

Komatsu LW100-1

Rated Lifting Capacity

| Radius (m) | Outriggers Fully Extended (4.75m) | | | | | |
|------------------------|-----------------------------------|-------------|--------------|--------------|--------------|--------------|
| | 4.1 Boom | 7.6 Boom | 11.1 Boom | 14.5 Boom | 18.0 Boom | 21.5 Boom |
| 1.0 | 10.00 | 5.00 | | | | |
| 1.5 | 10.00 | 5.00 | 5.00 | | | |
| 2.0 | 10.00 | 5.00 | 5.00 | 4.00 | | |
| 2.5 | 10.00 | 5.00 | 5.00 | 4.00 | 4.00 | |
| 3.0 | 8.00 | 5.00 | 5.00 | 4.00 | 4.00 | 2.00 |
| 3.5 | | 5.00 | 5.00 | 4.00 | 4.00 | 2.00 |
| 4.0 | | 5.40 | 5.00 | 4.00 | 4.00 | 2.00 |
| 4.5 | | 4.60 | 4.40 | 4.00 | 3.60 | 2.00 |
| 5.0 | | 4.20 | 3.90 | 3.55 | 3.20 | 2.00 |
| 5.5 | | 3.80 | 3.50 | 3.20 | 2.90 | 2.00 |
| 6.0 | | 3.40 | 3.15 | 2.90 | 2.70 | 2.00 |
| 6.5 | | 3.10 (6.4m) | 2.90 | 2.70 | 2.50 | 1.90 |
| 7.0 | | | 2.65 | 2.50 | 2.30 | 1.80 |
| 8.0 | | | 2.25 | 2.10 | 1.95 | 1.60 |
| 9.0 | | | 1.90 | 1.80 | 1.70 | 1.45 |
| 10.0 | | | 1.58(9.9m) | 1.55 | 1.50 | 1.30 |
| 11.0 | | | | 1.35 | 1.33 | 1.20 |
| 12.0 | | | | 1.15 | 1.14 | 1.10 |
| 13.0 | | | | 1.00 | 1.00 | 1.00 |
| 14.0 | | | | 0.92(13.4m) | 0.90 | 0.86 |
| 15.0 | | | | | 0.77 | 0.76 |
| 16.0 | | | | | 0.65 | 0.67 |
| 17.0 | | | | | 0.56(16.8m) | 0.58 |
| 18.0 | | | | | | 0.50 |
| 19.0 | | | | | | 0.42 |
| 20.0 | | | | | | 0.35 |
| 21.0 | | | | | | 0.33(20.3M) |
| Critical Boom Angle | | | | | | |

| Working Radius (m) | Outriggers Middle Extended (4.10m) | | | | | |
|--------------------------|------------------------------------|-------------|--------------|--------------|--------------|--------------|
| | 4.1 Boom | 7.6 Boom | 11.1 Boom | 14.5 Boom | 18.0 Boom | 21.5 Boom |
| 1.0 | 10.00 | 5.00 | | | | |
| 1.5 | 10.00 | 5.00 | 5.00 | | | |
| 2.0 | 10.00 | 5.00 | 5.00 | 4.00 | | |
| 2.5 | 9.40 | 5.00 | 5.00 | 4.00 | 4.00 | |
| 3.0 | 7.80 | 5.00 | 5.00 | 4.00 | 4.00 | 2.30 |
| 3.5 | | 5.00 | 5.00 | 4.00 | 4.00 | 2.00 |
| 4.0 | | 5.00 | 5.00 | 4.00 | 4.00 | 2.00 |
| 4.5 | | 4.60 | 4.40 | 4.00 | 3.60 | 2.00 |
| 5.0 | | 4.20 | 3.90 | 3.55 | 3.20 | 2.00 |
| 5.5 | | 3.80 | 3.50 | 3.20 | 2.90 | 2.00 |
| 6.0 | | 3.40 | 3.15 | 2.90 | 2.70 | 2.00 |
| 6.5 | | 3.05(6.4m) | 2.85 | 2.70 | 2.50 | 1.90 |
| 7.0 | | | 2.45 | 2.50 | 2.30 | 1.80 |
| 8.0 | | | 1.85 | 2.08 | 1.95 | 1.60 |
| 9.0 | | | 1.44 | 1.65 | 1.70 | 1.45 |
| 10.0 | | | 1.15(9.9M) | 1.32 | 1.44 | 1.30 |
| 11.0 | | | | 1.07 | 1.18 | 1.20 |
| 12.0 | | | | 0.85 | 0.98 | 1.05 |
| 13.0 | | | | 0.65 | 0.80 | 0.89 |
| 14.0 | | | | 0.59(13.4M) | 0.63 | 0.73 |
| 15.0 | | | | | 0.50 | 0.59 |
| 16.0 | | | | | 0.38 | 0.47 |
| 17.0 | | | | | 0.30(16.8) | 0.36 |
| 18.0 | | | | | | 0.27 |
| 19.0 | | | | | | 0.20 |
| 20.0 | | | | | | |
| 21.0 | | | | | | |
| Critical Boom Angle | | | | | | 24° |

| Radius (m) | Outriggers Middle Extended (3.40m) | | | | | |
|---------------------|------------------------------------|-------------|-------------|--------------|--------------|--------------|
| | 4.1 Boom | 7.6 Boom | 11.1 Boom | 14.5 Boom | 18.0 Boom | 21.5 Boom |
| 1.0 | 10.00 | 5.00 | | | | |
| 1.5 | 10.00 | 5.00 | 5.00 | | | |
| 2.0 | 10.00 | 5.00 | 5.00 | 4.00 | | |
| 2.5 | 8.60 | 5.00 | 5.00 | 4.00 | 4.00 | |
| 3.0 | 7.30 | 5.00 | 5.00 | 4.00 | 4.00 | 2.00 |
| 3.5 | | 5.00 | 5.00 | 4.00 | 4.00 | 2.00 |
| 4.0 | | 5.40 | 5.00 | 4.00 | 4.00 | 2.00 |
| 4.5 | | 4.35 | 4.20 | 4.00 | 3.60 | 2.00 |
| 5.0 | | 3.50 | 3.40 | 3.55 | 3.20 | 2.00 |
| 5.5 | | 2.90 | 2.80 | 3.06 | 2.90 | 2.00 |
| 6.0 | | 2.45 | 2.35 | 2.60 | 2.70 | 2.00 |
| 6.5 | | 2.15 (6.4m) | 2.00 | 2.23 | 2.35 | 1.90 |
| 7.0 | | | 1.71 | 1.93 | 2.05 | 1.80 |
| 8.0 | | | 1.26 | 1.47 | 1.60 | 1.60 |
| 9.0 | | | 0.90 | 1.14 | 1.25 | 1.34 |
| 10.0 | | | 0.64 (9.9m) | 0.87 | 1.00 | 1.08 |
| 11.0 | | | | 0.64 | 0.78 | 0.88 |
| 12.0 | | | | 0.45 | 0.59 | 0.69 |
| 13.0 | | | | 0.29 | 0.44 | 0.53 |
| 14.0 | | | | 0.24 (13.4m) | 0.30 | 0.40 |
| 15.0 | | | | | 0.20 (14.9m) | 0.28 |
| 16.0 | | | | | | 0.20 (15.9m) |
| Critical Boom Angle | | | | | 31° | 41° |

| Working Radius (m) | Outriggers Middle Extended (2.80m) | | | | | |
|---------------------|------------------------------------|-------------|-------------|--------------|--------------|--------------|
| | 4.1 Boom | 7.6 Boom | 11.1 Boom | 14.5 Boom | 18.0 Boom | 21.5 Boom |
| 1.0 | 10.00 | 5.00 | | | | |
| 1.5 | 10.00 | 5.00 | 5.00 | | | |
| 2.0 | 9.60 | 5.00 | 5.00 | 4.00 | | |
| 2.5 | 7.90 | 5.00 | 5.00 | 4.00 | 4.00 | |
| 3.0 | 6.60 | 5.00 | 5.00 | 4.00 | 4.00 | 2.00 |
| 3.5 | | 5.00 | 4.90 | 4.00 | 4.00 | 2.00 |
| 4.0 | | 3.85 | 3.70 | 4.00 | 4.00 | 2.00 |
| 4.5 | | 3.05 | 2.95 | 3.20 | 3.35 | 2.00 |
| 5.0 | | 2.50 | 2.39 | 2.60 | 2.75 | 2.00 |
| 5.5 | | 2.05 | 1.95 | 2.19 | 2.30 | 2.00 |
| 6.0 | | 1.73 | 1.63 | 1.85 | 1.98 | 2.00 |
| 6.5 | | 1.50 (6.4m) | 1.35 | 1.57 | 1.70 | 1.78 |
| 7.0 | | | 1.14 | 1.35 | 1.47 | 1.55 |
| 8.0 | | | 0.72 | 1.00 | 1.12 | 1.20 |
| 9.0 | | | 0.43 | 0.69 | 0.85 | 0.93 |
| 10.0 | | | 0.22 (9.9m) | 0.45 | 0.60 | 0.71 |
| 11.0 | | | | 0.27 | 0.42 | 0.52 |
| 12.0 | | | | 0.20 (11.4m) | 0.26 | 0.36 |
| 13.0 | | | | | 0.20 (12.5m) | 0.23 |
| 14.0 | | | | | | 0.20 (13.3m) |
| 15.0 | | | | | | |
| 16.0 | | | | | | |
| Critical Boom Angle | | | | 34° | 44° | 51° |

| Radius (m) | Outriggers Middle Extended (2.20m) | | | | | |
|---------------------|------------------------------------|-------------|-------------|-------------|--------------|--------------|
| | 4.1 Boom | 7.6 Boom | 11.1 Boom | 14.5 Boom | 18.0 Boom | 21.5 Boom |
| 1.0 | 10.00 | 5.00 | | | | |
| 1.5 | 8.00 | 5.00 | 5.00 | | | |
| 2.0 | 6.25 | 5.00 | 5.00 | 4.00 | | |
| 2.5 | 5.05 | 5.00 | 4.70 | 4.00 | 4.00 | |
| 3.0 | 4.15 | 3.90 | 3.80 | 4.00 | 4.00 | 2.00 |
| 3.5 | | 3.20 | 3.10 | 3.30 | 3.45 | 2.00 |
| 4.0 | | 2.53 | 2.43 | 2.65 | 2.80 | 2.00 |
| 4.5 | | 2.00 | 1.90 | 2.14 | 2.25 | 2.00 |
| 5.0 | | 1.62 | 1.52 | 1.74 | 1.85 | 1.95 |
| 5.5 | | 1.32 | 1.22 | 1.42 | 1.55 | 1.64 |
| 6.0 | | 1.08 | 0.95 | 1.19 | 1.30 | 1.39 |
| 6.5 | | 0.89 (6.4m) | 0.71 | 0.99 | 1.10 | 1.19 |
| 7.0 | | | 0.52 | 0.78 | 0.94 | 1.02 |
| 8.0 | | | 0.22 | 0.48 | 0.64 | 0.74 |
| 9.0 | | | 0.20 (8.1m) | 0.25 | 0.40 | 0.50 |
| 10.0 | | | | 0.20 (9.2m) | 0.22 | 0.32 |
| 11.0 | | | | | 0.20 (10.1m) | 0.20 (10.8m) |
| Critical Boom Angle | | | 38° | 48° | 55° | 59° |

| Working Radius (m) | Outriggers Minimum Extended (1.65m) | | | | | |
|---------------------|-------------------------------------|-------------|-------------|-------------|-------------|-------------|
| | 4.1 Boom | 7.6 Boom | 11.1 Boom | 14.5 Boom | 18.0 Boom | 21.5 Boom |
| 1.0 | 10.00 | 5.00 | | | | |
| 1.5 | 8.00 | 5.00 | 5.00 | | | |
| 2.0 | 6.25 | 5.00 | 5.00 | 4.00 | | |
| 2.5 | 4.15 | 3.85 | 3.70 | 4.00 | 4.00 | |
| 3.0 | | 2.70 | 2.60 | 2.85 | 3.00 | 2.00 |
| 3.5 | | 2.02 | 1.92 | 2.15 | 2.27 | 2.00 |
| 4.0 | | 1.54 | 1.44 | 1.65 | 1.80 | 1.88 |
| 4.5 | | 1.19 | 1.08 | 1.30 | 1.43 | 1.52 |
| 5.0 | | 0.90 | 0.77 | 1.03 | 1.15 | 1.24 |
| 5.5 | | 0.63 | 0.52 | 0.78 | 0.94 | 1.02 |
| 6.0 | | 0.44 | 0.31 | 0.58 | 0.74 | 0.84 |
| 6.5 | | 0.30 (6.4m) | 0.20 (6.3m) | 0.41 | 0.56 | 0.66 |
| 7.0 | | | | 0.26 | 0.42 | 0.52 |
| 8.0 | | | | 0.20 (7.2m) | 0.20 (7.9m) | 0.29 |
| 9.0 | | | | | | 0.20 (8.5m) |
| 10.0 | | | | | | |
| 11.0 | | | | | | |
| Critical Boom Angle | | | 52° | 59° | 63° | 66° |

JIB RATED LIFTING CAPACITY (21.5m Boom + 3.4m Jib)

| Angle (°) | Outriggers Fully Extended (4.75m) | | |
|------------------------|-----------------------------------|---------------|---------------|
| | Offset 0° | Offset 20° | Offset 40° |
| 83.0 | 1.20 | 0.86 | 0.48 |
| 80.0 | 1.20 | 0.86 | 0.48 |
| 75.0 | 1.20 | 0.77 | 0.48 |
| 72.0 | 1.20 | 0.72 | 0.48 |
| 70.0 | 1.15 | 0.69 | 0.48 |
| 65.0 | 0.93 | 0.62 | 0.48 |
| 60.0 | 0.77 | 0.57 | 0.46 |
| 55.0 | 0.66 | 0.53 | 0.45 |
| 50.0 | 0.56 | 0.50 | 0.44 |
| 45.0 | 0.49 | 0.45 | 0.42 |
| 40.0 | 0.43 | 0.40 | 0.40 |
| 35.0 | 0.39 | 0.37 | |
| 30.0 | 0.36 | 0.34 | |
| 25.0 | 0.30 | 0.30 | |
| 20.0 | 0.26 | 0.26 | |
| 15.0 | 0.23 | | |
| 10.0 | 0.22 | | |
| Critical Boom Angle | | 20° | 40° |

| Boom Angle (°) | Outriggers Middle Extended (4.10m) | | |
|------------------------|------------------------------------|---------------|---------------|
| | Offset 0° | Offset 20° | Offset 40° |
| 83.0 | 1.20 | 0.86 | 0.48 |
| 80.0 | 1.20 | 0.86 | 0.48 |
| 75.0 | 1.20 | 0.77 | 0.48 |
| 72.0 | 1.20 | 0.72 | 0.48 |
| 70.0 | 1.15 | 0.69 | 0.48 |
| 65.0 | 0.93 | 0.62 | 0.48 |
| 60.0 | 0.77 | 0.57 | 0.46 |
| 55.0 | 0.66 | 0.53 | 0.45 |
| 50.0 | 0.56 | 0.50 | 0.44 |
| 45.0 | 0.44 | 0.42 | 0.42 |
| 40.0 | 0.33 | 0.32 | 0.31 |
| 35.0 | 0.24 | 0.23 | |
| 30.0 | | | |
| 25.0 | | | |
| 20.0 | | | |
| 15.0 | | | |
| 10.0 | | | |
| Critical Boom Angle | 32° | 33° | 40° |

| Boom Angle (°) | Outriggers Middle Extended (3.40m) | | |
|------------------------|------------------------------------|---------------|---------------|
| | Offset 0° | Offset 20° | Offset 40° |
| 83.0 | 1.20 | 0.86 | 0.48 |
| 80.0 | 1.20 | 0.86 | 0.48 |
| 75.0 | 1.20 | 0.77 | 0.48 |
| 72.0 | 1.20 | 0.72 | 0.48 |
| 70.0 | 1.15 | 0.69 | 0.48 |
| 65.0 | 0.93 | 0.62 | 0.48 |
| 60.0 | 0.72 | 0.57 | 0.46 |
| 55.0 | 0.49 | 0.46 | 0.44 |
| 50.0 | 0.33 | 0.30 | 0.3 |
| 45.0 | 0.20 | | |
| 40.0 | | | |
| 35.0 | | | |
| 30.0 | | | |
| 25.0 | | | |
| 20.0 | | | |
| 15.0 | | | |
| 10.0 | | | |
| Critical Boom Angle | 45° | 46° | 46° |

| Angle (°) | Outriggers Middle Extended (2.80m) | | |
|------------------------|------------------------------------|---------------|---------------|
| | Offset 0° | Offset 20° | Offset 40° |
| 83.0 | 1.20 | 0.86 | 0.48 |
| 80.0 | 1.20 | 0.86 | 0.48 |
| 75.0 | 1.20 | 0.77 | 0.48 |
| 72.0 | 1.20 | 0.72 | 0.48 |
| 70.0 | 1.06 | 0.69 | 0.48 |
| 65.0 | 0.70 | 0.62 | 0.48 |
| 60.0 | 0.43 | 0.39 | 0.37 |
| 55.0 | 1.24 | 0.22 | 0.21 |
| Critical Boom Angle | 54° | 55° | 55° |

| Boom Angle (°) | Outriggers Middle Extended (2.20m) | | |
|------------------------|------------------------------------|---------------|---------------|
| | Offset 0° | Offset 20° | Offset 40° |
| 83.0 | 1.20 | 0.86 | 0.48 |
| 80.0 | 1.20 | 0.86 | 0.48 |
| 75.0 | 1.19 | 0.77 | 0.48 |
| 72.0 | 0.86 | 0.72 | 0.48 |
| 70.0 | 0.70 | 0.61 | 0.48 |
| 65.0 | 0.37 | 0.32 | 0.3 |
| 60.0 | | | |
| 55.0 | | | |
| Critical Boom Angle | 62° | 62° | 63° |

| Boom Angle (°) | Outriggers Minimum Extended (1.65m) | | |
|------------------------|-------------------------------------|---------------|---------------|
| | Offset 0° | Offset 20° | Offset 40° |
| 83.0 | 1.20 | 0.86 | 0.48 |
| 80.0 | 1.20 | 0.86 | 0.48 |
| 75.0 | 0.76 | 0.63 | 0.48 |
| 72.0 | 0.47 | 0.39 | 0.35 |
| 70.0 | 0.33 | 0.27 | 0.24 |
| 65.0 | | | |
| 60.0 | | | |
| 55.0 | | | |
| Critical Boom Angle | 68° | 69° | 70° |

Stationary on rubber, Pick &
carry (less than 2km/H) (over

| Working Radius (m) | Without Outriggers | |
|---------------------|--------------------|----------|
| | 4.1 Boom | 7.6 Boom |
| 1.0 | 1.00 | 1.00 |
| 1.5 | 1.00 | 1.00 |
| 2.0 | 1.00 | 1.00 |
| 2.5 | 1.00 | 1.00 |
| 3.0 | 1.00 | 1.00 |
| 3.5 | | 1.00 |
| 4.0 | | 1.00 |
| 4.5 | | 1.00 |
| 5.0 | | 1.00 |
| 5.5 | | 0.50 |
| 6.0 | | 0.50 |
| 6.4 | | 0.50 |
| Critical Boom Angle | | |