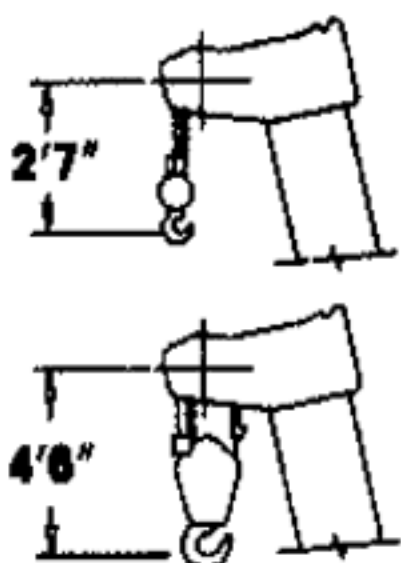
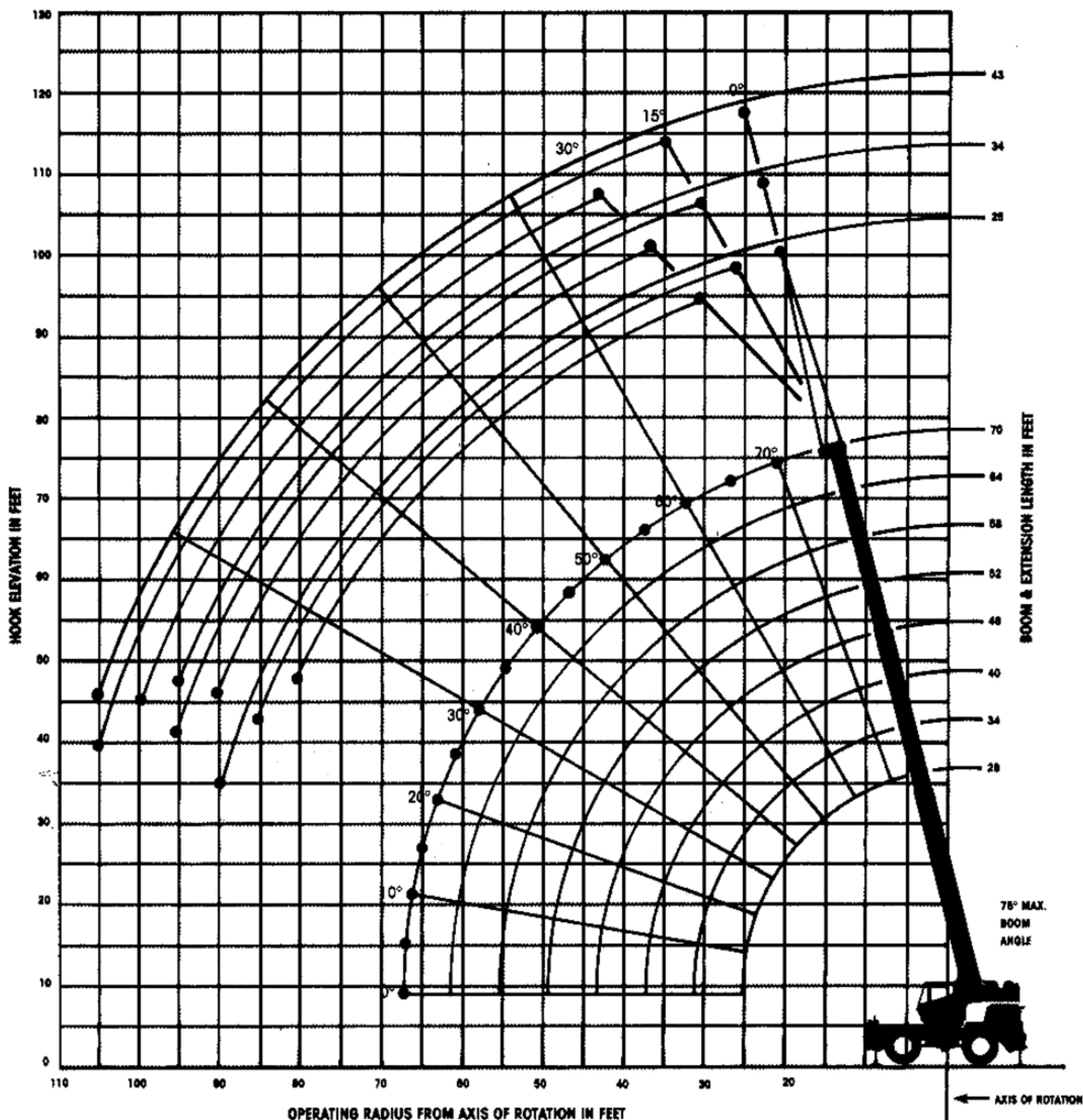




# RT528C

Rough terrain hydraulic crane/28 ft.-70 ft. boom

RANGE DIAGRAM (UNLADEN BOOM)



DIMENSIONS ARE FOR LARGEST GROVE FURNISHED HOOK BLOCK AND HEADACHE BALL, WITH ANTI-TWO BLOCK ACTIVATED.

# NOTES FOR LIFTING CAPACITIES

1. All rated loads have been tested to and meet minimum requirements of SAE J1063 OCT80 - Cantilevered Boom Crane Structures - Method of Test, and do not exceed 85% of the tipping load on outriggers (75% of the tipping load on rubber) as determined by SAE J765 OCT80 Crane Stability Test Code.
2. This chart is intended as a guide only. The individual crane's load chart operating instructions and other instruction plates give details of the conditions under which the crane may be operated safely. ALL OF THESE INSTRUCTIONS MUST BE READ AND UNDERSTOOD PRIOR TO OPERATING THE CRANE.
3. Capacities given do not include the weight of hookblocks, slings, auxiliary lifting equipment and load handling devices. Their weights MUST be added to the load to be lifted. When more than minimum required reeving is used, the additional rope weight shall be considered part of the load.
4. Capacities appearing above the bold line are based on structural strength and tipping should not be relied upon as a capacity limitation.
5. All capacities are for crane on firm, level surface. It may be necessary to have structural supports under the outrigger floats or tires to spread the load to a larger bearing surface.
6. When either boom length or radius or both are between values listed, the smallest load shown at either the next larger radius or boom length shall be used.
7. For outrigger operation, ALL outriggers shall be fully extended with tires raised free of ground before raising the boom or lifting loads.
8. Tires shall be inflated to the recommended pressure before lifting on rubber.
9. Unless otherwise stated, capacities are with powered boom sections equally extended.
10. Defined Arc - 6° on either side of longitudinal centerline of machine.
11. With tele-boom extension in working position and main boom length greater than 70 ft., boom angle must not be less than 30°.

Constant improvement and engineering progress makes it necessary that we reserve the right to make specification, equipment, and price changes without notice. Illustrations shown may include optional equipment and accessories and may not include all standard equipment.

North and South America, U.S.S.R., Far East, Australasia

## GROVE MANUFACTURING COMPANY

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## GROVE

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FORM NO.: LC-RT528C-Dom.

489-10M PRINTED IN U.S.A.

## ON RUBBER CAPACITIES WITH 20.5 x 25 TIRES STATIONARY CAPACITIES - 360°

| Radius in Feet | Main Boom Length in Feet |                  |                 |                 |                 |                 |                 |
|----------------|--------------------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                | 28                       | 34               | 40              | 46              | 52              | 58              | 70              |
| 10             | 26,200<br>(64)           | 26,200<br>(69)   |                 |                 |                 |                 |                 |
| 12             | 19,350<br>(59.5)         | 19,350<br>(65.5) | 16,000<br>(70)  |                 |                 |                 |                 |
| 15             | 13,200<br>(51.5)         | 13,200<br>(59.5) | 13,200<br>(66)  | 13,200<br>(69)  |                 |                 |                 |
| 20             | 7,910<br>(36.5)          | 7,910<br>(49)    | 7,910<br>(57)   | 7,910<br>(62)   | 7,910<br>(66)   | 7,400<br>(69.5) |                 |
| 25             | 5,060<br>(6)             | 5,060<br>(36)    | 5,060<br>(47.5) | 5,060<br>(54.5) | 5,060<br>(60)   | 5,060<br>(64)   | 5,060<br>(67)   |
| 30             |                          | 3,600<br>(15.5)  | 3,600<br>(36.5) | 3,600<br>(46.5) | 3,600<br>(53)   | 3,600<br>(58)   | 3,600<br>(62)   |
| 35             |                          |                  | 2,610<br>(20)   | 2,610<br>(36.5) | 2,610<br>(45.5) | 2,610<br>(51.5) | 2,610<br>(56.5) |
| 40             |                          |                  |                 | 1,890<br>(23)   | 1,890<br>(36.5) | 1,890<br>(45)   | 1,890<br>(50.5) |
| 45             |                          |                  |                 |                 | 1,340<br>(25)   | 1,340<br>(37)   | 1,340<br>(44.5) |
| 50             |                          |                  |                 |                 |                 | 910<br>(26.5)   | 910<br>(37)     |

A6-829-009073

## STATIONARY CAPACITIES - DEFINED ARC OVER FRONT

| Radius in Feet | Main Boom Length in Feet |                  |                 |                 |                 |                  |                 |
|----------------|--------------------------|------------------|-----------------|-----------------|-----------------|------------------|-----------------|
|                | 28                       | 34               | 40              | 46              | 52              | 58               | 70              |
| 10             | 28,650<br>(64)           | 28,650<br>(69)   |                 |                 |                 |                  |                 |
| 12             | 24,950<br>(59.5)         | 24,950<br>(65.5) | 21,000<br>(70)  |                 |                 |                  |                 |
| 15             | 20,900<br>(51.5)         | 20,900<br>(59.5) | 20,900<br>(66)  | 16,500<br>(69)  |                 |                  |                 |
| 20             | 14,900<br>(36.5)         | 14,900<br>(49)   | 14,900<br>(57)  | 12,200<br>(62)  | 12,200<br>(66)  | 12,200<br>(69.5) |                 |
| 25             | 9,900<br>(6)             | 9,900<br>(36)    | 9,900<br>(47.5) | 9,900<br>(54.5) | 9,400<br>(60)   | 9,400<br>(64)    | 9,400<br>(67)   |
| 30             |                          | 7,350<br>(15.5)  | 7,350<br>(36.5) | 7,350<br>(46.5) | 7,000<br>(53)   | 7,000<br>(58)    | 7,000<br>(62)   |
| 35             |                          |                  | 5,640<br>(20)   | 5,640<br>(36.5) | 5,640<br>(45.5) | 5,640<br>(51.5)  | 5,640<br>(56.5) |
| 40             |                          |                  |                 | 4,450<br>(23)   | 4,450<br>(36.5) | 4,450<br>(45)    | 4,450<br>(50.5) |
| 45             |                          |                  |                 |                 | 3,550<br>(25)   | 3,550<br>(37)    | 3,550<br>(44.5) |
| 50             |                          |                  |                 |                 |                 | 2,850<br>(26.5)  | 2,850<br>(37)   |
| 55             |                          |                  |                 |                 |                 | 2,290<br>(3.5)   | 2,290<br>(28)   |
| 60             |                          |                  |                 |                 |                 |                  | 1,840<br>(13)   |
| 65             |                          |                  |                 |                 |                 |                  | 1,460<br>(15.5) |

A6-829-009074

## PICK & CARRY CAPACITIES (UP TO 2.5 MPH) - BOOM CENTERED OVER FRONT

| Radius in Feet | Main Boom Length in Feet |                  |                 |                 |                 |                  |                 |
|----------------|--------------------------|------------------|-----------------|-----------------|-----------------|------------------|-----------------|
|                | 28                       | 34               | 40              | 46              | 52              | 58               | 70              |
| 10             | 33,800<br>(64)           |                  |                 |                 |                 |                  |                 |
| 12             | 29,000<br>(59.5)         |                  |                 |                 |                 |                  |                 |
| 15             | 23,600<br>(51.5)         | 23,600<br>(59.5) | 23,600<br>(66)  | 23,600<br>(69)  |                 |                  |                 |
| 20             | 14,900<br>(36.5)         | 14,900<br>(49)   | 14,900<br>(57)  | 14,900<br>(62)  | 12,200<br>(66)  | 12,200<br>(69.5) |                 |
| 25             | 9,900<br>(6)             | 9,900<br>(36)    | 9,900<br>(47.5) | 9,900<br>(54.5) | 9,900<br>(60)   | 9,400<br>(64)    | 9,400<br>(67)   |
| 30             |                          | 7,180<br>(15.5)  | 7,180<br>(36.5) | 7,180<br>(46.5) | 7,180<br>(53)   | 7,180<br>(58)    | 7,000<br>(62)   |
| 35             |                          |                  | 5,640<br>(20)   | 5,640<br>(36.5) | 5,640<br>(45.5) | 5,640<br>(51.5)  | 5,640<br>(56.5) |
| 40             |                          |                  |                 | 4,450<br>(23)   | 4,450<br>(36.5) | 4,450<br>(45)    | 4,450<br>(50.5) |
| 45             |                          |                  |                 |                 | 3,550<br>(25)   | 3,550<br>(37)    | 3,550<br>(44.5) |
| 50             |                          |                  |                 |                 |                 | 2,850<br>(26.5)  | 2,850<br>(37)   |
| 55             |                          |                  |                 |                 |                 | 2,290<br>(3.5)   | 2,290<br>(28)   |
| 60             |                          |                  |                 |                 |                 |                  | 1,840<br>(13)   |
| 65             |                          |                  |                 |                 |                 |                  | 1,460<br>(15.5) |

NOTE: Boom angles are in degrees.

A6-829-009075

| No Load Stability Data |                                             | Main Boom 70 ft. |
|------------------------|---------------------------------------------|------------------|
| Front (No load)        | Min. boom angle (deg.) for indicated length | 0                |
|                        | Max. boom length (ft.) at 0 deg. boom angle | 70               |
| 360 Deg. (No load)     | Min. boom angle (deg.) for indicated length | 34               |
|                        | Max. boom length (ft.) at 0 deg. boom angle | 52               |

## 25 FT. BOOM EXTENSION ON OUTRIGGERS - 360°

| Radius in Feet | Boom Angle Ref. | Cap. (lbs.) |
|----------------|-----------------|-------------|
| 25             | 75.0            | 12,500      |
| 30             | 71.5            | 10,700      |
| 35             | 68.0            | 9,230       |
| 40             | 65.0            | 8,280       |
| 45             | 61.5            | 7,340       |
| 50             | 58.0            | 6,720       |
| 55             | 54.0            | 6,430       |
| 60             | 50.0            | 6,070       |
| 65             | 46.0            | 5,180       |
| 70             | 41.5            | 4,440       |
| 75             | 36.5            | 3,820       |
| 80             | 30.5            | 3,280       |
| 85             | 23.5            | 2,810       |
| 90             | 12.5            | 2,400       |

A6-828-008673

\*This capacity is based upon the maximum boom angle.

## WEIGHT REDUCTIONS FOR LOAD HANDLING DEVICES

### 25 FT. BOOM EXTENSION

|            |            |
|------------|------------|
| †Stowed -  | 402 lbs.   |
| †Erected - | 1,279 lbs. |

### 25 FT. - 43 FT. TELE. EXTENSION

|                        |            |
|------------------------|------------|
| †Stowed -              | 725 lbs.   |
| †Erected (Retracted) - | 3,350 lbs. |
| †Erected (Extended) -  | 4,262 lbs. |

†Reduction of main boom capacities.

### HOOKBLOCKS:

|                     |          |
|---------------------|----------|
| 12 Ton, 1 Sheave    | 360 lbs. |
| 35 Ton, 4 Sheave    | 600 lbs. |
| 22 Ton, 3 Sheave    | 455 lbs. |
| Auxiliary Boom Head | 112 lbs. |
| 5 Ton Headache Ball | 172 lbs. |

## RATED CAPACITIES ON OUTRIGGERS 28 FT. - 70 FT. BOOM ON OUTRIGGERS - 360°

| Radius in Feet                                           | Main Boom Length in Feet |                  |                  |                  |                  |                  |                  |                  |
|----------------------------------------------------------|--------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                                                          | 28                       | 34               | 40               | 46               | 52               | 58               | 64               | 70               |
| 10.0                                                     | 56,000<br>(64)           | 36,000<br>(69)   | 36,000<br>(73)   |                  |                  |                  |                  |                  |
| 12.0                                                     | 40,000<br>(59.5)         | 36,000<br>(65.5) | 36,000<br>(70)   | 35,000<br>(73)   |                  |                  |                  |                  |
| 15.0                                                     | 34,000<br>(51.5)         | 34,000<br>(59.5) | 30,950<br>(66)   | 30,300<br>(69)   | 29,750<br>(72)   | 29,150<br>(74.5) |                  |                  |
| 20.0                                                     | 23,200<br>(36.5)         | 23,200<br>(49)   | 23,200<br>(57)   | 23,200<br>(62)   | 23,000<br>(66)   | 22,600<br>(69.5) | 22,250<br>(72)   | 20,500<br>(74)   |
| 25.0                                                     | 17,950<br>(6)            | 17,950<br>(36)   | 17,950<br>(47.5) | 17,950<br>(54.5) | 17,950<br>(60)   | 17,950<br>(64)   | 17,950<br>(67)   | 17,650<br>(69.5) |
| 30.0                                                     |                          | 15,350<br>(15.5) | 15,350<br>(36.5) | 15,350<br>(46.5) | 15,350<br>(53)   | 15,150<br>(58)   | 14,950<br>(62)   | 14,750<br>(65)   |
| 35.0                                                     |                          |                  | 12,850<br>(20)   | 12,850<br>(36.5) | 12,850<br>(45.5) | 12,800<br>(51.5) | 12,650<br>(56.5) | 12,500<br>(60)   |
| 40.0                                                     |                          |                  |                  | 10,750<br>(23)   | 10,750<br>(36.5) | 10,750<br>(45)   | 10,750<br>(50.5) | 10,750<br>(55)   |
| 45.0                                                     |                          |                  |                  |                  | 9,020<br>(25)    | 9,020<br>(37)    | 9,020<br>(44.5)  | 9,020<br>(49.5)  |
| 50.0                                                     |                          |                  |                  |                  |                  | 7,420<br>(26.5)  | 7,420<br>(37)    | 7,420<br>(43.5)  |
| 55.0                                                     |                          |                  |                  |                  |                  | 6,170<br>(3.5)   | 6,170<br>(28)    | 6,170<br>(37)    |
| 60.0                                                     |                          |                  |                  |                  |                  |                  | 5,170<br>(13)    | 5,170<br>(28.5)  |
| 65.0                                                     |                          |                  |                  |                  |                  |                  |                  | 4,350<br>(15.5)  |
| Minimum boom angle (deg.) for indicated length (no load) |                          |                  |                  |                  |                  |                  |                  | 0                |
| Maximum boom length (ft.) at 0 deg. boom angle (no load) |                          |                  |                  |                  |                  |                  |                  | 70               |

NOTE: Boom angles are in degrees.

A6-829-008639

## 25 FT. - 43 FT. TELE. EXTENSION ON OUTRIGGERS - 360°

| Radius in Feet | 25 ft. LENGTH          |           |                        |           |                        |           | 34 ft. LENGTH          |           |                        |           |                        |           | 43 ft. LENGTH          |           |                        |           |                        |           |
|----------------|------------------------|-----------|------------------------|-----------|------------------------|-----------|------------------------|-----------|------------------------|-----------|------------------------|-----------|------------------------|-----------|------------------------|-----------|------------------------|-----------|
|                | 0° OFFSET              |           | 15° OFFSET             |           | 30° OFFSET             |           | 0° OFFSET              |           | 15° OFFSET             |           | 30° OFFSET             |           | 0° OFFSET              |           | 15° OFFSET             |           | 30° OFFSET             |           |
|                | Boom Angle Ref. (Deg.) | Cap. lbs. | Boom Angle Ref. (Deg.) | Cap. lbs. | Boom Angle Ref. (Deg.) | Cap. lbs. | Boom Angle Ref. (Deg.) | Cap. lbs. | Boom Angle Ref. (Deg.) | Cap. lbs. | Boom Angle Ref. (Deg.) | Cap. lbs. | Boom Angle Ref. (Deg.) | Cap. lbs. | Boom Angle Ref. (Deg.) | Cap. lbs. | Boom Angle Ref. (Deg.) | Cap. lbs. |
| 25             | 75.0                   | 12,500    | 75.0                   | 7,300     |                        |           | 75.0                   | 7,700     |                        |           |                        |           | 75.0                   | 4,500     |                        |           |                        |           |
| 30             | 71.5                   | 10,700    | 74.0                   | 7,170     | 75.0                   | 5,250     | 73.0                   | 7,180     | 75.0                   | 4,900     |                        |           | 74.0                   | 4,430     |                        |           |                        |           |
| 35             | 68.0                   | 9,230     | 70.5                   | 6,490     | 73.0                   | 5,080     | 70.0                   | 6,110     | 73.5                   | 4,790     |                        |           | 71.5                   | 3,960     | 75.0                   | 2,800     |                        |           |
| 40             | 65.0                   | 8,280     | 67.5                   | 5,900     | 69.5                   | 4,730     | 67.0                   | 5,370     | 70.5                   | 4,360     | 75.0                   | 3,200     | 68.5                   | 3,640     | 74.0                   | 2,770     |                        |           |
| 45             | 61.5                   | 7,340     | 64.0                   | 5,460     | 66.0                   | 4,440     | 63.5                   | 4,870     | 67.5                   | 4,020     | 71.5                   | 2,900     | 66.0                   | 3,360     | 71.0                   | 2,640     | 75.0                   | 2,200     |
| 50             | 58.0                   | 6,720     | 60.5                   | 5,210     | 62.5                   | 4,270     | 60.0                   | 4,500     | 64.5                   | 3,730     | 68.0                   | 2,590     | 63.5                   | 3,140     | 68.5                   | 2,520     | 73.0                   | 2,150     |
| 55             | 54.0                   | 6,430     | 56.5                   | 5,030     | 58.5                   | 4,130     | 56.5                   | 4,070     | 61.5                   | 3,400     | 64.5                   | 2,360     | 60.5                   | 2,920     | 65.5                   | 2,400     | 69.5                   | 2,080     |
| 60             | 50.0                   | 5,510     | 53.0                   | 4,970     | 54.5                   | 3,980     | 53.0                   | 3,700     | 58.0                   | 3,100     | 61.0                   | 2,220     | 57.5                   | 2,730     | 62.5                   | 2,280     | 66.5                   | 2,020     |
| 65             | 46.0                   | 4,630     | 48.5                   | 4,630     | 50.0                   | 3,900     | 49.5                   | 3,450     | 54.5                   | 2,830     | 57.0                   | 2,070     | 54.5                   | 2,560     | 59.0                   | 2,170     | 63.0                   | 1,950     |
| 70             | 41.5                   | 3,890     | 44.0                   | 3,890     | 45.5                   | 3,800     | 45.5                   | 3,310     | 50.5                   | 2,610     | 53.0                   | 1,940     | 51.5                   | 2,360     | 56.0                   | 2,110     | 59.5                   | 1,880     |
| 75             | 36.5                   | 3,270     | 39.0                   | 3,270     | 40.0                   | 3,270     | 41.0                   | 3,170     | 46.5                   | 2,470     | 48.5                   | 1,880     | 48.0                   | 2,240     | 52.5                   | 2,040     | 56.0                   | 1,810     |
| 80             | 30.5                   | 2,730     | 33.0                   | 2,730     | 34.0                   | 2,730     | 36.5                   | 3,080     | 42.0                   | 2,410     | 44.0                   | 1,830     | 44.5                   | 2,140     | 49.0                   | 1,980     | 52.0                   | 1,730     |
| 85             | 23.5                   | 2,270     | 26.0                   | 2,270     |                        |           | 31.5                   | 2,740     | 37.0                   | 2,370     | 38.5                   | 1,790     | 41.0                   | 2,100     | 45.0                   | 1,940     | 47.5                   | 1,670     |
| 90             | 12.5                   | 1,860     |                        |           |                        |           | 25.5                   | 2,320     | 31.5                   | 2,310     | 32.0                   | 1,770     | 36.5                   | 2,060     | 40.5                   | 1,900     | 43.0                   | 1,620     |
| 95             |                        |           |                        |           |                        |           | 18.5                   | 1,950     | 24.0                   | 1,950     |                        |           | 32.0                   | 2,010     | 35.5                   | 1,850     | 37.5                   | 1,570     |
| 100            |                        |           |                        |           |                        |           |                        |           |                        |           |                        |           | 26.5                   | 1,940     | 30.0                   | 1,780     | 30.5                   | 1,500     |
| 105            |                        |           |                        |           |                        |           |                        |           |                        |           |                        |           | 19.0                   | 1,690     | 22.0                   | 1,690     |                        |           |

\*This capacity is based upon maximum boom angle.

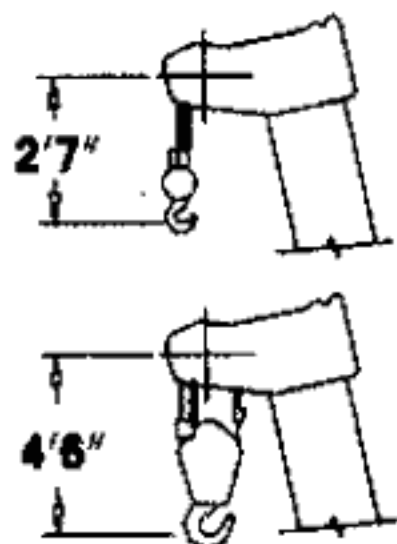
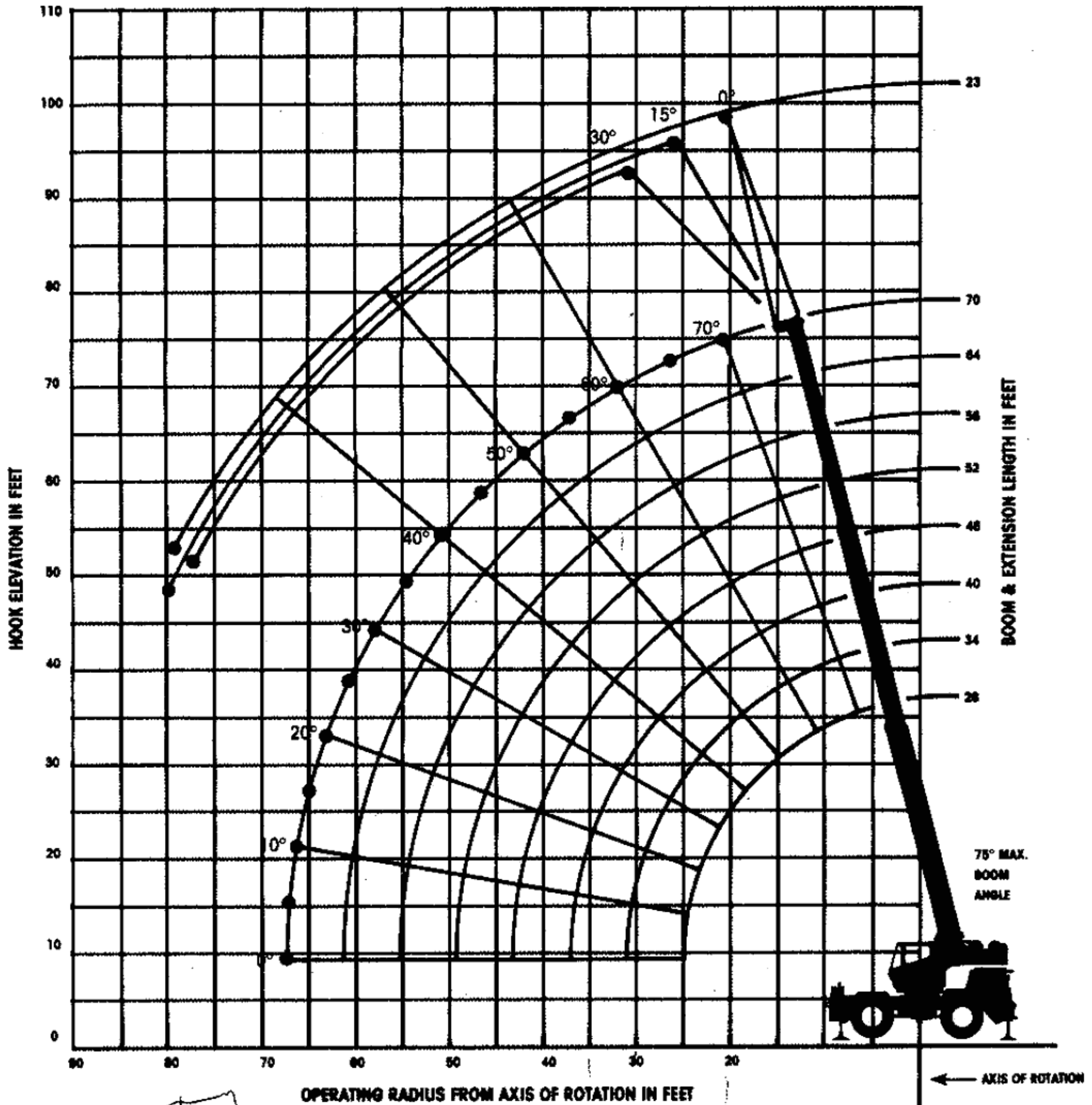
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# RT528C

Rough terrain hydraulic crane/28 ft.-70 ft. boom

RANGE DIAGRAM (UNLADEN BOOM)



DIMENSIONS ARE FOR LARGEST GROVE FURNISHED HOOK BLOCK AND HEADACHE BALL, WITH ANTI-TWO BLOCK ACTIVATED.

ON RUBBER CAPACITIES WITH 16.00 x 25 TIRES  
 STATIONARY CAPACITIES - 360°

| Radius in Feet | Main Boom Length in Feet |                  |                 |                 |                 |                  |                 |
|----------------|--------------------------|------------------|-----------------|-----------------|-----------------|------------------|-----------------|
|                | 28                       | 34               | 40              | 46              | 52              | 58               | 64              |
| 10             | 22,450<br>(64)           | 22,450<br>(69)   |                 |                 |                 |                  |                 |
| 12             | 18,350<br>(59.5)         | 18,350<br>(65.5) | 16,600<br>(70)  | 16,600<br>(73)  |                 |                  |                 |
| 15             | 12,500<br>(51.5)         | 12,500<br>(59.5) | 12,500<br>(68)  | 12,200<br>(69)  | 12,200<br>(72)  | 12,200<br>(74.5) |                 |
| 20             | 7,410<br>(36.5)          | 7,410<br>(49)    | 7,410<br>(57)   | 7,410<br>(62)   | 7,410<br>(66)   | 7,410<br>(69.5)  | 7,410<br>(72)   |
| 25             | 4,650<br>(6)             | 4,650<br>(36)    | 4,650<br>(47.8) | 4,650<br>(54.5) | 4,650<br>(60)   | 4,650<br>(64)    | 4,650<br>(67)   |
| 30             |                          | 2,930<br>(15.5)  | 2,930<br>(36.5) | 2,930<br>(46.5) | 2,930<br>(53)   | 2,930<br>(58)    | 2,930<br>(62)   |
| 35             |                          |                  | 1,740<br>(20)   | 1,740<br>(36.5) | 1,740<br>(45.5) | 1,740<br>(51.5)  | 1,740<br>(56.5) |
| 40             |                          |                  |                 | 880<br>(23)     | 880<br>(36.5)   | 880<br>(45)      | 880<br>(50.5)   |

STATIONARY CAPACITIES - DEFINED ARC OVER FRONT

| Radius in Feet | Main Boom Length in Feet |                  |                  |                  |                 |                  |                 |                 |
|----------------|--------------------------|------------------|------------------|------------------|-----------------|------------------|-----------------|-----------------|
|                | 28                       | 34               | 40               | 46               | 52              | 58               | 64              | 70              |
| 10             | 33,450<br>(64)           | 28,550<br>(69)   |                  |                  |                 |                  |                 |                 |
| 12             | 28,550<br>(59.5)         | 28,550<br>(65.5) | 28,550<br>(70)   | 17,100<br>(73)   |                 |                  |                 |                 |
| 15             | 23,250<br>(51.5)         | 23,250<br>(59.5) | 23,250<br>(65)   | 17,100<br>(69)   | 13,250<br>(72)  | 13,250<br>(74.5) |                 |                 |
| 20             | 14,700<br>(36.5)         | 14,700<br>(49)   | 14,700<br>(57)   | 14,700<br>(62)   | 13,250<br>(66)  | 13,250<br>(69.5) | 7,900<br>(72)   |                 |
| 25             | 10,100<br>(6)            | 10,100<br>(36)   | 10,100<br>(47.5) | 10,100<br>(54.5) | 10,100<br>(60)  | 10,100<br>(64)   | 7,900<br>(67)   |                 |
| 30             |                          | 7,420<br>(15.5)  | 7,420<br>(36.5)  | 7,420<br>(46.5)  | 7,420<br>(53)   | 7,420<br>(58)    | 7,400<br>(62)   | 7,400<br>(65)   |
| 35             |                          |                  | 5,610<br>(20)    | 5,610<br>(36.5)  | 5,610<br>(45.5) | 5,610<br>(51.5)  | 5,610<br>(56.5) | 5,610<br>(60)   |
| 40             |                          |                  |                  | 4,330<br>(23)    | 4,330<br>(36.5) | 4,330<br>(45)    | 4,330<br>(50.5) | 4,330<br>(55)   |
| 45             |                          |                  |                  |                  | 3,360<br>(25)   | 3,360<br>(37)    | 3,360<br>(44.5) | 3,360<br>(49.5) |
| 50             |                          |                  |                  |                  |                 | 2,620<br>(26.5)  | 2,620<br>(37)   | 2,620<br>(43.5) |
| 55             |                          |                  |                  |                  |                 | 2,020<br>(3.5)   | 2,020<br>(28)   | 2,020<br>(37)   |
| 60             |                          |                  |                  |                  |                 |                  | 1,530<br>(13)   | 1,530<br>(28.5) |
| 65             |                          |                  |                  |                  |                 |                  |                 | 1,120<br>(15.5) |

PICK & CARRY CAPACITIES (UP TO 2.5 MPH) -  
 BOOM CENTERED OVER FRONT

| Radius in Feet | Main Boom Length in Feet |                  |                  |                  |                 |                 |                 |                 |
|----------------|--------------------------|------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|
|                | 28                       | 34               | 40               | 46               | 52              | 58              | 64              | 70              |
| 10             | 31,750<br>(64)           |                  |                  |                  |                 |                 |                 |                 |
| 12             | 27,450<br>(59.5)         |                  |                  |                  |                 |                 |                 |                 |
| 15             | 22,600<br>(51.5)         | 22,600<br>(59.5) | 21,000<br>(66)   |                  |                 |                 |                 |                 |
| 20             | 14,700<br>(36.5)         | 14,700<br>(49)   | 14,700<br>(57)   | 14,700<br>(62)   | 14,700<br>(66)  |                 |                 |                 |
| 25             | 10,100<br>(6)            | 10,100<br>(36)   | 10,100<br>(47.6) | 10,100<br>(54.5) | 10,100<br>(60)  | 9,400<br>(64)   |                 |                 |
| 30             |                          | 7,420<br>(15.5)  | 7,420<br>(36.5)  | 7,420<br>(46.5)  | 7,420<br>(53)   | 7,400<br>(58)   | 7,400<br>(62)   | 7,400<br>(65)   |
| 35             |                          |                  | 5,610<br>(20)    | 5,610<br>(36.5)  | 5,610<br>(45.5) | 5,610<br>(51.5) | 5,610<br>(56.5) | 5,610<br>(60)   |
| 40             |                          |                  |                  | 4,330<br>(23)    | 4,330<br>(36.5) | 4,330<br>(45)   | 4,330<br>(50.5) | 4,330<br>(55)   |
| 45             |                          |                  |                  |                  | 3,360<br>(25)   | 3,360<br>(37)   | 3,360<br>(44.5) | 3,360<br>(49.5) |
| 50             |                          |                  |                  |                  |                 | 2,620<br>(26.5) | 2,620<br>(37)   | 2,620<br>(43.5) |
| 55             |                          |                  |                  |                  |                 | 2,020<br>(3.5)  | 2,020<br>(28)   | 2,000<br>(37)   |
| 60             |                          |                  |                  |                  |                 |                 | 1,530<br>(13)   | 1,530<br>(28.5) |
| 65             |                          |                  |                  |                  |                 |                 |                 | 1,120<br>(15.5) |

Note: Boom angles are in degrees.

A6-829-009115 & -009116 & -009117

23 FT. A-FRAME JIB  
 (ON OUTRIGGERS - 360°)

| Main Boom Angle (Deg.) | 0° OFFSET       |           | 15° OFFSET      |           | 30° OFFSET      |           |
|------------------------|-----------------|-----------|-----------------|-----------|-----------------|-----------|
|                        | Rad. Ref. (ft.) | Cap. lbs. | Rad. Ref. (ft.) | Cap. lbs. | Rad. Ref. (ft.) | Cap. lbs. |
| 75                     | 27.0            | 12,000    | 32.5            | 7,700     | 35.7            | 5,070     |
| 70                     | 33.3            | 10,400    | 38.1            | 7,000     | 41.2            | 4,800     |
| 65                     | 40.2            | 8,500     | 44.9            | 6,300     | 47.8            | 4,500     |
| 60                     | 47.0            | 7,400     | 51.3            | 5,450     | 54.0            | 4,300     |
| 55                     | 53.2            | 6,600     | 57.3            | 5,000     | 59.8            | 4,100     |
| 50                     | 59.2            | 6,100     | 62.9            | 4,700     | 65.1            | 3,900     |
| 45                     | 64.7            | 5,160     | 68.0            | 4,500     | 69.9            | 3,800     |
| 40                     | 69.6            | 4,410     | 72.6            | 4,010     | 74.2            | 3,700     |
| 35                     | 74.0            | 3,840     | 76.6            | 3,530     | 77.9            | 3,390     |
| 30                     | 77.8            | 3,400     | 80.1            | 3,160     |                 |           |

A6-829-008660

WEIGHT REDUCTIONS FOR  
 LOAD HANDLING DEVICES

| 23 ft. A-FRAME JIB<br>with 28 ft.- 70 ft. Boom |            |
|------------------------------------------------|------------|
| *Stowed -                                      | 381 lbs.   |
| *Erected -                                     | 1,950 lbs. |

\*Reduction of main boom capacities

| HOOKBLOCKS:         |          |
|---------------------|----------|
| 12 Ton, 1 Sheave    | 360 lbs. |
| 35 Ton, 4 Sheave    | 600 lbs. |
| 22 Ton, 3 Sheave    | 455 lbs. |
| Auxiliary Boom Head | 112 lbs. |
| 5 Ton Headache Ball | 172 lbs. |