \#0023 | \#0041 | \#0043 |
|  | $2^{\circ}$ OFFSET | $30^{\circ}$ OFFSET | $2^{\circ}$ OFFSET | $30^{\circ}$ OFFSET |
| 40 | $\begin{gathered} * 12,900 \\ (76.5) \end{gathered}$ |  |  |  |
| 45 | $\begin{aligned} & 11,600 \\ & (75.5) \end{aligned}$ |  |  |  |
| 50 | $\begin{gathered} 10,900 \\ (73.5) \end{gathered}$ |  | $\begin{aligned} & * 6,700 \\ & (76.5) \end{aligned}$ |  |
| 55 | $\begin{gathered} 10,300 \\ (71.5) \end{gathered}$ | $\begin{aligned} & * 7,500 \\ & (76.5) \end{aligned}$ | $\begin{gathered} 6,320 \\ (75) \end{gathered}$ |  |
| 60 | $\begin{aligned} & 9,750 \\ & (69.5) \end{aligned}$ | $\begin{aligned} & 7,250 \\ & (74.5) \end{aligned}$ | $\begin{aligned} & 6,000 \\ & (73.5) \end{aligned}$ |  |
| 65 | $\begin{aligned} & 9,250 \\ & (67.5) \end{aligned}$ | $\begin{aligned} & 7,110 \\ & (72.5) \end{aligned}$ | $\begin{aligned} & 5,630 \\ & (71.5) \end{aligned}$ |  |
| 70 | $\begin{aligned} & 8,810 \\ & (65.5) \end{aligned}$ | $\begin{aligned} & 6,980 \\ & (70.5) \end{aligned}$ | $\begin{gathered} 5,260 \\ (70) \end{gathered}$ |  |
| 75 | $\begin{aligned} & 8,400 \\ & (63.5) \end{aligned}$ | $\begin{gathered} 6,860 \\ (68) \end{gathered}$ | $\begin{aligned} & 4,900 \\ & (68.5) \end{aligned}$ | $\begin{aligned} & * 4,000 \\ & (76.5) \end{aligned}$ |
| 80 | $\begin{aligned} & 8,030 \\ & (61.5) \end{aligned}$ | $\begin{gathered} 6,750 \\ (66) \end{gathered}$ | $\begin{aligned} & 4,630 \\ & (66.5) \end{aligned}$ | $\begin{aligned} & 3,700 \\ & (74.5) \end{aligned}$ |
| 85 | $\begin{gathered} 7,690 \\ (59) \end{gathered}$ | $\begin{gathered} 6,650 \\ (64) \end{gathered}$ | $\begin{gathered} 4,360 \\ (65) \end{gathered}$ | $\begin{aligned} & 3,500 \\ & (72.5) \end{aligned}$ |
| 90 | $\begin{gathered} 7,370 \\ (57) \end{gathered}$ | $\begin{aligned} & 6,560 \\ & (61.5) \end{aligned}$ | $\begin{gathered} 4,100 \\ (63) \end{gathered}$ | $\begin{gathered} 3,350 \\ (71) \end{gathered}$ |
| 95 | $\begin{aligned} & 6,710 \\ & (54.5) \end{aligned}$ | $\begin{gathered} 6,480 \\ (59) \end{gathered}$ | $\begin{gathered} 3,800 \\ (61) \end{gathered}$ | $\begin{gathered} 3,270 \\ (69) \end{gathered}$ |
| 100 | $\begin{aligned} & 5,820 \\ & (52.5) \end{aligned}$ | $\begin{aligned} & 5,790 \\ & (56.5) \end{aligned}$ | $\begin{aligned} & 3,640 \\ & (59.5) \end{aligned}$ | $\begin{gathered} 3,210 \\ (67) \end{gathered}$ |
| 105 | $\begin{gathered} 5,010 \\ (50) \end{gathered}$ | $\begin{gathered} 5,170 \\ (54) \end{gathered}$ | $\begin{aligned} & 3,490 \\ & (57.5) \end{aligned}$ | $\begin{gathered} 3,150 \\ (65) \end{gathered}$ |
| 110 | $\begin{aligned} & 4,290 \\ & (47.5) \end{aligned}$ | $\begin{aligned} & 4,590 \\ & (51.5) \end{aligned}$ | $\begin{aligned} & 3,350 \\ & (55.5) \end{aligned}$ | $\begin{gathered} 3,100 \\ (63) \end{gathered}$ |
| 115 | $\begin{aligned} & 3,630 \\ & (44.5) \end{aligned}$ | $\begin{aligned} & 4,060 \\ & (48.5) \end{aligned}$ | $\begin{aligned} & 3,220 \\ & (53.5) \end{aligned}$ | $\begin{gathered} 3,050 \\ (61) \end{gathered}$ |
| 120 | $\begin{aligned} & 3,040 \\ & (41.5) \end{aligned}$ | $\begin{aligned} & 3,550 \\ & (45.5) \end{aligned}$ | $\begin{gathered} 3,100 \\ (51) \end{gathered}$ | $\begin{aligned} & 3,010 \\ & (58.5) \end{aligned}$ |
| 125 | $\begin{aligned} & 2,500 \\ & (38.5) \end{aligned}$ | $\begin{aligned} & 2,960 \\ & (42.5) \end{aligned}$ | $\begin{gathered} 2,990 \\ (49) \end{gathered}$ | $\begin{aligned} & 2,970 \\ & (56.5) \end{aligned}$ |
| 130 | $\begin{gathered} 2,000 \\ (35) \end{gathered}$ | $\begin{gathered} 2,410 \\ (39) \end{gathered}$ | $\begin{gathered} 2,770 \\ (47) \end{gathered}$ | $\begin{gathered} 2,770 \\ (54) \end{gathered}$ |
| 135 | $\begin{aligned} & 1,540 \\ & (31.5) \end{aligned}$ |  | $\begin{aligned} & 2,430 \\ & (44.5) \end{aligned}$ | $\begin{aligned} & 2,400 \\ & (51.5) \end{aligned}$ |
| 140 | $\begin{gathered} 1,120 \\ (27) \end{gathered}$ |  | $\begin{gathered} 2,120 \\ (42) \end{gathered}$ | $\begin{aligned} & 2,060 \\ & (48.5) \end{aligned}$ |
| 145 |  |  | $\begin{gathered} 1,820 \\ (39) \end{gathered}$ | $\begin{gathered} 1,730 \\ (46) \end{gathered}$ |
| 150 |  |  | $\begin{aligned} & 1,550 \\ & (36.5) \end{aligned}$ | $\begin{aligned} & 1,420 \\ & (42.5) \end{aligned}$ |
| 155 |  |  | $\begin{aligned} & 1,290 \\ & (33.5) \\ & \hline \end{aligned}$ | $\begin{array}{r} 1,120 \\ (39.5) \end{array}$ |

NOTE: ( ) Boom angles are in degrees.
A6-829-101454
*This capacity is based upon maximum boom angle.
** 35 ft . tele. length is also applicable to 35 ft . fixed length, however, the LMI codes will change to \#0051 and \#0053 for the $2^{\circ}$ and $30^{\circ}$ offset
respectively.
\#LMI operating code. Refer to LMI manual for instructions.

1. All capacities above the bold line are based on structural strength of boom extension.
2. 35 ft . and 60 ft . boom extension lengths may be used for single line lifting service only.
3. Radii listed are for a fully extended boom with the boom extension erected. For main boom lengths less than fully extended, the rated loads are determined by boom angle. Use only the column which corresponds to the boom extension length and offset for which the machine is configured. For boom angles not shown, use the rating of the next lower boom angle.

WARNING: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
4. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
5. Capacities listed are with outriggers fully extended and vertical jacks set only.
6. 35 FT. FIXED OR TELE. OFFSETTABLE BOOM EXTENSION WARNING: For main boom length greater than 115 ft . with 35 ft . fixed or tele. boom extension in working position, the boom angle must not be less than $24^{\circ}$ since loss of stability will occur causing a tipping condition. The boom angle is not restricted for main boom length equal to or less than 115 ft . This warning also applies for boom extension erection purposes.

60 FT. TELE. OFFSETTABLE BOOM EXTENSION WARNING: For main boom length greater than 105 ft . with 60 ft . tele. boom extension in working position, the boom angle must not be less than $30^{\circ}$ since loss of stability will occur causing a tipping condition. The boom angle is not restricted for main boom length equal to or less than 105 ft . This warning also applies for boom extension erection purposes.

## RATED LIFTING CAPACITIES IN POUNDS WITH 8,500 LB. COUNTERWEIGHT 40 FT. - 125 FT. BOOM

ON OUTRIGGERS FULLY EXTENDED - $360^{\circ}$

| Radius in Feet | \#0201 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Main Boom Length in Feet |  |  |  |  |  |  |  |  |  |
|  | 40 | 45 | 55 | 65 | 75 | 85 | 95 | 105 | 115 | 125 |
| 10 | $\begin{gathered} +150,000 \\ (70) \\ \hline \end{gathered}$ | $\begin{gathered} 105,000 \\ (72.5) \end{gathered}$ |  |  |  |  |  |  |  |  |
| 12 | $\begin{gathered} 123,500 \\ (67) \end{gathered}$ | $\begin{gathered} 105,000 \\ (70) \end{gathered}$ | $\begin{gathered} 94,600 \\ (74) \end{gathered}$ |  |  |  |  |  |  |  |
| 15 | $\begin{gathered} 108,000 \\ (61.5) \end{gathered}$ | $\begin{gathered} 104,000 \\ (65.5) \end{gathered}$ | $\begin{gathered} 88,250 \\ (70.5) \end{gathered}$ | $\begin{gathered} 71,050 \\ (74) \\ \hline \end{gathered}$ |  |  |  |  |  |  |
| 20 | $\begin{gathered} 77,400 \\ (52.5) \end{gathered}$ | $\begin{gathered} 76,900 \\ (58) \end{gathered}$ | $\begin{gathered} 76,150 \\ (65) \end{gathered}$ | $\begin{gathered} 60,400 \\ (69.5) \end{gathered}$ | $\begin{gathered} 55,250 \\ (72.5) \end{gathered}$ | $\begin{gathered} 48,150 \\ (75) \end{gathered}$ |  |  |  |  |
| 25 | $\begin{gathered} 58,650 \\ (41.5) \end{gathered}$ | $\begin{gathered} 58,150 \\ (49.5) \end{gathered}$ | $\begin{gathered} 57,500 \\ (58.5) \end{gathered}$ | $\begin{array}{r} 56,100 \\ (64.5) \\ \hline \end{array}$ | $\begin{gathered} 47,950 \\ (68.5) \end{gathered}$ | $\begin{gathered} 41,700 \\ (71.5) \end{gathered}$ | $\begin{gathered} 38,000 \\ (73.5) \end{gathered}$ | $\begin{gathered} 33,350 \\ (75.5) \end{gathered}$ |  |  |
| 30 | $\begin{gathered} 45,100 \\ (26) \end{gathered}$ | $\begin{gathered} 44,650 \\ (39.5) \end{gathered}$ | $\begin{gathered} 43,950 \\ (52) \\ \hline \end{gathered}$ | $\begin{gathered} 42,950 \\ (59) \end{gathered}$ | $\begin{gathered} 41,950 \\ (64) \\ \hline \end{gathered}$ | $\begin{gathered} 36,700 \\ (67.5) \end{gathered}$ | $\begin{gathered} 33,300 \\ (70.5) \end{gathered}$ | $\begin{gathered} 30,750 \\ (72.5) \end{gathered}$ | $\begin{gathered} 24,550 \\ (75) \end{gathered}$ | $\begin{gathered} \hline \text { *23,700 } \\ (76.5) \end{gathered}$ |
| 35 |  | $\begin{gathered} 34,450 \\ (26) \\ \hline \end{gathered}$ | $\begin{gathered} 33,650 \\ (44.5) \end{gathered}$ | $\begin{gathered} 32,250 \\ (53.5) \end{gathered}$ | $\begin{gathered} 32,800 \\ (59.5) \end{gathered}$ | $\begin{gathered} 32,600 \\ (64) \\ \hline \end{gathered}$ | $\begin{gathered} 29,550 \\ (67) \end{gathered}$ | $\begin{array}{r} 27,300 \\ (69.5) \end{array}$ | $\begin{gathered} 21,700 \\ (72) \\ \hline \end{gathered}$ | $\begin{gathered} 21,900 \\ (74) \\ \hline \end{gathered}$ |
| 40 |  |  | $\begin{gathered} 26,100 \\ (35.5) \end{gathered}$ | $\begin{gathered} 24,850 \\ (47.5) \end{gathered}$ | $\begin{gathered} 25,350 \\ (55) \end{gathered}$ | $\begin{gathered} 26,550 \\ (60) \end{gathered}$ | $\begin{gathered} 26,450 \\ (63.5) \\ \hline \end{gathered}$ | $\begin{gathered} 24,450 \\ (66.5) \end{gathered}$ | $\begin{aligned} & 19,350 \\ & (69.5) \end{aligned}$ | $\begin{gathered} 20,300 \\ (71.5) \end{gathered}$ |
| 45 |  |  | $\begin{gathered} 20,700 \\ (23) \end{gathered}$ | $\begin{aligned} & 19,500 \\ & (40.5) \end{aligned}$ | $\begin{aligned} & 19,850 \\ & (49.5) \end{aligned}$ | $\begin{gathered} 20,950 \\ (55.5) \\ \hline \end{gathered}$ | $\begin{gathered} 22,050 \\ (60) \end{gathered}$ | $\begin{array}{r} \hline 22,000 \\ (63.5) \\ \hline \end{array}$ | $\begin{aligned} & 17,450 \\ & (66.5) \end{aligned}$ | $\begin{gathered} 18,800 \\ (69) \end{gathered}$ |
| 50 |  |  |  | $\begin{aligned} & 15,450 \\ & (32.5) \end{aligned}$ | $\begin{gathered} 15,800 \\ (44) \end{gathered}$ | $\begin{aligned} & 16,850 \\ & (51.5) \end{aligned}$ | $\begin{aligned} & 17,850 \\ & (56.5) \end{aligned}$ | $\begin{aligned} & 18,450 \\ & (60.5) \end{aligned}$ | $\begin{gathered} 15,800 \\ (64) \end{gathered}$ | $\begin{aligned} & 17,050 \\ & (66.5) \end{aligned}$ |
| 55 |  |  |  | $\begin{gathered} \begin{array}{c} 11,700 \\ (21) \end{array} \\ \hline \end{gathered}$ | $\begin{gathered} 12,700 \\ (38) \\ \hline \end{gathered}$ | $\begin{aligned} & 13,650 \\ & (46.5) \end{aligned}$ | $\begin{aligned} & 14,650 \\ & (52.5) \end{aligned}$ | $\begin{gathered} 15,200 \\ (57) \\ \hline \end{gathered}$ | $\begin{gathered} 14,550 \\ (61) \end{gathered}$ | $\begin{gathered} 15,600 \\ (64) \end{gathered}$ |
| 60 |  |  |  |  | $\begin{gathered} 10,150 \\ (30) \\ \hline \end{gathered}$ | $\begin{aligned} & 11,150 \\ & (41.5) \end{aligned}$ | $\begin{gathered} 12,050 \\ (48.5) \end{gathered}$ | $\begin{aligned} & 12,600 \\ & (53.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 13,100 \\ (58) \end{gathered}$ | $\begin{aligned} & 13,600 \\ & (61.5) \\ & \hline \end{aligned}$ |
| 65 |  |  |  |  | $\begin{aligned} & 8,130 \\ & (19.5) \\ & \hline \end{aligned}$ | $\begin{array}{r} 9,120 \\ (35.5) \\ \hline \end{array}$ | $\begin{gathered} 10,000 \\ (44) \end{gathered}$ | $\begin{gathered} 10,500 \\ (50) \end{gathered}$ | $\begin{gathered} 10,950 \\ (55) \end{gathered}$ | $\begin{aligned} & 11,450 \\ & (58.5) \end{aligned}$ |
| 70 |  |  |  |  |  | $\begin{aligned} & 7,380 \\ & (28.5) \end{aligned}$ | $\begin{gathered} 8,300 \\ (39) \end{gathered}$ | $\begin{gathered} 8,760 \\ (46) \end{gathered}$ | $\begin{aligned} & 9,210 \\ & (51.5) \end{aligned}$ | $\begin{aligned} & 9,650 \\ & (55.5) \end{aligned}$ |
| 75 |  |  |  |  |  | $\begin{aligned} & 5,920 \\ & (18.5) \end{aligned}$ | $\begin{aligned} & 6,810 \\ & (33.5) \end{aligned}$ | $\begin{gathered} 7,290 \\ (42) \end{gathered}$ | $\begin{gathered} 7,720 \\ (48) \end{gathered}$ | $\begin{aligned} & 8,140 \\ & (52.5) \end{aligned}$ |
| 80 |  |  |  |  |  |  | $\begin{gathered} 5,540 \\ (27) \end{gathered}$ | $\begin{aligned} & 6,030 \\ & (37.5) \end{aligned}$ | $\begin{aligned} & 6,450 \\ & (44.5) \end{aligned}$ | $\begin{aligned} & 6,850 \\ & (49.5) \end{aligned}$ |
| 85 |  |  |  |  |  |  | $\begin{aligned} & 4,440 \\ & (17.5) \end{aligned}$ | $\begin{gathered} 4,910 \\ (32) \end{gathered}$ | $\begin{aligned} & 5,360 \\ & (40.5) \end{aligned}$ | $\begin{aligned} & 5,740 \\ & (46.5) \end{aligned}$ |
| 90 |  |  |  |  |  |  |  | $\begin{aligned} & 3,940 \\ & (25.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 4,380 \\ (36) \end{gathered}$ | $\begin{aligned} & 4,770 \\ & (42.5) \\ & \hline \end{aligned}$ |
| 95 |  |  |  |  |  |  |  | $\begin{aligned} & 3,080 \\ & (16.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 3,510 \\ (31) \end{gathered}$ | $\begin{gathered} 3,910 \\ (39) \end{gathered}$ |
| 100 |  |  |  |  |  |  |  |  | $\begin{gathered} 2,740 \\ (25) \end{gathered}$ | $\begin{array}{r} 3,120 \\ (34.5) \\ \hline \end{array}$ |
| 105 |  |  |  |  |  |  |  |  | $\begin{aligned} & 2,050 \\ & (16.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 2,430 \\ (30) \end{gathered}$ |
| 110 |  |  |  |  |  |  |  |  |  | $\begin{gathered} 1,800 \\ (24) \end{gathered}$ |
| Minimum boom angle (deg.) for indicated length (no load) |  |  |  |  |  |  |  |  |  | 0 |
| Maximum boom length (ft. ) at 0 degree boom angle (no load) |  |  |  |  |  |  |  |  |  | 125 |

NOTE: () Boom angles are in degrees.
*Based on maximum obtainable boom angle.
\#LMI operating code. Refer to LMI manual for operating instructions.
+12 parts line required to lift this capacity (using aux. boom nose). Refer to Operator's and Safety Handbook for reeving diagram.

| Lifting Capacities at Zero Degree Boom Angle |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Boom Angle | Main Boom Length in Feet |  |  |  |  |  |  |  |  |  |
|  | 40 | 45 | 55 | 65 | 75 | 85 | 95 | 105 | 115 |  |
| $0^{\circ}$ | $\begin{gathered} \hline 22,800 \\ (32.3) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 18,250 \\ & (37.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 12,200 \\ & (47.8) \\ & \hline \end{aligned}$ | $\begin{array}{r} 7,990 \\ (57.8) \\ \hline \end{array}$ | $\begin{aligned} & 5,720 \\ & (67.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & 4,320 \\ & (77.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3,210 \\ & (87.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 2,380 \\ & (97.8) \\ & \hline \end{aligned}$ | $\begin{array}{r} 1,570 \\ (107.8) \\ \hline \end{array}$ |  |

## 35 FT. - 60 FT. TELE. BOOM EXTENSION WITH 8,500 LB. COUNTERWEIGHT

## ON OUTRIGGERS FULLY EXTENDED - $360^{\circ}$

| Radius <br> in <br> Feet | **35 ft. LENGTH |  | 60 ft . LENGTH |  |
| :---: | :---: | :---: | :---: | :---: |
|  | \#0221 | \#0223 | \#0241 | \#0243 |
|  | $2^{\circ}$ OFFSET | $30^{\circ}$ OFFSET | $2^{\circ}$ OFFSET | $30^{\circ}$ OFFSET |
| 40 | $$ |  |  |  |
| 45 | $\begin{aligned} & \hline 11,600 \\ & (75.5) \\ & \hline \end{aligned}$ |  |  |  |
| 50 | $\begin{aligned} & 10,900 \\ & (73.5) \\ & \hline \end{aligned}$ |  | $\begin{aligned} & * 6,700 \\ & (76.5) \\ & \hline \end{aligned}$ |  |
| 55 | $\begin{aligned} & 10,300 \\ & (71.5) \end{aligned}$ | $\begin{gathered} { }^{* 7} 7,500 \\ (76.5) \end{gathered}$ | $\begin{gathered} 6,320 \\ (75) \end{gathered}$ |  |
| 60 | $\begin{aligned} & 9,750 \\ & (69.5) \end{aligned}$ | $\begin{aligned} & \hline 7,250 \\ & (74.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 6,000 \\ & (73.5) \end{aligned}$ |  |
| 65 | $\begin{aligned} & 9,250 \\ & (67.5) \end{aligned}$ | $\begin{aligned} & \hline 7,110 \\ & (72.5) \end{aligned}$ | $\begin{aligned} & 5,630 \\ & (71.5) \end{aligned}$ |  |
| 70 | $\begin{array}{r} \hline 8,810 \\ (65.5) \\ \hline \end{array}$ | $\begin{aligned} & \hline 6,980 \\ & (70.5) \end{aligned}$ | $\begin{gathered} \hline 5,260 \\ (70) \end{gathered}$ |  |
| 75 | $\begin{aligned} & 8,400 \\ & (63.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6,80 \\ (68) \\ \hline \end{gathered}$ | $\begin{array}{r} 4,900 \\ (68.5) \\ \hline \end{array}$ | $\begin{aligned} & { }^{*} 4,000 \\ & (76.5) \\ & \hline \end{aligned}$ |
| 80 | $\begin{aligned} & 7,390 \\ & (61.5) \end{aligned}$ | $\begin{gathered} 6,750 \\ (66) \end{gathered}$ | $\begin{aligned} & 4,630 \\ & (66.5) \end{aligned}$ | $\begin{aligned} & 3,700 \\ & (74.5) \end{aligned}$ |
| 85 | $\begin{gathered} 6,250 \\ (59) \end{gathered}$ | $\begin{gathered} 6,650 \\ (64) \\ \hline \end{gathered}$ | $\begin{gathered} 4,360 \\ (65) \\ \hline \end{gathered}$ | $\begin{aligned} & 3,500 \\ & (72.5) \\ & \hline \end{aligned}$ |
| 90 | $\begin{gathered} \hline 5,250 \\ (57) \\ \hline \end{gathered}$ | $\begin{array}{r} 6,330 \\ (61.5) \\ \hline \end{array}$ | $\begin{gathered} 4,100 \\ (63) \\ \hline \end{gathered}$ | $\begin{gathered} 3,350 \\ (71) \\ \hline \end{gathered}$ |
| 95 | $\begin{array}{r} 4,380 \\ (54.5) \\ \hline \end{array}$ | $\begin{gathered} 5,380 \\ (59) \\ \hline \end{gathered}$ | $\begin{gathered} 3,800 \\ (61) \\ \hline \end{gathered}$ | $\begin{gathered} 3,270 \\ (69) \end{gathered}$ |
| 100 | $\begin{array}{r} 3,600 \\ (52.5) \\ \hline \end{array}$ | $\begin{aligned} & 4,510 \\ & (56.5) \end{aligned}$ | $\begin{array}{r} 3,640 \\ (59.5) \\ \hline \end{array}$ | $\begin{gathered} 3,210 \\ (67) \end{gathered}$ |
| 105 | $\begin{gathered} 2,910 \\ (50) \end{gathered}$ | $\begin{gathered} 3,710 \\ (54) \\ \hline \end{gathered}$ | $\begin{array}{r} 3,490 \\ (57.5) \\ \hline \end{array}$ | $\begin{gathered} \hline 3,150 \\ (65) \end{gathered}$ |
| 110 | $\begin{aligned} & \hline 2,280 \\ & (47.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3,000 \\ & (51.5) \end{aligned}$ | $\begin{aligned} & \hline 3,350 \\ & (55.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 3,100 \\ (63) \end{gathered}$ |
| 115 | $\begin{aligned} & 1,720 \\ & (44.5) \end{aligned}$ | $\begin{aligned} & 2,350 \\ & (48.5) \end{aligned}$ | $\begin{aligned} & 2,990 \\ & (53.5) \end{aligned}$ | $\begin{gathered} 3,050 \\ (61) \end{gathered}$ |
| 120 | $\begin{aligned} & 1,210 \\ & (41.5) \end{aligned}$ | $\begin{aligned} & 1,770 \\ & (45.5) \end{aligned}$ | $\begin{gathered} 2,500 \\ (51) \end{gathered}$ | $\begin{aligned} & 3,010 \\ & (58.5) \end{aligned}$ |
| 125 |  | $\begin{aligned} & 1,240 \\ & (42.5) \end{aligned}$ | $\begin{gathered} \hline 2,050 \\ (49) \end{gathered}$ | $\begin{array}{r} 2,970 \\ (56.5) \\ \hline \end{array}$ |
| 130 |  |  | $\begin{gathered} 1,640 \\ (47) \\ \hline \end{gathered}$ | $\begin{gathered} 2,610 \\ (54) \end{gathered}$ |
| 135 |  |  | $\begin{aligned} & 1,260 \\ & (44.5) \end{aligned}$ | $\begin{aligned} & 2,100 \\ & (51.5) \end{aligned}$ |
| 140 |  |  |  | $\begin{array}{r} 1,630 \\ (48.5) \\ \hline \end{array}$ |
| 145 |  |  |  | $\begin{gathered} 1,190 \\ (46) \end{gathered}$ |

NOTE: ( ) Boom angles are in degrees.
A6-829-101456
*This capacity is based upon maximum boom angle.
** 35 ft . tele. length is also applicable to 35 ft . fixed length, however, the LMI codes will change to \#0251 and \#0253 for the $2^{\circ}$ and $30^{\circ}$ offset
respectively.
\#LMI operating code. Refer to LMI manual for instructions.

1. All capacities above the bold line are based on structural strength of boom extension.
2. 35 ft . and 60 ft . boom extension lengths may be used for single line lifting service only.
3. Radii listed are for a fully extended boom with the boom extension erected. For main boom lengths less than fully extended, the rated loads are determined by boom angle. Use only the column which corresponds to the boom extension length and offset for which the machine is configured. For boom angles not shown, use the rating of the next lower boom angle.

WARNING: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
4. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
5. Capacities listed are with outriggers fully extended and vertical jacks set only.
6. 35 FT. FIXED OR TELE. OFFSETTABLE BOOM EXTENSION WARNING: For main boom length greater than 85 ft . with 35 ft . fixed or tele. boom extension in working position, the boom angle must not be less than $39^{\circ}$ since loss of stability will occur causing a tipping condition. The boom angle is not restricted for main boom length equal to or less than 85 ft . This warning also applies for boom extension erection purposes.

60 FT. TELE. OFFSETTABLE BOOM EXTENSION WARNING: For main boom length greater than 85 ft . with 60 ft . tele. boom extension in working position, the boom angle must not be less than $42^{\circ}$ since loss of stability will occur causing a tipping condition. The boom angle is not restricted for main boom length equal to or less than 85 ft . This warning also applies for boom extension erection purposes.




## RATED LIFTING CAPACITIES IN POUNDS WITH 18,000 LB. COUNTERWEIGHT 35 FT. - 138 FT. BOOM (MODE A)

ON OUTRIGGERS FULLY EXTENDED -3600

| Radius in Feet | \#0501 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Main Boom Length in Feet |  |  |  |  |  |  |
|  | 35 | 61 | 74 | 87 | 99 | 112 | 138 |
| 10 | $\begin{gathered} \hline+150,000 \\ (65.5) \\ \hline \end{gathered}$ | $\begin{gathered} 42,900 \\ (77.5) \\ \hline \end{gathered}$ | $\begin{gathered} * 32,100 \\ (80) \end{gathered}$ |  |  |  |  |
| 12 | $\begin{gathered} 110,000 \\ (62) \end{gathered}$ | $\begin{gathered} 42,000 \\ (75.5) \end{gathered}$ | $\begin{gathered} 32,100 \\ (78.5) \end{gathered}$ | $\begin{gathered} * 31,850 \\ (80) \end{gathered}$ |  |  |  |
| 15 | $\begin{gathered} 95,800 \\ (56) \end{gathered}$ | $\begin{gathered} 36,550 \\ (72.5) \end{gathered}$ | $\begin{gathered} 32,100 \\ (76) \\ \hline \end{gathered}$ | $\begin{gathered} 31,850 \\ (78.5) \end{gathered}$ | $\begin{gathered} * 21,350 \\ (80) \end{gathered}$ |  |  |
| 20 | $\begin{gathered} \hline 77,250 \\ (44.5) \end{gathered}$ | $\begin{gathered} 29,400 \\ (67.5) \end{gathered}$ | $\begin{gathered} 31,350 \\ (71.5) \\ \hline \end{gathered}$ | $\begin{gathered} 28,850 \\ (75) \end{gathered}$ | $\begin{gathered} 21,350 \\ (77.5) \end{gathered}$ | $\begin{gathered} 19,000 \\ (79.5) \end{gathered}$ |  |
| 25 | $\begin{gathered} 58,500 \\ (29.5) \end{gathered}$ | $\begin{gathered} 24,350 \\ (62) \\ \hline \end{gathered}$ | $\begin{array}{r} 26,450 \\ (67.5) \\ \hline \end{array}$ | $\begin{gathered} 25,050 \\ (71.5) \\ \hline \end{gathered}$ | $\begin{array}{r} 20,850 \\ (74.5) \\ \hline \end{array}$ | $\begin{gathered} 18,150 \\ (77) \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { *19,000 } \\ (80) \\ \hline \end{gathered}$ |
| 30 |  | $\begin{gathered} 20,500 \\ (56.5) \end{gathered}$ | $\begin{gathered} 22,300 \\ (63) \\ \hline \end{gathered}$ | $\begin{gathered} 21,550 \\ (68) \\ \hline \end{gathered}$ | $\begin{gathered} 18,650 \\ (71.5) \\ \hline \end{gathered}$ | $\begin{aligned} & 17,300 \\ & (74.5) \end{aligned}$ | $\begin{aligned} & 18,300 \\ & (78.5) \end{aligned}$ |
| 35 |  | $\begin{gathered} 17,450 \\ (50) \\ \hline \end{gathered}$ | $\begin{gathered} 19,100 \\ (58.5) \\ \hline \end{gathered}$ | $\begin{gathered} 18,500 \\ (64) \\ \hline \end{gathered}$ | $\begin{gathered} 16,900 \\ (68.5) \end{gathered}$ | $\begin{gathered} 16,450 \\ (71.5) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 17,650 \\ (76.5) \\ \hline \end{gathered}$ |
| 40 |  | $\begin{gathered} 15,050 \\ (43) \end{gathered}$ | $\begin{gathered} 16,500 \\ (53.5) \end{gathered}$ | $\begin{gathered} 16,000 \\ (60) \end{gathered}$ | $\begin{gathered} 15,300 \\ (65) \end{gathered}$ | $\begin{gathered} 15,650 \\ (69) \end{gathered}$ | $\begin{gathered} 17,000 \\ (74) \\ \hline \end{gathered}$ |
| 45 |  | $\begin{gathered} 13,100 \\ (35) \\ \hline \end{gathered}$ | $\begin{aligned} & 14,450 \\ & (48.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 14,000 \\ (56) \\ \hline \end{gathered}$ | $\begin{gathered} 13,650 \\ (61.5) \\ \hline \end{gathered}$ | $\begin{gathered} 14,150 \\ (66) \\ \hline \end{gathered}$ | $\begin{gathered} 16,350 \\ (72) \\ \hline \end{gathered}$ |
| 50 |  | $\begin{aligned} & 11,450 \\ & (24.5) \end{aligned}$ | $\begin{gathered} 12,750 \\ (42.5) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 12,350 \\ (52) \\ \hline \end{gathered}$ | $\begin{gathered} 12,100 \\ (58.5) \\ \hline \end{gathered}$ | $\begin{gathered} 12,700 \\ (63) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 15,700 \\ & (69.5) \\ & \hline \end{aligned}$ |
| 60 |  |  | $\begin{gathered} 10,050 \\ (28) \end{gathered}$ | $\begin{aligned} & 9,780 \\ & (42.5) \end{aligned}$ | $\begin{gathered} 9,580 \\ (51) \end{gathered}$ | $\begin{gathered} 10,150 \\ (57) \end{gathered}$ | $\begin{gathered} 13,300 \\ (65) \end{gathered}$ |
| 70 |  |  |  | $\begin{gathered} \hline 7,860 \\ (30) \end{gathered}$ | $\begin{aligned} & 7,710 \\ & (42.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 8,220 \\ (50) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 11,050 \\ (60) \\ \hline \end{gathered}$ |
| 80 |  |  |  |  | $\begin{gathered} 6,270 \\ (32) \\ \hline \end{gathered}$ | $\begin{aligned} & 6,730 \\ & (42.5) \end{aligned}$ | $\begin{gathered} 9,120 \\ (55) \\ \hline \end{gathered}$ |
| 90 |  |  |  |  | $\begin{aligned} & 4,800 \\ & (15.5) \end{aligned}$ | $\begin{aligned} & 5,550 \\ & (33.5) \end{aligned}$ | $\begin{aligned} & 7,380 \\ & (49.5) \end{aligned}$ |
| 100 |  |  |  |  |  | $\begin{gathered} \hline 4,010 \\ (21) \end{gathered}$ | $\begin{gathered} 5,500 \\ (43) \\ \hline \end{gathered}$ |
| 110 |  |  |  |  |  |  | $\begin{gathered} 4,000 \\ (36) \end{gathered}$ |
| 120 |  |  |  |  |  |  | $\begin{gathered} 2,760 \\ (27) \\ \hline \end{gathered}$ |
| 130 |  |  |  |  |  |  | $\begin{aligned} & 1,720 \\ & (9.5) \end{aligned}$ |
| Minimum boom angle (deg.) for indicated length (no load) |  |  |  |  |  | 0 | 9 |
| Maximum boom length (ft.) at 0 degree boom angle (no load) |  |  |  |  |  | 112 | 125 |

NOTE: ( ) Boom angles are in degrees.
\#LMI operating code. Refer to LMI manual for instructions.
*This capacity is based on maximum boom angle.
+12 parts line required to lift this capacity (using aux. boom nose). Refer to Operator's and Safety Handbook for reeving diagram.

| Lifting Capacities On Outriggers Fully Extended-360 ${ }^{\circ}$ At Zero Degree Boom Angle |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Boom Angle | Main Boom Length in Feet |  |  |  |  |  |  |
|  | 35 | 61 | 74 | 87 | 99 | 112 |  |
| $0^{\circ}$ | $\begin{gathered} 26,400 \\ (28.2) \\ \hline \end{gathered}$ | $\begin{aligned} & 10,150 \\ & (53.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & 6,240 \\ & (66.6) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3,420 \\ & (79.4) \\ & \hline \end{aligned}$ | $\begin{aligned} & 2,440 \\ & (92.2) \end{aligned}$ | $\begin{aligned} & 1,680 \\ & (105) \\ & \hline \end{aligned}$ |  |
| NOTE: ( ) Reference radii in feet. A6-829-100798 |  |  |  |  |  |  |  |
| Ext. \% |  |  |  |  |  |  |  |
| Inner-mid | 0 | 0 | 0 | 0 | 0 | 0 | 100 |
| Center-mid | 0 | 100 | 100 | 100 | 100 | 100 | 100 |
| Outer-mid | 0 | 0 | 25 | 50 | 75 | 100 | 100 |
| Fly | 0 | 0 | 25 | 50 | 75 | 100 | 100 |

## RATED LIFTING CAPACITIES IN POUNDS WITH 18,000 LB. COUNTERWEIGHT 35 FT. - 138 FT. BOOM (MODE B)

ON OUTRIGGERS FULLY EXTENDED - $360^{\circ}$

| $\begin{gathered} \hline \text { Radius } \\ \text { in } \\ \text { Feet } \end{gathered}$ | \#0501 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Main Boom Length in Feet |  |  |  |  |  |  |  |  |
|  | 35 | 55 | 61 | 74 | 87 | 99 | 112 | 125 | 138 |
| 10 | $\begin{gathered} \hline+150,000 \\ (65.5) \end{gathered}$ | $\begin{gathered} 79,100 \\ (76) \end{gathered}$ | $\begin{gathered} 78,450 \\ (77.5) \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { *57,050 } \\ (80) \\ \hline \end{gathered}$ |  |  |  |  |  |
| 12 | $\begin{gathered} 110,000 \\ (62) \end{gathered}$ | $\begin{gathered} 79,100 \\ (73.5) \\ \hline \end{gathered}$ | $\begin{gathered} 77,500 \\ (75.5) \\ \hline \end{gathered}$ | $\begin{gathered} 57,050 \\ (78.5) \\ \hline \end{gathered}$ | $\begin{gathered} * 43,300 \\ (80) \end{gathered}$ |  |  |  |  |
| 15 | $\begin{gathered} 95,800 \\ (56) \\ \hline \end{gathered}$ | $\begin{gathered} 79,100 \\ (70) \end{gathered}$ | $\begin{gathered} 69,850 \\ (72.5) \end{gathered}$ | $\begin{gathered} 51,650 \\ (76) \end{gathered}$ | $\begin{gathered} 43,300 \\ (78.5) \\ \hline \end{gathered}$ | $\begin{gathered} * 32,100 \\ (80) \\ \hline \end{gathered}$ |  |  |  |
| 20 | $\begin{aligned} & \hline 77,250 \\ & (44.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 70,850 \\ & (64.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 59,850 \\ (67.5) \\ \hline \end{gathered}$ | $\begin{gathered} 44,350 \\ (71.5) \\ \hline \end{gathered}$ | $\begin{gathered} 39,550 \\ (75) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 32,100 \\ (77.5) \\ \hline \end{gathered}$ | $\begin{aligned} & 30,050 \\ & (79.5) \\ & \hline \end{aligned}$ | $\begin{gathered} { }^{2} 20,150 \\ (80) \end{gathered}$ |  |
| 25 | $\begin{aligned} & 58,500 \\ & (29.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 58,200 \\ (58) \\ \hline \end{gathered}$ | $\begin{gathered} 52,200 \\ (62) \\ \hline \end{gathered}$ | $\begin{aligned} & 38,750 \\ & (67.5) \end{aligned}$ | $\begin{gathered} 33,800 \\ (71.5) \\ \hline \end{gathered}$ | $\begin{gathered} 32,100 \\ (74.5) \end{gathered}$ | $\begin{gathered} 30,050 \\ (77) \end{gathered}$ | $\begin{gathered} 20,150 \\ (79) \end{gathered}$ | $\begin{gathered} * 19,000 \\ (80) \end{gathered}$ |
| 30 |  | $\begin{gathered} 45,850 \\ (51) \end{gathered}$ | $\begin{gathered} 46,200 \\ (56.5) \end{gathered}$ | $\begin{gathered} 34,200 \\ (63) \end{gathered}$ | $\begin{gathered} 29,200 \\ (68) \end{gathered}$ | $\begin{gathered} 30,200 \\ (71.5) \\ \hline \end{gathered}$ | $\begin{array}{r} 27,350 \\ (74.5) \\ \hline \end{array}$ | $\begin{aligned} & 19,100 \\ & (76.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 18,300 \\ & (78.5) \end{aligned}$ |
| 35 |  | $\begin{aligned} & 37,100 \\ & (43.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 37,500 \\ (50) \\ \hline \end{gathered}$ | $\begin{gathered} 29,050 \\ (58.5) \\ \hline \end{gathered}$ | $\begin{gathered} 25,800 \\ (64) \\ \hline \end{gathered}$ | $\begin{gathered} 26,600 \\ (68.5) \\ \hline \end{gathered}$ | $\begin{gathered} 24,300 \\ (71.5) \\ \hline \end{gathered}$ | $\begin{gathered} 18,100 \\ (74) \\ \hline \end{gathered}$ | $\begin{aligned} & 17,650 \\ & (76.5) \\ & \hline \end{aligned}$ |
| 40 |  | $\begin{gathered} 27,050 \\ (34.5) \end{gathered}$ | $\begin{gathered} 27,500 \\ (43) \end{gathered}$ | $\begin{gathered} 25,150 \\ (53.5) \end{gathered}$ | $\begin{gathered} \hline 22,900 \\ (60) \end{gathered}$ | $\begin{gathered} 23,450 \\ (65) \end{gathered}$ | $\begin{gathered} \hline 21,600 \\ (69) \end{gathered}$ | $\begin{gathered} 17,250 \\ (72) \\ \hline \end{gathered}$ | $\begin{gathered} 17,000 \\ (74) \\ \hline \end{gathered}$ |
| 45 |  | $\begin{aligned} & \hline 22,000 \\ & (21.5) \end{aligned}$ | $\begin{gathered} 22,450 \\ (35) \\ \hline \end{gathered}$ | $\begin{gathered} 21,800 \\ (48.5) \\ \hline \end{gathered}$ | $\begin{gathered} 20,000 \\ (56) \\ \hline \end{gathered}$ | $\begin{gathered} 20,450 \\ (61.5) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 19,250 \\ (66) \\ \hline \end{gathered}$ | $\begin{gathered} 16,450 \\ (69) \\ \hline \end{gathered}$ | $\begin{gathered} 16,350 \\ (72) \\ \hline \end{gathered}$ |
| 50 |  |  | $\begin{aligned} & \hline 18,500 \\ & (24.5) \end{aligned}$ | $\begin{aligned} & 18,550 \\ & (42.5) \end{aligned}$ | $\begin{gathered} 17,500 \\ (52) \end{gathered}$ | $\begin{aligned} & 17,900 \\ & (58.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 16,900 \\ (63) \end{gathered}$ | $\begin{aligned} & \hline 15,750 \\ & (66.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 15,700 \\ & (69.5) \\ & \hline \end{aligned}$ |
| 60 |  |  |  | $\begin{gathered} 12,800 \\ (28) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 12,800 \\ (42.5) \end{gathered}$ | $\begin{gathered} 14,000 \\ (51) \end{gathered}$ | $\begin{gathered} \hline 13,250 \\ (57) \end{gathered}$ | $\begin{aligned} & \hline 13,100 \\ & (61.5) \end{aligned}$ | $\begin{gathered} \hline 13,300 \\ (65) \end{gathered}$ |
| 70 |  |  |  |  | $\begin{gathered} 8,830 \\ (30) \\ \hline \end{gathered}$ | $\begin{aligned} & 10,150 \\ & (42.5) \end{aligned}$ | $\begin{gathered} 10,700 \\ (50) \end{gathered}$ | $\begin{gathered} 10,700 \\ (56) \end{gathered}$ | $\begin{gathered} 11,050 \\ (60) \\ \hline \end{gathered}$ |
| 80 |  |  |  |  |  | $\begin{gathered} \hline 7,160 \\ (32) \end{gathered}$ | $\begin{aligned} & \hline 8,240 \\ & (42.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8,660 \\ & (49.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 9,120 \\ (55) \\ \hline \end{gathered}$ |
| 90 |  |  |  |  |  | $\begin{aligned} & 4,800 \\ & (15.5) \end{aligned}$ | $\begin{aligned} & 5,870 \\ & (33.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6,700 \\ (43) \end{gathered}$ | $\begin{aligned} & \hline 7,380 \\ & (49.5) \\ & \hline \end{aligned}$ |
| 100 |  |  |  |  |  |  | $\begin{gathered} 4,010 \\ (21) \\ \hline \end{gathered}$ | $\begin{gathered} 4,840 \\ (35) \end{gathered}$ | $\begin{gathered} \hline 5,500 \\ (43) \end{gathered}$ |
| 110 |  |  |  |  |  |  |  | $\begin{aligned} & \hline 3,340 \\ & (24.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 4,000 \\ (36) \\ \hline \end{gathered}$ |
| 120 |  |  |  |  |  |  |  |  | $\begin{gathered} \hline 2,760 \\ (27) \\ \hline \end{gathered}$ |
| 130 |  |  |  |  |  |  |  |  | $\begin{aligned} & 1,720 \\ & (9.5) \end{aligned}$ |
| Minimum boom angle (deg.) for indicated length (no load) |  |  |  |  |  |  |  |  | 9 |
| Maximum boom length (ft.) at 0 degree boom angle (no load) |  |  |  |  |  |  |  |  | 125 |

NOTE: ( ) Boom angles are in degrees.
\#LMI operating code. Refer to LMI manual for instructions.
*This capacity is based on maximum boom angle.
+12 parts line required to lift this capacity (using aux. boom nose). Refer to Operator's and Safety Handbook for reeving diagram.

| Lifting Capacities On Outriggers Fully Extended - 360 ${ }^{\circ}$ At Zero Degree Boom Angle |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Boom Angle | Main Boom Length in Feet |  |  |  |  |  |  |  |  |
|  | 35 | 55 | 61 | 74 | 87 | 99 | 112 | 125 |  |
| $0^{\circ}$ | $\begin{gathered} 26,400 \\ (28.2) \end{gathered}$ | $\begin{gathered} 12,500 \\ (47.4) \end{gathered}$ | $\begin{aligned} & 10,150 \\ & (53.8) \end{aligned}$ | $\begin{aligned} & \hline 6,240 \\ & (66.6) \end{aligned}$ | $\begin{aligned} & 3,420 \\ & (79.4) \end{aligned}$ | $\begin{aligned} & 2,440 \\ & (92.2) \end{aligned}$ | $\begin{aligned} & 1,680 \\ & (105) \end{aligned}$ | $\begin{gathered} 1,070 \\ (117.8) \end{gathered}$ |  |

NOTE: ( ) Reference radii in feet

| Ext. \% |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Inner-mid | 0 | 50 | 50 | 75 | 100 | 100 | 100 | 100 | 100 |
| Center-mid | 0 | 25 | 50 | 75 | 100 | 100 | 100 | 100 | 100 |
| Outer-mid | 0 | 0 | 0 | 0 | 0 | 25 | 50 | 75 | 100 |
| Fly | 0 | 0 | 0 | 0 | 0 | 25 | 50 | 75 | 100 |

31 FT. - 56 FT. FOLDING BOOM EXTENSION
WITH 18,000 LB. COUNTERWEIGHT USING 125 FT. MAIN BOOM LENGTH ON OUTRIGGERS FULLY EXTENDED - $360^{\circ}$

| Radius in Feet | 31 FT . LENGTH |  |  | 56 FT. LENGTH |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \#0521 | \#0522 | \#0523 | \#0541 | \#0542 | \#0543 |
|  | $\begin{gathered} 1.5^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 25^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} \hline 45^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 1.5^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 25^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 45^{\circ} \\ \text { OFFSET } \end{gathered}$ |
| 30 | $\begin{gathered} * 11,500 \\ (80) \end{gathered}$ |  |  |  |  |  |
| 35 | $\begin{gathered} 11,500 \\ (78.5) \end{gathered}$ |  |  |  |  |  |
| 40 | $\begin{gathered} 11,500 \\ (77) \\ \hline \end{gathered}$ | $\begin{gathered} \text { *10,000 } \\ (80) \\ \hline \end{gathered}$ |  | $\begin{aligned} & 6,950 \\ & (79.5) \\ & \hline \end{aligned}$ |  |  |
| 45 | $\begin{gathered} 11,500 \\ (75) \\ \hline \end{gathered}$ | $\begin{aligned} & 9,300 \\ & (78.5) \\ & \hline \end{aligned}$ | $\begin{gathered} * 8,000 \\ (80) \\ \hline \end{gathered}$ | $\begin{aligned} & 6,780 \\ & (78.5) \\ & \hline \end{aligned}$ |  |  |
| 50 | $\begin{aligned} & 11,000 \\ & (73.5) \end{aligned}$ | $\begin{aligned} & 8,790 \\ & (76.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 6,810 \\ & (78.5) \end{aligned}$ | $\begin{gathered} 6,620 \\ (77) \end{gathered}$ |  |  |
| 60 | $\begin{gathered} 10,050 \\ (70) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 7,960 \\ & (72.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 6,490 \\ & (74.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6,290 \\ (74) \\ \hline \end{gathered}$ | $\begin{gathered} * 4,900 \\ (80) \\ \hline \end{gathered}$ |  |
| 70 | $\begin{gathered} 9,220 \\ (66) \end{gathered}$ | $\begin{aligned} & \hline 7,360 \\ & (68.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 6,400 \\ & (70.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 5,960 \\ (71) \end{gathered}$ | $\begin{aligned} & 4,560 \\ & (76.5) \\ & \hline \end{aligned}$ | $\begin{gathered} * 3,700 \\ (80) \\ \hline \end{gathered}$ |
| 80 | $\begin{gathered} \hline 8,440 \\ (62) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 6,900 \\ & (64.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6,350 \\ (66) \end{gathered}$ | $\begin{aligned} & 5,640 \\ & (67.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 4,230 \\ (73) \\ \hline \end{gathered}$ | $\begin{aligned} & 3,520 \\ & (76.5) \\ & \hline \end{aligned}$ |
| 90 | $\begin{aligned} & 7,340 \\ & (57.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6,590 \\ (60) \\ \hline \end{gathered}$ | $\begin{aligned} & 6,340 \\ & (61.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 5,260 \\ & (64.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 3,870 \\ & (69.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 3,400 \\ & (72.5) \\ & \hline \end{aligned}$ |
| 100 | $\begin{gathered} 6,020 \\ (53) \\ \hline \end{gathered}$ | $\begin{gathered} 6,250 \\ (55) \end{gathered}$ | $\begin{array}{r} 6,320 \\ (56.5) \\ \hline \end{array}$ | $\begin{aligned} & 4,980 \\ & (60.5) \\ & \hline \end{aligned}$ | $\begin{array}{r} 3,700 \\ (65.5) \\ \hline \end{array}$ | $\begin{aligned} & 3,290 \\ & (68.5) \\ & \hline \end{aligned}$ |
| 110 | $\begin{aligned} & 4,510 \\ & (47.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 5,050 \\ (50) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5,260 \\ (51) \end{gathered}$ | $\begin{aligned} & \hline 4,650 \\ & (56.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 3,480 \\ & (61.5) \end{aligned}$ | $\begin{gathered} \hline 3,190 \\ (64) \\ \hline \end{gathered}$ |
| 120 | $\begin{aligned} & 3,280 \\ & (41.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 3,690 \\ (44) \\ \hline \end{gathered}$ |  | $\begin{gathered} 4,070 \\ (52) \\ \hline \end{gathered}$ | $\begin{aligned} & 3,290 \\ & (57.5) \\ & \hline \end{aligned}$ | $\begin{array}{r} 3,110 \\ (59.5) \\ \hline \end{array}$ |
| 130 | $\begin{aligned} & 2,250 \\ & (34.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 2,540 \\ & (36.5) \end{aligned}$ |  | $\begin{aligned} & 3,020 \\ & (47.5) \end{aligned}$ | $\begin{array}{r} 3,120 \\ (52.5) \\ \hline \end{array}$ | $\begin{gathered} 3,040 \\ (54) \end{gathered}$ |
| 140 | $\begin{gathered} 1,380 \\ (26) \end{gathered}$ |  |  | $\begin{aligned} & 2,140 \\ & (42.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 2,750 \\ & (47.5) \\ & \hline \end{aligned}$ |  |
| 150 |  |  |  | $\begin{aligned} & 1,380 \\ & (36.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 1,840 \\ (41) \end{gathered}$ |  |
| No Load Stability Data |  |  |  |  |  |  |
| Minimum boom angle (deg.) for indicated length | 24 | 25 | 45 | 35 | 37 | 45 |
| Maximum boom length (ft.) at 0 deg. boom angle. | 112 |  |  | 99 |  |  |

NOTE: ( ) Boom angles are in degrees.
A6-829-014930
\#LMI operating code. Refer to LMI manual for operating instructions.
*This capacity is based on maximum boom angle.

1. All capacities above the bold line are based on structural strength of boom extension and do not exceed $85 \%$ of tipping loads, in accordance with SAE J-765 NOV93.
2. 31 ft . and 56 ft . folding boom extension lengths may be used for single line lifting service only.
3. For main boom lengths less than 125 ft . with the boom extension erected, the rated loads are determined by boom angle. Use only the column which corresponds to the boom extension length and offset for which the machine is set up. For boom angles not shown, use rating of the next lower boom angle.
4. WARNING: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
5. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
6. Capacities listed are with outriggers properly extended and vertical jacks set only.

31 FT. - 56 FT. FOLDING BOOM EXTENSION WITH 18,000 LB. COUNTERWEIGHT USING 138 FT. MAIN BOOM ON OUTRIGGERS FULLY EXTENDED - $360^{\circ}$

| Radius in Feet | 31 FT . LENGTH |  |  | 56 FT. LENGTH |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \#0521 | \#0522 | \#0523 | \#0541 | \#0542 | \#0543 |
|  | $\begin{gathered} 1.5^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 25^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} \hline 45^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 1.5^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 25^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 45^{\circ} \\ \text { OFFSET } \end{gathered}$ |
| 35 | $\begin{aligned} & 9,500 \\ & (79.5) \end{aligned}$ |  |  |  |  |  |
| 40 | $\begin{gathered} 9,500 \\ (78) \end{gathered}$ |  |  | $\begin{gathered} * 5,500 \\ (80) \\ \hline \end{gathered}$ |  |  |
| 45 | $\begin{aligned} & 9,500 \\ & (76.5) \\ & \hline \end{aligned}$ | $\begin{gathered} * 8,750 \\ (80) \\ \hline \end{gathered}$ |  | $\begin{aligned} & \hline 5,400 \\ & (79.5) \\ & \hline \end{aligned}$ |  |  |
| 50 | $\begin{gathered} 9,500 \\ (75) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 7,490 \\ & (78.5) \\ & \hline \end{aligned}$ | $\begin{gathered} * 7,800 \\ (80) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5,300 \\ (78) \\ \hline \end{gathered}$ |  |  |
| 60 | $\begin{aligned} & \hline 9,110 \\ & (71.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 7,060 \\ (75) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6,740 \\ (77) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 5,100 \\ & (75.5) \\ & \hline \end{aligned}$ | $\begin{gathered} * 4,640 \\ (80) \\ \hline \end{gathered}$ |  |
| 70 | $\begin{aligned} & 8,450 \\ & (68.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 6,720 \\ & (71.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 6,460 \\ & (73.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 4,900 \\ & (72.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 4,430 \\ (78) \\ \hline \end{gathered}$ | $\begin{gathered} * 3,600 \\ (80) \\ \hline \end{gathered}$ |
| 80 | $\begin{aligned} & 7,550 \\ & (64.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6,330 \\ (68) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 6,350 \\ & (69.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 4,700 \\ & (69.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 4,220 \\ & (74.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 3,500 \\ & (77.5) \\ & \hline \end{aligned}$ |
| 90 | $\begin{aligned} & \hline 6,990 \\ & (60.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6,060 \\ (64) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 6,280 \\ & (65.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 4,500 \\ & (66.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 4,120 \\ (71) \\ \hline \end{gathered}$ | $\begin{gathered} 3,400 \\ (74) \\ \hline \end{gathered}$ |
| 100 | $\begin{aligned} & 6,330 \\ & (56.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 5,820 \\ (60) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6,220 \\ (61) \\ \hline \end{gathered}$ | $\begin{aligned} & 4,300 \\ & (63.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 3,810 \\ & (67.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 3,300 \\ & (70.5) \\ & \hline \end{aligned}$ |
| 110 | $\begin{gathered} \hline 4,820 \\ (52) \\ \hline \end{gathered}$ | $\begin{aligned} & 5,400 \\ & (55.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 5,670 \\ & (56.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 4,100 \\ & (59.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 3,600 \\ (64) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 3,200 \\ (67) \\ \hline \end{gathered}$ |
| 120 | $\begin{gathered} \hline 3,580 \\ (47) \\ \hline \end{gathered}$ | $\begin{aligned} & 4,050 \\ & (50.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 4,050 \\ (52) \end{gathered}$ | $\begin{gathered} \hline 3,900 \\ (56) \\ \hline \end{gathered}$ | $\begin{aligned} & 3,400 \\ & (60.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 3,100 \\ (63) \\ \hline \end{gathered}$ |
| 130 | $\begin{aligned} & 2,550 \\ & (41.5) \end{aligned}$ | $\begin{gathered} 2,910 \\ (45) \\ \hline \end{gathered}$ |  | $\begin{gathered} 3,190 \\ (52) \\ \hline \end{gathered}$ | $\begin{gathered} 3,190 \\ (56) \\ \hline \end{gathered}$ | $\begin{aligned} & 3,000 \\ & (58.5) \end{aligned}$ |
| 140 | $\begin{aligned} & 1,680 \\ & (35.5) \end{aligned}$ | $\begin{aligned} & \hline 1,940 \\ & (38.5) \end{aligned}$ |  | $\begin{aligned} & 2,300 \\ & (47.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 2,980 \\ & (51.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 2,900 \\ & (53.5) \end{aligned}$ |
| 150 |  |  |  | $\begin{aligned} & 1,540 \\ & (42.5) \end{aligned}$ | $\begin{aligned} & 2,100 \\ & (46.5) \\ & \hline \end{aligned}$ |  |
| 160 |  |  |  |  | $\begin{gathered} 1,300 \\ (41) \end{gathered}$ |  |
| No Load Stability Data |  |  |  |  |  |  |
| Minimum boom angle (deg.) for indicated length | 32 | 32 | 45 | 40 | 40 | 45 |
| Maximum boom length (ft.) at 0 deg. boom angle | 112 |  |  | 99 |  |  |

NOTE: ( ) Boom angles are in degrees.
A6-829-014929
\#LMI operating code. Refer to LMI manual for operating instructions.
*This capacity is based on maximum boom angle.

1. All capacities above the bold line are based on structural strength of boom extension and do not exceed $85 \%$ of tipping loads, in accordance with SAE J-765 NOV93.
2. 31 ft . and 56 ft . folding boom extension lengths may be used for single line lifting service only.
3. For main boom lengths between 125 ft . and fully extended with the boom extension erected, the rated loads are determined by boom angle. Use only the column which corresponds to the boom extension length and offset for which the machine is set up. For boom angles not shown, use rating of the next lower boom angle.
4. WARNING: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
5. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
6. Capacities listed are with outriggers properly extended and vertical jacks set only.

## 31 FT. - 56 FT. LUFFING FOLDING BOOM EXTENSION WITH 18,000 LB. COUNTERWEIGHT USING 125 FT. MAIN BOOM LENGTH ON OUTRIGGERS FULLY EXTENDED - $360^{\circ}$

| Radius in Feet (reference) | 31 FT . LENGTH |  |  | 56 FT. LENGTH |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \#5910 | \#5911 | \#5912 | \#5920 | \#5921 | \#5922 |
|  | $\begin{gathered} 1.5^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 25^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 45^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 1.5^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 25^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 45^{\circ} \\ \text { OFFSET } \end{gathered}$ |
| 30 | $\begin{gathered} \hline \text { *11,000 } \\ (80) \\ \hline \end{gathered}$ |  |  |  |  |  |
| 35 | $\begin{aligned} & 11,000 \\ & (78.5) \end{aligned}$ |  |  |  |  |  |
| 40 | $\begin{gathered} \hline 11,000 \\ (77) \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { *10,000 } \\ (80) \\ \hline \end{gathered}$ |  | $\begin{array}{r} \hline 6,450 \\ (79.5) \\ \hline \end{array}$ |  |  |
| 45 | $\begin{gathered} 11,000 \\ (75) \\ \hline \end{gathered}$ | $\begin{aligned} & 9,300 \\ & (78.5) \\ & \hline \end{aligned}$ | $\begin{gathered} * 8,000 \\ (80) \\ \hline \end{gathered}$ | $\begin{array}{r} 6,450 \\ (78.5) \\ \hline \end{array}$ |  |  |
| 50 | $\begin{aligned} & \hline 11,000 \\ & (73.5) \end{aligned}$ | $\begin{aligned} & \hline 8,790 \\ & (76.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 6,810 \\ & (78.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6,450 \\ (77) \end{gathered}$ |  |  |
| 60 | $\begin{gathered} \hline 10,050 \\ (70) \\ \hline \end{gathered}$ | $\begin{array}{r} \hline 7,960 \\ (72.5) \\ \hline \end{array}$ | $\begin{aligned} & \hline 6,490 \\ & (74.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6,290 \\ (74) \end{gathered}$ | $\begin{gathered} * 4,900 \\ (80) \\ \hline \end{gathered}$ |  |
| 70 | $\begin{gathered} 9,220 \\ (66) \end{gathered}$ | $\begin{aligned} & \hline 7,360 \\ & (68.5) \end{aligned}$ | $\begin{aligned} & \hline 6,400 \\ & (70.5) \end{aligned}$ | $\begin{gathered} \hline 5,960 \\ (71) \\ \hline \end{gathered}$ | $\begin{aligned} & 4,560 \\ & (76.5) \end{aligned}$ | $\begin{gathered} * 3,700 \\ (80) \end{gathered}$ |
| 80 | $\begin{gathered} \hline 8,40 \\ (62) \\ \hline \end{gathered}$ | $\begin{array}{r} 6,900 \\ (64.5) \\ \hline \end{array}$ | $\begin{gathered} \hline 6,350 \\ (66) \\ \hline \end{gathered}$ | $\begin{array}{r} 5,640 \\ (67.5) \\ \hline \end{array}$ | $\begin{gathered} 4,230 \\ (73) \\ \hline \end{gathered}$ | $\begin{array}{r} 3,520 \\ (76.5) \\ \hline \end{array}$ |
| 90 | $\begin{aligned} & \hline 7,340 \\ & (57.5) \end{aligned}$ | $\begin{gathered} \hline 6,590 \\ (60) \end{gathered}$ | $\begin{aligned} & \hline 6,340 \\ & (61.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 5,260 \\ & (64.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3,870 \\ & (69.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3,400 \\ & (72.5) \\ & \hline \end{aligned}$ |
| 100 | $\begin{gathered} 6,000 \\ (53) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 6,250 \\ & (55) \end{aligned}$ | $\begin{aligned} & \hline 6,320 \\ & (56.5) \end{aligned}$ | $\begin{array}{r} 4,980 \\ (60.5) \\ \hline \end{array}$ | $\begin{array}{r} 3,700 \\ (65.5) \\ \hline \end{array}$ | $\begin{aligned} & 3,290 \\ & (68.5) \\ & \hline \end{aligned}$ |
| 110 | $\begin{aligned} & \hline 4,470 \\ & (47.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 4,860 \\ (50) \\ \hline \end{gathered}$ | $\begin{gathered} 4,530 \\ (51) \\ \hline \end{gathered}$ | $\begin{array}{r} 4,650 \\ (56.5) \\ \hline \end{array}$ | $\begin{aligned} & \hline 3,480 \\ & (61.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 3,190 \\ (64) \\ \hline \end{gathered}$ |
| 120 | $\begin{aligned} & 3,210 \\ & (41.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 3,530 \\ (44) \\ \hline \end{gathered}$ |  | $\begin{gathered} \hline 4,070 \\ (52) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 3,290 \\ & (57.5) \\ & \hline \end{aligned}$ | $\begin{array}{r} 3,110 \\ (59.5) \\ \hline \end{array}$ |
| 130 | $\begin{aligned} & \hline 2,160 \\ & (34.5) \end{aligned}$ | $\begin{aligned} & 2,420 \\ & (36.5) \end{aligned}$ |  | $\begin{aligned} & 3,020 \\ & (47.5) \end{aligned}$ | $\begin{aligned} & \hline 3,120 \\ & (52.5) \end{aligned}$ | $\begin{gathered} \hline 3,040 \\ (54) \end{gathered}$ |
| 140 | $\begin{gathered} 1,280 \\ (26) \end{gathered}$ |  |  | $\begin{aligned} & \hline 2,140 \\ & (42.5) \end{aligned}$ | $\begin{aligned} & 2,750 \\ & (47.5) \end{aligned}$ |  |
| 150 |  |  |  | $\begin{array}{r} 1,350 \\ (36.5) \\ \hline \end{array}$ | $\begin{gathered} 1,840 \\ (41) \end{gathered}$ |  |
| No Load Stability Data |  |  |  |  |  |  |
| Minimum boom angle (deg.) for indicated length | 24 | 25 | 45 | 35 | 37 | 45 |
| Maximum boom length (tt.) at $0^{\circ}$ boom angle | 112 |  |  | 99 |  |  |

NOTE: ( ) Boom angles are in degrees.
A6-829-100353
\#LMI operating code, for reference only (does not require input - automatically displayed). Refer to LMI manual for operating instructions.

* This capacity is based on maximum boom angle.

1. Capacities are based on main boom angles in conjunction with extension offset angle. Radii are for 125' main boom length only.
2. All capacities above the bold line are based on structural strength of boom extension and do not exceed $85 \%$ of tipping loads, in accordance with SAE J-765.
3. 31 ft . and 56 ft . luffing folding boom extension lengths may be used for single line lifting service only.
4. For main boom lengths less than 125 ft . with the boom extension erected, the rated loads are determined by boom angle. Use only the column which corresponds to the boom extension length and offset for which the machine is set up. For boom angles not shown, use rating of the next lower boom angle. For extension offset angles not shown, use rating of next greater offset angle.
5. WARNING: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
6. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
7. Capacities listed are with outriggers properly extended and vertical jacks set only.

## 31 FT. - 56 FT. LUFFING FOLDING BOOM EXTENSION WITH 18,000 LB. COUNTERWEIGHT USING 138 FT. MAIN BOOM ON OUTRIGGERS FULLY EXTENDED - $360^{\circ}$

| Radius <br> in <br> Feet (reference) | 31 FT . LENGTH |  |  | 56 FT. LENGTH |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \#5910 | \#5911 | \#5912 | \#5920 | \#5921 | \#5922 |
|  | $\begin{gathered} 1.5^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 25^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 45^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 1.5^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 25^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 45^{\circ} \\ \text { OFFSET } \end{gathered}$ |
| 35 | $\begin{array}{r} 9,500 \\ (79.5) \\ \hline \end{array}$ |  |  |  |  |  |
| 40 | $\begin{gathered} 9,500 \\ (78) \end{gathered}$ |  |  | $\begin{gathered} * 5,500 \\ (80) \end{gathered}$ |  |  |
| 45 | $\begin{aligned} & 9,500 \\ & (76.5) \end{aligned}$ | $\begin{gathered} * 8,750 \\ (80) \end{gathered}$ |  | $\begin{aligned} & 5,400 \\ & (79.5) \end{aligned}$ |  |  |
| 50 | $\begin{gathered} 9,500 \\ (75) \end{gathered}$ | $\begin{aligned} & \hline 7,490 \\ & (78.5) \end{aligned}$ | $\begin{gathered} * 7,800 \\ (80) \end{gathered}$ | $\begin{gathered} 5,300 \\ (78) \end{gathered}$ |  |  |
| 60 | $\begin{array}{r} 9,110 \\ (71.5) \\ \hline \end{array}$ | $\begin{gathered} \hline 7,060 \\ (75) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6,740 \\ (77) \\ \hline \end{gathered}$ | $\begin{array}{r} \hline 5,100 \\ (75.5) \\ \hline \end{array}$ | $\begin{gathered} { }^{*} 4,640 \\ (80) \\ \hline \end{gathered}$ |  |
| 70 | $\begin{aligned} & \hline 8,450 \\ & (68.5) \end{aligned}$ | $\begin{aligned} & \hline 6,720 \\ & (71.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 6,460 \\ & (73.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 4,900 \\ & (72.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 4,430 \\ (78) \end{gathered}$ | $\begin{gathered} * 3,600 \\ (80) \\ \hline \end{gathered}$ |
| 80 | $\begin{aligned} & \hline 7,550 \\ & (64.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6,330 \\ (68) \end{gathered}$ | $\begin{aligned} & \hline 6,350 \\ & (69.5) \end{aligned}$ | $\begin{aligned} & \hline 4,700 \\ & (69.5) \end{aligned}$ | $\begin{array}{r} 4,220 \\ (74.5) \\ \hline \end{array}$ | $\begin{aligned} & \hline 3,500 \\ & (77.5) \\ & \hline \end{aligned}$ |
| 90 | $\begin{aligned} & \hline 6,990 \\ & (60.5) \end{aligned}$ | $\begin{gathered} \hline 6,060 \\ (64) \\ \hline \end{gathered}$ | $\begin{array}{r} 6,160 \\ (65.5) \\ \hline \end{array}$ | $\begin{array}{r} 4,500 \\ (66.5) \\ \hline \end{array}$ | $\begin{gathered} 4,120 \\ (71) \\ \hline \end{gathered}$ | $\begin{gathered} 3,400 \\ (74) \end{gathered}$ |
| 100 | $\begin{array}{r} 6,250 \\ (56.5) \\ \hline \end{array}$ | $\begin{gathered} \hline 5,820 \\ (60) \end{gathered}$ | $\begin{gathered} \hline 5,880 \\ (61) \end{gathered}$ | $\begin{array}{r} 4,300 \\ (63.5) \\ \hline \end{array}$ | $\begin{array}{r} 3,810 \\ (67.5) \\ \hline \end{array}$ | $\begin{array}{r} 3,300 \\ (70.5) \\ \hline \end{array}$ |
| 110 | $\begin{gathered} 4,760 \\ (52) \end{gathered}$ | $\begin{aligned} & 5,340 \\ & (55.5) \end{aligned}$ | $\begin{aligned} & 5,470 \\ & (56.5) \end{aligned}$ | $\begin{aligned} & 4,100 \\ & (59.5) \end{aligned}$ | $\begin{gathered} 3,600 \\ (64) \end{gathered}$ | $\begin{gathered} \hline 3,200 \\ (67) \end{gathered}$ |
| 120 | $\begin{gathered} \hline 3,540 \\ (47) \end{gathered}$ | $\begin{aligned} & 3,920 \\ & (50.5) \end{aligned}$ | $\begin{gathered} 3,960 \\ (51) \end{gathered}$ | $\begin{gathered} \hline 3,900 \\ (56) \end{gathered}$ | $\begin{aligned} & 3,400 \\ & (60.5) \end{aligned}$ | $\begin{gathered} \hline 3,100 \\ (63) \end{gathered}$ |
| 130 | $\begin{aligned} & 2,530 \\ & (41.5) \end{aligned}$ | $\begin{gathered} \hline 2,750 \\ (45) \end{gathered}$ |  | $\begin{gathered} \hline 3,190 \\ (52) \end{gathered}$ | $\begin{gathered} \hline 3,190 \\ (56) \end{gathered}$ | $\begin{aligned} & \hline 3,000 \\ & (58.5) \end{aligned}$ |
| 140 | $\begin{array}{r} 1,670 \\ (35.5) \\ \hline \end{array}$ | $\begin{array}{r} 1,750 \\ (38.5) \\ \hline \end{array}$ |  | $\begin{array}{r} 2,300 \\ (47.5) \\ \hline \end{array}$ | $\begin{array}{r} 2,980 \\ (51.5) \\ \hline \end{array}$ | $\begin{aligned} & \hline 2,900 \\ & (53.5) \end{aligned}$ |
| 150 |  |  |  | $\begin{aligned} & 1,540 \\ & (42.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 2,100 \\ & (46.5) \\ & \hline \end{aligned}$ |  |
| 160 |  |  |  |  | $\begin{gathered} 1,300 \\ (41) \end{gathered}$ |  |
| No Load Stability Data |  |  |  |  |  |  |
| Minimum boom angle (deg.) for indicated length | 32 | 32 | 45 | 40 | 40 | 45 |
| Maximum boom length (ft.) at $0^{\circ}$ boom angle | 112 |  |  | 99 |  |  |

NOTE: ( ) Boom angles are in degrees.
A6-829-100347
\#LMI operating code, for reference only (does not require input - automatically displayed). Refer to LMI manual for operating instructions.
*This capacity is based on maximum boom angle.

1. Capacities are based on main boom angles in conjunction with extension offset angle. Radii are for 138' main boom length only.
2. All capacities above the bold line are based on structural strength of boom extension and do not exceed $85 \%$ of tipping loads, in accordance with SAE J-765.
3. 31 ft . and 56 ft . luffing folding boom extension lengths may be used for single line lifting service only.
4. For main boom lengths between125 ft. and fully extended with the boom extension erected, the rated loads are determined by boom angle. Use only the column which corresponds to the boom extension length and offset for which the machine is set up. For boom angles not shown, use rating of the next lower boom angle. For extension offset angles not shown, use rating of next greater offset angle.
5. WARNING: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
6. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
7. Capacities listed are with outriggers properly extended and vertical jacks set only.

# RATED LIFTING CAPACITIES IN POUNDS WITH 8,500 LB. COUNTERWEIGHT 35 FT. - 138 FT. BOOM (MODE A) 

ON OUTRIGGERS FULLY EXTENDED - $360^{\circ}$

| $\begin{aligned} & \text { Radius } \\ & \text { in } \\ & \text { Feet } \end{aligned}$ | \#0001 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Main Boom Length in Feet |  |  |  |  |  |  |
|  | 35 | 61 | 74 | 87 | 99 | 112 | 138 |
| 10 | $\begin{gathered} +150,000 \\ (65.5) \end{gathered}$ | $\begin{gathered} 42,900 \\ (77.5) \\ \hline \end{gathered}$ | $\begin{gathered} * 32,100 \\ (80) \\ \hline \end{gathered}$ |  |  |  |  |
| 12 | $\begin{gathered} 110,000 \\ (62) \end{gathered}$ | $\begin{array}{r} 42,000 \\ (75.5) \\ \hline \end{array}$ | $\begin{gathered} 32,100 \\ (78.5) \\ \hline \end{gathered}$ | $\begin{gathered} * 31,850 \\ (80) \end{gathered}$ |  |  |  |
| 15 | $\begin{gathered} 95,800 \\ (56) \\ \hline \end{gathered}$ | $\begin{aligned} & 36,550 \\ & (72.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 32,100 \\ (76) \\ \hline \end{gathered}$ | $\begin{gathered} 31,850 \\ (78.5) \\ \hline \end{gathered}$ | $\begin{gathered} * 21,350 \\ (80) \\ \hline \end{gathered}$ |  |  |
| 20 | $\begin{aligned} & 70,700 \\ & (44.5) \\ & \hline \end{aligned}$ | $\begin{array}{r} 29,400 \\ (67.5) \\ \hline \end{array}$ | $\begin{gathered} 31,350 \\ (71.5) \end{gathered}$ | $\begin{gathered} 28,850 \\ (75) \end{gathered}$ | $\begin{array}{r} 21,350 \\ (77.5) \\ \hline \end{array}$ | $\begin{aligned} & 19,000 \\ & (79.5) \end{aligned}$ |  |
| 25 | $\begin{gathered} 53,150 \\ (29.5) \end{gathered}$ | $\begin{gathered} 24,350 \\ (62) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 26,450 \\ (67.5) \\ \hline \end{gathered}$ | $\begin{gathered} 25,050 \\ (71.5) \\ \hline \end{gathered}$ | $\begin{gathered} 20,850 \\ (74.5) \\ \hline \end{gathered}$ | $\begin{gathered} 18,150 \\ (77) \\ \hline \end{gathered}$ | $\begin{gathered} \hline{ }^{*} 19,000 \\ (80) \\ \hline \end{gathered}$ |
| 30 |  | $\begin{array}{r} 20,500 \\ (56.5) \\ \hline \end{array}$ | $\begin{gathered} 22,300 \\ (63) \\ \hline \end{gathered}$ | $\begin{gathered} 21,550 \\ (68) \end{gathered}$ | $\begin{aligned} & 18,650 \\ & (71.5) \end{aligned}$ | $\begin{aligned} & 17,300 \\ & (74.5) \end{aligned}$ | $\begin{aligned} & 18,300 \\ & (78.5) \end{aligned}$ |
| 35 |  | $\begin{gathered} 17,450 \\ (50) \end{gathered}$ | $\begin{aligned} & 19,100 \\ & (58.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 18,500 \\ (64) \end{gathered}$ | $\begin{aligned} & 16,900 \\ & (68.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 16,450 \\ & (71.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 17,650 \\ & (76.5) \\ & \hline \end{aligned}$ |
| 40 |  | $\begin{gathered} 15,050 \\ (43) \end{gathered}$ | $\begin{aligned} & 16,500 \\ & (53.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 16,000 \\ (60) \end{gathered}$ | $\begin{gathered} 15,300 \\ (65) \\ \hline \end{gathered}$ | $\begin{gathered} 15,650 \\ (69) \end{gathered}$ | $\begin{gathered} 17,000 \\ (74) \\ \hline \end{gathered}$ |
| 45 |  | $\begin{gathered} 13,100 \\ (35) \end{gathered}$ | $\begin{aligned} & 14,450 \\ & (48.5) \end{aligned}$ | $\begin{gathered} 14,000 \\ (56) \end{gathered}$ | $\begin{aligned} & \hline 13,650 \\ & (61.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 14,150 \\ (66) \end{gathered}$ | $\begin{gathered} \hline 16,350 \\ (72) \\ \hline \end{gathered}$ |
| 50 |  | $\begin{aligned} & 11,450 \\ & (24.5) \end{aligned}$ | $\begin{aligned} & 12,750 \\ & (42.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 12,350 \\ (52) \end{gathered}$ | $\begin{aligned} & 12,100 \\ & (58.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 12,700 \\ (63) \\ \hline \end{gathered}$ | $\begin{aligned} & 15,700 \\ & (69.5) \\ & \hline \end{aligned}$ |
| 60 |  |  | $\begin{gathered} 10,050 \\ (28) \end{gathered}$ | $\begin{array}{r} 9,780 \\ (42.5) \\ \hline \end{array}$ | $\begin{gathered} 9,580 \\ (51) \end{gathered}$ | $\begin{gathered} 10,150 \\ (57) \end{gathered}$ | $\begin{gathered} 13,300 \\ (65) \end{gathered}$ |
| 70 |  |  |  | $\begin{gathered} \hline 7,860 \\ (30) \end{gathered}$ | $\begin{aligned} & 7,710 \\ & (42.5) \end{aligned}$ | $\begin{gathered} 8,220 \\ (50) \\ \hline \end{gathered}$ | $\begin{gathered} 10,200 \\ (60) \\ \hline \end{gathered}$ |
| 80 |  |  |  |  | $\begin{gathered} \hline 6,270 \\ (32) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 6,730 \\ & (42.5) \end{aligned}$ | $\begin{gathered} \hline 7,430 \\ (55) \end{gathered}$ |
| 90 |  |  |  |  | $\begin{aligned} & 4,800 \\ & (15.5) \end{aligned}$ | $\begin{aligned} & 5,550 \\ & (33.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 5,370 \\ & (49.5) \end{aligned}$ |
| 100 |  |  |  |  |  | $\begin{gathered} 4,010 \\ (21) \\ \hline \end{gathered}$ | $\begin{gathered} 3,770 \\ (43) \\ \hline \end{gathered}$ |
| 110 |  |  |  |  |  |  | $\begin{gathered} \hline 2,510 \\ (36) \end{gathered}$ |
| 120 |  |  |  |  |  |  | $\begin{gathered} \hline 1,480 \\ (27) \\ \hline \end{gathered}$ |
| Minimum boom angle (deg.) for indicated length (no load) |  |  |  |  |  | 0 | 10 |
| Maximum boom length (ft.) at 0 degree boom angle (no load) |  |  |  |  |  | 112 |  |

NOTE: ( ) Boom angles are in degrees.
\#LMI operating code. Refer to LMI manual for instructions.
*This capacity is based on maximum boom angle.
+12 parts line required to lift this capacity (using aux. boom nose). Refer to Operator's and Safety Handbook for reeving diagram.

| Lifting Capacities On Outriggers Fully Extended - $\mathbf{3 6 0}^{\circ}$ At Zero Degree Boom Angle |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Boom | Main Boom Length in Feet |  |  |  |  |  |  |
|  | 35 | 61 | 74 | 87 | 99 | 112 |  |
|  | $0^{\circ}$ | 26,400 | 10,150 | 6,240 | 3,420 | 2,440 | 1,680 |
|  |  | $(53.8)$ | $(66.6)$ | $(79.4)$ | $(92.2)$ | $(105)$ |  |

NOTE: ( ) Reference radii in feet. A6-829-100800

| Ext. \% |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Inner-mid | 0 | 0 | 0 | 0 | 0 | 0 | 100 |
| Center-mid | 0 | 100 | 100 | 100 | 100 | 100 | 100 |
| Outer-mid | 0 | 0 | 25 | 50 | 75 | 100 | 100 |
| Fly | 0 | 0 | 25 | 50 | 75 | 100 | 100 |

## RATED LIFTING CAPACITIES IN POUNDS WITH 8,500 LB. COUNTERWEIGHT 35 FT. - 138 FT. BOOM (MODE B) <br> ON OUTRIGGERS FULLY EXTENDED-360

| Radius in Feet | \#0001 |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Main Boom Length in Feet |  |  |  |  |  |  |  |  |
|  | 35 | 55 | 61 | 74 | 87 | 99 | 112 | 125 | 138 |
| 10 | $\begin{gathered} +150,000 \\ (65.5) \end{gathered}$ | $\begin{gathered} 79,100 \\ (76) \\ \hline \end{gathered}$ | $\begin{gathered} 78,450 \\ (77.5) \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { *57,050 } \\ (80) \\ \hline \end{gathered}$ |  |  |  |  |  |
| 12 | $\begin{gathered} 110,000 \\ (62) \\ \hline \end{gathered}$ | $\begin{gathered} 79,100 \\ (73.5) \end{gathered}$ | $\begin{aligned} & 77,500 \\ & (75.5) \end{aligned}$ | $\begin{gathered} 57,050 \\ (78.5) \end{gathered}$ | $\begin{gathered} * 43,300 \\ (80) \\ \hline \end{gathered}$ |  |  |  |  |
| 15 | $\begin{gathered} 95,800 \\ (56) \\ \hline \end{gathered}$ | $\begin{gathered} 79,100 \\ (70) \\ \hline \end{gathered}$ | $\begin{gathered} 69,850 \\ (72.5) \\ \hline \end{gathered}$ | $\begin{gathered} 51,650 \\ (76) \\ \hline \end{gathered}$ | $\begin{array}{r} 43,300 \\ (78.5) \\ \hline \end{array}$ | $\begin{gathered} * 32,100 \\ (80) \end{gathered}$ |  |  |  |
| 20 | $\begin{aligned} & 70,700 \\ & (44.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 70,300 \\ & (64.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 59,850 \\ (67.5) \\ \hline \end{gathered}$ | $\begin{gathered} 44,350 \\ (71.5) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 39,550 \\ (75) \\ \hline \end{gathered}$ | $\begin{array}{r} \hline 32,100 \\ (77.5) \\ \hline \end{array}$ | $\begin{gathered} 30,050 \\ (79.5) \\ \hline \end{gathered}$ | $\begin{gathered} 20,150 \\ (80) \\ \hline \end{gathered}$ |  |
| 25 | $\begin{aligned} & 53,150 \\ & (29.5) \end{aligned}$ | $\begin{gathered} 52,850 \\ (58) \\ \hline \end{gathered}$ | $\begin{gathered} 52,200 \\ (62) \end{gathered}$ | $\begin{aligned} & 38,750 \\ & (67.5) \end{aligned}$ | $\begin{gathered} 33,800 \\ (71.5) \end{gathered}$ | $\begin{array}{r} 32,100 \\ (74.5) \end{array}$ | $\begin{gathered} 30,050 \\ (77) \end{gathered}$ | $\begin{gathered} 20,150 \\ (79) \end{gathered}$ | $\begin{gathered} \text { *19,000 } \\ (80) \end{gathered}$ |
| 30 |  | $\begin{gathered} 41,400 \\ (51) \end{gathered}$ | $\begin{aligned} & 41,800 \\ & (56.5) \end{aligned}$ | $\begin{gathered} 34,200 \\ (63) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 29,200 \\ (68) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 30,200 \\ (71.5) \\ \hline \end{gathered}$ | $\begin{gathered} 27,350 \\ (74.5) \\ \hline \end{gathered}$ | $\begin{aligned} & 19,100 \\ & (76.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 18,300 \\ & (78.5) \\ & \hline \end{aligned}$ |
| 35 |  | $\begin{gathered} 31,850 \\ (43.5) \end{gathered}$ | $\begin{gathered} 31,950 \\ (50) \end{gathered}$ | $\begin{gathered} 29,050 \\ (58.5) \end{gathered}$ | $\begin{gathered} 25,800 \\ (64) \end{gathered}$ | $\begin{gathered} 26,600 \\ (68.5) \end{gathered}$ | $\begin{gathered} 24,300 \\ (71.5) \end{gathered}$ | $\begin{gathered} 18,100 \\ (74) \end{gathered}$ | $\begin{aligned} & \hline 17,650 \\ & (76.5) \end{aligned}$ |
| 40 |  | $\begin{gathered} 24,700 \\ (34.5) \end{gathered}$ | $\begin{gathered} 24,750 \\ (43) \end{gathered}$ | $\begin{gathered} 24,800 \\ (53.5) \end{gathered}$ | $\begin{gathered} 22,900 \\ (60) \end{gathered}$ | $\begin{gathered} 23,450 \\ (65) \\ \hline \end{gathered}$ | $\begin{gathered} 21,600 \\ (69) \end{gathered}$ | $\begin{gathered} 17,250 \\ (72) \end{gathered}$ | $\begin{gathered} 17,000 \\ (74) \end{gathered}$ |
| 45 |  | $\begin{aligned} & \hline 19,550 \\ & (21.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 19,550 \\ (35) \\ \hline \end{gathered}$ | $\begin{aligned} & 19,750 \\ & (48.5) \end{aligned}$ | $\begin{gathered} 19,500 \\ (56) \\ \hline \end{gathered}$ | $\begin{gathered} 20,450 \\ (61.5) \end{gathered}$ | $\begin{gathered} 19,250 \\ (66) \end{gathered}$ | $\begin{gathered} 16,450 \\ (69) \end{gathered}$ | $\begin{gathered} 16,350 \\ (72) \\ \hline \end{gathered}$ |
| 50 |  |  | $\begin{aligned} & 15,700 \\ & (24.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 15,400 \\ & (42.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 15,350 \\ (52) \\ \hline \end{gathered}$ | $\begin{array}{r} 16,550 \\ (58.5) \\ \hline \end{array}$ | $\begin{gathered} 16,900 \\ (63) \end{gathered}$ | $\begin{aligned} & 15,750 \\ & (66.5) \end{aligned}$ | $\begin{aligned} & 15,700 \\ & (69.5) \\ & \hline \end{aligned}$ |
| 60 |  |  |  | $\begin{gathered} 9,490 \\ (28) \\ \hline \end{gathered}$ | $\begin{array}{r} 9,730 \\ (42.5) \\ \hline \end{array}$ | $\begin{gathered} 10,800 \\ (51) \\ \hline \end{gathered}$ | $\begin{gathered} 11,900 \\ (57) \end{gathered}$ | $\begin{aligned} & \begin{array}{l} 13,000 \\ (61.5) \end{array} \\ & \hline \end{aligned}$ | $\begin{gathered} 13,300 \\ (65) \end{gathered}$ |
| 70 |  |  |  |  | $\begin{gathered} \hline 6,020 \\ (30) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 7,040 \\ & (42.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8,080 \\ & (50) \\ & \hline \end{aligned}$ | $\begin{gathered} 9,130 \\ (56) \\ \hline \end{gathered}$ | $\begin{gathered} 10,200 \\ (60) \\ \hline \end{gathered}$ |
| 80 |  |  |  |  |  | $\begin{gathered} 4,390 \\ (32) \\ \hline \end{gathered}$ | $\begin{array}{r} 5,390 \\ (42.5) \\ \hline \end{array}$ | $\begin{aligned} & 6,400 \\ & (49.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 7,430 \\ (55) \end{gathered}$ |
| 90 |  |  |  |  |  | $\begin{aligned} & \hline 2,420 \\ & (15.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3,390 \\ & (33.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 4,370 \\ (43) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 5,370 \\ & (49.5) \\ & \hline \end{aligned}$ |
| 100 |  |  |  |  |  |  | $\begin{gathered} \hline 1,840 \\ (21) \\ \hline \end{gathered}$ | $\begin{gathered} 2,800 \\ (35) \end{gathered}$ | $\begin{gathered} 3,770 \\ (43) \end{gathered}$ |
| 110 |  |  |  |  |  |  |  | $\begin{aligned} & 1,550 \\ & (24.5) \end{aligned}$ | $\begin{gathered} 2,510 \\ (36) \end{gathered}$ |
| 120 |  |  |  |  |  |  |  |  | $\begin{gathered} \hline 1,480 \\ (27) \\ \hline \end{gathered}$ |
| Minimum boom angle (deg.) for indicated length (no load) |  |  |  |  |  |  |  | 5 | 10 |
| Maximum boom length (ft.) at 0 degree boom angle (no load) |  |  |  |  |  |  |  | 112 |  |

NOTE: ( ) Boom angles are in degrees.
\#LMI operating code. Refer to LMI manual for instructions.
*This capacity is based on maximum boom angle.
+12 parts line required to lift this capacity (using aux. boom nose). Refer to Operator's and Safety Handbook for reeving diagram.


NOTE: ( ) Reference radii in feet.

| Ext. \% |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Inner-mid | 0 | 50 | 50 | 75 | 100 | 100 | 100 | 100 | 100 |
| Center-mid | 0 | 25 | 50 | 75 | 100 | 100 | 100 | 100 | 100 |
| Outer-mid | 0 | 0 | 0 | 0 | 0 | 25 | 50 | 75 | 100 |
| Fly | 0 | 0 | 0 | 0 | 0 | 25 | 50 | 75 | 100 |

## 31 FT. - 56 FT. FOLDING BOOM EXTENSION <br> WITH 8,500 LB. COUNTERWEIGHT USING 125 FT. MAIN BOOM LENGTH ONOUTRIGGERS FULLY EXTENDED-360

| Radius in Feet | 31 FT. LENGTH |  |  | 56 FT. LENGTH |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \#0021 | \#0022 | \#0023 | \#0041 | \#0042 | \#0043 |
|  | $\begin{gathered} 1.5^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 25^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 45^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 1.5^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 25^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 45^{\circ} \\ \text { OFFSET } \end{gathered}$ |
| 30 | $\begin{gathered} \hline \text { *11,500 } \\ (80) \\ \hline \end{gathered}$ |  |  |  |  |  |
| 35 | $\begin{aligned} & 11,500 \\ & (78.5) \end{aligned}$ |  |  |  |  |  |
| 40 | $\begin{gathered} 11,500 \\ (77) \\ \hline \end{gathered}$ | $\begin{gathered} * 10,000 \\ (80) \\ \hline \end{gathered}$ |  | $\begin{aligned} & 6,950 \\ & (79.5) \\ & \hline \end{aligned}$ |  |  |
| 45 | $\begin{gathered} 11,500 \\ (75) \\ \hline \end{gathered}$ | $\begin{aligned} & 9,300 \\ & (78.5) \\ & \hline \end{aligned}$ | $\begin{gathered} * 8,000 \\ (80) \\ \hline \end{gathered}$ | $\begin{aligned} & 6,780 \\ & (78.5) \\ & \hline \end{aligned}$ |  |  |
| 50 | $\begin{aligned} & 11,000 \\ & (73.5) \end{aligned}$ | $\begin{aligned} & 8,790 \\ & (76.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 6,810 \\ & (78.5) \end{aligned}$ | $\begin{gathered} 6,620 \\ (77) \\ \hline \end{gathered}$ |  |  |
| 60 | $\begin{gathered} 10,050 \\ (70) \end{gathered}$ | $\begin{aligned} & 7,960 \\ & (72.5) \end{aligned}$ | $\begin{aligned} & 6,490 \\ & (74.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 6,290 \\ (74) \end{gathered}$ | $\begin{gathered} * 4,900 \\ (80) \end{gathered}$ |  |
| 70 | $\begin{gathered} 9,220 \\ (66) \end{gathered}$ | $\begin{array}{r} 7,360 \\ (68.5) \\ \hline \end{array}$ | $\begin{array}{r} 6,400 \\ (70.5) \\ \hline \end{array}$ | $\begin{gathered} 5,960 \\ (71) \end{gathered}$ | $\begin{array}{r} 4,560 \\ (76.5) \\ \hline \end{array}$ | $\begin{gathered} * 3,700 \\ (80) \end{gathered}$ |
| 80 | $\begin{gathered} 7,910 \\ (62) \end{gathered}$ | $\begin{aligned} & 6,900 \\ & (64.5) \end{aligned}$ | $\begin{gathered} 6,350 \\ (66) \end{gathered}$ | $\begin{aligned} & 5,640 \\ & (67.5) \end{aligned}$ | $\begin{gathered} 4,230 \\ (73) \end{gathered}$ | $\begin{aligned} & 3,520 \\ & (76.5) \end{aligned}$ |
| 90 | $\begin{aligned} & 5,790 \\ & (57.5) \end{aligned}$ | $\begin{gathered} \hline 6,380 \\ (60) \end{gathered}$ | $\begin{aligned} & 6,340 \\ & (61.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 5,260 \\ & (64.5) \end{aligned}$ | $\begin{aligned} & 3,870 \\ & (69.5) \end{aligned}$ | $\begin{aligned} & 3,400 \\ & (72.5) \end{aligned}$ |
| 100 | $\begin{gathered} 4,140 \\ (53) \end{gathered}$ | $\begin{gathered} 4,550 \\ (55) \\ \hline \end{gathered}$ | $\begin{aligned} & 5,110 \\ & (56.5) \end{aligned}$ | $\begin{aligned} & 4,980 \\ & (60.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 3,700 \\ & (65.5) \end{aligned}$ | $\begin{aligned} & 3,290 \\ & (68.5) \end{aligned}$ |
| 110 | $\begin{aligned} & 2,840 \\ & (47.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 3,090 \\ (50) \end{gathered}$ | $\begin{gathered} 3,460 \\ (51) \end{gathered}$ | $\begin{array}{r} 4,060 \\ (56.5) \\ \hline \end{array}$ | $\begin{aligned} & 3,480 \\ & (61.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 3,190 \\ (64) \end{gathered}$ |
| 120 | $\begin{aligned} & 1,770 \\ & (41.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 1,900 \\ (44) \end{gathered}$ |  | $\begin{gathered} 2,860 \\ (52) \\ \hline \end{gathered}$ | $\begin{aligned} & 3,290 \\ & (57.5) \end{aligned}$ | $\begin{aligned} & 3,110 \\ & (59.5) \end{aligned}$ |
| 130 |  |  |  | $\begin{aligned} & 1,860 \\ & (47.5) \end{aligned}$ | $\begin{aligned} & 2,380 \\ & (52.5) \end{aligned}$ | $\begin{gathered} 2,830 \\ (54) \end{gathered}$ |
| 140 |  |  |  | $\begin{aligned} & 1,020 \\ & (42.5) \end{aligned}$ | $\begin{aligned} & 1,430 \\ & (47.5) \end{aligned}$ |  |
| No Load Stability Data |  |  |  |  |  |  |
| Minimum boom angle (deg.) for indicated length | 37 | 39 | 46 | 42 | 46 | 47 |
| Maximum boom length <br> (ft.) at 0 deg. boom angle. | 99 |  |  | 87 |  |  |

NOTE: () Boom angles are in degrees.
A6-829-014542
\#LMI operating code. Refer to LMI manual for operating instructions.
*This capacity is based on maximum boom angle.

1. All capacities above the bold line are based on structural strength of boom extension and do not exceed $85 \%$ of tipping loads, in accordance with SAE J-765 NOV93.
2. 31 ft . and 56 ft . folding boom extension lengths may be used for single line lifting service only.
3. For main boom lengths less than 125 ft . with the boom extension erected, the rated loads are determined by boom angle. Use only the column which corresponds to the boom extension length and offset for which the machine is set up. For boom angles not shown, use rating of the next lower boom angle.
4. WARNING: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
5. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
6. Capacities listed are with outriggers properly extended and vertical jacks set only.

# 31 FT. - 56 FT. FOLDING BOOM EXTENSION <br> WITH 8,500 LB. COUNTERWEIGHT USING 138 FT. MAIN BOOM <br> ON OUTRIGGERS FULLY EXTENDED-360 

| Radius <br> in <br> Feet | 31 FT . LENGTH |  |  | 56 FT. LENGTH |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \#0021 | \#0022 | \#0023 | \#0041 | \#0042 | \#0043 |
|  | $\begin{gathered} 1.5^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 25^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 45^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 1.5^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 25^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 45^{\circ} \\ \text { OFFSET } \end{gathered}$ |
| 35 | $\begin{aligned} & 9,500 \\ & (79.5) \end{aligned}$ |  |  |  |  |  |
| 40 | $\begin{gathered} 9,500 \\ (78) \end{gathered}$ |  |  | $\begin{gathered} * 5,500 \\ (80) \\ \hline \end{gathered}$ |  |  |
| 45 | $\begin{aligned} & 9,500 \\ & (76.5) \end{aligned}$ | $\begin{gathered} * 8,750 \\ (80) \end{gathered}$ |  | $\begin{array}{r} 5,400 \\ (79.5) \\ \hline \end{array}$ |  |  |
| 50 | $\begin{gathered} 9,500 \\ (75) \\ \hline \end{gathered}$ | $\begin{aligned} & 7,490 \\ & (78.5) \end{aligned}$ | $\begin{gathered} * 7,800 \\ (80) \end{gathered}$ | $\begin{gathered} 5,300 \\ (78) \\ \hline \end{gathered}$ |  |  |
| 60 | $\begin{array}{r} 9,110 \\ (71.5) \\ \hline \end{array}$ | $\begin{gathered} \hline 7,060 \\ (75) \end{gathered}$ | $\begin{gathered} 6,740 \\ (77) \\ \hline \end{gathered}$ | $\begin{aligned} & 5,100 \\ & (75.5) \end{aligned}$ | $\begin{gathered} * 4,640 \\ (80) \end{gathered}$ |  |
| 70 | $\begin{aligned} & \hline 8,450 \\ & (68.5) \end{aligned}$ | $\begin{aligned} & \hline 6,720 \\ & (71.5) \end{aligned}$ | $\begin{aligned} & \hline 6,460 \\ & (73.5) \end{aligned}$ | $\begin{aligned} & 4,900 \\ & (72.5) \end{aligned}$ | $\begin{gathered} 4,430 \\ (78) \end{gathered}$ | $\begin{gathered} * 3,600 \\ (80) \end{gathered}$ |
| 80 | $\begin{array}{r} 7,550 \\ (64.5) \\ \hline \end{array}$ | $\begin{aligned} & 6,330 \\ & (68) \\ & \hline \end{aligned}$ | $\begin{array}{r} 6,350 \\ (69.5) \\ \hline \end{array}$ | $\begin{array}{r} 4,700 \\ (69.5) \\ \hline \end{array}$ | $\begin{aligned} & 4,220 \\ & (74.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 3,500 \\ & (77.5) \end{aligned}$ |
| 90 | $\begin{aligned} & 6,200 \\ & (60.5) \end{aligned}$ | $\begin{gathered} \hline 6,060 \\ (64) \end{gathered}$ | $\begin{aligned} & \hline 6,280 \\ & (65.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 4,500 \\ & (66.5) \end{aligned}$ | $\begin{gathered} 4,120 \\ (71) \end{gathered}$ | $\begin{gathered} 3,400 \\ (74) \end{gathered}$ |
| 100 | $\begin{aligned} & 4,530 \\ & (56.5) \end{aligned}$ | $\begin{gathered} 5,330 \\ (60) \end{gathered}$ | $\begin{gathered} 5,580 \\ (61) \end{gathered}$ | $\begin{aligned} & 4,300 \\ & (63.5) \end{aligned}$ | $\begin{aligned} & \hline 3,810 \\ & (67.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3,300 \\ & (70.5) \end{aligned}$ |
| 110 | $\begin{gathered} \hline 3,200 \\ (52) \end{gathered}$ | $\begin{aligned} & \hline 3,860 \\ & (55.5) \end{aligned}$ | $\begin{aligned} & \hline 3,970 \\ & (56.5) \end{aligned}$ | $\begin{array}{r} 4,100 \\ (59.5) \\ \hline \end{array}$ | $\begin{gathered} 3,600 \\ (64) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 3,200 \\ (67) \end{gathered}$ |
| 120 | $\begin{gathered} 2,120 \\ (47) \\ \hline \end{gathered}$ | $\begin{aligned} & 2,660 \\ & (50.5) \end{aligned}$ | $\begin{gathered} \hline 2,660 \\ (52) \end{gathered}$ | $\begin{gathered} 3,120 \\ (56) \end{gathered}$ | $\begin{aligned} & 3,400 \\ & (60.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 3,100 \\ (63) \end{gathered}$ |
| 130 | $\begin{array}{r} 1,220 \\ (41.5) \\ \hline \end{array}$ | $\begin{gathered} \hline 1,660 \\ (45) \end{gathered}$ |  | $\begin{gathered} \hline 2,150 \\ (52) \\ \hline \end{gathered}$ | $\begin{gathered} 2,640 \\ (56) \end{gathered}$ | $\begin{aligned} & \hline 3,000 \\ & (58.5) \\ & \hline \end{aligned}$ |
| 140 |  |  |  | $\begin{aligned} & 1,320 \\ & (47.5) \end{aligned}$ | $\begin{aligned} & 1,640 \\ & (51.5) \end{aligned}$ | $\begin{array}{r} 1,920 \\ (53.5) \\ \hline \end{array}$ |
| No Load Stability Data |  |  |  |  |  |  |
| Minimum boom angle (deg.) for indicated length | 39 | 44 | 45 | 47 | 49 | 50 |
| Maximum boom length <br> (ft.) at 0 deg. boom angle | 99 |  |  | 87 |  |  |

NOTE: () Boom angles are in degrees
A6-829-014543A
\#LMI operating code. Refer to LMI manual for operating instructions.
*This capacity is based on maximum boom angle.

1. All capacities above the bold line are based on structural strength of boom extension and do not exceed $85 \%$ of tipping loads, in accordance with SAE J-765 NOV93.
2. 31 ft . and 56 ft . folding boom extension lengths may be used for single line lifting service only.
3. For main boom lengths between 125 ft . and fully extended with the boom extension erected, the rated loads are determined by boom angle. Use only the column which corresponds to the boom extension length and offset for which the machine is set up. For boom angles not shown, use rating of the next lower boom angle.
4. WARNING: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
5. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
6. Capacities listed are with outriggers properly extended and vertical jacks set only.

## 31 FT. - 56 FT. LUFFING FOLDING BOOM EXTENSION WITH 8,500 LB. COUNTERWEIGHT USING 125 FT. MAIN BOOM LENGTH ON OUTRIGGERS FULLY EXTENDED - $360^{\circ}$

| Radius in Feet (reference) | 31 FT . LENGTH |  |  | 56 FT. LENGTH |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \#0910 | \#0911 | \#0912 | \#0920 | \#0921 | \#0922 |
|  | $\begin{gathered} 1.5^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 25^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 45^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 1.5^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 25^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 45^{\circ} \\ \text { OFFSET } \end{gathered}$ |
| 30 | $\begin{gathered} \hline \text { *11,000 } \\ (80) \\ \hline \end{gathered}$ |  |  |  |  |  |
| 35 | $\begin{aligned} & 11,000 \\ & (78.5) \\ & \hline \end{aligned}$ |  |  |  |  |  |
| 40 | $\begin{gathered} \hline 11,000 \\ (77) \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { *10,000 } \\ (80) \\ \hline \end{gathered}$ |  | $\begin{array}{r} \hline 6,450 \\ (79.5) \\ \hline \end{array}$ |  |  |
| 45 | $\begin{gathered} 11,000 \\ (75) \\ \hline \end{gathered}$ | $\begin{aligned} & 9,300 \\ & (78.5) \\ & \hline \end{aligned}$ | $\begin{gathered} * 8,000 \\ (80) \\ \hline \end{gathered}$ | $\begin{array}{r} 6,450 \\ (78.5) \\ \hline \end{array}$ |  |  |
| 50 | $\begin{aligned} & 11,000 \\ & (73.5) \\ & \hline \end{aligned}$ | $\begin{array}{r} 8,790 \\ (76.5) \\ \hline \end{array}$ | $\begin{array}{r} 6,810 \\ (78.5) \\ \hline \end{array}$ | $\begin{gathered} \hline 6,450 \\ (77) \\ \hline \end{gathered}$ |  |  |
| 60 | $\begin{gathered} 10,050 \\ (70) \\ \hline \end{gathered}$ | $\begin{array}{r} \hline 7,960 \\ (72.5) \\ \hline \end{array}$ | $\begin{aligned} & 6,490 \\ & (74.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6,290 \\ (74) \\ \hline \end{gathered}$ | $\begin{gathered} * 4,900 \\ (80) \\ \hline \end{gathered}$ |  |
| 70 | $\begin{gathered} \hline 9,220 \\ (66) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 7,360 \\ & (68.5) \end{aligned}$ | $\begin{aligned} & \hline 6,400 \\ & (70.5) \end{aligned}$ | $\begin{gathered} \hline 5,960 \\ (71) \end{gathered}$ | $\begin{aligned} & \hline 4,560 \\ & (76.5) \\ & \hline \end{aligned}$ | $\begin{gathered} * 3,700 \\ (80) \end{gathered}$ |
| 80 | $\begin{gathered} 7,780 \\ (62) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 6,900 \\ & (64.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6,350 \\ (66) \end{gathered}$ | $\begin{aligned} & \hline 5,640 \\ & (67.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 4,230 \\ (73) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 3,520 \\ & (76.5) \\ & \hline \end{aligned}$ |
| 90 | $\begin{aligned} & 5,630 \\ & (57.5) \end{aligned}$ | $\begin{gathered} 6,170 \\ (60) \end{gathered}$ | $\begin{aligned} & 6,320 \\ & (61.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 5,260 \\ & (64.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3,870 \\ & (69.5) \end{aligned}$ | $\begin{aligned} & \hline 3,400 \\ & (72.5) \end{aligned}$ |
| 100 | $\begin{gathered} \hline 3,960 \\ (53) \end{gathered}$ | $\begin{gathered} \hline 4,370 \\ (55) \end{gathered}$ | $\begin{aligned} & \hline 4,340 \\ & (56.5) \end{aligned}$ | $\begin{aligned} & \hline 4,980 \\ & (60.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3,700 \\ & (65.5) \end{aligned}$ | $\begin{aligned} & \hline 3,290 \\ & (68.5) \end{aligned}$ |
| 110 | $\begin{aligned} & \hline 2,590 \\ & (47.5) \end{aligned}$ | $\begin{gathered} \hline 2,940 \\ (50) \end{gathered}$ | $\begin{gathered} \hline 2,700 \\ (51) \end{gathered}$ | $\begin{aligned} & 3,630 \\ & (56.5) \end{aligned}$ | $\begin{aligned} & 3,480 \\ & (61.5) \end{aligned}$ | $\begin{gathered} \hline 3,190 \\ (64) \end{gathered}$ |
| 120 | $\begin{array}{r} 1,480 \\ (41.5) \\ \hline \end{array}$ | $\begin{aligned} & \hline 1,780 \\ & (44) \\ & \hline \end{aligned}$ |  | $\begin{aligned} & \hline 2,500 \\ & (52) \\ & \hline \end{aligned}$ | $\begin{aligned} & 3,290 \\ & (57.5) \end{aligned}$ | $\begin{aligned} & \hline 3,110 \\ & (59.5) \end{aligned}$ |
| 130 |  |  |  | $\begin{aligned} & 1,570 \\ & (47.5) \end{aligned}$ | $\begin{aligned} & 2,300 \\ & (52.5) \end{aligned}$ | $\begin{gathered} 2,590 \\ (54) \end{gathered}$ |
| 140 |  |  |  |  | $\begin{aligned} & 1,290 \\ & (47.5) \end{aligned}$ |  |
| No Load Stability Data |  |  |  |  |  |  |
| Minimum boom angle (deg.) for indicated length | 37 | 39 | 46 | 42 | 46 | 47 |
| $\begin{gathered} \text { Maximum boom } \\ \text { length (ft.) at } 0 \text { deg. } \\ \text { boom angle. } \\ \hline \end{gathered}$ | 87 |  |  | 74 |  |  |

NOTE: ( ) Boom angles are in degrees.
A6-829-100355
\#LMI operating code, for reference only (does not require input - automatically displayed). Refer to LMI manual for operating instructions.

* This capacity is based on maximum boom angle.

1. Capacities are based on main boom angles in conjunction with extension offset angle. Radii are for 125 ' main boom length only.
2. All capacities above the bold line are based on structural strength of boom extension and do not exceed $85 \%$ of tipping loads, in accordance with SAE J-765.
3. 31 ft . and 56 ft . luffing folding boom extension lengths may be used for single line lifting service only.
4. For main boom lengths less than 125 ft . with the boom extension erected, the rated loads are determined by boom angle. Use only the column which corresponds to the boom extension length and offset for which the machine is set up. For boom angles not shown, use rating of the next lower boom angle. For extension offset angles not shown, use rating of next greater offset angle.
5. WARNING: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
6. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
7. Capacities listed are with outriggers properly extended and vertical jacks set only.

## 31 FT. - 56 FT. LUFFING FOLDING BOOM EXTENSION WITH 8,500 LB. COUNTERWEIGHT USING 138 FT. MAIN BOOM ON OUTRIGGERS FULLY EXTENDED-360

| Radius in Feet (reference) | 31 FT . LENGTH |  |  | 56 FT. LENGTH |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | \#0910 | \#0911 | \#0912 | \#0920 | \#0921 | \#0922 |
|  | $\begin{gathered} \hline 1.5^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 25^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 45^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} \hline 1.5^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 25^{\circ} \\ \text { OFFSET } \end{gathered}$ | $\begin{gathered} 45^{\circ} \\ \text { OFFSET } \end{gathered}$ |
| 35 | $\begin{aligned} & 9,500 \\ & (79.5) \\ & \hline \end{aligned}$ |  |  |  |  |  |
| 40 | $\begin{gathered} 9,500 \\ (78) \\ \hline \end{gathered}$ |  |  | $\begin{gathered} * 5,500 \\ (80) \\ \hline \end{gathered}$ |  |  |
| 45 | $\begin{aligned} & 9,500 \\ & (76.5) \end{aligned}$ | $\begin{gathered} * 8,750 \\ (80) \end{gathered}$ |  | $\begin{aligned} & 5,400 \\ & (79.5) \\ & \hline \end{aligned}$ |  |  |
| 50 | $\begin{gathered} 9,500 \\ (75) \\ \hline \end{gathered}$ | $\begin{array}{r} 7,490 \\ (78.5) \\ \hline \end{array}$ | $\begin{gathered} * 7,800 \\ (80) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 5,300 \\ (78) \\ \hline \end{gathered}$ |  |  |
| 60 | $\begin{array}{r} 9,110 \\ (71.5) \\ \hline \end{array}$ | $\begin{gathered} 7,060 \\ (75) \end{gathered}$ | $\begin{gathered} 6,740 \\ (77) \\ \hline \end{gathered}$ | $\begin{array}{r} 5,100 \\ (75.5) \\ \hline \end{array}$ | $\begin{gathered} * 4,640 \\ (80) \\ \hline \end{gathered}$ |  |
| 70 | $\begin{aligned} & 8,450 \\ & (68.5) \\ & \hline \end{aligned}$ | $\begin{array}{r} 6,720 \\ (71.5) \\ \hline \end{array}$ | $\begin{array}{r} 6,460 \\ (73.5) \\ \hline \end{array}$ | $\begin{array}{r} 4,900 \\ (72.5) \\ \hline \end{array}$ | $\begin{gathered} 4,430 \\ (78) \\ \hline \end{gathered}$ | $\begin{gathered} * 3,600 \\ (80) \\ \hline \end{gathered}$ |
| 80 | $\begin{aligned} & \hline 7,550 \\ & (64.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6,330 \\ (68) \\ \hline \end{gathered}$ | $\begin{aligned} & 6,350 \\ & (69.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 4,700 \\ & (69.5) \\ & \hline \end{aligned}$ | $\begin{array}{r} 4,220 \\ (74.5) \\ \hline \end{array}$ | $\begin{aligned} & 3,500 \\ & (77.5) \\ & \hline \end{aligned}$ |
| 90 | $\begin{aligned} & 5,600 \\ & (60.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 6,060 \\ (64) \end{gathered}$ | $\begin{aligned} & \hline 6,160 \\ & (65.5) \end{aligned}$ | $\begin{aligned} & 4,500 \\ & (66.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 4,120 \\ (71) \\ \hline \end{gathered}$ | $\begin{gathered} 3,400 \\ (74) \\ \hline \end{gathered}$ |
| 100 | $\begin{aligned} & 4,020 \\ & (56.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 5,030 \\ (60) \\ \hline \end{gathered}$ | $\begin{gathered} 5,220 \\ (61) \\ \hline \end{gathered}$ | $\begin{aligned} & 4,300 \\ & (63.5) \end{aligned}$ | $\begin{aligned} & 3,810 \\ & (67.5) \\ & \hline \end{aligned}$ | $\begin{array}{r} 3,300 \\ (70.5) \\ \hline \end{array}$ |
| 110 | $\begin{gathered} \hline 2,760 \\ (52) \\ \hline \end{gathered}$ | $\begin{aligned} & \hline 3,470 \\ & (55.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3,590 \\ & (56.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 3,950 \\ & (59.5) \\ & \hline \end{aligned}$ | $\begin{gathered} \hline 3,600 \\ (64) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 3,200 \\ (67) \\ \hline \end{gathered}$ |
| 120 | $\begin{gathered} \hline 1,740 \\ (47) \\ \hline \end{gathered}$ | $\begin{aligned} & 2,200 \\ & (50.5) \\ & \hline \end{aligned}$ | $\begin{gathered} 2,270 \\ (51) \\ \hline \end{gathered}$ | $\begin{gathered} 2,820 \\ (56) \\ \hline \end{gathered}$ | $\begin{aligned} & 3,400 \\ & (60.5) \end{aligned}$ | $\begin{gathered} 3,100 \\ (63) \end{gathered}$ |
| 130 |  | $\begin{gathered} \hline 1,140 \\ (45) \end{gathered}$ |  | $\begin{gathered} 1,780 \\ (52) \end{gathered}$ | $\begin{gathered} 2,580 \\ (56) \\ \hline \end{gathered}$ | $\begin{array}{r} 2,940 \\ (58.5) \\ \hline \end{array}$ |
| 140 |  |  |  |  | $\begin{aligned} & 1,600 \\ & (51.5) \end{aligned}$ | $\begin{aligned} & 1,880 \\ & (53.5) \end{aligned}$ |
| No Load Stability Data |  |  |  |  |  |  |
| Minimum boom angle (deg.) for indicated length | 39 | 44 | 45 | 47 | 49 | 50 |
| $\begin{array}{c\|} \hline \text { Maximum boom } \\ \text { length (tt.) at } 0 \text { deg. } \\ \text { boom angle } \end{array}$ | 87 |  |  | 74 |  |  |

NOTE: ( ) Boom angles are in degrees.
\#LMI operating code, for reference only (does not require input - automatically displayed). Refer to LMI manual for operating instructions.
*This capacity is based on maximum boom angle.

1. Capacities are based on main boom angle in conjunction with extension offset angle. Radii are for 138 ft . main boom length only.
2. All capacities above the bold line are based on structural strength of boom extension and do not exceed $85 \%$ of tipping loads, in accordance with SAE J-765.
3. 31 ft . and 56 ft . luffing folding boom extension lengths may be used for single line lifting service only.
4. For main boom lengths between 125 ft . and fully extended with the boom extension erected, the rated loads are determined by boom angle. Use only the column which corresponds to the boom extension length and offset for which the machine is set up. For boom angles not shown, use rating of the next lower boom angle. For extension offset angles not shown, use rating of next greater offset angle.
5. WARNING: Operation of this machine with heavier loads than the capacities listed is strictly prohibited. Machine tipping with boom extension occurs rapidly and without advance warning.
6. Boom angle is the angle above or below horizontal of the longitudinal axis of the boom base section after lifting rated load.
7. Capacities listed are with outriggers properly extended and vertical jacks set only.

## GROVE

## TMS:7-C Features and Benefits



Standard front and rear air ride suspension provides comfortable ride at max speed of 65 mph


Electronically controlled Cummins six cylinder, turbo charged, 400 bhp diesel -highest in 75 ton class

Optional luffing swingaway for five section boom offers ability to offset in air under load


Both carrier and operator's cab constructed from galvannealed metal and finished with Imron 5000 to improve longevity

Hot water cab heater/defrosters also standard in both cabs


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[^0]:    *Denotes optional equipment

