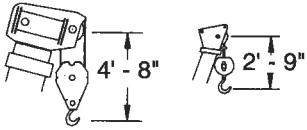




TEREX T560

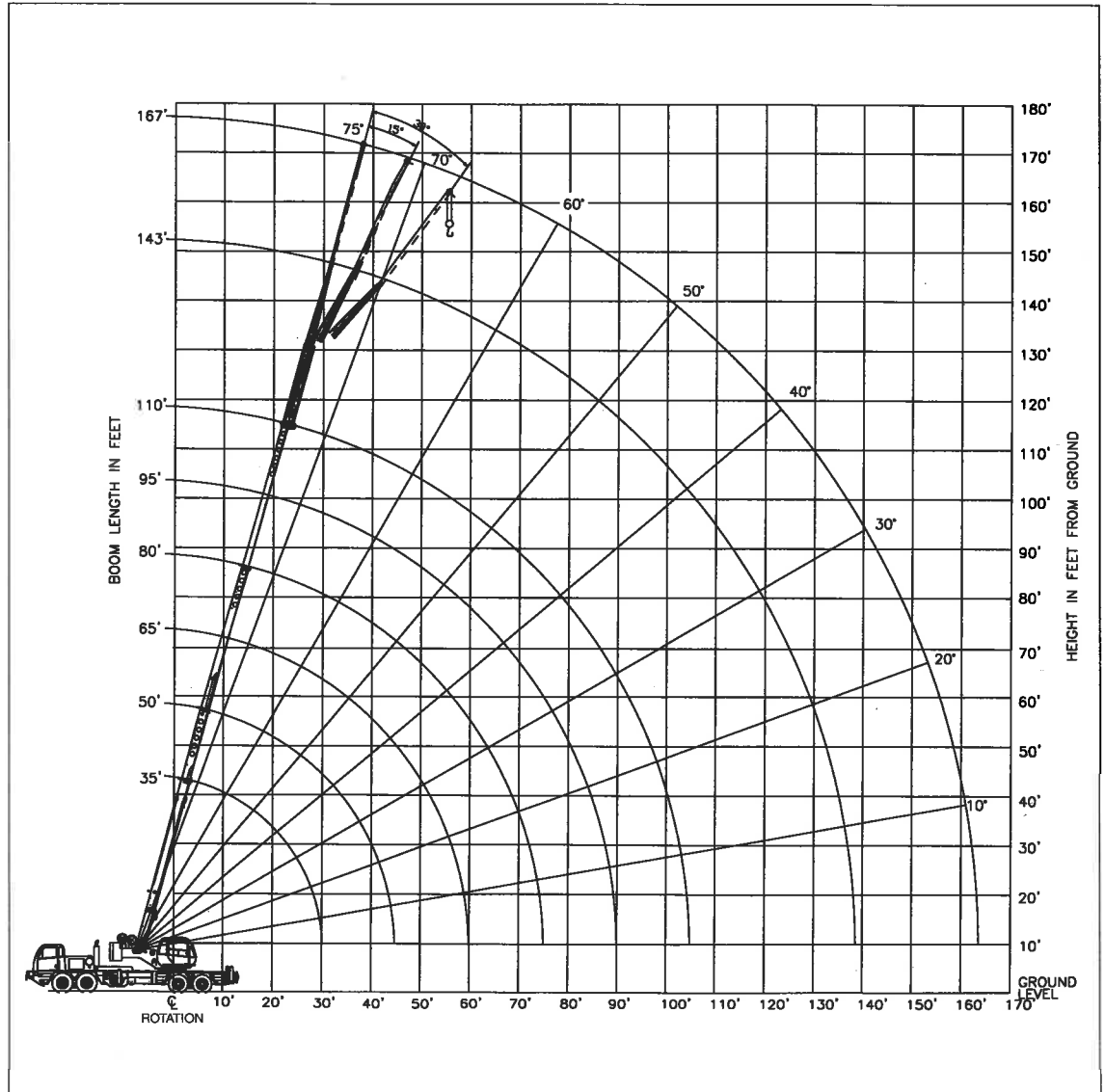
truck crane
60 ton capacity

range diagram & lifting capacities

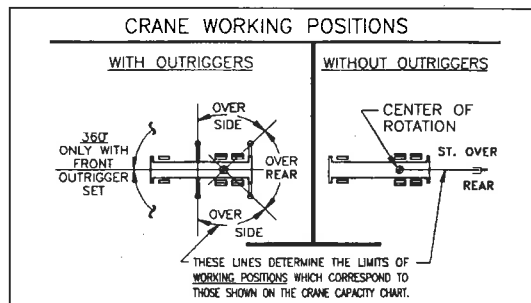


DIMENSIONS ARE FOR LARGEST FACTORY FURNISHED HOOK BLOCK AND HOOK & BALL, WITH ANTI-TWO BLOCK ACTIVATED

Range Diagram
(35' - 110' boom)



CRANE WORKING CONDITIONS



REDUCTION IN MAIN BOOM CAPACITY

| | |
|-----------------------------|----------|
| All Jibs in Stowed Position | 0 Lbs. |
| Aux. Boom in Head Sheave | 100 Lbs. |

HOOK BLOCK WEIGHTS

| | |
|---------------------------|-----------|
| Hook & Ball | 239 Lbs. |
| 40T Hook Block (4 Sheave) | 690 Lbs. |
| 50T Hook Block (5 Sheave) | 888 Lbs. |
| 50T Hook Block (6 Sheave) | 913 Lbs. |
| 60T Hook Block (5 Sheave) | 1151 Lbs. |
| 60T Hook Block (6 Sheave) | 1151 Lbs. |

Lifting Capacities – Pounds (35' – 110' boom)

MODEL T 560

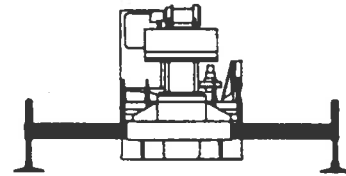
COUNTERWEIGHT:
UPPER:
W/AUX. WINCH 9900 LBS.
W/O AUX. WINCH 11000 LBS.

BOOM LENGTH 35-110 FT.
STABILITY PERCENTAGE.
ON OUTRIGGERS 85%
ON TIRES 75%
PCSA CLASS 10-196

! CAUTION: Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change.

ON OUTRIGGERS - FULLY EXTENDED AND WITH 11000 LB. COUNTERWEIGHT

| LOAD RADIUS (FT) | BOOM LENGTH 35 FT | | | BOOM LENGTH 50 FT | | | BOOM LENGTH 65 FT | | | LOAD RADIUS (FT) |
|------------------|-------------------------|----------------|-----------|-------------------------|----------------|-----------|-------------------------|----------------|-----------|------------------|
| | LOADED BOOM ANGLE (DEG) | OVER REAR (LB) | 360° (LB) | LOADED BOOM ANGLE (DEG) | OVER REAR (LB) | 360° (LB) | LOADED BOOM ANGLE (DEG) | OVER REAR (LB) | 360° (LB) | |
| 10 | 66.7 | 120,000* | 120,000* | 73.9 | 60,100* | 60,100* | | | | 10 |
| 12 | 63.1 | 106,500* | 106,500* | 71.5 | 60,100* | 60,100* | | | | 12 |
| 15 | 57.5 | 83,400* | 83,400* | 67.9 | 60,100* | 60,100* | 73.2 | 58,800* | 58,800* | 15 |
| 20 | 47.1 | 60,200* | 60,200* | 61.5 | 60,100* | 60,100* | 68.5 | 52,200* | 52,200* | 20 |
| 25 | 34.5 | 46,100* | 46,100* | 54.8 | 47,500* | 47,500* | 63.7 | 46,900* | 46,900* | 25 |
| 30 | 14.8 | 36,600* | 32,000 | 47.4 | 38,100* | 33,900 | 58.6 | 38,700* | 34,400 | 30 |
| 35 | ** | | | 39.0 | 31,300* | 25,300 | 53.3 | 32,000* | 25,900 | 35 |
| 40 | | | | 28.8 | 26,100 | 19,600 | 47.6 | 26,800 | 20,300 | 40 |
| 45 | | | | 12.4 | 21,000 | 15,400 | 41.3 | 21,900 | 16,300 | 45 |
| 50 | | | | | ** | | 34.1 | 18,200 | 13,200 | 50 |
| 55 | | | | | | | 25.2 | 15,300 | 10,800 | 55 |
| 60 | | | | | | | 10.9 | 13,000 | 8,800 | 60 |
| 65 | | | | | | | | | | 65 |
| 70 | | | | | | | | | | 70 |
| 75 | | | | | | | | | | 75 |
| 80 | | | | | | | | | | 80 |
| 85 | | | | | | | | | | 85 |
| 90 | | | | | | | | | | 90 |
| 95 | | | | | | | | | | 95 |



**USE THESE CHARTS ONLY
WHEN ALL OUTRIGGERS
ARE FULLY EXTENDED**

ON OUTRIGGERS - FULLY EXTENDED AND WITH 11000 LB. COUNTERWEIGHT

| LOAD RADIUS (FT) | BOOM LENGTH 80 FT | | | BOOM LENGTH 95 FT | | | BOOM LENGTH 110 FT | | | LOAD RADIUS (FT) |
|------------------|-------------------------|----------------|-----------|-------------------------|----------------|-----------|-------------------------|----------------|-----------|------------------|
| | LOADED BOOM ANGLE (DEG) | OVER REAR (LB) | 360° (LB) | LOADED BOOM ANGLE (DEG) | OVER REAR (LB) | 360° (LB) | LOADED BOOM ANGLE (DEG) | OVER REAR (LB) | 360° (LB) | |
| 10 | | | | | | | | | | 10 |
| 12 | | | | | | | | | | 12 |
| 15 | | | | | | | | | | 15 |
| 20 | 72.7 | 38,700* | 38,700* | | | | | | | 20 |
| 25 | 68.9 | 33,600* | 33,600* | 72.3 | 29,300* | 29,300* | | | | 25 |
| 30 | 65.0 | 29,600* | 29,600* | 69.1 | 25,900* | 25,900* | 72.1 | 22,900* | 22,900* | 30 |
| 35 | 61.0 | 26,500* | 26,200 | 65.9 | 23,000* | 23,000* | 69.3 | 20,500* | 20,500* | 35 |
| 40 | 56.8 | 23,900* | 20,600 | 62.5 | 20,800* | 20,800* | 66.5 | 18,400* | 18,400* | 40 |
| 45 | 52.4 | 21,800* | 16,600 | 59.1 | 18,900* | 16,800 | 63.6 | 16,500* | 16,500* | 45 |
| 50 | 47.7 | 18,600 | 13,600 | 55.5 | 17,300* | 13,800 | 60.7 | 14,900* | 13,900 | 50 |
| 55 | 42.7 | 15,800 | 11,300 | 51.7 | 15,900* | 11,500 | 57.7 | 13,500* | 11,600 | 55 |
| 60 | 37.1 | 13,500 | 9,400 | 47.8 | 13,700 | 9,600 | 54.5 | 12,300* | 9,700 | 60 |
| 65 | 30.6 | 11,600 | 7,800 | 43.6 | 11,900 | 8,100 | 51.3 | 11,200* | 8,200 | 65 |
| 70 | 22.6 | 10,000 | 6,500 | 39.0 | 10,300 | 6,800 | 47.8 | 10,300* | 6,900 | 70 |
| 75 | 9.8 | 8,600 | 5,300 | 33.9 | 9,000 | 5,700 | 44.2 | 9,200 | 5,900 | 75 |
| 80 | ** | | | 28.1 | 7,900 | 4,700 | 40.4 | 8,100 | 5,000 | 80 |
| 85 | | | | 20.8 | 6,800 | 3,900 | 36.1 | 7,100 | 4,100 | 85 |
| 90 | | | | 9.0 | 5,900 | 3,100 | 31.5 | 6,200 | 3,400 | 90 |
| 95 | | | | ** | | | 26.0 | 5,400 | 2,800 | 95 |
| 100 | | | | | | | 19.3 | 4,700 | 2,200 | 100 |
| 105 | | | | | | | 8.4 | 4,100 | 1,700 | 105 |

** MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

| BOOM LENGTH 35 FT | | | BOOM LENGTH 50 FT | | | BOOM LENGTH 65 FT | | | BOOM LENGTH 80 FT | | | BOOM LENGTH 95 FT | | | BOOM LENGTH 110 FT | | |
|-----------------------|----------------|-----------|-----------------------|----------------|-----------|-----------------------|----------------|-----------|-----------------------|----------------|-----------|-----------------------|----------------|-----------|-----------------------|----------------|-----------|
| BOOM LOAD RADIUS (FT) | OVER REAR (LB) | 360° (LB) | BOOM LOAD RADIUS (FT) | OVER REAR (LB) | 360° (LB) | BOOM LOAD RADIUS (FT) | OVER REAR (LB) | 360° (LB) | BOOM LOAD RADIUS (FT) | OVER REAR (LB) | 360° (LB) | BOOM LOAD RADIUS (FT) | OVER REAR (LB) | 360° (LB) | BOOM LOAD RADIUS (FT) | OVER REAR (LB) | 360° (LB) |
| 31.2 | 21,000* | 21,000* | 46.2 | 12,800* | 12,800* | 61.2 | 8,400* | 8,300 | 76.2 | 5,600* | 5,000 | 91.2 | 3,700* | 2,900 | 106.17 | 2,400* | 1,500 |

Lifting Capacities – Pounds (35' – 110' boom)

MODEL T 560

COUNTERWEIGHT:
UPPER:
W/AUX. WINCH 9900 LBS.
W/O AUX. WINCH 11000 LBS.

BOOM LENGTH 35-110 FT.
STABILITY PERCENTAGE
ON OUTRIGGERS 85%
ON TIRES 75%
PCSA CLASS 10-196

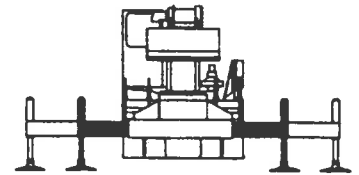
CAUTION: Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change.

ON OUTRIGGERS - MID POSITION AND WITH 11000 LB. COUNTERWEIGHT

| LOAD RADIUS (FT) | BOOM LENGTH 35 FT | | BOOM LENGTH 50 FT | | BOOM LENGTH 65 FT | | BOOM LENGTH 80 FT | | BOOM LENGTH 95 FT | | BOOM LENGTH 110 FT | | LOAD RADIUS (FT) |
|------------------|-------------------------|-----------|-------------------------|-----------|-------------------------|-----------|-------------------------|-----------|-------------------------|-----------|-------------------------|-----------|------------------|
| | LOADED BOOM ANGLE (DEG) | 360° (LB) | LOADED BOOM ANGLE (DEG) | 360° (LB) | LOADED BOOM ANGLE (DEG) | 360° (LB) | LOADED BOOM ANGLE (DEG) | 360° (LB) | LOADED BOOM ANGLE (DEG) | 360° (LB) | LOADED BOOM ANGLE (DEG) | 360° (LB) | |
| 10 | 66.7 | 113,000* | 73.9 | 60,100* | | | | | | | | | 10 |
| 12 | 63.1 | 92,500* | 71.5 | 60,100* | | | | | | | | | 12 |
| 15 | 57.5 | 61,700 | 67.9 | 60,100* | 73.2 | 58,800* | | | | | | | 15 |
| 20 | 47.1 | 34,200 | 61.5 | 35,500 | 68.5 | 36,100 | 72.7 | 36,500 | | | | | 20 |
| 25 | 34.5 | 21,900 | 54.8 | 23,400 | 63.7 | 23,900 | 68.9 | 24,300 | 72.3 | 24,500 | | | 25 |
| 30 | 14.8 | 14,900 | 47.4 | 16,500 | 58.6 | 17,100 | 65.0 | 17,400 | 69.1 | 17,600 | 72.1 | 17,700 | 30 |
| 35 | ** | | 39.0 | 12,000 | 53.3 | 12,700 | 61.0 | 13,000 | 65.9 | 13,200 | 69.3 | 13,300 | 35 |
| 40 | | | 28.8 | 8,900 | 47.6 | 9,600 | 56.8 | 10,000 | 62.5 | 10,100 | 66.5 | 10,300 | 40 |
| 45 | | | 12.4 | 6,500 | 41.3 | 7,300 | 52.4 | 7,700 | 59.1 | 7,900 | 63.6 | 8,000 | 45 |
| 50 | | | ** | | 34.1 | 5,500 | 47.7 | 5,900 | 55.5 | 6,200 | 60.7 | 6,300 | 50 |
| 55 | | | | | 25.2 | 4,100 | 42.7 | 4,500 | 51.7 | 4,800 | 57.7 | 4,900 | 55 |
| 60 | | | | | 10.9 | 2,800 | 37.1 | 3,400 | 47.8 | 3,600 | 54.5 | 3,800 | 60 |
| 65 | | | | | ** | | 30.6 | 2,400 | 43.6 | 2,700 | 51.3 | 2,900 | 65 |
| 70 | | | | | | | 22.6 | 1,600 | 39.0 | 1,900 | 47.8 | 2,100 | 70 |
| 75 | | | | | | | | | 33.9 | 1,200 | 44.2 | 1,400 | 75 |

** MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

| LOAD RADIUS (FT) | BOOM LENGTH 35 FT | | BOOM LENGTH 50 FT | | BOOM LENGTH 65 FT | | BOOM LENGTH 80 FT | | BOOM LENGTH 95 FT | | BOOM LENGTH 110 FT | |
|------------------|-------------------|------------------|-------------------|------------------|-------------------|------------------|-------------------|------------------|-------------------|------------------|--------------------|--|
| | 360° (LB) | LOAD RADIUS (FT) | 360° (LB) | LOAD RADIUS (FT) | 360° (LB) | LOAD RADIUS (FT) | 360° (LB) | LOAD RADIUS (FT) | 360° (LB) | LOAD RADIUS (FT) | 360° (LB) | |
| 31.2 | 13,400 | 46.2 | 5,900 | 61.2 | 2,500 | | | | | | | |



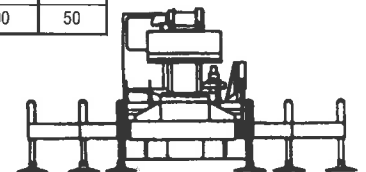
USE THESE CHARTS ONLY WHEN ALL OUTRIGGERS ARE PINNED IN MID POSITION

ON OUTRIGGERS - RETRACTED AND WITH 11000 LB. COUNTERWEIGHT

| LOAD RADIUS (FT) | BOOM LENGTH 35 FT | | BOOM LENGTH 50 FT | | BOOM LENGTH 65 FT | | BOOM LENGTH 80 FT | | BOOM LENGTH 95 FT | | BOOM LENGTH 110 FT | | LOAD RADIUS (FT) |
|------------------|-------------------------|-----------|-------------------------|-----------|-------------------------|-----------|-------------------------|-----------|-------------------------|-----------|-------------------------|-----------|------------------|
| | LOADED BOOM ANGLE (DEG) | 360° (LB) | LOADED BOOM ANGLE (DEG) | 360° (LB) | LOADED BOOM ANGLE (DEG) | 360° (LB) | LOADED BOOM ANGLE (DEG) | 360° (LB) | LOADED BOOM ANGLE (DEG) | 360° (LB) | LOADED BOOM ANGLE (DEG) | 360° (LB) | |
| 10 | 66.7 | 51,200 | 73.9 | 52,400 | | | | | | | | | 10 |
| 12 | 63.1 | 36,600 | 71.5 | 37,700 | | | | | | | | | 12 |
| 15 | 57.5 | 24,400 | 67.9 | 25,600 | 73.2 | 26,100 | | | | | | | 15 |
| 20 | 47.1 | 14,000 | 61.5 | 15,300 | 68.5 | 15,800 | 72.7 | 16,100 | | | | | 20 |
| 25 | 34.5 | 8,400 | 54.8 | 9,800 | 63.7 | 10,400 | 68.9 | 10,700 | 72.3 | 10,800 | | | 25 |
| 30 | 14.8 | 4,900 | 47.4 | 6,300 | 58.6 | 7,000 | 65.0 | 7,300 | 69.1 | 7,500 | 72.1 | 7,600 | 30 |
| 35 | ** | | 39.0 | 4,000 | 53.3 | 4,600 | 61.0 | 5,000 | 65.9 | 5,200 | 69.3 | 5,300 | 35 |
| 40 | | | 28.8 | 2,200 | 47.6 | 2,900 | 56.8 | 3,300 | 62.5 | 3,500 | 66.5 | 3,600 | 40 |
| 45 | | | | | 41.3 | 1,600 | 52.4 | 2,000 | 59.1 | 2,200 | 63.6 | 2,400 | 45 |
| 50 | | | | | | | | | 55.5 | 1,200 | 60.7 | 1,400 | 50 |

** MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

| LOAD RADIUS (FT) | BOOM LENGTH 35 FT | | BOOM LENGTH 50 FT | | BOOM LENGTH 65 FT | | BOOM LENGTH 80 FT | | BOOM LENGTH 95 FT | | BOOM LENGTH 110 FT | |
|------------------|-------------------|------------------|-------------------|------------------|-------------------|------------------|-------------------|------------------|-------------------|------------------|--------------------|--|
| | 360° (LB) | LOAD RADIUS (FT) | 360° (LB) | LOAD RADIUS (FT) | 360° (LB) | LOAD RADIUS (FT) | 360° (LB) | LOAD RADIUS (FT) | 360° (LB) | LOAD RADIUS (FT) | 360° (LB) | |
| 31.2 | 4,000 | | | | | | | | | | | |



USE THESE CHARTS WHEN ALL OUTRIGGER BEAMS ARE NOT IN EITHER THE MID OR FULLY EXTENDED POSITION

Lifting Capacities – Pounds (35' – 110' boom)

MODEL T 560

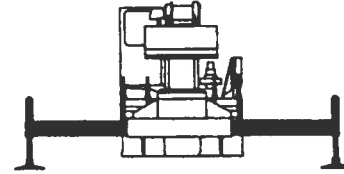
COUNTERWEIGHT:
UPPER:
W/AUX. WINCH 6900 LBS.
W/O AUX. WINCH 8000 LBS.

BOOM LENGTH 35-110 FT.
STABILITY PERCENTAGE
ON OUTRIGGERS 85%
ON TIRES 75%
PCSA CLASS 10-196

CAUTION: Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change.

ON OUTRIGGERS - FULLY EXTENDED AND WITH 8000 LB. COUNTERWEIGHT

| LOAD RADIUS (FT) | BOOM LENGTH 35 FT | | | BOOM LENGTH 50 FT | | | BOOM LENGTH 65 FT | | | LOAD RADIUS (FT) |
|------------------|-------------------------|----------------|-----------|-------------------------|----------------|-----------|-------------------------|----------------|-----------|------------------|
| | LOADED BOOM ANGLE (DEG) | OVER REAR (LB) | 360° (LB) | LOADED BOOM ANGLE (DEG) | OVER REAR (LB) | 360° (LB) | LOADED BOOM ANGLE (DEG) | OVER REAR (LB) | 360° (LB) | |
| 10 | 66.7 | 120,000* | 120,000* | 73.9 | 60,100* | 60,100* | | | | 10 |
| 12 | 63.1 | 104,000* | 104,000* | 71.5 | 60,100* | 60,100* | | | | 12 |
| 15 | 57.5 | 81,400* | 81,400* | 67.9 | 60,100* | 60,100* | 73.2 | 58,800* | 58,800* | 15 |
| 20 | 47.1 | 58,700* | 58,700* | 61.5 | 59,900* | 59,900* | 68.5 | 52,200* | 52,200* | 20 |
| 25 | 34.5 | 44,900* | 41,900 | 54.8 | 46,200* | 43,400 | 63.7 | 46,900* | 44,100 | 25 |
| 30 | 14.8 | 35,500* | 28,500 | 47.4 | 37,000* | 30,300 | 58.6 | 37,700* | 30,900 | 30 |
| 35 | ** | | | 39.0 | 30,400* | 22,500 | 53.3 | 31,100* | 23,100 | 35 |
| 40 | | | | 28.8 | 24,400 | 17,200 | 47.6 | 25,200 | 17,900 | 40 |
| 45 | | | | 12.4 | 19,600 | 13,300 | 41.3 | 20,500 | 14,200 | 45 |
| 50 | | | | ** | | | 34.1 | 17,000 | 11,400 | 50 |
| 55 | | | | | | | 25.2 | 14,200 | 9,200 | 55 |
| 60 | | | | | | | 10.9 | 11,900 | 7,400 | 60 |
| 65 | | | | | | | ** | | | 65 |
| 70 | | | | | | | | | | 70 |
| 75 | | | | | | | | | | 75 |
| 80 | | | | | | | | | | 80 |
| 85 | | | | | | | | | | 85 |
| 90 | | | | | | | | | | 90 |
| 95 | | | | | | | | | | 95 |
| 100 | | | | | | | | | | 100 |
| 105 | | | | | | | | | | 105 |



**USE THESE CHARTS ONLY
WHEN ALL OUTRIGGERS
ARE FULLY EXTENDED**

ON OUTRIGGERS - FULLY EXTENDED AND WITH 8000 LB. COUNTERWEIGHT

| LOAD RADIUS (FT) | BOOM LENGTH 80 FT | | | BOOM LENGTH 95 FT | | | BOOM LENGTH 110 FT | | | LOAD RADIUS (FT) |
|------------------|-------------------------|----------------|-----------|-------------------------|----------------|-----------|-------------------------|----------------|-----------|------------------|
| | LOADED BOOM ANGLE (DEG) | OVER REAR (LB) | 360° (LB) | LOADED BOOM ANGLE (DEG) | OVER REAR (LB) | 360° (LB) | LOADED BOOM ANGLE (DEG) | OVER REAR (LB) | 360° (LB) | |
| 10 | | | | | | | | | | 10 |
| 12 | | | | | | | | | | 12 |
| 15 | | | | | | | | | | 15 |
| 20 | 72.7 | 38,700* | 38,700* | | | | | | | 20 |
| 25 | 68.9 | 33,600* | 33,600* | 72.3 | 29,300* | 29,300* | | | | 25 |
| 30 | 65.0 | 29,600* | 29,600* | 69.1 | 25,900* | 25,900* | 72.1 | 22,900* | 22,900* | 30 |
| 35 | 61.0 | 26,500* | 23,400 | 65.9 | 23,000* | 23,000* | 69.3 | 20,500* | 20,500* | 35 |
| 40 | 56.8 | 23,900* | 18,200 | 62.5 | 20,800* | 18,400 | 66.5 | 18,400* | 18,400* | 40 |
| 45 | 52.4 | 20,800 | 14,600 | 59.1 | 18,900* | 14,800 | 63.6 | 16,500* | 14,900 | 45 |
| 50 | 47.7 | 17,400 | 11,800 | 55.5 | 17,300* | 12,000 | 60.7 | 14,900* | 12,100 | 50 |
| 55 | 42.7 | 14,600 | 9,700 | 51.7 | 14,800 | 9,900 | 57.7 | 13,500* | 10,000 | 55 |
| 60 | 37.1 | 12,400 | 7,900 | 47.8 | 12,700 | 8,200 | 54.5 | 12,300* | 8,300 | 60 |
| 65 | 30.6 | 10,600 | 6,500 | 43.6 | 10,900 | 6,800 | 51.3 | 11,000 | 6,900 | 65 |
| 70 | 22.6 | 9,100 | 5,300 | 39.0 | 9,400 | 5,600 | 47.8 | 9,600 | 5,700 | 70 |
| 75 | 9.8 | 7,800 | 4,200 | 33.9 | 8,100 | 4,600 | 44.2 | 8,300 | 4,800 | 75 |
| 80 | ** | | | 28.1 | 7,000 | 3,700 | 40.4 | 7,200 | 3,900 | 80 |
| 85 | | | | 20.8 | 6,100 | 2,900 | 36.1 | 6,300 | 3,200 | 85 |
| 90 | | | | 9.0 | 5,200 | 2,200 | 31.5 | 5,500 | 2,500 | 90 |
| 95 | | | | ** | | | 26.0 | 4,700 | 1,900 | 95 |
| 100 | | | | | | | 19.3 | 4,000 | 1,400 | 100 |
| 105 | | | | | | | 8.4 | 3,400 | 900 | 105 |

** MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

| BOOM LOAD RADIUS (FT) | BOOM LENGTH 35 FT | | | BOOM LENGTH 50 FT | | | BOOM LENGTH 65 FT | | | BOOM LENGTH 80 FT | | | BOOM LENGTH 95 FT | | | BOOM LENGTH 110 FT | | |
|-----------------------|-------------------|-----------|-----------------------|-------------------|-----------|-----------------------|-------------------|-----------|-----------------------|-------------------|-----------|-----------------------|-------------------|-----------|-----------------------|--------------------|-----------|--|
| | OVER REAR (LB) | 360° (LB) | BOOM LOAD RADIUS (FT) | OVER REAR (LB) | 360° (LB) | BOOM LOAD RADIUS (FT) | OVER REAR (LB) | 360° (LB) | BOOM LOAD RADIUS (FT) | OVER REAR (LB) | 360° (LB) | BOOM LOAD RADIUS (FT) | OVER REAR (LB) | 360° (LB) | BOOM LOAD RADIUS (FT) | OVER REAR (LB) | 360° (LB) | |
| 31.2 | 21,000* | 21,000* | 46.2 | 12,800* | 12,500 | 61.2 | 8,400* | 6,900 | 76.2 | 5,600* | 3,900 | 91.2 | 3,700* | 2,000 | 106.17 | 2,400* | 700 | |

Lifting Capacities – Pounds (35'– 110' boom)

MODEL T 560

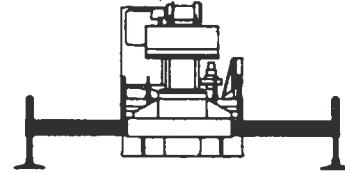
COUNTERWEIGHT:
UPPER:
W/AUX. WINCH 3900 LBS.
W/O AUX. WINCH 5000 LBS.

BOOM LENGTH 35-110 FT.
STABILITY PERCENTAGE
ON OUTRIGGERS 85%
ON TIRES 75%
PCSA CLASS 10-196

CAUTION: Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change.

ON OUTRIGGERS - FULLY EXTENDED AND WITH 5000 LB. COUNTERWEIGHT

| LOAD RADIUS (FT) | BOOM LENGTH 35 FT | | | BOOM LENGTH 50 FT | | | BOOM LENGTH 65 FT | | | LOAD RADIUS (FT) |
|------------------|-------------------------|----------------|-----------|-------------------------|----------------|-----------|-------------------------|----------------|-----------|------------------|
| | LOADED BOOM ANGLE (DEG) | OVER REAR (LB) | 360° (LB) | LOADED BOOM ANGLE (DEG) | OVER REAR (LB) | 360° (LB) | LOADED BOOM ANGLE (DEG) | OVER REAR (LB) | 360° (LB) | |
| 10 | 66.7 | 120,000* | 120,000* | 73.9 | 60,100* | 60,100* | | | | 10 |
| 12 | 63.1 | 101,300* | 101,300* | 71.5 | 60,100* | 60,100* | | | | 12 |
| 15 | 57.5 | 79,300* | 79,300* | 67.9 | 60,100* | 60,100* | 73.2 | 58,800* | 58,800* | 15 |
| 20 | 47.1 | 57,000* | 57,000* | 61.5 | 58,400* | 58,400* | 68.5 | 52,200* | 52,200* | 20 |
| 25 | 34.5 | 43,600* | 37,600 | 54.8 | 44,900* | 39,100 | 63.7 | 45,600* | 39,700 | 25 |
| 30 | 14.8 | 34,400* | 25,300 | 47.4 | 35,900* | 27,100 | 58.6 | 36,600* | 27,700 | 30 |
| 35 | ** | | | 39.0 | 29,100 | 20,000 | 53.3 | 29,700 | 20,600 | 35 |
| 40 | | | | 28.8 | 22,700 | 15,200 | 47.6 | 23,500 | 15,900 | 40 |
| 45 | | | | 12.4 | 18,100 | 11,600 | 41.3 | 19,100 | 12,500 | 45 |
| 50 | | | | ** | | | 34.1 | 15,700 | 10,000 | 50 |
| 55 | | | | | | | 25.2 | 13,000 | 7,900 | 55 |
| 60 | | | | | | | 10.9 | 10,800 | 6,200 | 60 |
| 65 | | | | | | | ** | | | 65 |
| 70 | | | | | | | | | | 70 |
| 75 | | | | | | | | | | 75 |
| 80 | | | | | | | | | | 80 |
| 85 | | | | | | | | | | 85 |
| 90 | | | | | | | | | | 90 |
| 95 | | | | | | | | | | 95 |
| 100 | | | | | | | | | | 100 |
| 105 | | | | | | | | | | 105 |



**USE THESE CHARTS ONLY
WHEN ALL OUTRIGGERS
ARE FULLY EXTENDED**

ON OUTRIGGERS - FULLY EXTENDED AND WITH 5000 LB. COUNTERWEIGHT

| LOAD RADIUS (FT) | BOOM LENGTH 80 FT | | | BOOM LENGTH 95 FT | | | BOOM LENGTH 110 FT | | | LOAD RADIUS (FT) |
|------------------|-------------------------|----------------|-----------|-------------------------|----------------|-----------|-------------------------|----------------|-----------|------------------|
| | LOADED BOOM ANGLE (DEG) | OVER REAR (LB) | 360° (LB) | LOADED BOOM ANGLE (DEG) | OVER REAR (LB) | 360° (LB) | LOADED BOOM ANGLE (DEG) | OVER REAR (LB) | 360° (LB) | |
| 10 | | | | | | | | | | 10 |
| 12 | | | | | | | | | | 12 |
| 15 | | | | | | | | | | 15 |
| 20 | 72.7 | 38,700* | 38,700* | | | | | | | 20 |
| 25 | 68.9 | 33,600* | 33,600* | 72.3 | 29,300* | 29,300* | | | | 25 |
| 30 | 65.0 | 29,600* | 28,100 | 69.1 | 25,900* | 25,900* | 72.1 | 22,900* | 22,900* | 30 |
| 35 | 61.0 | 26,500* | 20,900 | 65.9 | 23,000* | 21,200 | 69.3 | 20,500* | 20,500* | 35 |
| 40 | 56.8 | 23,800 | 16,200 | 62.5 | 20,800* | 16,400 | 66.5 | 18,400* | 16,600 | 40 |
| 45 | 52.4 | 19,400 | 12,900 | 59.1 | 18,900* | 13,100 | 63.6 | 16,500* | 13,200 | 45 |
| 50 | 47.7 | 16,100 | 10,400 | 55.5 | 16,300 | 10,600 | 60.7 | 14,900* | 10,700 | 50 |
| 55 | 42.7 | 13,500 | 8,400 | 51.7 | 13,700 | 8,600 | 57.7 | 13,500* | 8,700 | 55 |
| 60 | 37.1 | 11,400 | 6,800 | 47.8 | 11,600 | 7,000 | 54.5 | 11,800 | 7,200 | 60 |
| 65 | 30.6 | 9,600 | 5,500 | 43.6 | 9,900 | 5,800 | 51.3 | 10,100 | 5,900 | 65 |
| 70 | 22.6 | 8,200 | 4,400 | 39.0 | 8,500 | 4,700 | 47.8 | 8,700 | 4,800 | 70 |
| 75 | 9.8 | 6,900 | 3,400 | 33.9 | 7,300 | 3,800 | 44.2 | 7,500 | 3,900 | 75 |
| 80 | ** | | | 28.1 | 6,200 | 3,000 | 40.4 | 6,400 | 3,200 | 80 |
| 85 | | | | 20.8 | 5,300 | 2,200 | 36.1 | 5,500 | 2,500 | 85 |
| 90 | | | | 9.0 | 4,500 | 1,600 | 31.5 | 4,700 | 1,900 | 90 |
| 95 | | | | ** | | | 26.0 | 4,000 | 1,300 | 95 |
| 100 | | | | | | | 19.3 | 3,400 | 800 | 100 |
| 105 | | | | | | | 8.4 | 2,800 | | 105 |

** MAXIMUM CAPACITY AT 0 DEGREE BOOM ANGLE

| BOOM LENGTH 35 FT | | | BOOM LENGTH 50 FT | | | BOOM LENGTH 65 FT | | | BOOM LENGTH 80 FT | | | BOOM LENGTH 95 FT | | | BOOM LENGTH 110 FT | | |
|-----------------------|----------------|-----------|-----------------------|----------------|-----------|-----------------------|----------------|-----------|-----------------------|----------------|-----------|-----------------------|----------------|-----------|-----------------------|----------------|-----------|
| BOOM LOAD RADIUS (FT) | OVER REAR (LB) | 360° (LB) | BOOM LOAD RADIUS (FT) | OVER REAR (LB) | 360° (LB) | BOOM LOAD RADIUS (FT) | OVER REAR (LB) | 360° (LB) | BOOM LOAD RADIUS (FT) | OVER REAR (LB) | 360° (LB) | BOOM LOAD RADIUS (FT) | OVER REAR (LB) | 360° (LB) | BOOM LOAD RADIUS (FT) | OVER REAR (LB) | 360° (LB) |
| 31.2 | 20,900* | 20,900* | 46.2 | 12,700* | 10,800 | 61.2 | 8,300* | 5,800 | 76.2 | 5,600* | 3,100 | 91.2 | 3,700* | 1,400 | 106.17 | 2,300* | |

Lifting Capacities – Pounds (35'– 110' boom)

MODEL T 560

COUNTERWEIGHT:
UPPER:
W/AUX. WINCH 9900 LBS.
W/O AUX. WINCH 11000 LBS.

BOOM LENGTH 35-110 FT.
STABILITY PERCENTAGE
ON OUTRIGGERS 85%
ON TIRES 75%
PCSA CLASS 10-196

CAUTION: Do not use this specification sheet as a load rating chart. The format of data is not consistent with the machine chart and may be subject to change.

SIDE STOW JIB ON FULLY EXTENDED OUTRIGGERS WITH 11000 LB. COUNTERWEIGHT

| LOADED BOOM ANGLE (DEG) | 33 FT OFFSETTABLE JIB | | | | | | | | | 57 FT OFFSETTABLE JIB | | | | | | | | | LOADED BOOM ANGLE (DEG) |
|-------------------------|------------------------|----------------|-----------|------------------------|----------------|-----------|------------------------|----------------|-----------|------------------------|----------------|-----------|------------------------|----------------|-----------|------------------------|----------------|-----------|-------------------------|
| | 0° OFFSET | | | 15° OFFSET | | | 30° OFFSET | | | 0° OFFSET | | | 15° OFFSET | | | 30° OFFSET | | | |
| | (REF) LOAD RADIUS (FT) | REAR ONLY (LB) | 360° (LB) | (REF) LOAD RADIUS (FT) | REAR ONLY (LB) | 360° (LB) | (REF) LOAD RADIUS (FT) | REAR ONLY (LB) | 360° (LB) | (REF) LOAD RADIUS (FT) | REAR ONLY (LB) | 360° (LB) | (REF) LOAD RADIUS (FT) | REAR ONLY (LB) | 360° (LB) | (REF) LOAD RADIUS (FT) | REAR ONLY (LB) | 360° (LB) | |
| 75 | 42 | 12,600* | 12,600* | 49 | 8,500* | 8,500* | 56 | 6,600* | 6,600* | 50 | 6,600* | 6,600* | 64 | 4,600* | 4,600* | 74 | 3,400* | 3,400* | 75 |
| 73 | 47 | 11,900* | 11,900* | 54 | 8,200* | 8,200* | 69 | 6,400* | 6,400* | 56 | 6,200* | 6,200* | 69 | 4,400* | 4,400* | 79 | 3,300* | 3,300* | 73 |
| 71 | 53 | 11,300* | 11,300* | 59 | 7,800* | 7,800* | 65 | 6,300* | 6,300* | 62 | 5,900* | 5,900* | 75 | 4,200* | 4,200* | 85 | 3,200* | 3,200* | 71 |
| 68 | 60 | 10,400* | 9,900 | 66 | 7,400* | 7,400* | 71 | 6,000* | 6,000* | 70 | 5,600* | 5,600* | 82 | 3,900* | 3,900* | 91 | 3,100* | 3,100* | 68 |
| 65 | 67 | 9,600* | 8,300 | 72 | 7,100* | 7,100* | 77 | 5,900* | 5,900* | 78 | 5,200* | 5,200* | 90 | 3,700* | 3,700* | 97 | 3,000* | 3,000* | 65 |
| 62 | 73 | 8,900* | 6,800 | 78 | 6,800* | 6,100 | 83 | 5,700* | 5,700* | 86 | 4,800* | 4,800* | 97 | 3,500* | 3,500* | 104 | 2,900* | 2,900* | 62 |
| 59 | 80 | 8,300* | 5,700 | 84 | 6,500* | 5,100 | 89 | 5,500* | 4,900 | 95 | 4,500* | 4,400 | 104 | 3,400* | 3,400* | 110 | 2,800* | 2,800* | 59 |
| 55 | 87 | 6,900 | 4,500 | 91 | 6,200* | 4,200 | 96 | 5,300* | 4,000 | 105 | 4,100* | 3,500 | 112 | 3,200* | 3,200* | 117 | 2,700* | 2,700* | 55 |
| 51 | 93 | 5,800 | 3,500 | 99 | 5,500 | 3,300 | 103 | 5,200* | 3,100 | 114 | 3,800* | 2,700 | 120 | 3,000* | 2,500 | 124 | 2,700* | 2,200 | 51 |
| 47 | 99 | 5,000 | 2,800 | 106 | 4,700 | 2,500 | 109 | 4,700 | 2,500 | 122 | 3,500* | 2,100 | 127 | 2,900* | 1,900 | 130 | 2,600* | 1,800 | 47 |
| 43 | 106 | 4,300 | 2,100 | 112 | 4,100 | 2,000 | 114 | 4,000 | 1,900 | 129 | 3,300* | 1,500 | 134 | 2,800* | 1,400 | 136 | 2,600* | 1,300 | 43 |
| 38 | 114 | 3,600 | 1,500 | 119 | 3,400 | 1,400 | 120 | 3,300 | 1,300 | 137 | 2,700 | 1,000 | 141 | 2,600 | 1,000 | 142 | 2,600* | 900 | 38 |
| 32 | 121 | 2,800 | 900 | 125 | 2,700 | 800 | 127 | 2,700 | 800 | 145 | 2,200 | | 148 | 2,100 | | 149 | 2,100 | | 32 |
| 25 | 128 | 2,200 | | 131 | 2,100 | | | | | 152 | 1,700 | | 154 | 1,600 | | | | | 25 |
| 17 | 134 | 1,800 | | 136 | 1,700 | | | | | 159 | 1,300 | | 159 | 1,300 | | | | | 17 |
| 0 | 140 | 500* | | | | | | | | 164 | 400* | | | | | | | | 0 |

Notes For Jib Capacities:

- A. For all boom lengths less than the maximum with a jib erected, the rated loads are determined by boom angle only in the appropriate column.
- B. For boom angles not shown, use the capacity of the next lower boom angle.
- C. Listed radii are for fully extended main boom only.

ON TIRES WITH 11000 LB. COUNTERWEIGHT

| MAX RADIUS (FT) | BOOM LENGTH (FT) | ALL | | |
|--------------------|------------------|------------|--------------|---------|
| | | STATIONARY | PICK & CARRY | |
| | | | CREEP | 2.5 MPH |
| STRAIGHT OVER REAR | | | | |
| 10 | 35 | 23,500 | 23,500 | 16,100* |
| 12 | 35 | 22,400 | 22,400 | 14,400* |
| 15 | 35 | 20,700 | 20,700 | 12,200* |
| 20 | 50 | 18,000 | 16,700 | 9,200* |
| 25 | 50 | 15,200 | 13,600 | 6,900* |
| 30 | 50 | 11,200 | 11,000 | 5,000* |
| 35 | 50 | 8,900 | 8,900 | 3,700* |
| 40 | 65 | 7,400 | 7,400 | 2,800* |
| 45 | 65 | 6,000 | 6,000 | 2,100* |
| 50 | 65 | 4,700 | 4,700 | 1,500* |
| 55 | 65 | 3,800 | 3,800 | |
| 60 | 80 | 3,000 | 3,000 | |
| 65 | 80 | 2,300 | 2,300 | |
| 70 | 80 | 1,800 | 1,800 | |

NOTES FOR ON TIRE CAPACITIES

- A. For Pick and Carry operations, boom must be centered over the rear of the crane with swing brake and lock engaged. Use minimum boom point height and keep load close to ground surface. Travel must be on smooth level surface.
- B. The load should be restrained from swinging. NO ON TIRE OPERATION WITH JIB ERECTED.
- C. Without outriggers, never maneuver the boom beyond listed load radii for applicable tires to ensure stability.
- D. Creep speed is crane movement of less than 200 Ft. (61m) in a 30 minute period and not exceeding 1.0 mph (1.6 km/h).
- E. Refer to General Notes for additional information.

MAXIMUM PERMISSIBLE HOIST LINE LOAD

| LINE PARTS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11* |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| MAIN & AUX. HOIST | 11,250 | 22,500 | 33,750 | 45,000 | 56,250 | 67,500 | 78,750 | 90,000 | 101,250 | 112,500 | 123,750 |

WIRE ROPE: 5/8" ROTATION RESISTANT COMPACTED STRAND, 34 X 7, GRADE 2160, MINIMUM BREAKING STRENGTH – 28.21 TONS

5/8" 6 X 19 OR 6 X 37 XIPS, IWRC, PREFORMED, RIGHT REGULAR LAY MINIMUM BREAKING STRENGTH – 20.6 TONS

* IF SIX SHEAVES ARE NOT INSTALLED IN THE BOOM HEAD, THE FIRST PART OF LINE MAY BE ROUTED OVER THE AUXILIARY BOOM HEAD SHEAVE. THIS REEVING MAY ONLY BE USED AT MINIMUM RATED RADIUS. DO NOT PULL THE HOOK BLOCK CLOSER THAN 10 FT. FROM THE BOOM HEAD WITH A LOAD ON THE HOOK BLOCK!

GENERAL NOTES

GENERAL

1. Rated loads as shown on Lift Charts pertain to this machine as originally manufactured and equipped. Modifications to the machine or use of optional equipment other than that specified can result in a reduction of capacity.
2. Construction equipment can be hazardous if improperly operated or maintained. Operation and maintenance of this machine shall be in compliance with the information in the Operator's, Parts and Safety Manuals supplied with this machine. If these manuals are missing, order replacements from the manufacturer through your distributor.
3. These warnings do not constitute all of the operating conditions for the crane. The operator and job site supervision must read the OPERATORS MANUAL, CIMA SAFETY MANUAL, APPLICABLE OSHA REGULATIONS, AND SOCIETY OF MECHANICAL ENGINEERS (ASME) SAFETY STANDARDS FOR CRANES.
4. This crane and its load ratings are in accordance with POWER CRANE & SHOVEL ASSOCIATION, STANDARD NO. 4, SAE CRANE LOAD STABILITY TEST CODE J765A, SAE METHOD OF TEST FOR CRANE STRUCTURE J1063 AND APPLICABLE SAFETY CODE FOR CRANES, DERRICKS AND HOISTS, ASME/ANSI B30.5.

DEFINITIONS

1. **LOAD RADIUS** – The horizontal distance from the axis of rotation before loading to the center of the vertical hoist line or tackle with a load applied.
2. **LOADED BOOM ANGLE** – It is the angle between the boom base section and the horizontal, after lifting the rated load at the rated radius. The boom angle before loading should be greater to account for deflections. The loaded boom angle combined with boom length give only an approximation of the operating radius.
3. **WORKING AREA** – Areas measured in a circular arc about the centerline of rotation as shown in the diagram.
4. **FREELY SUSPENDED LOAD** – Load hanging free with no direct external force applied except by the hoist rope.
5. **SIDE LOAD** – Horizontal force applied to the lifted load either on the ground or in the air.
6. **NO LOAD STABILITY LIMIT** – The stability limit radius shown on the range diagrams is the radius beyond which it is not permitted to position the boom, when the boom angle is less than the minimum shown on the applicable load chart, because the machine can overturn without any load.
7. **BOOM SIDE OF CRANE** – The side of the crane over which the boom is positioned when in an OVER SIDE working position.

SET-UP

1. Crane load ratings are based on the crane being leveled and standing on a firm, uniform supporting surface.
2. Crane load ratings on outriggers are based on all outrigger beams being fully extended or in the case of partial extension ratings mechanically pinned in the appropriate position, and the tires free of the supporting surface.
3. Crane load ratings on tires depend on appropriate inflation pressure and the tire conditions. Caution must be exercised when increasing air pressures in tires. Consult Operator's Manual for precautions.
4. Use of jibs, lattice-type boom extensions, or fourth section pullouts extended is not permitted for pick and carry operations.
5. Consult appropriate section of the Operator's and Service Manual for more exact description of hoist line reeving.
6. The use of more parts of line than required by the load may result in having insufficient rope to allow the hook block to reach the ground.
7. Properly maintained wire rope is essential for safe crane operation. Consult Operator's Manual for proper maintenance and inspection requirements.
8. When spin-resistant wire rope is used, the allowable rope loading shall be the breaking strength divided by five (5), unless otherwise specified by the wire rope manufacturer.
9. Do not elevate the boom above 65° unless the boom is positioned in-line with the crane's chassis or the outriggers are extended. Failure to observe this warning may result in loss of stability.

OPERATION

1. **CRANE LOAD RATINGS MUST NOT BE EXCEEDED. DO NOT ATTEMPT TO TIP THE CRANE TO DETERMINE ALLOWABLE LOADS.**
2. When either radius or boom length, or both, are between listed values, the smaller of the two listed load ratings shall be used.
3. Do not operate at longer radii than those listed on the applicable load rating chart (cross hatched areas shown on range diagrams).
4. The boom angles shown on the Capacity Chart give an approximation of the operating radius for a specified boom length. The boom angle, before loading, should be greater to account for boom deflection. It may be necessary to retract the boom if maximum boom angle is insufficient to maintain rated radius.
5. Power telescoping boom sections must be extended equally.
6. Rated loads include the weight of hook block, slings, and auxiliary lifting devices. Their weights shall be subtracted from the listed rated load to obtain the net load that can be lifted.
When lifting over the jib the weight of any hook block, slings, and auxiliary lifting devices at the boom head must be added to the load.
When jibs are erected but unused add two (2) times the weight of any hook block, slings, and auxiliary lifting devices at the jib head to the load.
7. Rated loads do not exceed 85% on outriggers or 75% on tires, of the tipping load as determined by SAE Crane Stability Test Code J765a. Structural strength ratings in chart are indicated with an asterisk (*).
8. Rated loads are based on freely suspended loads. No attempt shall be made to drag a load horizontally on the ground in any direction.
9. The user shall operate at reduced ratings to allow for adverse job conditions, such as: Soft or uneven ground, out of level conditions, high winds, side loads, pendulum action, jerking or sudden stopping of loads, hazardous conditions, experience of personnel, two machine lifts, traveling with loads, electric wires, etc., (side pull on boom or jib is hazardous). Derating of the cranes lifting capacity is required when wind speed exceeds 20 MPH. The center of the lifted load must never be allowed to move more than 3* feet off the center line of the base boom section due to the effects of wind, inertia, or any combination of the two.
**Use 2 feet off the center line of the base boom for a two section boom, 3 feet for a three section boom, or 4 feet for a four section boom.
10. The maximum load which can be telescoped is not definable, because of variations in loadings and crane maintenance, but it is permissible to attempt retraction and extension if load ratings are not exceeded.
11. Load ratings are dependent upon the crane being maintained according to manufacturer's specifications.
12. It is recommended that load handling devices, including hooks, and hook blocks, be kept away from boom head at all times.
13. **FOR TRUCK CRANES ONLY:** 360° capacities apply only to machines equipped with a front outrigger jack and all five (5) outrigger jacks properly set. If the front (5th) outrigger jack is not properly set, the work area is restricted to the over side and over rear areas as shown on the Crane Working Positions diagram. Use the 360° load ratings in the overside work areas.
14. Do not lift with outrigger beams positioned between the fully extended and intermediate (pinned) positions.
15. Truck Cranes not equipped with equalizing (bogie) beams between the rear axles may not be used for lifting "on tires". Truck Cranes equipped with equalizing beams and rear air suspension should "dump" the air before lifting "on tires".

CLAMSHELL, MAGNET, AND CONCRETE BUCKET SERVICE

1. Maximum boom length for clamshell and magnet service is 50 feet.
2. Weight of clamshell or magnet, plus contents are not to exceed 6,000 pounds or 90% of rated lifting capacities, whichever is less. For concrete bucket operation, weight of bucket and load must not exceed 90% of rated lifting capacity.

WE RESERVE THE RIGHT TO AMEND THESE SPECIFICATIONS AT ANY TIME WITHOUT NOTICE. THE ONLY WARRANTY APPLICABLE IS OUR STANDARD WRITTEN WARRANTY APPLICABLE TO THE PARTICULAR PRODUCT AND SALE. WE MAKE NO OTHER WARRANTY, EXPRESSED OR IMPLIED.



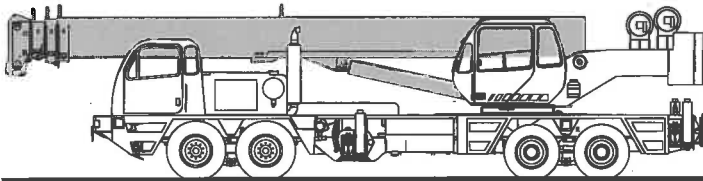
106 12th Street S.E.
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STANDARD BOOM EQUIPMENT

BOOM

35-110 ft. (10.67-33.53 m), four section full power, mechanically synchronized boom. High-strength four plate construction with embossed side plate holes to reduce weight and increase strength. Anti-friction slide pads. A single boom hoist cylinder provides for boom elevation of -4 to 76 degrees. Maximum tip height is 114 ft. (30.17 m).

BOOM HEAD

Welded to outer section of boom. Four or five load sheaves and two idler sheaves mounted on heavy duty, anti-friction bearings. Quick reeving boom head. Provisions made for side-stow jib mounting.

OPTIONAL BOOM EQUIPMENT

JIBS

32 ft. (9.75 m) side stow swing-on one-piece lattice type jib. Single sheave mounted on anti-friction bearing. Jib is offsettable at 0°, 15°, or 30°. Maximum tip height is 145 ft. (44.22 m) with 110 ft. (33.53 m) boom.

32-57 ft. (9.75-17.37 m) side stow swing-on lattice type jib. Single sheave mounted on anti-friction bearing. Jib is extendible to 57 ft. (17.37 m) by means of a 25 ft. (7.62 m) manual pull-out tip section, roller supported for ease of extension. Jib is offsettable at 0°, 15°, or 30°. Maximum tip height is 169 ft. (51.62 m) with 110 ft. (33.53 m) boom.

AUXILIARY BOOM HEAD

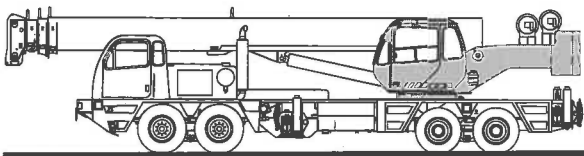
Removable auxiliary boom head has single sheave mounted on anti-friction bearing. Removable pin-type rope guard for quick reeving. Installs on main boom peak only. Removal is not required for jib use.

HOOK BLOCK

Three, or four nylon sheaves on anti-friction bearings with hook and heavy duty hook latch. Quick reeving design does not require removal of wedge and socket from rope.

HOOK & BALL

7 ton (6.3 mt) top swivel ball with hook and hook latch.



STANDARD UPPERSTRUCTURE EQUIPMENT

UPPERSTRUCTURE FRAME

All welded one-piece structure fabricated with high tensile strength alloy steel.

COUNTERWEIGHT

Counterweight is bolted to frame. Optional integral counterweight removal system permits counterweight to be carried on the deck of the carrier to optimize axle weights and multiple counterweight combinations to be utilized.

TURNTABLE CONNECTION

Swing bearing is a single row, ball type, with external teeth. The swing bearing is bolted to the revolving upperstructure and welded to the carrier frame.

SWING

A hydraulic motor drives a double planetary reduction gear for precise and smooth swing function. Swing speed (no load) is 2.8 rpm.

SWING BRAKE

Heavy duty multiple disc swing brake is mechanically actuated from operator's cab by foot pedal. Brake may be locked on or used as a momentary brake.

RATED CAPACITY INDICATOR

Rated Capacity Indicator with visual and audible warning system and automatic function disconnects. Pictographic display includes: boom radius, boom angle, boom length, allowable load, actual load, and percentage of allowable load registered by bar graph. Operator settable alarms provided for swing angle, boom length, boom angle, tip height, and work area exclusion zone. Anti-two block system includes audio/visual warning and automatic function disconnects.

OPERATOR'S CAB

Environmental cab with all steel construction, optimum visibility, tinted safety glass throughout, and rubber floor matting is mounted on vibration absorbing pads. The cab has a sliding door on the left side, framed sliding window on the right side, hinged tinted all glass skylight

STANDARD CARRIER EQUIPMENT

CARRIER CHASSIS

Chassis is Terex designed and built with an 8 x 4 drive. Triple box construction frame with internal diaphragms is fabricated from high strength alloy steel and provides superior frame rigidity. Full aluminum decking improves access and reduces weight. Multiple lockable storage compartments and ground level outrigger controls are built into decking. Aluminum engine housing with sliding cover optimizes engine access while reducing weight and improving corrosion resistance. Mud flaps.

AXLES AND SUSPENSION

Rear Axles - 42,000 lb. (19 051 kg) capacity tandem axles with heat treated housings have inter-axle differential with lockout. Axles are mounted on equalizer beams to distribute weight evenly.
Front Axles - 42,000 lb. (19 051 kg) capacity tubular beam type axles are mounted on standard air suspension system over equalizer beams with shock absorbers.

TIRES

Front: Four 425/65R22.5-18 P.R. All-position type tubeless.
Rear: Eight 11R22.5-14P.R. deep tread drive axle type tubeless

BRAKES

Full air brakes on all wheels with split circuit system
Front brakes: 16.5 x 6 in. (419 x 152 mm)
Rear brakes: 16.5 x 7 in. (419 x 178 mm)
All brakes are air operated "S" cam type with automatic slack adjusters.

Lining areas are 768 in² (4954 cm²) front and 920 in² (5935 cm²) rear. Air compressor has standard air dryer. Rear tandem axles have spring-set,

and removable front windshield to provide optimized visibility of the load open or closed. Acoustical foam padding insulates against sound and weather. Hot air defroster keeps windshield clear. The deluxe six-way adjustable operator's seat is equipped with a torsion bar suspension and includes head and arm rests.

CONTROLS

All control levers and pedals are positioned for efficient operation. Hand operated control levers include swing, boom telescope, boom hoist, winch(s), vernier adjustable hand throttle, and two position house lock. Switches include ignition, engine stop, two-speed winch(s), lights, horn, windshield wipers, defroster, outriggers, etc. Horn and additional winch momentary shift switches are switch mounted in the levers. Foot control pedals include swing brake, boom raise, boom lower, and throttle.

INSTRUMENTATION AND ACCESSORIES

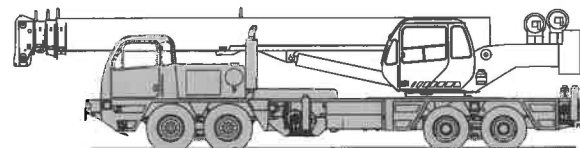
In-cab gauges include bubble level, engine oil pressure, fuel, engine temperature, voltmeter. Indicators include high coolant temperature/low engine oil pressure audio/visual warning, low coolant level audio/visual warning, and Rated Load Indicator. Accessories include fire extinguisher, windshield washer/wiper, skylight wiper, L.H. rear view mirror, dash and dome lights, and seat belt. Circuit breakers protect electrical circuits.

HYDRAULIC CONTROL VALVES

Valves are mounted on the rear of the upperstructure and are easily accessible. Valves are mechanically operated and include one pressure compensated two spool valve for boom elevation and telescope, one pressure compensated two spool valve for main and auxiliary winch, and one single spool valve for swing. High pressure regeneration feature provides 2-speed boom extension. Quick disconnects are provided for ease of installation of pressure check gauges.

OPTIONAL EQUIPMENT

Auxiliary Winch • 360° House Lock • LP Heater/Defroster • Hydraulically Powered Air Conditioner • Diesel Heater/Defroster • Tachometer • Work Lights • Heavy Counterweight Package w/Hydraulic Removal System



air-released parking or emergency brake chambers. Parking brake is applied with valve mounted on dash panel. Emergency brakes apply automatically when air pressure drops below 60 psi (4.2 kg/cm²).

STEERING

Mechanism includes rack and pinion with integral hydraulic power.
To ϕ of tires
Turning radius: 33'-4" (10.16 m)

TRANSMISSION

Standard: Fuller 10 speed manual transmission (Series 50 engine only).
Optional: CEE MAT automatic transmission has 9 speeds forward and 2 reverse, with neutral safety start. Provides wide ratio coverage with "hands free" shifting. A lock up torque converter further improves performance (Series 60 engine only).

MULTI-POSITION & DOWN OUTRIGGERS

Fully independent hydraulic outriggers may be utilized fully extended to 21 ft. (6.40 m), in their 1/2 extended position, or fully retracted. Removable aluminum outrigger pads are 452 in² (2919 cm²) and stow on the carrier frame. Complete controls and sight leveling bubble are located in the operator's cab. Additional ground level controls are incorporated into the aluminum decking. Includes 5th, front outrigger which incorporates a self stowing permanently attached float.

STANDARD CARRIER EQUIPMENT (continued)

CARRIER CAB

One-man aluminum cab is mounted on vibration absorbing pads and has optimum visibility, safety glass, acoustical foam padding inside cab for insulating against sound and weather, hot air defroster, six-way adjustable torsion bar suspension seat with seat belt and lockable door with roll down window.

CONTROLS

Included are transmission shift, inter-axled differential lock, cruise control, parking brake, two-speed windshield wiper/washer, heater and defroster, lights, headlight dimmer, dome light, and ignition switch.

INSTRUMENTS

Included are speedometer, hour meter, tachometer, voltmeter, fuel gauge, engine oil pressure gauge, water temperature gauge, dual air pressure gauges. Warning lights include low coolant level, parking brakes on, low air, pumps engaged, and high beam lights.

HYDRAULIC SYSTEM

HYDRAULIC PUMPS

Triple pump driven from engine flywheel housing PTO with air shifted mechanical pump disconnect at 1.3 times engine speed. A separate steering pump is driven directly from the engine. Combined system capacity is 115 gpm (435 lpm). Hydraulic oil cooler is standard.

Main and Auxiliary Winch Pump

59.5 gpm (225.2 lpm) @ 3,500 psi (246.1 kg/cm²)

Boom Hoist and Telescope Pump

43.1 gpm (163.1 lpm) @ 3,500 psi (246.1 kg/cm²)

Outrigger and Swing Pump

21.2 gpm (80.2 lpm) @ 2,500 psi (175 kg/cm²)

MAIN WINCH SPECIFICATIONS

Hydraulic winch with bent axis piston motor and planetary reduction gearing provides 2-speed operation with equal speeds for power up and down. Winch is equipped with an integral automatic brake, grooved drum, tapered flanges, standard cable roller on drum, and electronic drum rotation indicator.

| PERFORMANCE | LO-RANGE | HI-RANGE |
|----------------------------|----------------------|-----------------------|
| Max. line speed (no load) | | |
| First layer | 184 fpm (56.1 m/min) | 369 fpm (112.5 m/min) |
| Fifth layer | 266 fpm (81.1 m/min) | 533 fpm (162.5 m/min) |
| Max. line pull-first layer | 15,639 lbs (7093 kg) | 7,298 lbs (3310 kg) |
| Max. line pull-fifth layer | 10,827 lbs (4911 kg) | 5,052 lbs (2291 kg) |
| Permissible line pull | 9,000 lbs (4082 kg) | |

| DRUM DIMENSIONS | DRUM CAPACITY |
|---|---|
| 10.62 in (270 mm) drum diameter | Max. Storage: 939 ft (286.2 m) |
| 22.42 in (570 mm) length | 7th layer not a working layer |
| 20.0 in (508 mm) flange dia. | Max. Useable: 772 ft (235.3 m)* |
| Cable: 5/8 in. x 500 ft (16 mm x 152.4 m) | |
| Cable type: 5/8 in. (16 mm) 6x19 IWRC IPS | * Based on min. flange height above top layer to comply with ANSI B30.5 |
| right regular lay, preformed | |
| Min. breaking strength 17.9 tons (16.2 mt). | |

ENGINE SPECIFICATIONS

| Make and Model | Detroit Diesel | |
|--|----------------------------------|---------------------------------|
| | Series 50 | Series 60 |
| Type | 4 cylinder | 6 Cylinder |
| Bore and Stroke | 5.12 x 6.30 in. (130 x 160 mm) | 5.12 x 6.30 in. (130 x 160 mm) |
| Displacement | 519 cu. in. (8.5 L) | 778 cu. in. (12.7 L) |
| Max. Gross Horsepower | 350 hp (261 kw) @ 2100 rpm | 420 hp (313 kw) @ 1800 rpm |
| Max. Gross Torque@rpm | 1150 lbs•ft. (1559 N•m)@1200 rpm | 1450 lb•ft. (1966 N•m)@2100 rpm |
| Max. Net Horsepower | 316 hp (236 kw) @1800 rpm | 392 hp (292 kw) @ 1600 rpm |
| Aspiration | Turbocharged & Aftercooled | Turbocharged & Aftercooled |
| Electrical System | 12 volt | 12 volt |
| Alternator | 130 amp | 130 amp |
| Battery @0°F | (3) 12V-2400 C.C.A. | (3) 12V-2400 C.C.A. |
| Fuel Capacity | 100 gal (379 l) | 100 gal (379 l) |
| (Includes standard engine controlled ether starting aid) | | |

ACCESSORIES

Included are fire extinguisher, right hand and left hand rear view mirrors, electric horn, access steps and grab handles (located at four separate locations around the crane), back-up alarm, two position boom rack, front and rear towing loops.

LIGHTS

Light package includes headlights with foot operated dimmer switch, clearance lights, tail lights, directional signal lights, four-way hazard flasher lights, back-up lights with audible alarm.

OPTIONAL EQUIPMENT

Spare Tire with Wheel • Air Suspension for Rear Tandem • Aluminum Wheels • Immersion Heater(s) • Pintle Hook • Cold Weather Kit • Series 60 Detroit Diesel Engine w/CEEMAT Transmission and Jacobs Brake • Air Suspension for Drivers Seat • Air Conditioner • Ground Level Outrigger Controls

Power Steering Pump

8 gpm (30.3 lpm) @ 1500 psi (105.5 kg/cm²)

FILTRATION

Full flow oil filtration system with bypass protection includes a removable 60 mesh (250 micron) suction screen-type filter and 5 micron replaceable return line filter.

HYDRAULIC RESERVOIR

All welded construction with internal baffles and diffuser. Provides easy access to filters and is equipped with an external sight level gauge. The hydraulic tank is pressurized to aid in keeping out contaminants and in reducing potential pump cavitation. Capacity is 117 gal (443 liters).

OPTIONAL AUXILIARY WINCH

Hydraulic 2-speed winch with bent axis piston motor, equal speed power up and down, planetary reduction with integral automatic brake, grooved drum with tapered flanges, drum roller, and rotation indicator.

PERFORMANCE

Max. line speed (no load)
Fifth layer 533 fpm (162.5 m/min)
Max. line pull
First layer 15,639 lbs. (7093 kg)

DRUM DIMENSIONS AND CAPACITY
(Same as main winch)

OPTIONAL HOIST LINE

MAIN WINCH AND OPTIONAL AUXILIARY WINCH

5/8 in. (16mm) rotation resistant compacted strand 18 x 19 or 19 x 19. Min. breaking strength 22.6 tons (20.6 mt).

SPEED AND GRADEABILITY

| ENGINE TRANSMISSION | SPEED RANGE | GRADEABILITY |
|---------------------|-------------------|--------------|
| 50 Series Manual | 65 mph (105 km/h) | 63% |
| 60 Series CEEMAT | 65 mph (105 km/h) | 100+% |

Performance data is based on a gross vehicle weight of 75,000 lbs. (34 014 kg). Performance may vary due to engine performance, weight, tire size, etc. Gradeability data is theoretical and is limited by tire slip, stability, oil pan angle, etc.

