

ROADRAILER

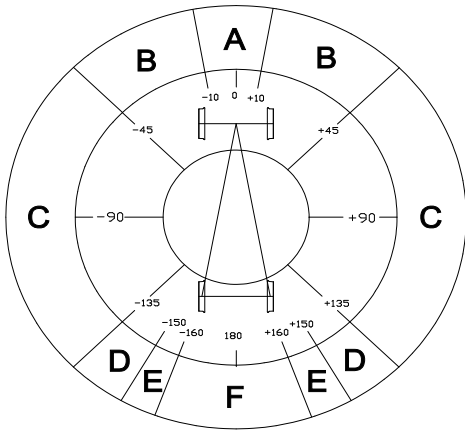
by REXQUOTE

e-mail: sales@rexquote.co.uk

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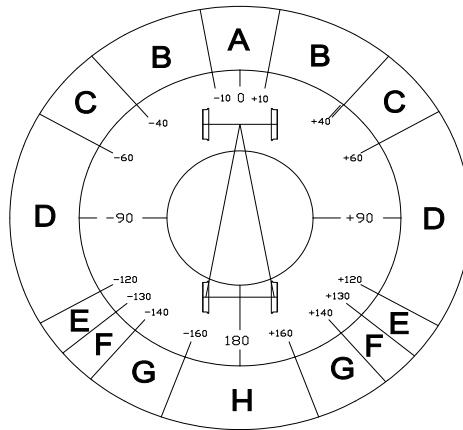
TEL:01823 433398

Oscillating Axle



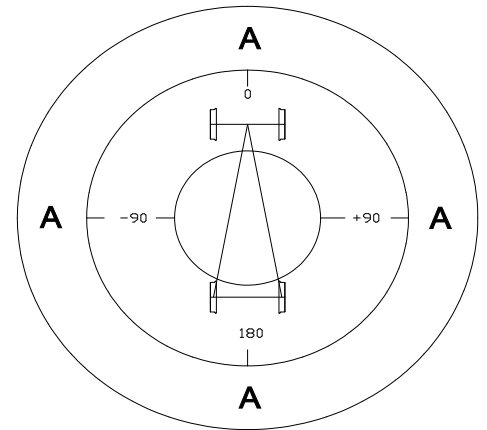
Fixed Axle
Road Duties

Oscillating Axle



Fixed Axle
Rail Duties
Level Rail 0-50 mm
Canted Rail 50-150mm

Oscillating Axle



Fixed Axle
Rail Duties
Maximum Cant + Twist
150 + 27 mm

Machine fitted with permanently attached Quick Hitch

Machine Type: Komatsu PW160
 Serial Number: H55515
 Rail Axle Number: 2319
 Network Rail Number: 99709 910023-9
 Equipment: Boom 5.15m Arm 2.1m
 Date: 21st October 2013
 Issue: 3
 Software Version: V2.17.13.00

This machine is equipped with a Rexquote Rated Capacity Indicator. This system is designed to comply with RAILWAY SAFETY STANDARD RIS-1530-PLT Issue 2


Radius / Height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the lifting point with no other equipment attached. This machine is fitted with an hydraulically adjustable boom. This allows the machine to reach the same point in space with a variety of different equipment angles, each combination has a different safe working load. The charts above show both the upper & lower limits of the loads achievable. Loads marked 'b' boom, 'r' articulation, and 'a' arm are limited by hydraulic capacity.

All rail duties listed are valid for use on up to a 1:25 gradient, and with a maximum track twist of 27mm.

RATED LIFT CAPACITY CHART


RIS 1530

| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboam |

| Duty | Config | Sector | Osc Axle | Safety |
|------------|-------------|-------------------------|---|------------|
| 1aU | ROAD | +/- 10° Over Osc End |  | 75% |

| | | RADIUS | | | | | | | | | | | | | |
|--------|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| | | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 | |
| HEIGHT | 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | 7.0 | - | - | - | - | - | - | - | 3.16 | - | - | - | - | - | |
| | 6.0 | - | - | - | - | - | - | - | 3.17 | 2.76 | 2.40 | - | - | - | |
| | 5.0 | - | - | - | - | - | - | 3.56 | 3.10 | 2.71 | 2.39 | 2.10 | - | - | |
| | 4.0 | - | - | - | - | 4.53 | 3.89 | 3.38 | 2.96 | 2.61 | 2.31 | 2.06 | 1.83 | - | |
| | 3.0 | - | - | - | - | - | 3.57 | 3.15 | 2.79 | 2.48 | 2.22 | 1.99 | 1.78 | 1.59 | |
| | 2.0 | - | - | - | - | - | - | 2.95 | 2.63 | 2.36 | 2.12 | 1.91 | 1.72 | 1.56 | |
| | 1.0 | - | - | - | - | - | 3.16 | 2.81 | 2.51 | 2.26 | 2.04 | 1.84 | 1.67 | 1.52 | |
| | 0.0 | - | - | - | - | - | 3.11 | 2.74 | 2.44 | 2.19 | 1.98 | 1.80 | 1.64 | - | |
| | -1.0 | | - | - | - | 4.34 | 3.62 | 3.11 | 2.72 | 2.41 | 2.16 | 1.95 | 1.77 | 1.62 | - |
| -2.0 | | - | - | 5.42 | 4.38 | 3.66 | 3.13 | 2.73 | 2.42 | 2.17 | 1.96 | 1.79 | - | - | |
| -3.0 | | - | - | - | 4.46 | 3.73 | 3.19 | 2.78 | 2.47 | 2.22 | - | - | - | - | |
| -4.0 | | - | - | - | - | - | - | - | - | - | - | - | - | - | |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|-------------|-------------------------|---|------------|
| 1aL | ROAD | +/- 10° Over Osc End |  | 75% |

| | | RADIUS | | | | | | | | | | | | | |
|--------|------|--------|------|-------|-------|------|------|------|------|------|------|------|------|------|---|
| | | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 | |
| HEIGHT | 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | 7.0 | - | - | - | - | - | - | - | 3.56 | - | - | - | - | - | |
| | 6.0 | - | - | - | - | - | - | - | 3.58 | 3.10 | 2.70 | - | - | - | |
| | 5.0 | - | - | - | - | - | - | 4.04 | 3.50 | 3.05 | 2.68 | 2.36 | - | - | |
| | 4.0 | - | - | - | - | 5.25 | 4.46 | 3.85 | 3.35 | 2.94 | 2.60 | 2.31 | 2.05 | - | |
| | 3.0 | - | - | - | - | - | 4.12 | 3.60 | 3.17 | 2.81 | 2.50 | 2.24 | 2.00 | 1.79 | |
| | 2.0 | - | - | - | - | - | - | 3.38 | 3.00 | 2.68 | 2.40 | 2.16 | 1.94 | 1.75 | |
| | 1.0 | - | - | - | - | - | 3.67 | 3.23 | 2.87 | 2.57 | 2.31 | 2.09 | 1.89 | 1.71 | |
| | 0.0 | - | - | - | - | - | 3.62 | 3.16 | 2.80 | 2.50 | 2.25 | 2.04 | 1.85 | - | |
| | -1.0 | | - | - | - | 5.18 | 4.26 | 3.61 | 3.14 | 2.77 | 2.47 | 2.22 | 2.01 | 1.84 | - |
| -2.0 | | - | - | 5.79b | 5.22 | 4.30 | 3.64 | 3.15 | 2.77 | 2.47 | 2.23 | 2.03 | - | - | |
| -3.0 | | - | - | - | 4.63b | 4.37 | 3.71 | 3.21 | 2.83 | 2.53 | - | - | - | - | |
| -4.0 | | - | - | - | - | - | - | - | - | - | - | - | - | - | |




| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
| PAGE | 2 of 24 |

RATED LIFT CAPACITY CHART


RIS 1530

| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboom |

| Duty | Config | Sector | Osc Axle | Safety |
|------------|-------------|-----------------------------------|---|------------|
| 1bU | ROAD | +/- 10° - +/- 45° Over Osc End |  | 75% |

| | | RADIUS | | | | | | | | | | | | | |
|--------|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| | | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 | |
| HEIGHT | 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | 7.0 | - | - | - | - | - | - | - | 1.85 | - | - | - | - | - | |
| | 6.0 | - | - | - | - | - | - | - | 1.86 | 1.57 | 1.31 | - | - | - | |
| | 5.0 | - | - | - | - | - | - | 2.11 | 1.79 | 1.52 | 1.29 | 1.09 | - | - | |
| | 4.0 | - | - | - | - | 2.65 | 2.25 | 1.92 | 1.65 | 1.42 | 1.22 | 1.05 | 0.89 | - | |
| | 3.0 | - | - | - | - | - | 1.93 | 1.70 | 1.48 | 1.29 | 1.13 | 0.98 | 0.85 | 0.72 | |
| | 2.0 | - | - | - | - | - | - | 1.49 | 1.32 | 1.17 | 1.03 | 0.90 | 0.79 | 0.68 | |
| | 1.0 | - | - | - | - | - | 1.52 | 1.35 | 1.20 | 1.07 | 0.94 | 0.84 | 0.74 | 0.65 | |
| | 0.0 | - | - | - | - | - | 1.47 | 1.28 | 1.13 | 1.00 | 0.89 | 0.79 | 0.70 | - | |
| | | -1.0 | - | - | - | 2.16 | 1.75 | 1.47 | 1.26 | 1.10 | 0.97 | 0.86 | 0.77 | 0.69 | - |
| | -2.0 | - | - | 2.80 | 2.19 | 1.78 | 1.49 | 1.28 | 1.11 | 0.97 | 0.87 | 0.78 | - | - | |
| | -3.0 | - | - | - | 2.27 | 1.86 | 1.55 | 1.33 | 1.16 | 1.03 | - | - | - | - | |
| | -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|-------------|-----------------------------------|---|------------|
| 1bL | ROAD | +/- 10° - +/- 45° Over Osc End |  | 75% |

| | | RADIUS | | | | | | | | | | | | | |
|--------|------|--------|------|-------|-------|------|------|------|------|------|------|------|------|------|---|
| | | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 | |
| HEIGHT | 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | 7.0 | - | - | - | - | - | - | - | 3.42 | - | - | - | - | - | |
| | 6.0 | - | - | - | - | - | - | - | 3.43 | 2.95 | 2.55 | - | - | - | |
| | 5.0 | - | - | - | - | - | - | 3.90 | 3.35 | 2.90 | 2.53 | 2.21 | - | - | |
| | 4.0 | - | - | - | - | 5.14 | 4.33 | 3.70 | 3.20 | 2.79 | 2.45 | 2.16 | 1.91 | - | |
| | 3.0 | - | - | - | - | - | 3.96 | 3.44 | 3.01 | 2.65 | 2.35 | 2.08 | 1.86 | 1.65 | |
| | 2.0 | - | - | - | - | - | - | 3.21 | 2.83 | 2.51 | 2.24 | 2.00 | 1.79 | 1.61 | |
| | 1.0 | - | - | - | - | - | 3.50 | 3.06 | 2.70 | 2.40 | 2.15 | 1.93 | 1.74 | 1.57 | |
| | 0.0 | - | - | - | - | - | 3.44 | 2.98 | 2.62 | 2.33 | 2.08 | 1.88 | 1.70 | - | |
| | | -1.0 | - | - | - | 5.05 | 4.09 | 3.43 | 2.95 | 2.59 | 2.29 | 2.05 | 1.85 | 1.69 | - |
| | -2.0 | - | - | 5.79b | 5.09 | 4.13 | 3.46 | 2.97 | 2.60 | 2.30 | 2.06 | 1.87 | - | - | |
| | -3.0 | - | - | - | 4.63b | 4.21 | 3.53 | 3.03 | 2.65 | 2.36 | - | - | - | - | |
| | -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |




| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
| PAGE | 3 of 24 |

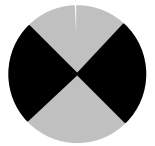
RATED LIFT CAPACITY CHART


RIS 1530

| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboam |

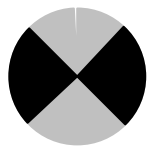
| Duty | Config | Sector | Osc Axle | Safety |
|------------|-------------|--------------------|---|------------|
| 1cU | ROAD | +/- 45° - +/- 135° |  | 75% |

| | | RADIUS | | | | | | | | | | | | | |
|--------|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 | |
| HEIGHT | 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | 7.0 | - | - | - | - | - | - | - | 2.16 | - | - | - | - | - | |
| | 6.0 | - | - | - | - | - | - | - | 2.17 | 1.85 | 1.57 | - | - | - | |
| | 5.0 | - | - | - | - | - | - | 2.45 | 2.09 | 1.80 | 1.55 | 1.33 | - | - | |
| | 4.0 | - | - | - | - | 3.09 | 2.63 | 2.26 | 1.96 | 1.70 | 1.48 | 1.28 | 1.11 | - | |
| | 3.0 | - | - | - | - | - | 2.32 | 2.04 | 1.79 | 1.57 | 1.38 | 1.21 | 1.06 | 0.92 | |
| | 2.0 | - | - | - | - | - | - | 1.83 | 1.63 | 1.45 | 1.28 | 1.14 | 1.01 | 0.89 | |
| | 1.0 | - | - | - | - | - | 1.91 | 1.69 | 1.51 | 1.34 | 1.20 | 1.07 | 0.95 | 0.85 | |
| | 0.0 | - | - | - | - | - | 1.86 | 1.62 | 1.43 | 1.28 | 1.14 | 1.02 | 0.92 | - | |
| | -1.0 | - | - | - | 2.67 | 2.18 | 1.85 | 1.60 | 1.41 | 1.25 | 1.11 | 1.00 | 0.91 | - | |
| | -2.0 | - | - | 3.41 | 2.70 | 2.22 | 1.87 | 1.62 | 1.41 | 1.25 | 1.12 | 1.02 | - | - | |
| | -3.0 | - | - | - | 2.78 | 2.29 | 1.94 | 1.67 | 1.46 | 1.31 | - | - | - | - | |
| | -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|-------------|--------------------|---|------------|
| 1cL | ROAD | +/- 45° - +/- 135° |  | 75% |

| | | RADIUS | | | | | | | | | | | | | |
|--------|------|--------|------|-------|-------|------|------|------|------|------|------|------|------|------|--|
| | | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 | |
| HEIGHT | 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | 7.0 | - | - | - | - | - | - | - | 3.37 | - | - | - | - | - | |
| | 6.0 | - | - | - | - | - | - | - | 3.38 | 2.91 | 2.51 | - | - | - | |
| | 5.0 | - | - | - | - | - | - | 3.85 | 3.30 | 2.85 | 2.49 | 2.17 | - | - | |
| | 4.0 | - | - | - | - | 5.07 | 4.26 | 3.64 | 3.15 | 2.74 | 2.41 | 2.12 | 1.87 | - | |
| | 3.0 | - | - | - | - | - | 3.90 | 3.39 | 2.96 | 2.60 | 2.30 | 2.05 | 1.82 | 1.61 | |
| | 2.0 | - | - | - | - | - | - | 3.15 | 2.78 | 2.47 | 2.20 | 1.96 | 1.76 | 1.57 | |
| | 1.0 | - | - | - | - | - | 3.43 | 3.00 | 2.65 | 2.35 | 2.10 | 1.89 | 1.70 | 1.54 | |
| | 0.0 | - | - | - | - | - | 3.37 | 2.92 | 2.57 | 2.28 | 2.04 | 1.84 | 1.66 | - | |
| | -1.0 | - | - | - | 4.95 | 4.01 | 3.37 | 2.90 | 2.54 | 2.25 | 2.01 | 1.81 | 1.65 | - | |
| | -2.0 | - | - | 5.79b | 5.00 | 4.05 | 3.39 | 2.91 | 2.54 | 2.25 | 2.02 | 1.83 | - | - | |
| | -3.0 | - | - | - | 4.63b | 4.13 | 3.46 | 2.97 | 2.60 | 2.31 | - | - | - | - | |
| | -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |




| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
| PAGE | 4 of 24 |

RATED LIFT CAPACITY CHART

RIS 1530


| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboom |

| Duty | Config | Sector | Osc Axle | Safety |
|------------|-------------|---------------------------------------|---|------------|
| 1dU | ROAD | +/- 135° - +/- 150° Over Fixed End |  | 75% |

RADIUS

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 4.89a | - | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 5.10 | 4.48 | 3.96 | - | - | - |
| 5.0 | - | - | - | - | - | - | 5.75 | 5.02 | 4.43 | 3.94 | 3.51 | - | - |
| 4.0 | - | - | - | - | 7.49 | 6.40 | 5.55 | 4.88 | 4.32 | 3.86 | 3.47 | 3.12 | - |
| 3.0 | - | - | - | - | 6.06 | 5.31 | 4.70 | 4.19 | 3.76 | 3.39 | 3.07 | 2.79 | - |
| 2.0 | - | - | - | - | - | - | 5.09 | 4.53 | 4.06 | 3.66 | 3.31 | 3.01 | 2.75 |
| 1.0 | - | - | - | - | - | 5.61 | 4.94 | 4.40 | 3.95 | 3.57 | 3.24 | 2.96 | 2.71 |
| 0.0 | - | - | - | - | - | 5.56 | 4.87 | 4.32 | 3.88 | 3.51 | 3.19 | 2.92 | - |
| -1.0 | - | - | - | 7.37b | 6.50 | 5.55 | 4.85 | 4.29 | 3.85 | 3.48 | 3.17 | 2.91 | - |
| -2.0 | - | - | 5.79b | 6.35b | 6.40b | 5.58 | 4.86 | 4.30 | 3.85 | 3.49 | 3.19 | - | - |
| -3.0 | - | - | - | 4.63b | 4.74b | 4.62b | 4.35b | 3.97b | 3.43b | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|-------------|---------------------------------------|---|------------|
| 1dL | ROAD | +/- 135° - +/- 150° Over Fixed End |  | 75% |

RADIUS

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 4.89a | - | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 5.10 | 4.48 | 3.96 | - | - | - |
| 5.0 | - | - | - | - | - | - | 5.75 | 5.02 | 4.43 | 3.94 | 3.51 | - | - |
| 4.0 | - | - | - | - | 7.49 | 6.40 | 5.55 | 4.88 | 4.32 | 3.86 | 3.47 | 3.12 | - |
| 3.0 | - | - | - | - | 6.06 | 5.31 | 4.70 | 4.19 | 3.76 | 3.39 | 3.07 | 2.79 | - |
| 2.0 | - | - | - | - | - | - | 5.09 | 4.53 | 4.06 | 3.66 | 3.31 | 3.01 | 2.75 |
| 1.0 | - | - | - | - | - | 5.61 | 4.94 | 4.40 | 3.95 | 3.57 | 3.24 | 2.96 | 2.71 |
| 0.0 | - | - | - | - | - | 5.56 | 4.87 | 4.32 | 3.88 | 3.51 | 3.19 | 2.92 | - |
| -1.0 | - | - | - | 7.37b | 6.50 | 5.55 | 4.85 | 4.29 | 3.85 | 3.48 | 3.17 | 2.91 | - |
| -2.0 | - | - | 5.79b | 6.35b | 6.40b | 5.58 | 4.86 | 4.30 | 3.85 | 3.49 | 3.19 | - | - |
| -3.0 | - | - | - | 4.63b | 4.74b | 4.62b | 4.35b | 3.97b | 3.43b | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |




| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
| PAGE | 5 of 24 |

RATED LIFT CAPACITY CHART

RIS 1530


| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboom |

| Duty | Config | Sector | Osc Axle | Safety |
|------------|-------------|---------------------------------------|---|------------|
| 1eU | ROAD | +/- 150° - +/- 160° Over Fixed End |  | 75% |

RADIUS

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 4.89a | - | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 5.10 | 4.48 | 3.96 | - | - | - |
| 5.0 | - | - | - | - | - | - | 5.75 | 5.02 | 4.43 | 3.94 | 3.51 | - | - |
| 4.0 | - | - | - | - | 7.49 | 6.40 | 5.55 | 4.88 | 4.32 | 3.86 | 3.47 | 3.12 | - |
| 3.0 | - | - | - | - | 6.06 | 5.31 | 4.70 | 4.19 | 3.76 | 3.39 | 3.07 | 2.79 | - |
| 2.0 | - | - | - | - | - | - | 5.09 | 4.53 | 4.06 | 3.66 | 3.31 | 3.01 | 2.75 |
| 1.0 | - | - | - | - | - | 5.61 | 4.94 | 4.40 | 3.95 | 3.57 | 3.24 | 2.96 | 2.71 |
| 0.0 | - | - | - | - | - | 5.56 | 4.87 | 4.32 | 3.88 | 3.51 | 3.19 | 2.92 | - |
| -1.0 | - | - | - | 7.37b | 6.50 | 5.55 | 4.85 | 4.29 | 3.85 | 3.48 | 3.17 | 2.91 | - |
| -2.0 | - | - | 5.79b | 6.35b | 6.40b | 5.58 | 4.86 | 4.30 | 3.85 | 3.49 | 3.19 | - | - |
| -3.0 | - | - | - | 4.63b | 4.74b | 4.62b | 4.35b | 3.97b | 3.43b | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|-------------|---------------------------------------|---|------------|
| 1eL | ROAD | +/- 150° - +/- 160° Over Fixed End |  | 75% |

RADIUS

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 4.89a | - | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 5.10 | 4.48 | 3.96 | - | - | - |
| 5.0 | - | - | - | - | - | - | 5.75 | 5.02 | 4.43 | 3.94 | 3.51 | - | - |
| 4.0 | - | - | - | - | 7.49 | 6.40 | 5.55 | 4.88 | 4.32 | 3.86 | 3.47 | 3.12 | - |
| 3.0 | - | - | - | - | 6.06 | 5.31 | 4.70 | 4.19 | 3.76 | 3.39 | 3.07 | 2.79 | - |
| 2.0 | - | - | - | - | - | - | 5.09 | 4.53 | 4.06 | 3.66 | 3.31 | 3.01 | 2.75 |
| 1.0 | - | - | - | - | - | 5.61 | 4.94 | 4.40 | 3.95 | 3.57 | 3.24 | 2.96 | 2.71 |
| 0.0 | - | - | - | - | - | 5.56 | 4.87 | 4.32 | 3.88 | 3.51 | 3.19 | 2.92 | - |
| -1.0 | - | - | - | 7.37b | 6.50 | 5.55 | 4.85 | 4.29 | 3.85 | 3.48 | 3.17 | 2.91 | - |
| -2.0 | - | - | 5.79b | 6.35b | 6.40b | 5.58 | 4.86 | 4.30 | 3.85 | 3.49 | 3.19 | - | - |
| -3.0 | - | - | - | 4.63b | 4.74b | 4.62b | 4.35b | 3.97b | 3.43b | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |




| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
| PAGE | 6 of 24 |

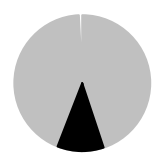
RATED LIFT CAPACITY CHART


RIS 1530

| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboom |

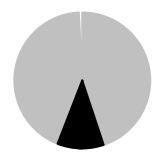
| Duty | Config | Sector | Osc Axle | Safety |
|------------|-------------|---------------------------|---|------------|
| 1fU | ROAD | +/- 20° Over Fixed End |  | 75% |

| | | RADIUS | | | | | | | | | | | | | |
|--------|------|--------|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|--|
| | | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 | |
| HEIGHT | 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | 7.0 | - | - | - | - | - | - | - | 4.89a | - | - | - | - | - | |
| | 6.0 | - | - | - | - | - | - | - | 5.10 | 4.48 | 3.96 | - | - | - | |
| | 5.0 | - | - | - | - | - | - | 5.75 | 5.02 | 4.43 | 3.94 | 3.51 | - | - | |
| | 4.0 | - | - | - | - | 7.49 | 6.40 | 5.55 | 4.88 | 4.32 | 3.86 | 3.47 | 3.12 | - | |
| | 3.0 | - | - | - | - | 6.06 | 5.31 | 4.70 | 4.19 | 3.76 | 3.39 | 3.07 | 2.79 | - | |
| | 2.0 | - | - | - | - | - | - | 5.09 | 4.53 | 4.06 | 3.66 | 3.31 | 3.01 | 2.75 | |
| | 1.0 | - | - | - | - | - | 5.61 | 4.94 | 4.40 | 3.95 | 3.57 | 3.24 | 2.96 | 2.71 | |
| | 0.0 | - | - | - | - | - | 5.56 | 4.87 | 4.32 | 3.88 | 3.51 | 3.19 | 2.92 | - | |
| | -1.0 | - | - | - | 7.37b | 6.50 | 5.55 | 4.85 | 4.29 | 3.85 | 3.48 | 3.17 | 2.91 | - | |
| | -2.0 | - | - | 5.79b | 6.35b | 6.40b | 5.58 | 4.86 | 4.30 | 3.85 | 3.49 | 3.19 | - | - | |
| | -3.0 | - | - | - | 4.63b | 4.74b | 4.62b | 4.35b | 3.97b | 3.43b | - | - | - | - | |
| | -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|-------------|---------------------------|---|------------|
| 1fL | ROAD | +/- 20° Over Fixed End |  | 75% |

| | | RADIUS | | | | | | | | | | | | | |
|--------|------|--------|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|--|
| | | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 | |
| HEIGHT | 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | 7.0 | - | - | - | - | - | - | - | 4.89a | - | - | - | - | - | |
| | 6.0 | - | - | - | - | - | - | - | 5.10 | 4.48 | 3.96 | - | - | - | |
| | 5.0 | - | - | - | - | - | - | 5.75 | 5.02 | 4.43 | 3.94 | 3.51 | - | - | |
| | 4.0 | - | - | - | - | 7.49 | 6.40 | 5.55 | 4.88 | 4.32 | 3.86 | 3.47 | 3.12 | - | |
| | 3.0 | - | - | - | - | 6.06 | 5.31 | 4.70 | 4.19 | 3.76 | 3.39 | 3.07 | 2.79 | - | |
| | 2.0 | - | - | - | - | - | - | 5.09 | 4.53 | 4.06 | 3.66 | 3.31 | 3.01 | 2.75 | |
| | 1.0 | - | - | - | - | - | 5.61 | 4.94 | 4.40 | 3.95 | 3.57 | 3.24 | 2.96 | 2.71 | |
| | 0.0 | - | - | - | - | - | 5.56 | 4.87 | 4.32 | 3.88 | 3.51 | 3.19 | 2.92 | - | |
| | -1.0 | - | - | - | 7.37b | 6.50 | 5.55 | 4.85 | 4.29 | 3.85 | 3.48 | 3.17 | 2.91 | - | |
| | -2.0 | - | - | 5.79b | 6.35b | 6.40b | 5.58 | 4.86 | 4.30 | 3.85 | 3.49 | 3.19 | - | - | |
| | -3.0 | - | - | - | 4.63b | 4.74b | 4.62b | 4.35b | 3.97b | 3.43b | - | - | - | - | |
| | -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |





| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
| PAGE | 7 of 24 |

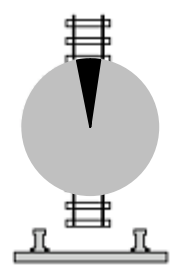
RATED LIFT CAPACITY CHART



RIS 1530

| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboam |

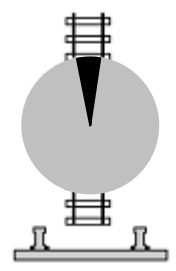
| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|---------------------------------|---|------------|
| 2aU | RAIL | +/- 10° Over Osc End |  | 67% |
| |  | | | |
| | 0 - 50mm | | | |

| | | RADIUS | | | | | | | | | | | | | |
|--------|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| | | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 | |
| HEIGHT | 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | 7.0 | - | - | - | - | - | - | - | 3.05 | 2.64 | - | - | - | - | |
| | 6.0 | - | - | - | - | - | - | - | 3.04 | 2.67 | 2.34 | - | - | - | |
| | 5.0 | - | - | - | - | - | - | 3.38 | 2.96 | 2.61 | 2.31 | 2.05 | - | - | |
| | 4.0 | - | - | - | - | 4.23 | 3.67 | 3.21 | 2.83 | 2.52 | 2.24 | 2.01 | 1.80 | - | |
| | 3.0 | - | - | - | - | - | 3.39 | 3.01 | 2.69 | 2.40 | 2.16 | 1.94 | 1.75 | 1.58 | |
| | 2.0 | - | - | - | - | - | - | 2.84 | 2.55 | 2.30 | 2.07 | 1.88 | 1.70 | 1.55 | |
| | 1.0 | - | - | - | - | - | 3.08 | 2.74 | 2.45 | 2.21 | 2.00 | 1.82 | 1.66 | 1.52 | |
| | 0.0 | - | - | - | - | 3.52 | 3.05 | 2.69 | 2.40 | 2.16 | 1.96 | 1.78 | 1.63 | - | |
| | -1.0 | - | - | 5.19 | 4.20 | 3.53 | 3.05 | 2.68 | 2.38 | 2.14 | 1.94 | 1.77 | - | - | |
| | -2.0 | - | - | 5.20 | 4.24 | 3.57 | 3.07 | 2.69 | 2.40 | 2.15 | 1.95 | - | - | - | |
| -3.0 | - | - | - | - | 3.64 | 3.14 | 2.75 | 2.45 | 2.22 | - | - | - | - | | |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | | |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|---------------------------------|---|------------|
| 2aL | RAIL | +/- 10° Over Osc End |  | 75% |
| |  | | | |
| | 0 - 50mm | | | |

| | | RADIUS | | | | | | | | | | | | | |
|--------|------|--------|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|--|
| | | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 | |
| HEIGHT | 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | 7.0 | - | - | - | - | - | - | - | 4.99 | 3.73a | - | - | - | - | |
| | 6.0 | - | - | - | - | - | - | - | 4.98 | 4.38 | 3.87 | - | - | - | |
| | 5.0 | - | - | - | - | - | - | 5.59 | 4.88 | 4.31 | 3.83 | 3.42 | - | - | |
| | 4.0 | - | - | - | - | 7.22 | 6.19 | 5.38 | 4.73 | 4.20 | 3.75 | 3.37 | 3.04 | - | |
| | 3.0 | - | - | - | - | - | 5.84 | 5.14 | 4.55 | 4.06 | 3.65 | 3.29 | 2.98 | 2.71 | |
| | 2.0 | - | - | - | - | - | - | 4.93 | 4.39 | 3.93 | 3.54 | 3.21 | 2.92 | 2.67 | |
| | 1.0 | - | - | - | - | - | 5.46 | 4.80 | 4.27 | 3.83 | 3.46 | 3.15 | 2.87 | 2.63 | |
| | 0.0 | - | - | - | - | 6.32 | 5.41 | 4.74 | 4.20 | 3.77 | 3.41 | 3.10 | 2.84 | - | |
| | -1.0 | - | - | 6.09b | 7.22b | 6.34 | 5.41 | 4.72 | 4.18 | 3.74 | 3.39 | 3.09 | - | - | |
| | -2.0 | - | - | 5.54b | 6.04b | 6.10b | 5.45 | 4.74 | 4.20 | 3.76 | 3.40 | - | - | - | |
| -3.0 | - | - | - | - | 4.31b | 4.21b | 3.96b | 3.56b | 2.93b | - | - | - | - | | |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | | |





| | |
|--------------|---|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. |
| | Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
| PAGE | 8 of 24 |

RATED LIFT CAPACITY CHART

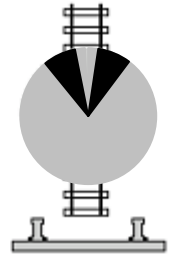
RIS 1530



| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboam |

| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|---|---|------------|
| 2bU | RAIL | $\pm 10^\circ - \pm 40^\circ$ Over Osc End |  | 67% |
| |  | | | |
| | 0 - 50mm | | | |

RADIUS

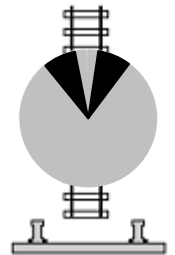
| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 2.03 | 1.73 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 2.02 | 1.75 | 1.51 | - | - | - |
| 5.0 | - | - | - | - | - | - | 2.24 | 1.95 | 1.70 | 1.49 | 1.30 | - | - |
| 4.0 | - | - | - | - | 2.73 | 2.38 | 2.08 | 1.83 | 1.61 | 1.42 | 1.26 | 1.10 | - |
| 3.0 | - | - | - | - | - | 2.12 | 1.89 | 1.69 | 1.50 | 1.34 | 1.19 | 1.06 | 0.94 |
| 2.0 | - | - | - | - | - | - | 1.73 | 1.56 | 1.40 | 1.26 | 1.13 | 1.01 | 0.91 |
| 1.0 | - | - | - | - | - | 1.83 | 1.63 | 1.47 | 1.32 | 1.19 | 1.08 | 0.97 | 0.88 |
| 0.0 | - | - | - | - | 2.07 | 1.79 | 1.59 | 1.42 | 1.27 | 1.15 | 1.04 | 0.94 | - |
| -1.0 | - | - | 3.07 | 2.48 | 2.08 | 1.79 | 1.57 | 1.40 | 1.25 | 1.13 | 1.03 | - | - |
| -2.0 | - | - | 3.08 | 2.52 | 2.12 | 1.82 | 1.59 | 1.41 | 1.26 | 1.15 | - | - | - |
| -3.0 | - | - | - | - | 2.18 | 1.88 | 1.64 | 1.46 | 1.32 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|---|---|------------|
| 2bL | RAIL | $\pm 10^\circ - \pm 40^\circ$ Over Osc End |  | 90% |
| |  | | | |
| | 0 - 50mm | | | |

RADIUS

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|-------|------|-------|------|------|------|------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 3.69 | 3.13 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 3.67 | 3.16 | 2.73 | - | - | - |
| 5.0 | - | - | - | - | - | - | 4.13 | 3.55 | 3.08 | 2.69 | 2.31 | - | - |
| 4.0 | - | - | - | - | 5.30 | 4.51 | 3.88 | 3.37 | 2.94 | 2.58 | 2.24 | 1.94 | - |
| 3.0 | - | - | - | - | - | 4.09 | 3.58 | 3.15 | 2.78 | 2.44 | 2.13 | 1.87 | 1.62 |
| 2.0 | - | - | - | - | - | - | 3.33 | 2.95 | 2.61 | 2.30 | 2.03 | 1.79 | 1.57 |
| 1.0 | - | - | - | - | - | 3.62 | 3.17 | 2.81 | 2.48 | 2.19 | 1.94 | 1.72 | 1.52 |
| 0.0 | - | - | - | - | 4.21 | 3.57 | 3.10 | 2.73 | 2.40 | 2.12 | 1.88 | 1.67 | - |
| -1.0 | - | - | 6.09b | 5.19 | 4.23 | 3.57 | 3.08 | 2.70 | 2.36 | 2.09 | 1.86 | - | - |
| -2.0 | - | - | 5.54b | 5.25 | 4.29 | 3.61 | 3.11 | 2.72 | 2.38 | 2.11 | - | - | - |
| -3.0 | - | - | - | - | 4.31b | 3.70 | 3.19 | 2.80 | 2.48 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |





| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
| PAGE | 9 of 24 |

RATED LIFT CAPACITY CHART

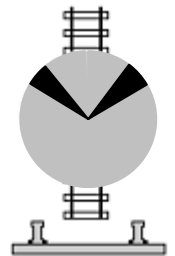
RIS 1530



| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboom |

| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|-----------------------------------|---|------------|
| 2cU | RAIL | +/- 40° - +/- 60° Over Osc End |  | 67% |
| |  | | | |
| | 0 - 50mm | | | |

RADIUS

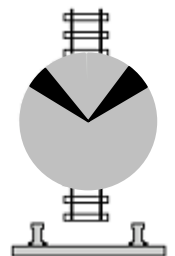
| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 1.80 | 1.52 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 1.79 | 1.54 | 1.32 | - | - | - |
| 5.0 | - | - | - | - | - | - | 1.99 | 1.72 | 1.49 | 1.29 | 1.12 | - | - |
| 4.0 | - | - | - | - | 2.41 | 2.10 | 1.83 | 1.60 | 1.40 | 1.23 | 1.08 | 0.94 | - |
| 3.0 | - | - | - | - | - | 1.84 | 1.64 | 1.46 | 1.29 | 1.14 | 1.01 | 0.89 | 0.78 |
| 2.0 | - | - | - | - | - | - | 1.48 | 1.33 | 1.19 | 1.06 | 0.95 | 0.85 | 0.75 |
| 1.0 | - | - | - | - | - | 1.54 | 1.38 | 1.24 | 1.11 | 1.00 | 0.90 | 0.80 | 0.72 |
| 0.0 | - | - | - | - | 1.75 | 1.51 | 1.33 | 1.19 | 1.06 | 0.95 | 0.86 | 0.78 | - |
| -1.0 | - | - | 2.64 | 2.12 | 1.76 | 1.51 | 1.32 | 1.17 | 1.04 | 0.94 | 0.85 | - | - |
| -2.0 | - | - | 2.65 | 2.15 | 1.80 | 1.54 | 1.34 | 1.18 | 1.05 | 0.95 | - | - | - |
| -3.0 | - | - | - | - | 1.86 | 1.60 | 1.39 | 1.23 | 1.11 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|-----------------------------------|---|------------|
| 2cL | RAIL | +/- 40° - +/- 60° Over Osc End |  | 90% |
| |  | | | |
| | 0 - 50mm | | | |

RADIUS

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|-------|------|------|------|------|------|------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 3.27 | 2.77 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 3.26 | 2.80 | 2.38 | - | - | - |
| 5.0 | - | - | - | - | - | - | 3.66 | 3.14 | 2.72 | 2.34 | 2.00 | - | - |
| 4.0 | - | - | - | - | 4.63 | 3.95 | 3.41 | 2.96 | 2.58 | 2.23 | 1.92 | 1.65 | - |
| 3.0 | - | - | - | - | - | 3.55 | 3.12 | 2.75 | 2.40 | 2.09 | 1.82 | 1.58 | 1.36 |
| 2.0 | - | - | - | - | - | - | 2.88 | 2.54 | 2.23 | 1.96 | 1.72 | 1.51 | 1.31 |
| 1.0 | - | - | - | - | - | 3.10 | 2.73 | 2.39 | 2.10 | 1.85 | 1.63 | 1.44 | 1.26 |
| 0.0 | - | - | - | - | 3.58 | 3.05 | 2.65 | 2.30 | 2.02 | 1.78 | 1.57 | 1.39 | - |
| -1.0 | - | - | 5.62 | 4.40 | 3.60 | 3.05 | 2.63 | 2.27 | 1.99 | 1.75 | 1.55 | - | - |
| -2.0 | - | - | 5.54b | 4.45 | 3.66 | 3.09 | 2.66 | 2.29 | 2.01 | 1.77 | - | - | - |
| -3.0 | - | - | - | - | 3.76 | 3.18 | 2.74 | 2.38 | 2.10 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |





| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
| PAGE | 10 of 24 |

RATED LIFT CAPACITY CHART

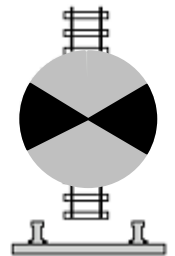
RIS 1530



| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboom |

| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|--------------------------------|---|------------|
| 2dU | RAIL | $\pm 60^\circ - \pm 120^\circ$ |  | 67% |
| |  | | | |
| | 0 - 50mm | | | |

RADIUS

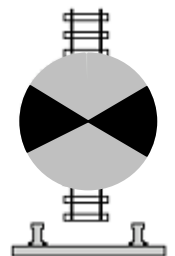
| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 1.54 | 1.27 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 1.53 | 1.29 | 1.08 | - | - | - |
| 5.0 | - | - | - | - | - | - | 1.71 | 1.45 | 1.24 | 1.05 | 0.89 | - | - |
| 4.0 | - | - | - | - | 2.08 | 1.79 | 1.54 | 1.33 | 1.14 | 0.99 | 0.85 | 0.72 | - |
| 3.0 | - | - | - | - | - | 1.52 | 1.34 | 1.18 | 1.03 | 0.90 | 0.78 | 0.68 | 0.55 |
| 2.0 | - | - | - | - | - | - | 1.17 | 1.05 | 0.93 | 0.82 | 0.72 | 0.63 | 0.51 |
| 1.0 | - | - | - | - | - | 1.21 | 1.07 | 0.95 | 0.84 | 0.75 | 0.66 | 0.57 | 0.46 |
| 0.0 | - | - | - | - | 1.38 | 1.17 | 1.02 | 0.90 | 0.79 | 0.70 | 0.62 | 0.53 | - |
| -1.0 | - | - | 2.21 | 1.72 | 1.40 | 1.17 | 1.01 | 0.88 | 0.77 | 0.68 | 0.61 | - | - |
| -2.0 | - | - | 2.23 | 1.76 | 1.43 | 1.20 | 1.03 | 0.89 | 0.78 | 0.70 | - | - | - |
| -3.0 | - | - | - | - | 1.50 | 1.26 | 1.08 | 0.95 | 0.85 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|--------------------------------|---|------------|
| 2dL | RAIL | $\pm 60^\circ - \pm 120^\circ$ |  | 90% |
| |  | | | |
| | 0 - 50mm | | | |

RADIUS

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 2.87 | 2.37 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 2.85 | 2.40 | 2.01 | - | - | - |
| 5.0 | - | - | - | - | - | - | 3.20 | 2.74 | 2.32 | 1.96 | 1.65 | - | - |
| 4.0 | - | - | - | - | 4.03 | 3.44 | 2.95 | 2.54 | 2.17 | 1.85 | 1.58 | 1.33 | - |
| 3.0 | - | - | - | - | - | 3.04 | 2.67 | 2.30 | 1.99 | 1.72 | 1.48 | 1.26 | 1.07 |
| 2.0 | - | - | - | - | - | - | 2.39 | 2.09 | 1.82 | 1.58 | 1.37 | 1.19 | 1.01 |
| 1.0 | - | - | - | - | - | 2.57 | 2.22 | 1.94 | 1.69 | 1.47 | 1.29 | 1.12 | 0.97 |
| 0.0 | - | - | - | - | 2.99 | 2.51 | 2.14 | 1.85 | 1.61 | 1.40 | 1.23 | 1.07 | - |
| -1.0 | - | - | 4.77 | 3.70 | 3.01 | 2.51 | 2.12 | 1.82 | 1.58 | 1.37 | 1.21 | - | - |
| -2.0 | - | - | 4.79 | 3.76 | 3.06 | 2.56 | 2.15 | 1.84 | 1.60 | 1.40 | - | - | - |
| -3.0 | - | - | - | - | 3.17 | 2.66 | 2.24 | 1.93 | 1.69 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |





| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
| PAGE | 11 of 24 |

RATED LIFT CAPACITY CHART

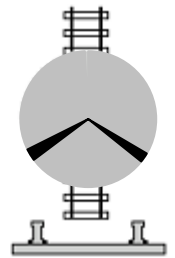
RIS 1530



| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboam |

| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|---------------------------------------|---|------------|
| 2eU | RAIL | +/- 120° - +/- 130° Over Fixed End |  | 67% |
| |  | | | |
| | 0 - 50mm | | | |

RADIUS

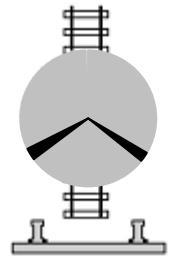
| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 1.92 | 1.63 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 1.91 | 1.65 | 1.43 | - | - | - |
| 5.0 | - | - | - | - | - | - | 2.11 | 1.84 | 1.60 | 1.40 | 1.22 | - | - |
| 4.0 | - | - | - | - | 2.56 | 2.23 | 1.96 | 1.72 | 1.52 | 1.34 | 1.18 | 1.04 | - |
| 3.0 | - | - | - | - | - | 1.98 | 1.77 | 1.58 | 1.41 | 1.26 | 1.12 | 0.99 | 0.88 |
| 2.0 | - | - | - | - | - | - | 1.62 | 1.46 | 1.31 | 1.18 | 1.06 | 0.95 | 0.84 |
| 1.0 | - | - | - | - | - | 1.70 | 1.52 | 1.37 | 1.23 | 1.11 | 1.00 | 0.90 | 0.81 |
| 0.0 | - | - | - | - | 1.92 | 1.66 | 1.47 | 1.32 | 1.18 | 1.07 | 0.97 | 0.88 | - |
| -1.0 | - | - | 2.83 | 2.30 | 1.93 | 1.67 | 1.46 | 1.30 | 1.17 | 1.05 | 0.96 | - | - |
| -2.0 | - | - | 2.84 | 2.33 | 1.96 | 1.69 | 1.48 | 1.31 | 1.18 | 1.07 | - | - | - |
| -3.0 | - | - | - | - | 2.03 | 1.75 | 1.53 | 1.36 | 1.23 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|---------------------------------------|---|------------|
| 2eL | RAIL | +/- 120° - +/- 130° Over Fixed End |  | 75% |
| |  | | | |
| | 0 - 50mm | | | |

RADIUS

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|-------|------|-------|------|------|------|------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 3.82 | 3.31 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 3.81 | 3.33 | 2.93 | - | - | - |
| 5.0 | - | - | - | - | - | - | 4.26 | 3.72 | 3.27 | 2.90 | 2.57 | - | - |
| 4.0 | - | - | - | - | 5.40 | 4.66 | 4.06 | 3.57 | 3.16 | 2.82 | 2.52 | 2.26 | - |
| 3.0 | - | - | - | - | - | 4.33 | 3.82 | 3.39 | 3.03 | 2.72 | 2.45 | 2.21 | 1.99 |
| 2.0 | - | - | - | - | - | - | 3.62 | 3.24 | 2.91 | 2.62 | 2.37 | 2.15 | 1.95 |
| 1.0 | - | - | - | - | - | 3.96 | 3.50 | 3.13 | 2.81 | 2.54 | 2.31 | 2.10 | 1.92 |
| 0.0 | - | - | - | - | 4.55 | 3.92 | 3.44 | 3.06 | 2.75 | 2.49 | 2.26 | 2.07 | - |
| -1.0 | - | - | 6.09b | 5.48 | 4.57 | 3.92 | 3.43 | 3.04 | 2.73 | 2.47 | 2.25 | - | - |
| -2.0 | - | - | 5.54b | 5.53 | 4.61 | 3.95 | 3.45 | 3.06 | 2.74 | 2.48 | - | - | - |
| -3.0 | - | - | - | - | 4.31b | 4.02 | 3.51 | 3.12 | 2.81 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |





| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
| PAGE | 12 of 24 |

RATED LIFT CAPACITY CHART

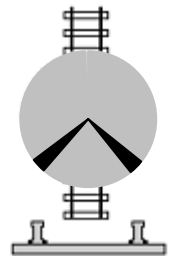
RIS 1530



| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboam |

| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|---|---|------------|
| 2fU | RAIL | $\pm 130^\circ - \pm 140^\circ$ Over Fixed End |  | 67% |
| |  | | | |
| | 0 - 50mm | | | |

RADIUS

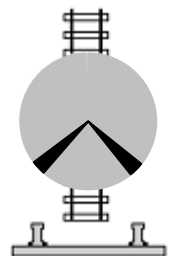
| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 2.15 | 1.84 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 2.14 | 1.86 | 1.62 | - | - | - |
| 5.0 | - | - | - | - | - | - | 2.37 | 2.07 | 1.81 | 1.60 | 1.40 | - | - |
| 4.0 | - | - | - | - | 2.87 | 2.51 | 2.21 | 1.95 | 1.72 | 1.53 | 1.36 | 1.20 | - |
| 3.0 | - | - | - | - | - | 2.26 | 2.03 | 1.81 | 1.62 | 1.45 | 1.30 | 1.16 | 1.03 |
| 2.0 | - | - | - | - | - | - | 1.87 | 1.69 | 1.52 | 1.37 | 1.24 | 1.11 | 1.00 |
| 1.0 | - | - | - | - | - | 1.98 | 1.77 | 1.60 | 1.44 | 1.31 | 1.18 | 1.07 | 0.97 |
| 0.0 | - | - | - | - | 2.23 | 1.94 | 1.72 | 1.55 | 1.39 | 1.26 | 1.15 | 1.05 | - |
| -1.0 | - | - | 3.25 | 2.65 | 2.25 | 1.95 | 1.71 | 1.53 | 1.37 | 1.25 | 1.13 | - | - |
| -2.0 | - | - | 3.26 | 2.69 | 2.28 | 1.97 | 1.73 | 1.54 | 1.39 | 1.26 | - | - | - |
| -3.0 | - | - | - | - | 2.34 | 2.03 | 1.78 | 1.59 | 1.44 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|---|---|------------|
| 2fL | RAIL | $\pm 130^\circ - \pm 140^\circ$ Over Fixed End |  | 75% |
| |  | | | |
| | 0 - 50mm | | | |

RADIUS

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|-------|-------|-------|-------|------|------|-------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 4.20 | 3.65 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 4.19 | 3.68 | 3.25 | - | - | - |
| 5.0 | - | - | - | - | - | - | 4.68 | 4.09 | 3.61 | 3.21 | 2.86 | - | - |
| 4.0 | - | - | - | - | 5.94 | 5.13 | 4.48 | 3.95 | 3.50 | 3.13 | 2.81 | 2.53 | - |
| 3.0 | - | - | - | - | - | 4.80 | 4.25 | 3.77 | 3.37 | 3.03 | 2.74 | 2.48 | 2.24 |
| 2.0 | - | - | - | - | - | - | 4.05 | 3.62 | 3.25 | 2.93 | 2.66 | 2.42 | 2.20 |
| 1.0 | - | - | - | - | - | 4.43 | 3.92 | 3.50 | 3.15 | 2.85 | 2.60 | 2.37 | 2.17 |
| 0.0 | - | - | - | - | 5.10 | 4.39 | 3.86 | 3.44 | 3.09 | 2.80 | 2.55 | 2.34 | - |
| -1.0 | - | - | 6.09b | 6.12 | 5.12 | 4.39 | 3.85 | 3.42 | 3.07 | 2.78 | 2.54 | - | - |
| -2.0 | - | - | 5.54b | 6.04b | 5.16 | 4.43 | 3.87 | 3.43 | 3.08 | 2.80 | - | - | - |
| -3.0 | - | - | - | - | 4.31b | 4.21b | 3.94 | 3.50 | 2.93b | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |





| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
| PAGE | 13 of 24 |

RATED LIFT CAPACITY CHART

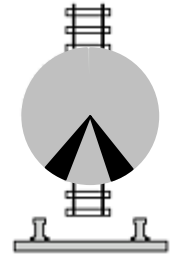
RIS 1530



| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboam |

| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|---------------------------------------|---|------------|
| 2gU | RAIL | +/- 140° - +/- 160° Over Fixed End |  | 67% |
| |  | | | |
| | 0 - 50mm | | | |

RADIUS

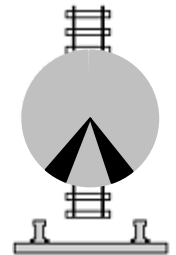
| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 2.56 | 2.22 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 2.55 | 2.24 | 1.97 | - | - | - |
| 5.0 | - | - | - | - | - | - | 2.81 | 2.47 | 2.19 | 1.94 | 1.72 | - | - |
| 4.0 | - | - | - | - | 3.43 | 3.01 | 2.66 | 2.35 | 2.10 | 1.87 | 1.68 | 1.50 | - |
| 3.0 | - | - | - | - | - | 2.76 | 2.47 | 2.22 | 1.99 | 1.79 | 1.62 | 1.46 | 1.31 |
| 2.0 | - | - | - | - | - | - | 2.32 | 2.09 | 1.89 | 1.71 | 1.56 | 1.41 | 1.28 |
| 1.0 | - | - | - | - | - | 2.47 | 2.22 | 2.00 | 1.81 | 1.65 | 1.50 | 1.37 | 1.25 |
| 0.0 | - | - | - | - | 2.79 | 2.44 | 2.17 | 1.95 | 1.77 | 1.61 | 1.47 | 1.34 | - |
| -1.0 | - | - | 3.99 | 3.29 | 2.80 | 2.44 | 2.16 | 1.93 | 1.75 | 1.59 | 1.45 | - | - |
| -2.0 | - | - | 4.01 | 3.33 | 2.84 | 2.47 | 2.18 | 1.95 | 1.76 | 1.60 | - | - | - |
| -3.0 | - | - | - | - | 2.90 | 2.52 | 2.23 | 2.00 | 1.82 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|---------------------------------------|---|------------|
| 2gL | RAIL | +/- 140° - +/- 160° Over Fixed End |  | 75% |
| |  | | | |
| | 0 - 50mm | | | |

RADIUS

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 4.89 | 3.73a | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 4.88 | 4.30 | 3.80 | - | - | - |
| 5.0 | - | - | - | - | - | - | 5.46 | 4.78 | 4.23 | 3.77 | 3.37 | - | - |
| 4.0 | - | - | - | - | 7.00 | 6.03 | 5.26 | 4.63 | 4.12 | 3.69 | 3.32 | 2.99 | - |
| 3.0 | - | - | - | - | - | 5.69 | 5.02 | 4.46 | 3.99 | 3.59 | 3.24 | 2.94 | 2.67 |
| 2.0 | - | - | - | - | - | - | 4.82 | 4.30 | 3.86 | 3.49 | 3.16 | 2.88 | 2.63 |
| 1.0 | - | - | - | - | - | 5.31 | 4.69 | 4.18 | 3.76 | 3.40 | 3.10 | 2.83 | 2.60 |
| 0.0 | - | - | - | - | 6.13 | 5.27 | 4.63 | 4.12 | 3.70 | 3.35 | 3.05 | 2.80 | - |
| -1.0 | - | - | 6.09b | 7.22b | 6.15 | 5.27 | 4.61 | 4.09 | 3.68 | 3.33 | 3.04 | - | - |
| -2.0 | - | - | 5.54b | 6.04b | 6.10b | 5.31 | 4.64 | 4.11 | 3.69 | 3.35 | - | - | - |
| -3.0 | - | - | - | - | 4.31b | 4.21b | 3.96b | 3.56b | 2.93b | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |





| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
| PAGE | 14 of 24 |

RATED LIFT CAPACITY CHART

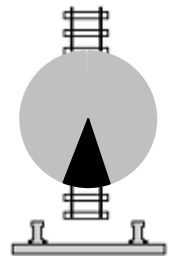
RIS 1530



| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboam |

| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|-----------------------------------|---|------------|
| 2hU | RAIL | +/- 20° Over Fixed End |  | 67% |
| |  | | | |
| | 0 - 50mm | | | |

RADIUS

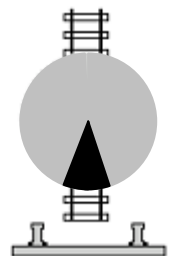
| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|--------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| HEIGHT | 8.0 | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 4.60 | 3.73a | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 4.58 | 4.05 | 3.60 | - | - | - |
| 5.0 | - | - | - | - | - | - | 5.12 | 4.50 | 3.99 | 3.57 | 3.20 | - | - |
| 4.0 | - | - | - | - | 6.52 | 5.64 | 4.94 | 4.37 | 3.90 | 3.50 | 3.16 | 2.86 | - |
| 3.0 | - | - | - | - | - | 5.35 | 4.73 | 4.21 | 3.78 | 3.41 | 3.09 | 2.81 | 2.56 |
| 2.0 | - | - | - | - | - | - | 4.55 | 4.07 | 3.67 | 3.32 | 3.02 | 2.76 | 2.53 |
| 1.0 | - | - | - | - | - | 5.02 | 4.44 | 3.97 | 3.58 | 3.25 | 2.96 | 2.72 | 2.50 |
| 0.0 | - | - | - | - | 5.77 | 4.99 | 4.39 | 3.92 | 3.53 | 3.20 | 2.93 | 2.69 | - |
| -1.0 | - | - | 6.09b | 6.89 | 5.79 | 4.99 | 4.38 | 3.90 | 3.51 | 3.18 | 2.91 | - | - |
| -2.0 | - | - | 5.54b | 6.04b | 5.83 | 5.01 | 4.40 | 3.91 | 3.52 | 3.20 | - | - | - |
| -3.0 | - | - | - | - | 4.31b | 4.21b | 3.96b | 3.56b | 2.93b | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|-----------------------------------|---|------------|
| 2hL | RAIL | +/- 20° Over Fixed End |  | 75% |
| |  | | | |
| | 0 - 50mm | | | |

RADIUS

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|--------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| HEIGHT | 8.0 | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 5.23 | 3.73a | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 5.22 | 4.61 | 4.10 | - | - | - |
| 5.0 | - | - | - | - | - | - | 5.83 | 5.13 | 4.55 | 4.07 | 3.65 | - | - |
| 4.0 | - | - | - | - | 7.43 | 6.43 | 5.63 | 4.98 | 4.44 | 3.99 | 3.60 | 3.26 | - |
| 3.0 | - | - | - | - | - | 6.10 | 5.39 | 4.80 | 4.31 | 3.89 | 3.53 | 3.21 | 2.93 |
| 2.0 | - | - | - | - | - | - | 5.19 | 4.65 | 4.19 | 3.79 | 3.45 | 3.15 | 2.89 |
| 1.0 | - | - | - | - | - | 5.73 | 5.07 | 4.53 | 4.09 | 3.71 | 3.38 | 3.10 | 2.85 |
| 0.0 | - | - | - | - | 6.59 | 5.69 | 5.01 | 4.47 | 4.03 | 3.66 | 3.34 | 3.07 | - |
| -1.0 | - | - | 6.09b | 7.22b | 6.60 | 5.69 | 5.00 | 4.45 | 4.01 | 3.64 | 3.33 | - | - |
| -2.0 | - | - | 5.54b | 6.04b | 6.10b | 5.72 | 5.02 | 4.47 | 4.02 | 3.65 | - | - | - |
| -3.0 | - | - | - | - | 4.31b | 4.21b | 3.96b | 3.56b | 2.93b | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |





| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
| PAGE | 15 of 24 |

RATED LIFT CAPACITY CHART

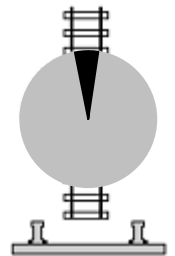
RIS 1530



| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboam |

| Duty | Config | Sector | Osc Axle | Safety |
|------------|--|---------------------------------|---|------------|
| 3aU | RAIL | +/- 10° Over Osc End |  | 67% |
| |  50 - 150mm | | | |

RADIUS

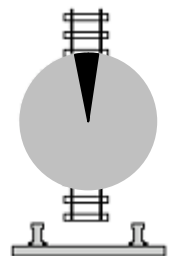
| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| HEIGHT | 8.0 | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 2.42 | 2.06 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 2.41 | 2.08 | 1.80 | - | - | - |
| 5.0 | - | - | - | - | - | - | 2.69 | 2.33 | 2.03 | 1.77 | 1.55 | - | - |
| 4.0 | - | - | - | - | 3.38 | 2.91 | 2.52 | 2.20 | 1.93 | 1.70 | 1.50 | 1.32 | - |
| 3.0 | - | - | - | - | - | 2.62 | 2.31 | 2.04 | 1.81 | 1.61 | 1.43 | 1.28 | 1.13 |
| 2.0 | - | - | - | - | - | - | 2.14 | 1.91 | 1.70 | 1.52 | 1.37 | 1.23 | 1.10 |
| 1.0 | - | - | - | - | - | 2.29 | 2.03 | 1.81 | 1.62 | 1.45 | 1.31 | 1.18 | 1.07 |
| 0.0 | - | - | - | - | 2.63 | 2.26 | 1.97 | 1.75 | 1.56 | 1.41 | 1.27 | 1.15 | - |
| -1.0 | - | - | 4.04 | 3.20 | 2.65 | 2.26 | 1.96 | 1.73 | 1.54 | 1.39 | 1.26 | - | - |
| -2.0 | - | - | 4.06 | 3.25 | 2.69 | 2.29 | 1.98 | 1.74 | 1.56 | 1.40 | - | - | - |
| -3.0 | - | - | - | - | 2.76 | 2.35 | 2.04 | 1.80 | 1.62 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|--|---------------------------------|---|------------|
| 3aL | RAIL | +/- 10° Over Osc End |  | 90% |
| |  50 - 150mm | | | |

RADIUS

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|--------|------|------|-------|-------|-------|-------|-------|------|-------|------|------|------|------|
| HEIGHT | 8.0 | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 4.43 | 3.73a | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 4.41 | 3.82 | 3.32 | - | - | - |
| 5.0 | - | - | - | - | - | - | 4.98 | 4.29 | 3.74 | 3.28 | 2.89 | - | - |
| 4.0 | - | - | - | - | 6.46 | 5.48 | 4.72 | 4.10 | 3.60 | 3.18 | 2.82 | 2.48 | - |
| 3.0 | - | - | - | - | - | 5.05 | 4.41 | 3.88 | 3.43 | 3.05 | 2.72 | 2.41 | 2.12 |
| 2.0 | - | - | - | - | - | - | 4.15 | 3.67 | 3.27 | 2.92 | 2.62 | 2.33 | 2.07 |
| 1.0 | - | - | - | - | - | 4.56 | 3.99 | 3.53 | 3.15 | 2.82 | 2.53 | 2.26 | 2.02 |
| 0.0 | - | - | - | - | 5.33 | 4.51 | 3.91 | 3.45 | 3.07 | 2.75 | 2.46 | 2.21 | - |
| -1.0 | - | - | 6.09b | 6.57 | 5.35 | 4.51 | 3.90 | 3.42 | 3.04 | 2.73 | 2.44 | - | - |
| -2.0 | - | - | 5.54b | 6.04b | 5.41 | 4.56 | 3.92 | 3.44 | 3.06 | 2.75 | - | - | - |
| -3.0 | - | - | - | - | 4.31b | 4.21b | 3.96b | 3.52 | 2.93b | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |



| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
| PAGE | 16 of 24 |

RATED LIFT CAPACITY CHART

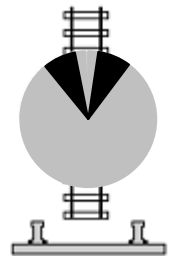
RIS 1530

| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboam |

| Duty | Config | Sector | Osc Axle | Safety |
|------------|-------------|-----------------------------------|----------|------------|
| 3bU | RAIL | +/- 10° - +/- 40° Over Osc End | | 67% |
| | | | | |
| | 50 - 150mm | | | |

RADIUS

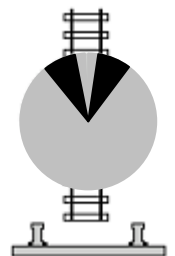
| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 1.71 | 1.44 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 1.70 | 1.46 | 1.25 | - | - | - |
| 5.0 | - | - | - | - | - | - | 1.88 | 1.62 | 1.41 | 1.22 | 1.06 | - | - |
| 4.0 | - | - | - | - | 2.27 | 1.97 | 1.72 | 1.51 | 1.32 | 1.16 | 1.01 | 0.88 | - |
| 3.0 | - | - | - | - | - | 1.72 | 1.54 | 1.37 | 1.21 | 1.08 | 0.95 | 0.84 | 0.73 |
| 2.0 | - | - | - | - | - | - | 1.38 | 1.24 | 1.11 | 1.00 | 0.89 | 0.79 | 0.70 |
| 1.0 | - | - | - | - | - | 1.44 | 1.29 | 1.15 | 1.04 | 0.93 | 0.84 | 0.75 | 0.67 |
| 0.0 | - | - | - | - | 1.63 | 1.40 | 1.24 | 1.10 | 0.99 | 0.89 | 0.80 | 0.72 | - |
| -1.0 | - | - | 2.44 | 1.96 | 1.64 | 1.41 | 1.23 | 1.09 | 0.97 | 0.87 | 0.79 | - | - |
| -2.0 | - | - | 2.45 | 2.00 | 1.67 | 1.43 | 1.25 | 1.10 | 0.98 | 0.89 | - | - | - |
| -3.0 | - | - | - | - | 1.73 | 1.49 | 1.30 | 1.15 | 1.04 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|-------------|-----------------------------------|----------|------------|
| 3bL | RAIL | +/- 10° - +/- 40° Over Osc End | | 90% |
| | | | | |
| | 50 - 150mm | | | |

RADIUS

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 2.96 | 2.45 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 2.94 | 2.49 | 2.08 | - | - | - |
| 5.0 | - | - | - | - | - | - | 3.31 | 2.83 | 2.40 | 2.03 | 1.71 | - | - |
| 4.0 | - | - | - | - | 4.21 | 3.57 | 3.06 | 2.64 | 2.25 | 1.92 | 1.64 | 1.38 | - |
| 3.0 | - | - | - | - | - | 3.16 | 2.77 | 2.39 | 2.07 | 1.78 | 1.53 | 1.31 | 1.11 |
| 2.0 | - | - | - | - | - | - | 2.50 | 2.18 | 1.89 | 1.65 | 1.43 | 1.23 | 1.06 |
| 1.0 | - | - | - | - | - | 2.69 | 2.32 | 2.02 | 1.76 | 1.54 | 1.34 | 1.16 | 1.01 |
| 0.0 | - | - | - | - | 3.13 | 2.64 | 2.24 | 1.93 | 1.68 | 1.46 | 1.28 | 1.12 | - |
| -1.0 | - | - | 5.05 | 3.89 | 3.15 | 2.64 | 2.22 | 1.90 | 1.65 | 1.43 | 1.26 | - | - |
| -2.0 | - | - | 5.07 | 3.95 | 3.21 | 2.68 | 2.25 | 1.92 | 1.66 | 1.46 | - | - | - |
| -3.0 | - | - | - | - | 3.31 | 2.78 | 2.34 | 2.01 | 1.76 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |





| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
| PAGE | 17 of 24 |

RATED LIFT CAPACITY CHART

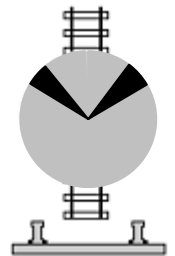
RIS 1530



| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboom |

| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|-----------------------------------|---|------------|
| 3cU | RAIL | +/- 40° - +/- 60° Over Osc End |  | 67% |
| |  50 - 150mm | | | |

RADIUS

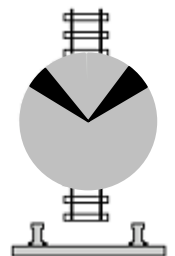
| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 1.57 | 1.31 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 1.56 | 1.33 | 1.13 | - | - | - |
| 5.0 | - | - | - | - | - | - | 1.73 | 1.49 | 1.28 | 1.11 | 0.95 | - | - |
| 4.0 | - | - | - | - | 2.08 | 1.81 | 1.57 | 1.37 | 1.19 | 1.04 | 0.91 | 0.78 | - |
| 3.0 | - | - | - | - | - | 1.55 | 1.39 | 1.23 | 1.09 | 0.96 | 0.84 | 0.74 | 0.64 |
| 2.0 | - | - | - | - | - | - | 1.23 | 1.11 | 0.99 | 0.88 | 0.78 | 0.69 | 0.60 |
| 1.0 | - | - | - | - | - | 1.27 | 1.14 | 1.02 | 0.91 | 0.82 | 0.73 | 0.65 | 0.56 |
| 0.0 | - | - | - | - | 1.44 | 1.24 | 1.09 | 0.97 | 0.86 | 0.77 | 0.69 | 0.62 | - |
| -1.0 | - | - | 2.19 | 1.75 | 1.45 | 1.24 | 1.08 | 0.95 | 0.84 | 0.76 | 0.68 | - | - |
| -2.0 | - | - | 2.20 | 1.78 | 1.48 | 1.26 | 1.10 | 0.96 | 0.86 | 0.77 | - | - | - |
| -3.0 | - | - | - | - | 1.55 | 1.32 | 1.15 | 1.01 | 0.91 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|-----------------------------------|---|------------|
| 3cL | RAIL | +/- 40° - +/- 60° Over Osc End |  | 90% |
| |  50 - 150mm | | | |

RADIUS

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 2.83 | 2.31 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 2.82 | 2.34 | 1.93 | - | - | - |
| 5.0 | - | - | - | - | - | - | 3.19 | 2.69 | 2.25 | 1.88 | 1.56 | - | - |
| 4.0 | - | - | - | - | 4.10 | 3.45 | 2.92 | 2.48 | 2.09 | 1.77 | 1.49 | 1.24 | - |
| 3.0 | - | - | - | - | - | 3.01 | 2.61 | 2.23 | 1.90 | 1.62 | 1.38 | 1.16 | 0.96 |
| 2.0 | - | - | - | - | - | - | 2.32 | 2.00 | 1.72 | 1.48 | 1.27 | 1.08 | 0.91 |
| 1.0 | - | - | - | - | - | 2.49 | 2.13 | 1.84 | 1.59 | 1.37 | 1.18 | 1.01 | 0.86 |
| 0.0 | - | - | - | - | 2.95 | 2.44 | 2.05 | 1.75 | 1.50 | 1.29 | 1.12 | 0.96 | - |
| -1.0 | - | - | 4.98 | 3.74 | 2.98 | 2.44 | 2.03 | 1.71 | 1.47 | 1.26 | 1.10 | - | - |
| -2.0 | - | - | 5.00 | 3.80 | 3.04 | 2.49 | 2.06 | 1.74 | 1.49 | 1.29 | - | - | - |
| -3.0 | - | - | - | - | 3.15 | 2.59 | 2.15 | 1.83 | 1.59 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |





| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
| PAGE | 18 of 24 |

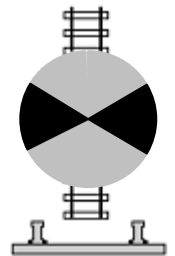
RATED LIFT CAPACITY CHART



RIS 1530

| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboom |

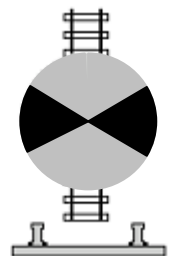
| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|--------------------|---|------------|
| 3dU | RAIL | +/- 60° - +/- 120° |  | 67% |
| |  50 - 150mm | | | |

| | | RADIUS | | | | | | | | | | | | | |
|--------|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| | | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 | |
| HEIGHT | 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | 7.0 | - | - | - | - | - | - | - | 1.38 | 1.12 | - | - | - | - | |
| | 6.0 | - | - | - | - | - | - | - | 1.37 | 1.15 | 0.95 | - | - | - | |
| | 5.0 | - | - | - | - | - | - | 1.54 | 1.29 | 1.09 | 0.92 | 0.77 | - | - | |
| | 4.0 | - | - | - | - | 1.87 | 1.60 | 1.36 | 1.17 | 1.00 | 0.85 | 0.72 | 0.60 | - | |
| | 3.0 | - | - | - | - | - | 1.32 | 1.17 | 1.02 | 0.88 | 0.76 | 0.66 | 0.53 | 0.39 | |
| | 2.0 | - | - | - | - | - | - | 1.00 | 0.88 | 0.78 | 0.68 | 0.58 | 0.45 | 0.34 | |
| | 1.0 | - | - | - | - | - | 1.01 | 0.89 | 0.79 | 0.69 | 0.61 | 0.49 | 0.39 | 0.29 | |
| | 0.0 | - | - | - | - | 1.16 | 0.97 | 0.84 | 0.73 | 0.64 | 0.54 | 0.44 | 0.35 | - | |
| | | -1.0 | - | - | 1.92 | 1.46 | 1.17 | 0.97 | 0.83 | 0.71 | 0.62 | 0.51 | 0.42 | - | - |
| | -2.0 | - | - | 1.93 | 1.50 | 1.21 | 1.00 | 0.85 | 0.73 | 0.63 | 0.54 | - | - | - | |
| | -3.0 | - | - | - | - | 1.28 | 1.06 | 0.90 | 0.78 | 0.70 | - | - | - | - | |
| | -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|--------------------|---|------------|
| 3dL | RAIL | +/- 60° - +/- 120° |  | 90% |
| |  50 - 150mm | | | |

| | | RADIUS | | | | | | | | | | | | | |
|--------|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| | | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 | |
| HEIGHT | 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| | 7.0 | - | - | - | - | - | - | - | 2.59 | 2.10 | - | - | - | - | |
| | 6.0 | - | - | - | - | - | - | - | 2.57 | 2.13 | 1.76 | - | - | - | |
| | 5.0 | - | - | - | - | - | - | 2.91 | 2.44 | 2.04 | 1.71 | 1.42 | - | - | |
| | 4.0 | - | - | - | - | 3.66 | 3.11 | 2.65 | 2.24 | 1.89 | 1.60 | 1.34 | 1.11 | - | |
| | 3.0 | - | - | - | - | - | 2.70 | 2.33 | 2.00 | 1.71 | 1.46 | 1.24 | 1.04 | 0.86 | |
| | 2.0 | - | - | - | - | - | - | 2.06 | 1.79 | 1.54 | 1.33 | 1.14 | 0.97 | 0.81 | |
| | 1.0 | - | - | - | - | - | 2.19 | 1.89 | 1.63 | 1.41 | 1.22 | 1.05 | 0.90 | 0.76 | |
| | 0.0 | - | - | - | - | 2.59 | 2.14 | 1.80 | 1.54 | 1.33 | 1.15 | 0.99 | 0.85 | - | |
| | | -1.0 | - | - | 4.25 | 3.25 | 2.62 | 2.14 | 1.78 | 1.51 | 1.30 | 1.12 | 0.97 | - | - |
| | -2.0 | - | - | 4.27 | 3.31 | 2.68 | 2.18 | 1.82 | 1.54 | 1.32 | 1.14 | - | - | - | |
| | -3.0 | - | - | - | - | 2.78 | 2.28 | 1.91 | 1.62 | 1.42 | - | - | - | - | |
| | -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - | |





| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
| PAGE | 19 of 24 |

RATED LIFT CAPACITY CHART

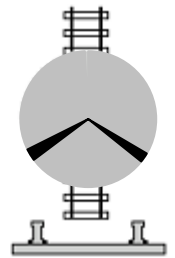
RIS 1530



| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboam |

| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|---------------------------------------|---|------------|
| 3eU | RAIL | +/- 120° - +/- 130° Over Fixed End |  | 67% |
| |  50 - 150mm | | | |

RADIUS

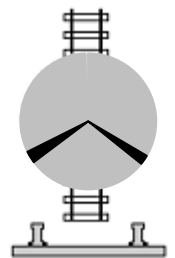
| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 1.61 | 1.35 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 1.60 | 1.37 | 1.17 | - | - | - |
| 5.0 | - | - | - | - | - | - | 1.77 | 1.53 | 1.32 | 1.14 | 0.98 | - | - |
| 4.0 | - | - | - | - | 2.13 | 1.86 | 1.62 | 1.41 | 1.23 | 1.08 | 0.94 | 0.81 | - |
| 3.0 | - | - | - | - | - | 1.60 | 1.43 | 1.27 | 1.13 | 0.99 | 0.88 | 0.77 | 0.66 |
| 2.0 | - | - | - | - | - | - | 1.28 | 1.15 | 1.03 | 0.91 | 0.81 | 0.72 | 0.63 |
| 1.0 | - | - | - | - | - | 1.32 | 1.18 | 1.06 | 0.95 | 0.85 | 0.76 | 0.68 | 0.60 |
| 0.0 | - | - | - | - | 1.49 | 1.29 | 1.13 | 1.01 | 0.90 | 0.81 | 0.72 | 0.65 | - |
| -1.0 | - | - | 2.26 | 1.81 | 1.50 | 1.29 | 1.12 | 0.99 | 0.88 | 0.79 | 0.71 | - | - |
| -2.0 | - | - | 2.27 | 1.84 | 1.54 | 1.31 | 1.14 | 1.00 | 0.89 | 0.80 | - | - | - |
| -3.0 | - | - | - | - | 1.60 | 1.37 | 1.19 | 1.05 | 0.95 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|---------------------------------------|---|------------|
| 3eL | RAIL | +/- 120° - +/- 130° Over Fixed End |  | 90% |
| |  50 - 150mm | | | |

RADIUS

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|-------|------|------|------|------|------|------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 3.36 | 2.86 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 3.35 | 2.89 | 2.48 | - | - | - |
| 5.0 | - | - | - | - | - | - | 3.75 | 3.24 | 2.82 | 2.43 | 2.09 | - | - |
| 4.0 | - | - | - | - | 4.71 | 4.05 | 3.51 | 3.06 | 2.68 | 2.33 | 2.02 | 1.75 | - |
| 3.0 | - | - | - | - | - | 3.66 | 3.23 | 2.85 | 2.51 | 2.20 | 1.92 | 1.68 | 1.46 |
| 2.0 | - | - | - | - | - | - | 2.99 | 2.66 | 2.34 | 2.06 | 1.82 | 1.60 | 1.40 |
| 1.0 | - | - | - | - | - | 3.21 | 2.84 | 2.51 | 2.21 | 1.96 | 1.73 | 1.54 | 1.36 |
| 0.0 | - | - | - | - | 3.70 | 3.17 | 2.77 | 2.42 | 2.13 | 1.89 | 1.68 | 1.49 | - |
| -1.0 | - | - | 5.70 | 4.51 | 3.72 | 3.17 | 2.75 | 2.39 | 2.10 | 1.86 | 1.66 | - | - |
| -2.0 | - | - | 5.54b | 4.56 | 3.77 | 3.21 | 2.78 | 2.42 | 2.12 | 1.88 | - | - | - |
| -3.0 | - | - | - | - | 3.87 | 3.29 | 2.86 | 2.50 | 2.22 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |





| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
| PAGE | 20 of 24 |

RATED LIFT CAPACITY CHART

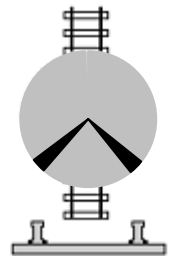
RIS 1530



| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboam |

| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|---------------------------------------|---|------------|
| 3fU | RAIL | +/- 130° - +/- 140° Over Fixed End |  | 67% |
| |  50 - 150mm | | | |

RADIUS

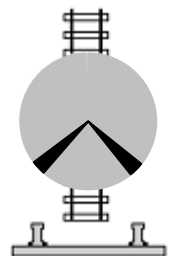
| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 1.74 | 1.47 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 1.73 | 1.49 | 1.28 | - | - | - |
| 5.0 | - | - | - | - | - | - | 1.92 | 1.66 | 1.44 | 1.25 | 1.08 | - | - |
| 4.0 | - | - | - | - | 2.31 | 2.02 | 1.76 | 1.54 | 1.35 | 1.19 | 1.04 | 0.91 | - |
| 3.0 | - | - | - | - | - | 1.76 | 1.58 | 1.40 | 1.25 | 1.11 | 0.98 | 0.86 | 0.75 |
| 2.0 | - | - | - | - | - | - | 1.42 | 1.28 | 1.15 | 1.03 | 0.92 | 0.82 | 0.72 |
| 1.0 | - | - | - | - | - | 1.48 | 1.32 | 1.19 | 1.07 | 0.96 | 0.86 | 0.77 | 0.69 |
| 0.0 | - | - | - | - | 1.67 | 1.45 | 1.28 | 1.14 | 1.02 | 0.92 | 0.83 | 0.75 | - |
| -1.0 | - | - | 2.50 | 2.01 | 1.68 | 1.45 | 1.27 | 1.12 | 1.00 | 0.90 | 0.81 | - | - |
| -2.0 | - | - | 2.51 | 2.05 | 1.72 | 1.47 | 1.28 | 1.13 | 1.01 | 0.91 | - | - | - |
| -3.0 | - | - | - | - | 1.78 | 1.53 | 1.33 | 1.18 | 1.07 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|---------------------------------------|---|------------|
| 3fL | RAIL | +/- 130° - +/- 140° Over Fixed End |  | 90% |
| |  50 - 150mm | | | |

RADIUS

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|-------|------|-------|------|------|------|------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 3.90 | 3.29 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 3.88 | 3.33 | 2.86 | - | - | - |
| 5.0 | - | - | - | - | - | - | 4.40 | 3.76 | 3.24 | 2.82 | 2.43 | - | - |
| 4.0 | - | - | - | - | 5.76 | 4.85 | 4.13 | 3.56 | 3.10 | 2.71 | 2.35 | 2.03 | - |
| 3.0 | - | - | - | - | - | 4.40 | 3.82 | 3.33 | 2.93 | 2.57 | 2.24 | 1.95 | 1.69 |
| 2.0 | - | - | - | - | - | - | 3.55 | 3.12 | 2.76 | 2.42 | 2.13 | 1.87 | 1.64 |
| 1.0 | - | - | - | - | - | 3.89 | 3.38 | 2.97 | 2.63 | 2.31 | 2.04 | 1.80 | 1.59 |
| 0.0 | - | - | - | - | 4.58 | 3.83 | 3.30 | 2.89 | 2.54 | 2.23 | 1.97 | 1.75 | - |
| -1.0 | - | - | 6.09b | 5.73 | 4.60 | 3.83 | 3.28 | 2.86 | 2.50 | 2.20 | 1.95 | - | - |
| -2.0 | - | - | 5.54b | 5.80 | 4.66 | 3.88 | 3.31 | 2.88 | 2.52 | 2.23 | - | - | - |
| -3.0 | - | - | - | - | 4.31b | 3.98 | 3.40 | 2.96 | 2.63 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |





| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
| PAGE | 21 of 24 |

RATED LIFT CAPACITY CHART

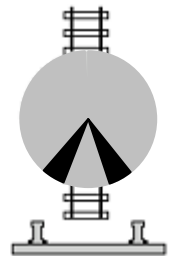
RIS 1530



| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboam |

| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|---------------------------------------|---|------------|
| 3gU | RAIL | +/- 140° - +/- 160° Over Fixed End |  | 67% |
| |  50 - 150mm | | | |

RADIUS

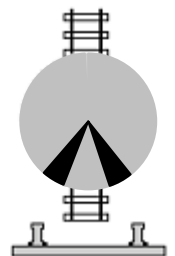
| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 2.01 | 1.72 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 2.00 | 1.74 | 1.51 | - | - | - |
| 5.0 | - | - | - | - | - | - | 2.22 | 1.93 | 1.69 | 1.48 | 1.30 | - | - |
| 4.0 | - | - | - | - | 2.69 | 2.35 | 2.06 | 1.81 | 1.60 | 1.42 | 1.25 | 1.10 | - |
| 3.0 | - | - | - | - | - | 2.09 | 1.88 | 1.67 | 1.49 | 1.33 | 1.19 | 1.06 | 0.94 |
| 2.0 | - | - | - | - | - | - | 1.72 | 1.55 | 1.39 | 1.25 | 1.13 | 1.01 | 0.91 |
| 1.0 | - | - | - | - | - | 1.81 | 1.62 | 1.46 | 1.32 | 1.19 | 1.08 | 0.97 | 0.88 |
| 0.0 | - | - | - | - | 2.04 | 1.78 | 1.57 | 1.41 | 1.27 | 1.15 | 1.04 | 0.95 | - |
| -1.0 | - | - | 3.00 | 2.44 | 2.06 | 1.78 | 1.56 | 1.39 | 1.25 | 1.13 | 1.03 | - | - |
| -2.0 | - | - | 3.01 | 2.47 | 2.09 | 1.80 | 1.58 | 1.40 | 1.26 | 1.14 | - | - | - |
| -3.0 | - | - | - | - | 2.15 | 1.86 | 1.63 | 1.45 | 1.32 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|---|---------------------------------------|---|------------|
| 3gL | RAIL | +/- 140° - +/- 160° Over Fixed End |  | 75% |
| |  50 - 150mm | | | |

RADIUS

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 4.25 | 3.72 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 4.24 | 3.74 | 3.32 | - | - | - |
| 5.0 | - | - | - | - | - | - | 4.71 | 4.15 | 3.68 | 3.29 | 2.94 | - | - |
| 4.0 | - | - | - | - | 5.92 | 5.15 | 4.52 | 4.01 | 3.57 | 3.21 | 2.89 | 2.61 | - |
| 3.0 | - | - | - | - | - | 4.83 | 4.30 | 3.84 | 3.45 | 3.11 | 2.82 | 2.56 | 2.33 |
| 2.0 | - | - | - | - | - | - | 4.11 | 3.69 | 3.33 | 3.02 | 2.75 | 2.51 | 2.29 |
| 1.0 | - | - | - | - | - | 4.48 | 3.99 | 3.58 | 3.24 | 2.94 | 2.68 | 2.46 | 2.26 |
| 0.0 | - | - | - | - | 5.12 | 4.45 | 3.93 | 3.52 | 3.18 | 2.89 | 2.64 | 2.42 | - |
| -1.0 | - | - | 6.09b | 6.08 | 5.14 | 4.45 | 3.92 | 3.50 | 3.16 | 2.87 | 2.63 | - | - |
| -2.0 | - | - | 5.54b | 6.04b | 5.18 | 4.48 | 3.94 | 3.51 | 3.17 | 2.88 | - | - | - |
| -3.0 | - | - | - | - | 4.31b | 4.21b | 3.96b | 3.56b | 2.93b | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |





| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
| PAGE | 22 of 24 |

RATED LIFT CAPACITY CHART

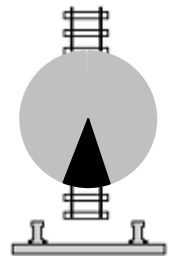
RIS 1530



| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboam |

| Duty | Config | Sector | Osc Axle | Safety |
|------------|--|-----------------------------------|---|------------|
| 3hU | RAIL | +/- 20° Over Fixed End |  | 67% |
| |  50 - 150mm | | | |

RADIUS

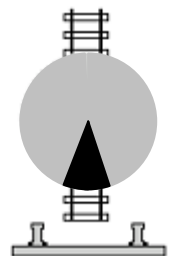
| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|-------|------|-------|-------|-------|-------|-------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 4.22 | 3.73a | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 4.21 | 3.76 | 3.37 | - | - | - |
| 5.0 | - | - | - | - | - | - | 4.64 | 4.13 | 3.71 | 3.34 | 3.03 | - | - |
| 4.0 | - | - | - | - | 5.72 | 5.04 | 4.48 | 4.02 | 3.62 | 3.28 | 2.98 | 2.72 | - |
| 3.0 | - | - | - | - | - | 4.79 | 4.30 | 3.88 | 3.51 | 3.20 | 2.92 | 2.68 | 2.45 |
| 2.0 | - | - | - | - | - | - | 4.14 | 3.75 | 3.41 | 3.12 | 2.86 | 2.63 | 2.42 |
| 1.0 | - | - | - | - | - | 4.50 | 4.04 | 3.66 | 3.34 | 3.05 | 2.81 | 2.59 | 2.39 |
| 0.0 | - | - | - | - | 5.07 | 4.47 | 4.00 | 3.61 | 3.29 | 3.01 | 2.77 | 2.56 | - |
| -1.0 | - | - | 6.09b | 5.90 | 5.09 | 4.47 | 3.99 | 3.60 | 3.27 | 2.99 | 2.76 | - | - |
| -2.0 | - | - | 5.54b | 5.94 | 5.12 | 4.50 | 4.00 | 3.61 | 3.28 | 3.01 | - | - | - |
| -3.0 | - | - | - | - | 4.31b | 4.21b | 3.96b | 3.56b | 2.93b | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|--|-----------------------------------|---|------------|
| 3hL | RAIL | +/- 20° Over Fixed End |  | 75% |
| |  50 - 150mm | | | |

RADIUS

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 5.23 | 3.73a | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 5.22 | 4.61 | 4.10 | - | - | - |
| 5.0 | - | - | - | - | - | - | 5.83 | 5.13 | 4.55 | 4.07 | 3.65 | - | - |
| 4.0 | - | - | - | - | 7.43 | 6.43 | 5.63 | 4.98 | 4.44 | 3.99 | 3.60 | 3.26 | - |
| 3.0 | - | - | - | - | - | 6.10 | 5.39 | 4.80 | 4.31 | 3.89 | 3.53 | 3.21 | 2.93 |
| 2.0 | - | - | - | - | - | - | 5.19 | 4.65 | 4.19 | 3.79 | 3.45 | 3.15 | 2.89 |
| 1.0 | - | - | - | - | - | 5.73 | 5.07 | 4.53 | 4.09 | 3.71 | 3.38 | 3.10 | 2.85 |
| 0.0 | - | - | - | - | 6.59 | 5.69 | 5.01 | 4.47 | 4.03 | 3.66 | 3.34 | 3.07 | - |
| -1.0 | - | - | 6.09b | 7.22b | 6.60 | 5.69 | 5.00 | 4.45 | 4.01 | 3.64 | 3.33 | - | - |
| -2.0 | - | - | 5.54b | 6.04b | 6.10b | 5.72 | 5.02 | 4.47 | 4.02 | 3.65 | - | - | - |
| -3.0 | - | - | - | - | 4.31b | 4.21b | 3.96b | 3.56b | 2.93b | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |





| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
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RATED LIFT CAPACITY CHART

RIS 1530



| | | | |
|----------------|-----------------|------------------|-------------------------|
| Machine Type | KOMATSU PW160 7 | Equipment | 5.15m + 2.10m |
| Issue Date | 09/05/2013 | Serial No. | H55515 (Rail Axle 2319) |
| FIRST of CLASS | N/A | Additional Info. | Bucket Pin, Monoboam |

| Duty | Config | Sector | Osc Axle | Safety |
|------------|--|--------|---|------------|
| 4aU | RAIL | 360.0° |  | 67% |
| |  151 - 178mm | | | |

RADIUS

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 1.26 | 1.01 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 1.25 | 1.03 | 0.85 | - | - | - |
| 5.0 | - | - | - | - | - | - | 1.39 | 1.17 | 0.98 | 0.82 | 0.68 | - | - |
| 4.0 | - | - | - | - | 1.67 | 1.43 | 1.22 | 1.04 | 0.89 | 0.75 | 0.63 | 0.47 | - |
| 3.0 | - | - | - | - | - | 1.16 | 1.03 | 0.90 | 0.78 | 0.67 | 0.55 | 0.41 | 0.28 |
| 2.0 | - | - | - | - | - | - | 0.86 | 0.76 | 0.67 | 0.57 | 0.45 | 0.33 | 0.23 |
| 1.0 | - | - | - | - | - | 0.86 | 0.76 | 0.67 | 0.58 | 0.47 | 0.36 | 0.27 | 0.18 |
| 0.0 | - | - | - | - | 0.98 | 0.82 | 0.71 | 0.62 | 0.50 | 0.40 | 0.31 | 0.23 | - |
| -1.0 | - | - | 1.65 | 1.25 | 1.00 | 0.82 | 0.70 | 0.59 | 0.47 | 0.37 | 0.29 | - | - |
| -2.0 | - | - | 1.66 | 1.29 | 1.03 | 0.85 | 0.71 | 0.61 | 0.49 | 0.40 | - | - | - |
| -3.0 | - | - | - | - | 1.10 | 0.91 | 0.77 | 0.66 | 0.58 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |



| Duty | Config | Sector | Osc Axle | Safety |
|------------|--|--------|---|------------|
| 4aL | RAIL | 360.0° |  | 75% |
| |  151 - 178mm | | | |

RADIUS

| | 2.00 | 2.50 | 3.00 | 3.50 | 4.00 | 4.50 | 5.00 | 5.50 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| HEIGHT 8.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 7.0 | - | - | - | - | - | - | - | 1.82 | 1.53 | - | - | - | - |
| 6.0 | - | - | - | - | - | - | - | 1.81 | 1.55 | 1.32 | - | - | - |
| 5.0 | - | - | - | - | - | - | 2.01 | 1.73 | 1.49 | 1.29 | 1.11 | - | - |
| 4.0 | - | - | - | - | 2.41 | 2.10 | 1.83 | 1.60 | 1.39 | 1.22 | 1.06 | 0.92 | - |
| 3.0 | - | - | - | - | - | 1.82 | 1.62 | 1.44 | 1.28 | 1.13 | 0.99 | 0.86 | 0.71 |
| 2.0 | - | - | - | - | - | - | 1.45 | 1.30 | 1.16 | 1.04 | 0.92 | 0.79 | 0.66 |
| 1.0 | - | - | - | - | - | 1.50 | 1.34 | 1.20 | 1.08 | 0.97 | 0.85 | 0.73 | 0.61 |
| 0.0 | - | - | - | - | 1.69 | 1.46 | 1.29 | 1.15 | 1.02 | 0.92 | 0.80 | 0.69 | - |
| -1.0 | - | - | 2.56 | 2.05 | 1.71 | 1.46 | 1.28 | 1.13 | 1.00 | 0.90 | 0.78 | - | - |
| -2.0 | - | - | 2.58 | 2.09 | 1.75 | 1.49 | 1.29 | 1.14 | 1.02 | 0.91 | - | - | - |
| -3.0 | - | - | - | - | 1.82 | 1.55 | 1.35 | 1.20 | 1.08 | - | - | - | - |
| -4.0 | - | - | - | - | - | - | - | - | - | - | - | - | - |



| | |
|--------------|--|
| NOTES | Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure). |
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