

ROADRAILER

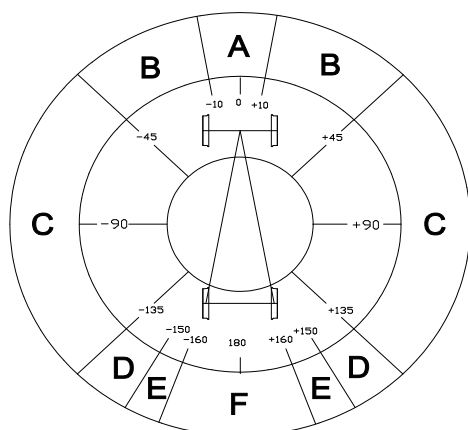
by REXQUOTE

e-mail: sales@rexquote.co.uk

Web: www.rexquote.co.uk

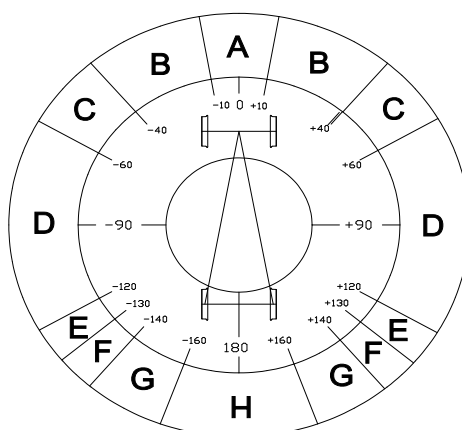
TEL:01823 433398

Oscillating Axle



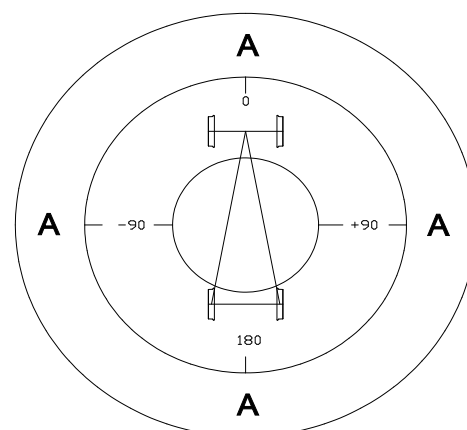
Fixed Axle
Road Duties

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

TANDEM LIFT CHARTS

Machine fitted with permanently attached Quick Hitch

Machine Type: Komatsu PW160

Serial Number: H50093

Rail Axle Number: 2344

Network Rail Number: 99709 910026-2

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 4

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	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
1aU	ROAD	360.0°		66%

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	-	-	-	-	-	-	-	2.09	-	-	-	-	-
6.0	-	-	-	-	-	-	-	2.09	1.82	1.59	-	-	-
5.0	-	-	-	-	-	-	2.35	2.04	1.79	1.57	1.39	-	-
4.0	-	-	-	-	2.99	2.57	2.23	1.95	1.72	1.53	1.36	1.21	-
3.0	-	-	-	-	-	2.36	2.08	1.84	1.64	1.46	1.31	1.18	1.05
2.0	-	-	-	-	-	-	1.94	1.74	1.56	1.40	1.26	1.14	1.03
1.0	-	-	-	-	-	2.09	1.85	1.66	1.49	1.34	1.22	1.10	1.00
0.0	-	-	-	-	-	2.05	1.81	1.61	1.45	1.31	1.18	1.08	-
-1.0	-	-	-	2.87	2.39	2.05	1.79	1.59	1.43	1.29	1.17	1.07	-
-2.0	-	-	3.58	2.89	2.41	2.07	1.80	1.60	1.43	1.29	1.18	-	-
-3.0	-	-	-	2.94	2.46	2.11	1.84	1.63	1.46	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
1aL	ROAD	360.0°		66%

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	-	-	-	-	-	-	-	2.35	-	-	-	-	-
6.0	-	-	-	-	-	-	-	2.36	2.05	1.78	-	-	-
5.0	-	-	-	-	-	-	2.67	2.31	2.01	1.77	1.56	-	-
4.0	-	-	-	-	3.46	2.94	2.54	2.21	1.94	1.72	1.52	1.35	-
3.0	-	-	-	-	-	2.72	2.38	2.09	1.85	1.65	1.48	1.32	1.18
2.0	-	-	-	-	-	-	2.23	1.98	1.77	1.58	1.42	1.28	1.16
1.0	-	-	-	-	-	2.43	2.13	1.90	1.70	1.52	1.38	1.25	1.13
0.0	-	-	-	-	-	2.39	2.09	1.85	1.65	1.48	1.34	1.22	-
-1.0	-	-	-	3.42	2.81	2.39	2.07	1.83	1.63	1.47	1.33	1.21	-
-2.0	-	-	4.35	3.44	2.84	2.40	2.08	1.83	1.63	1.47	1.34	-	-
-3.0	-	-	-	3.50	2.89	2.45	2.12	1.87	1.67	-	-	-	-
-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	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
1bU	ROAD	+/- 10° - +/- 45° Over Osc End		66%

		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	-	-	-	-	-	-	-	1.22	-	-	-	-	-
	6.0	-	-	-	-	-	-	-	1.23	1.04	0.87	-	-	-
	5.0	-	-	-	-	-	-	1.39	1.18	1.00	0.85	0.72	-	-
	4.0	-	-	-	-	1.75	1.49	1.27	1.09	0.94	0.81	0.69	0.59	-
	3.0	-	-	-	-	-	1.28	1.12	0.98	0.85	0.74	0.65	0.56	0.47
	2.0	-	-	-	-	-	-	0.98	0.87	0.77	0.68	0.60	0.52	0.45
	1.0	-	-	-	-	-	1.01	0.89	0.79	0.70	0.62	0.55	0.49	0.43
	0.0	-	-	-	-	-	0.97	0.85	0.75	0.66	0.59	0.52	0.46	-
	-1.0	-	-	-	1.42	1.15	0.97	0.83	0.73	0.64	0.57	0.51	0.45	-
	-2.0	-	-	1.85	1.45	1.18	0.99	0.84	0.73	0.64	0.57	0.52	-	-
	-3.0	-	-	-	1.50	1.22	1.03	0.88	0.76	0.68	-	-	-	-
	-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
1bL	ROAD	+/- 10° - +/- 45° Over Osc End		66%

		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	-	-	-	-	-	-	-	2.26	-	-	-	-	-
	6.0	-	-	-	-	-	-	-	2.27	1.95	1.68	-	-	-
	5.0	-	-	-	-	-	-	2.58	2.21	1.91	1.67	1.46	-	-
	4.0	-	-	-	-	3.39	2.86	2.44	2.11	1.84	1.62	1.43	1.26	-
	3.0	-	-	-	-	-	2.62	2.27	1.99	1.75	1.55	1.38	1.22	1.09
	2.0	-	-	-	-	-	-	2.12	1.87	1.66	1.48	1.32	1.18	1.06
	1.0	-	-	-	-	-	2.31	2.02	1.78	1.58	1.42	1.27	1.15	1.04
	0.0	-	-	-	-	-	2.27	1.97	1.73	1.54	1.38	1.24	1.12	-
	-1.0	-	-	-	3.33	2.70	2.26	1.95	1.71	1.51	1.36	1.22	1.11	-
	-2.0	-	-	4.34	3.36	2.72	2.28	1.96	1.71	1.52	1.36	1.24	-	-
	-3.0	-	-	-	3.42	2.78	2.33	2.00	1.75	1.56	-	-	-	-
	-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

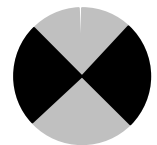
RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
1cU	ROAD	+/- 45° - +/- 135°		66%

RADIUS

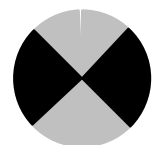
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	1.42	-	-	-	-	-
6.0	-	-	-	-	-	-	-	1.43	1.22	1.03	-	-	-
5.0	-	-	-	-	-	-	1.61	1.38	1.19	1.02	0.88	-	-
4.0	-	-	-	-	2.04	1.74	1.49	1.29	1.12	0.98	0.85	0.73	-
3.0	-	-	-	-	-	1.53	1.34	1.18	1.04	0.91	0.80	0.70	0.61
2.0	-	-	-	-	-	-	1.21	1.07	0.95	0.85	0.75	0.66	0.58
1.0	-	-	-	-	-	1.26	1.12	0.99	0.89	0.79	0.71	0.63	0.56
0.0	-	-	-	-	-	1.23	1.07	0.95	0.84	0.75	0.67	0.61	-
-1.0	-	-	-	1.76	1.44	1.22	1.06	0.93	0.82	0.74	0.66	0.60	-
-2.0	-	-	2.25	1.78	1.47	1.24	1.07	0.93	0.83	0.74	0.67	-	-
-3.0	-	-	-	1.84	1.51	1.28	1.10	0.97	0.86	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
1cL	ROAD	+/- 45° - +/- 135°		66%

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	-	-	-	-	-	-	-	2.22	-	-	-	-	-
6.0	-	-	-	-	-	-	-	2.23	1.92	1.65	-	-	-
5.0	-	-	-	-	-	-	2.54	2.18	1.88	1.64	1.43	-	-
4.0	-	-	-	-	3.34	2.81	2.40	2.08	1.81	1.59	1.40	1.23	-
3.0	-	-	-	-	-	2.57	2.23	1.95	1.72	1.52	1.35	1.20	1.06
2.0	-	-	-	-	-	-	2.08	1.84	1.63	1.45	1.30	1.16	1.04
1.0	-	-	-	-	-	2.26	1.98	1.75	1.55	1.39	1.25	1.12	1.01
0.0	-	-	-	-	-	2.23	1.93	1.69	1.51	1.35	1.21	1.10	-
-1.0	-	-	-	3.27	2.65	2.22	1.91	1.67	1.48	1.33	1.20	1.09	-
-2.0	-	-	4.26	3.30	2.67	2.24	1.92	1.68	1.49	1.33	1.21	-	-
-3.0	-	-	-	3.36	2.73	2.29	1.96	1.72	1.53	-	-	-	-
-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).
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RATED LIFT CAPACITY CHART

RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
1dU	ROAD	+/- 135° - +/- 150° Over Fixed End		66%

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	-	-	-	-	-
6.0	-	-	-	-	-	-	-	3.37	2.96	2.61	-	-	-
5.0	-	-	-	-	-	-	3.80	3.31	2.92	2.60	2.32	-	-
4.0	-	-	-	-	4.94	4.23	3.67	3.22	2.85	2.55	2.29	2.06	-
3.0	-	-	-	-	-	4.00	3.51	3.10	2.77	2.48	2.24	2.03	1.84
2.0	-	-	-	-	-	-	3.36	2.99	2.68	2.41	2.19	1.99	1.81
1.0	-	-	-	-	-	3.71	3.26	2.90	2.61	2.36	2.14	1.95	1.79
0.0	-	-	-	-	-	3.67	3.21	2.85	2.56	2.32	2.11	1.93	-
-1.0	-	-	-	5.17	4.29	3.67	3.20	2.83	2.54	2.30	2.09	1.92	-
-2.0	-	-	5.79b	5.20	4.32	3.68	3.21	2.84	2.54	2.30	2.11	-	-
-3.0	-	-	-	4.63b	4.37	3.73	3.25	2.87	2.58	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
1dL	ROAD	+/- 135° - +/- 150° Over Fixed End		66%

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	-	-	-	-	-
6.0	-	-	-	-	-	-	-	3.37	2.96	2.61	-	-	-
5.0	-	-	-	-	-	-	3.80	3.31	2.92	2.60	2.32	-	-
4.0	-	-	-	-	4.94	4.23	3.67	3.22	2.85	2.55	2.29	2.06	-
3.0	-	-	-	-	-	4.00	3.51	3.10	2.77	2.48	2.24	2.03	1.84
2.0	-	-	-	-	-	-	3.36	2.99	2.68	2.41	2.19	1.99	1.81
1.0	-	-	-	-	-	3.71	3.26	2.90	2.61	2.36	2.14	1.95	1.79
0.0	-	-	-	-	-	3.67	3.21	2.85	2.56	2.32	2.11	1.93	-
-1.0	-	-	-	5.17	4.29	3.67	3.20	2.83	2.54	2.30	2.09	1.92	-
-2.0	-	-	5.79b	5.20	4.32	3.68	3.21	2.84	2.54	2.30	2.11	-	-
-3.0	-	-	-	4.63b	4.37	3.73	3.25	2.87	2.58	-	-	-	-
-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	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
1eU	ROAD	+/- 150° - +/- 160° Over Fixed End		66%

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	-	-	-	-	-
6.0	-	-	-	-	-	-	-	3.37	2.96	2.61	-	-	-
5.0	-	-	-	-	-	-	3.80	3.31	2.92	2.60	2.32	-	-
4.0	-	-	-	-	4.94	4.23	3.67	3.22	2.85	2.55	2.29	2.06	-
3.0	-	-	-	-	-	4.00	3.51	3.10	2.77	2.48	2.24	2.03	1.84
2.0	-	-	-	-	-	-	3.36	2.99	2.68	2.41	2.19	1.99	1.81
1.0	-	-	-	-	-	3.71	3.26	2.90	2.61	2.36	2.14	1.95	1.79
0.0	-	-	-	-	-	3.67	3.21	2.85	2.56	2.32	2.11	1.93	-
-1.0	-	-	-	5.17	4.29	3.67	3.20	2.83	2.54	2.30	2.09	1.92	-
-2.0	-	-	5.79b	5.20	4.32	3.68	3.21	2.84	2.54	2.30	2.11	-	-
-3.0	-	-	-	4.63b	4.37	3.73	3.25	2.87	2.58	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
1eL	ROAD	+/- 150° - +/- 160° Over Fixed End		66%

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	-	-	-	-	-
6.0	-	-	-	-	-	-	-	3.37	2.96	2.61	-	-	-
5.0	-	-	-	-	-	-	3.80	3.31	2.92	2.60	2.32	-	-
4.0	-	-	-	-	4.94	4.23	3.67	3.22	2.85	2.55	2.29	2.06	-
3.0	-	-	-	-	-	4.00	3.51	3.10	2.77	2.48	2.24	2.03	1.84
2.0	-	-	-	-	-	-	3.36	2.99	2.68	2.41	2.19	1.99	1.81
1.0	-	-	-	-	-	3.71	3.26	2.90	2.61	2.36	2.14	1.95	1.79
0.0	-	-	-	-	-	3.67	3.21	2.85	2.56	2.32	2.11	1.93	-
-1.0	-	-	-	5.17	4.29	3.67	3.20	2.83	2.54	2.30	2.09	1.92	-
-2.0	-	-	5.79b	5.20	4.32	3.68	3.21	2.84	2.54	2.30	2.11	-	-
-3.0	-	-	-	4.63b	4.37	3.73	3.25	2.87	2.58	-	-	-	-
-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	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
1fU	ROAD	+/- 20° Over Fixed End		66%

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	-	-	-	-	-
6.0	-	-	-	-	-	-	-	3.37	2.96	2.61	-	-	-
5.0	-	-	-	-	-	-	3.80	3.31	2.92	2.60	2.32	-	-
4.0	-	-	-	-	4.94	4.23	3.67	3.22	2.85	2.55	2.29	2.06	-
3.0	-	-	-	-	-	4.00	3.51	3.10	2.77	2.48	2.24	2.03	1.84
2.0	-	-	-	-	-	-	3.36	2.99	2.68	2.41	2.19	1.99	1.81
1.0	-	-	-	-	-	3.71	3.26	2.90	2.61	2.36	2.14	1.95	1.79
0.0	-	-	-	-	-	3.67	3.21	2.85	2.56	2.32	2.11	1.93	-
-1.0	-	-	-	5.17	4.29	3.67	3.20	2.83	2.54	2.30	2.09	1.92	-
-2.0	-	-	5.79b	5.20	4.32	3.68	3.21	2.84	2.54	2.30	2.11	-	-
-3.0	-	-	-	4.63b	4.37	3.73	3.25	2.87	2.58	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
1fL	ROAD	+/- 20° Over Fixed End		66%

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	-	-	-	-	-
6.0	-	-	-	-	-	-	-	3.37	2.96	2.61	-	-	-
5.0	-	-	-	-	-	-	3.80	3.31	2.92	2.60	2.32	-	-
4.0	-	-	-	-	4.94	4.23	3.67	3.22	2.85	2.55	2.29	2.06	-
3.0	-	-	-	-	-	4.00	3.51	3.10	2.77	2.48	2.24	2.03	1.84
2.0	-	-	-	-	-	-	3.36	2.99	2.68	2.41	2.19	1.99	1.81
1.0	-	-	-	-	-	3.71	3.26	2.90	2.61	2.36	2.14	1.95	1.79
0.0	-	-	-	-	-	3.67	3.21	2.85	2.56	2.32	2.11	1.93	-
-1.0	-	-	-	5.17	4.29	3.67	3.20	2.83	2.54	2.30	2.09	1.92	-
-2.0	-	-	5.79b	5.20	4.32	3.68	3.21	2.84	2.54	2.30	2.11	-	-
-3.0	-	-	-	4.63b	4.37	3.73	3.25	2.87	2.58	-	-	-	-
-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

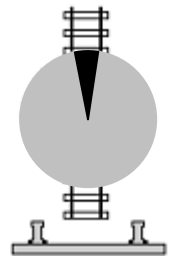
RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50254 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
2aU	RAIL	+/- 10° Over Osc End		66%
				
	0 - 50mm			

RADIUS

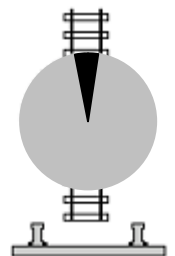
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-
	7.0	-	-	-	-	-	-	2.01	1.74	-	-	-	-
	6.0	-	-	-	-	-	-	2.01	1.76	1.55	-	-	-
	5.0	-	-	-	-	-	2.23	1.95	1.72	1.53	1.36	-	-
	4.0	-	-	-	-	2.79	2.42	2.12	1.87	1.66	1.48	1.33	1.19
	3.0	-	-	-	-	2.24	1.99	1.77	1.59	1.42	1.28	1.16	1.04
	2.0	-	-	-	-	-	1.88	1.68	1.52	1.37	1.24	1.12	1.02
	1.0	-	-	-	-	2.03	1.81	1.62	1.46	1.32	1.20	1.10	1.00
	0.0	-	-	-	-	2.32	2.01	1.77	1.58	1.43	1.29	1.18	1.08
	-1.0	-	-	3.42	2.77	2.33	2.01	1.77	1.57	1.41	1.28	1.17	-
	-2.0	-	-	3.43	2.80	2.36	2.03	1.78	1.58	1.42	1.29	-	-
	-3.0	-	-	-	-	2.40	2.07	1.82	1.62	1.46	-	-	-
	-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
2aL	RAIL	+/- 10° Over Osc End		66%
				
	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	-	-	-	-	-	-	3.30	2.87	-	-	-	-
	6.0	-	-	-	-	-	-	3.29	2.89	2.55	-	-	-
	5.0	-	-	-	-	-	3.69	3.22	2.84	2.53	2.26	-	-
	4.0	-	-	-	-	4.76	4.09	3.55	3.12	2.77	2.47	2.22	2.00
	3.0	-	-	-	-	3.86	3.39	3.00	2.68	2.41	2.17	1.97	1.79
	2.0	-	-	-	-	-	3.25	2.89	2.59	2.34	2.12	1.93	1.76
	1.0	-	-	-	-	3.60	3.17	2.82	2.53	2.28	2.08	1.90	1.74
	0.0	-	-	-	-	4.17	3.57	3.13	2.77	2.49	2.25	2.05	1.87
	-1.0	-	-	6.09b	5.04	4.18	3.57	3.12	2.76	2.47	2.23	2.04	-
	-2.0	-	-	5.54b	5.08	4.22	3.60	3.13	2.77	2.48	2.25	-	-
	-3.0	-	-	-	-	4.27	3.65	3.18	2.81	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).
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RATED LIFT CAPACITY CHART

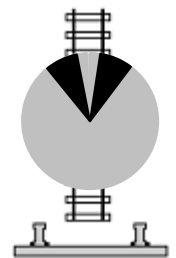
RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
2bU	RAIL	+/- 10° - +/- 40° Over Osc End		66%
				
	0 - 50mm			

RADIUS

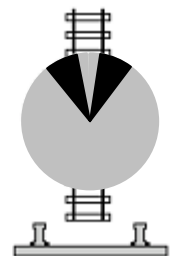
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-
	7.0	-	-	-	-	-	-	1.34	1.14	-	-	-	-
	6.0	-	-	-	-	-	-	1.33	1.16	1.00	-	-	-
	5.0	-	-	-	-	-	1.48	1.28	1.12	0.98	0.86	-	-
	4.0	-	-	-	-	1.80	1.57	1.37	1.21	1.06	0.94	0.83	0.73
	3.0	-	-	-	-	1.40	1.25	1.11	0.99	0.88	0.79	0.70	0.62
	2.0	-	-	-	-	-	1.14	1.03	0.92	0.83	0.75	0.67	0.60
	1.0	-	-	-	-	1.20	1.08	0.97	0.87	0.79	0.71	0.64	0.58
	0.0	-	-	-	-	1.37	1.18	1.05	0.93	0.84	0.76	0.69	0.62
	-1.0	-	-	2.02	1.64	1.37	1.18	1.04	0.92	0.83	0.75	0.68	-
	-2.0	-	-	2.03	1.66	1.40	1.20	1.05	0.93	0.83	0.76	-	-
	-3.0	-	-	-	-	1.44	1.24	1.09	0.97	0.87	-	-	-
	-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
2bL	RAIL	+/- 10° - +/- 40° Over Osc End		66%
				
	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	-	-	-	-	-	-	2.43	2.07	-	-	-	-
	6.0	-	-	-	-	-	-	2.42	2.09	1.80	-	-	-
	5.0	-	-	-	-	-	2.73	2.35	2.03	1.77	1.55	-	-
	4.0	-	-	-	-	3.50	2.98	2.56	2.22	1.94	1.71	1.51	1.33
	3.0	-	-	-	-	2.70	2.36	2.08	1.83	1.63	1.45	1.29	1.14
	2.0	-	-	-	-	-	2.20	1.95	1.73	1.54	1.38	1.24	1.11
	1.0	-	-	-	-	2.39	2.09	1.85	1.65	1.48	1.33	1.20	1.08
	0.0	-	-	-	-	2.78	2.35	2.04	1.80	1.60	1.44	1.29	1.17
	-1.0	-	-	4.41	3.42	2.79	2.35	2.03	1.78	1.58	1.42	1.28	-
	-2.0	-	-	4.42	3.46	2.83	2.38	2.05	1.80	1.59	1.43	-	-
	-3.0	-	-	-	-	2.90	2.44	2.11	1.85	1.65	-	-	-
	-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

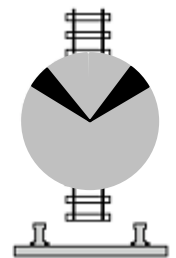
RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
2cU	RAIL	$\pm 40^\circ - \pm 60^\circ$ Over Osc End		66%
				
	0 - 50mm			

RADIUS

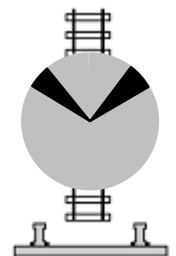
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-
	7.0	-	-	-	-	-	-	1.19	1.00	-	-	-	-
	6.0	-	-	-	-	-	-	1.18	1.02	0.87	-	-	-
	5.0	-	-	-	-	-	1.31	1.13	0.98	0.85	0.74	-	-
	4.0	-	-	-	-	1.59	1.38	1.20	1.05	0.92	0.81	0.71	0.62
	3.0	-	-	-	-	1.21	1.08	0.96	0.85	0.76	0.67	0.59	0.52
	2.0	-	-	-	-	-	0.98	0.88	0.79	0.70	0.63	0.56	0.49
	1.0	-	-	-	-	1.02	0.91	0.82	0.73	0.66	0.59	0.53	0.47
	0.0	-	-	-	-	1.16	1.00	0.88	0.78	0.70	0.63	0.57	0.51
	-1.0	-	-	1.74	1.40	1.16	1.00	0.87	0.77	0.69	0.62	0.56	-
	-2.0	-	-	1.75	1.42	1.19	1.02	0.88	0.78	0.70	0.63	-	-
	-3.0	-	-	-	-	1.23	1.05	0.92	0.81	0.73	-	-	-
	-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
2cL	RAIL	$\pm 40^\circ - \pm 60^\circ$ Over Osc End		66%
				
	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	-	-	-	-	-	-	2.16	1.83	-	-	-	-
	6.0	-	-	-	-	-	-	2.15	1.85	1.59	-	-	-
	5.0	-	-	-	-	-	2.41	2.07	1.80	1.57	1.36	-	-
	4.0	-	-	-	-	3.05	2.61	2.25	1.96	1.71	1.50	1.32	1.16
	3.0	-	-	-	-	2.34	2.06	1.82	1.60	1.42	1.26	1.12	0.99
	2.0	-	-	-	-	-	1.90	1.69	1.50	1.34	1.20	1.07	0.96
	1.0	-	-	-	-	2.04	1.80	1.60	1.43	1.28	1.15	1.03	0.93
	0.0	-	-	-	-	2.36	2.01	1.75	1.55	1.38	1.23	1.11	1.01
	-1.0	-	-	3.71	2.90	2.38	2.01	1.74	1.53	1.36	1.22	1.10	-
	-2.0	-	-	3.72	2.94	2.41	2.04	1.76	1.54	1.37	1.23	-	-
	-3.0	-	-	-	-	2.48	2.10	1.81	1.59	1.43	-	-	-
	-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

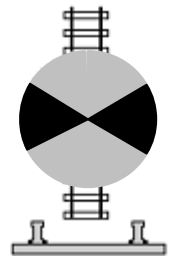
RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
2dU	RAIL	+/- 60° - +/- 120°		66%
				
	0 - 50mm			

RADIUS

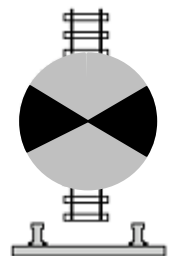
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-
	7.0	-	-	-	-	-	-	1.02	0.84	-	-	-	-
	6.0	-	-	-	-	-	-	1.01	0.85	0.72	-	-	-
	5.0	-	-	-	-	-	1.13	0.96	0.82	0.70	0.59	-	-
	4.0	-	-	-	-	1.38	1.18	1.02	0.88	0.76	0.65	0.56	0.48
	3.0	-	-	-	-	1.00	0.89	0.78	0.68	0.59	0.52	0.45	0.38
	2.0	-	-	-	-	-	0.78	0.69	0.61	0.54	0.47	0.41	0.36
	1.0	-	-	-	-	0.80	0.71	0.63	0.56	0.49	0.44	0.38	0.34
	0.0	-	-	-	-	0.91	0.77	0.67	0.59	0.52	0.46	0.41	0.37
	-1.0	-	-	1.46	1.13	0.92	0.77	0.67	0.58	0.51	0.45	0.40	-
	-2.0	-	-	1.47	1.16	0.95	0.79	0.68	0.59	0.52	0.46	-	-
	-3.0	-	-	-	-	0.99	0.83	0.71	0.62	0.56	-	-	-
	-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
2dL	RAIL	+/- 60° - +/- 120°		66%
				
	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	-	-	-	-	-	-	1.89	1.59	-	-	-	-
	6.0	-	-	-	-	-	-	1.88	1.61	1.37	-	-	-
	5.0	-	-	-	-	-	2.11	1.81	1.55	1.34	1.16	-	-
	4.0	-	-	-	-	2.66	2.27	1.95	1.69	1.47	1.28	1.12	0.97
	3.0	-	-	-	-	2.00	1.76	1.55	1.36	1.20	1.06	0.93	0.81
	2.0	-	-	-	-	-	1.60	1.42	1.26	1.12	0.99	0.88	0.78
	1.0	-	-	-	-	1.70	1.50	1.33	1.18	1.05	0.94	0.84	0.75
	0.0	-	-	-	-	1.97	1.67	1.45	1.28	1.13	1.01	0.91	0.82
	-1.0	-	-	3.15	2.44	1.99	1.67	1.44	1.26	1.11	0.99	0.89	-
	-2.0	-	-	3.16	2.48	2.02	1.70	1.46	1.27	1.13	1.01	-	-
	-3.0	-	-	-	-	2.09	1.76	1.51	1.32	1.18	-	-	-
	-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

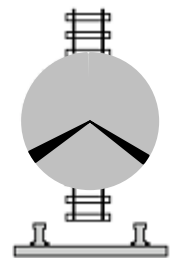
RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
2eU	RAIL	+/- 120° - +/- 130° Over Fixed End		66%
				
	0 - 50mm			

RADIUS

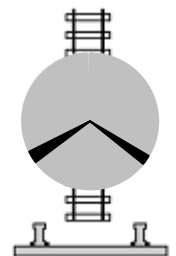
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-
	7.0	-	-	-	-	-	-	1.27	1.08	-	-	-	-
	6.0	-	-	-	-	-	-	1.26	1.09	0.94	-	-	-
	5.0	-	-	-	-	-	1.40	1.21	1.06	0.93	0.81	-	-
	4.0	-	-	-	-	1.69	1.47	1.29	1.13	1.00	0.88	0.78	0.68
	3.0	-	-	-	-	1.31	1.17	1.04	0.93	0.83	0.74	0.66	0.58
	2.0	-	-	-	-	-	1.07	0.96	0.86	0.78	0.70	0.62	0.56
	1.0	-	-	-	-	1.12	1.00	0.90	0.81	0.73	0.66	0.60	0.54
	0.0	-	-	-	-	1.27	1.10	0.97	0.87	0.78	0.71	0.64	0.58
	-1.0	-	-	1.87	1.51	1.27	1.10	0.96	0.86	0.77	0.69	0.63	-
	-2.0	-	-	1.87	1.54	1.30	1.12	0.98	0.87	0.78	0.70	-	-
	-3.0	-	-	-	-	1.34	1.15	1.01	0.90	0.81	-	-	-
	-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
2eL	RAIL	+/- 120° - +/- 130° Over Fixed End		66%
				
	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	-	-	-	-	-	-	2.52	2.18	-	-	-	-
	6.0	-	-	-	-	-	-	2.51	2.20	1.94	-	-	-
	5.0	-	-	-	-	-	2.81	2.45	2.16	1.91	1.70	-	-
	4.0	-	-	-	-	3.56	3.07	2.68	2.35	2.09	1.86	1.66	1.49
	3.0	-	-	-	-	2.86	2.52	2.24	2.00	1.79	1.62	1.46	1.31
	2.0	-	-	-	-	-	2.39	2.14	1.92	1.73	1.56	1.42	1.29
	1.0	-	-	-	-	2.61	2.31	2.06	1.85	1.68	1.52	1.39	1.27
	0.0	-	-	-	-	3.01	2.59	2.27	2.02	1.81	1.64	1.49	1.36
	-1.0	-	-	4.51	3.62	3.02	2.59	2.26	2.01	1.80	1.63	1.48	-
	-2.0	-	-	4.52	3.65	3.05	2.61	2.28	2.02	1.81	1.64	-	-
	-3.0	-	-	-	-	3.10	2.66	2.32	2.06	1.86	-	-	-
	-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

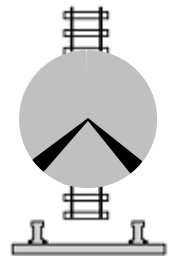
RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
2fU	RAIL	+/- 130° - +/- 140° Over Fixed End		66%
				
	0 - 50mm			

RADIUS

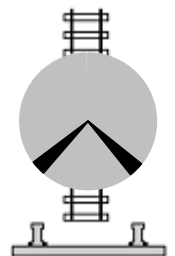
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-
	7.0	-	-	-	-	-	-	1.42	1.22	-	-	-	-
	6.0	-	-	-	-	-	-	1.41	1.23	1.07	-	-	-
	5.0	-	-	-	-	-	1.56	1.36	1.20	1.05	0.93	-	-
	4.0	-	-	-	-	1.90	1.66	1.46	1.29	1.14	1.01	0.90	0.79
	3.0	-	-	-	-	1.49	1.34	1.20	1.07	0.96	0.86	0.77	0.68
	2.0	-	-	-	-	-	1.23	1.11	1.00	0.90	0.82	0.74	0.66
	1.0	-	-	-	-	1.30	1.17	1.05	0.95	0.86	0.78	0.71	0.64
	0.0	-	-	-	-	1.47	1.28	1.14	1.02	0.92	0.83	0.76	0.69
	-1.0	-	-	2.14	1.75	1.48	1.28	1.13	1.01	0.91	0.82	0.75	-
	-2.0	-	-	2.15	1.78	1.50	1.30	1.14	1.02	0.91	0.83	-	-
	-3.0	-	-	-	-	1.55	1.34	1.18	1.05	0.95	-	-	-
	-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
2fL	RAIL	+/- 130° - +/- 140° Over Fixed End		66%
				
	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	-	-	-	-	-	-	2.77	2.41	-	-	-	-
	6.0	-	-	-	-	-	-	2.76	2.43	2.14	-	-	-
	5.0	-	-	-	-	-	3.09	2.70	2.39	2.12	1.89	-	-
	4.0	-	-	-	-	3.92	3.39	2.96	2.60	2.31	2.07	1.86	1.67
	3.0	-	-	-	-	3.17	2.80	2.49	2.23	2.00	1.81	1.64	1.48
	2.0	-	-	-	-	-	2.67	2.39	2.14	1.94	1.76	1.60	1.45
	1.0	-	-	-	-	2.93	2.59	2.31	2.08	1.88	1.71	1.56	1.43
	0.0	-	-	-	-	3.37	2.90	2.55	2.27	2.04	1.85	1.68	1.54
	-1.0	-	-	5.02	4.04	3.38	2.90	2.54	2.26	2.03	1.83	1.67	-
	-2.0	-	-	5.03	4.07	3.41	2.92	2.55	2.27	2.03	1.85	-	-
	-3.0	-	-	-	-	3.46	2.97	2.60	2.31	2.08	-	-	-
	-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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RATED LIFT CAPACITY CHART

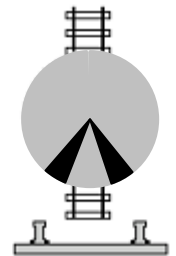
RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
2gU	RAIL	+/- 140° - +/- 160° Over Fixed End		66%
				
	0 - 50mm			

RADIUS

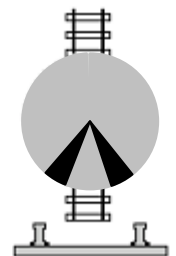
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-
	7.0	-	-	-	-	-	-	1.69	1.46	-	-	-	-
	6.0	-	-	-	-	-	-	1.68	1.48	1.30	-	-	-
	5.0	-	-	-	-	-	1.86	1.63	1.44	1.28	1.14	-	-
	4.0	-	-	-	-	2.27	1.99	1.75	1.55	1.38	1.24	1.11	0.99
	3.0	-	-	-	-	1.82	1.63	1.46	1.31	1.18	1.07	0.96	0.87
	2.0	-	-	-	-	-	1.53	1.38	1.25	1.13	1.03	0.93	0.85
	1.0	-	-	-	-	1.63	1.46	1.32	1.20	1.09	0.99	0.90	0.83
	0.0	-	-	-	-	1.84	1.61	1.43	1.29	1.17	1.06	0.97	0.89
	-1.0	-	-	2.64	2.17	1.85	1.61	1.43	1.28	1.15	1.05	0.96	-
	-2.0	-	-	2.64	2.20	1.87	1.63	1.44	1.29	1.16	1.06	-	-
	-3.0	-	-	-	-	1.91	1.67	1.47	1.32	1.20	-	-	-
	-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
2gL	RAIL	+/- 140° - +/- 160° Over Fixed End		66%
				
	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	-	-	-	-	-	-	3.23	2.82	-	-	-	-
	6.0	-	-	-	-	-	-	3.22	2.83	2.51	-	-	-
	5.0	-	-	-	-	-	3.61	3.16	2.79	2.49	2.22	-	-
	4.0	-	-	-	-	4.62	3.98	3.47	3.06	2.72	2.43	2.19	1.98
	3.0	-	-	-	-	3.76	3.31	2.94	2.63	2.37	2.14	1.94	1.76
	2.0	-	-	-	-	-	3.18	2.84	2.55	2.30	2.09	1.90	1.74
	1.0	-	-	-	-	3.51	3.09	2.76	2.48	2.25	2.04	1.87	1.71
	0.0	-	-	-	-	4.05	3.48	3.05	2.72	2.44	2.21	2.02	1.85
	-1.0	-	-	6.07	4.87	4.06	3.48	3.04	2.70	2.43	2.20	2.00	-
	-2.0	-	-	5.54b	4.90	4.09	3.50	3.06	2.71	2.43	2.21	-	-
	-3.0	-	-	-	-	4.15	3.55	3.10	2.76	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).
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RATED LIFT CAPACITY CHART

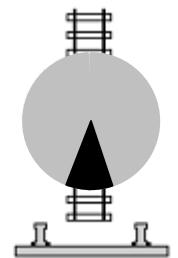
RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
2hU	RAIL	+/- 20° Over Fixed End		66%
				
	0 - 50mm			

RADIUS

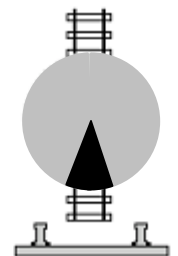
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-
	7.0	-	-	-	-	-	-	3.03	2.66	-	-	-	-
	6.0	-	-	-	-	-	-	3.03	2.67	2.38	-	-	-
	5.0	-	-	-	-	-	3.38	2.97	2.64	2.36	2.12	-	-
	4.0	-	-	-	-	4.31	3.72	3.26	2.88	2.57	2.31	2.08	1.89
	3.0	-	-	-	-	3.53	3.12	2.78	2.49	2.25	2.04	1.86	1.69
	2.0	-	-	-	-	-	3.01	2.69	2.42	2.19	1.99	1.82	1.67
	1.0	-	-	-	-	3.31	2.93	2.62	2.36	2.14	1.96	1.79	1.65
	0.0	-	-	-	-	3.81	3.29	2.90	2.59	2.33	2.11	1.93	1.77
	-1.0	-	-	5.62	4.55	3.82	3.29	2.89	2.57	2.32	2.10	1.92	-
	-2.0	-	-	5.54b	4.58	3.84	3.31	2.90	2.58	2.32	2.11	-	-
	-3.0	-	-	-	-	3.89	3.35	2.94	2.62	2.37	-	-	-
	-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
2hL	RAIL	+/- 20° Over Fixed End		66%
				
	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	-	-	-	-	-	-	3.45	3.03	-	-	-	-
	6.0	-	-	-	-	-	-	3.44	3.05	2.71	-	-	-
	5.0	-	-	-	-	-	3.85	3.38	3.00	2.69	2.41	-	-
	4.0	-	-	-	-	4.90	4.24	3.71	3.29	2.93	2.63	2.38	2.15
	3.0	-	-	-	-	4.03	3.56	3.17	2.84	2.57	2.33	2.12	1.93
	2.0	-	-	-	-	-	3.43	3.07	2.76	2.50	2.28	2.08	1.91
	1.0	-	-	-	-	3.78	3.35	2.99	2.70	2.45	2.23	2.05	1.88
	0.0	-	-	-	-	4.35	3.76	3.31	2.95	2.66	2.41	2.21	2.03
	-1.0	-	-	6.09b	5.19	4.36	3.76	3.30	2.94	2.64	2.40	2.20	-
	-2.0	-	-	5.54b	5.22	4.39	3.78	3.31	2.95	2.65	2.41	-	-
	-3.0	-	-	-	-	4.31b	3.83	3.36	2.99	2.70	-	-	-
	-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

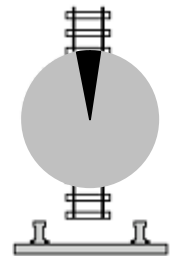
RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H500093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
3aU	RAIL  50 - 150mm	+/- 10° Over Osc End		66%

RADIUS

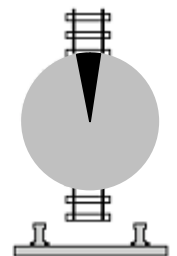
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	1.60	1.36	-	-	-	-
6.0	-	-	-	-	-	-	-	1.59	1.37	1.19	-	-	-
5.0	-	-	-	-	-	-	1.78	1.54	1.34	1.17	1.02	-	-
4.0	-	-	-	-	2.23	1.92	1.66	1.45	1.27	1.12	0.99	0.87	-
3.0	-	-	-	-	-	1.73	1.53	1.35	1.20	1.06	0.95	0.84	0.75
2.0	-	-	-	-	-	-	1.41	1.26	1.12	1.01	0.90	0.81	0.72
1.0	-	-	-	-	-	1.51	1.34	1.19	1.07	0.96	0.86	0.78	0.70
0.0	-	-	-	-	1.74	1.49	1.30	1.15	1.03	0.93	0.84	0.76	-
-1.0	-	-	2.67	2.11	1.75	1.49	1.29	1.14	1.02	0.92	0.83	-	-
-2.0	-	-	2.68	2.14	1.77	1.51	1.31	1.15	1.03	0.93	-	-	-
-3.0	-	-	-	-	1.82	1.55	1.35	1.19	1.07	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
3aL	RAIL  50 - 150mm	+/- 10° Over Osc End		66%

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	-	-	-	-	-	-	-	2.92	2.50	-	-	-	-
6.0	-	-	-	-	-	-	-	2.91	2.52	2.19	-	-	-
5.0	-	-	-	-	-	-	3.28	2.83	2.47	2.16	1.90	-	-
4.0	-	-	-	-	4.26	3.62	3.11	2.71	2.37	2.10	1.86	1.65	-
3.0	-	-	-	-	-	3.33	2.91	2.56	2.26	2.01	1.80	1.61	1.44
2.0	-	-	-	-	-	-	2.74	2.42	2.16	1.93	1.73	1.56	1.41
1.0	-	-	-	-	-	3.01	2.63	2.33	2.08	1.86	1.68	1.52	1.38
0.0	-	-	-	-	3.52	2.98	2.58	2.28	2.03	1.82	1.64	1.49	-
-1.0	-	-	5.59	4.33	3.53	2.98	2.57	2.26	2.01	1.80	1.63	-	-
-2.0	-	-	5.54b	4.38	3.57	3.01	2.59	2.27	2.02	1.81	-	-	-
-3.0	-	-	-	-	3.65	3.07	2.65	2.32	2.08	-	-	-	-
-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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RATED LIFT CAPACITY CHART

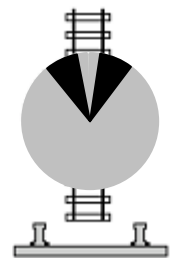
RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
3bU	RAIL  50 - 150mm	+/- 10° - +/- 40° Over Osc End		66%

RADIUS

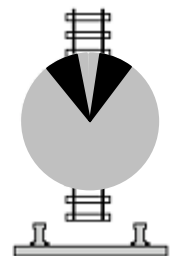
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	1.13	0.95	-	-	-	-
6.0	-	-	-	-	-	-	-	1.12	0.96	0.82	-	-	-
5.0	-	-	-	-	-	-	1.24	1.07	0.93	0.81	0.70	-	-
4.0	-	-	-	-	1.50	1.30	1.14	0.99	0.87	0.76	0.67	0.58	-
3.0	-	-	-	-	-	1.14	1.02	0.90	0.80	0.71	0.63	0.55	0.48
2.0	-	-	-	-	-	-	0.91	0.82	0.74	0.66	0.59	0.52	0.46
1.0	-	-	-	-	-	0.95	0.85	0.76	0.68	0.61	0.55	0.49	0.44
0.0	-	-	-	-	1.07	0.93	0.82	0.73	0.65	0.59	0.53	0.48	-
-1.0	-	-	1.61	1.29	1.08	0.93	0.81	0.72	0.64	0.58	0.52	-	-
-2.0	-	-	1.62	1.32	1.10	0.94	0.82	0.73	0.65	0.58	-	-	-
-3.0	-	-	-	-	1.14	0.98	0.86	0.76	0.69	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
3bL	RAIL  50 - 150mm	+/- 10° - +/- 40° Over Osc End		66%

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	-	-	-	-	-	-	-	1.95	1.64	-	-	-	-
6.0	-	-	-	-	-	-	-	1.94	1.66	1.41	-	-	-
5.0	-	-	-	-	-	-	2.19	1.87	1.60	1.38	1.19	-	-
4.0	-	-	-	-	2.78	2.36	2.02	1.74	1.51	1.32	1.15	1.00	-
3.0	-	-	-	-	-	2.09	1.83	1.60	1.41	1.24	1.09	0.96	0.84
2.0	-	-	-	-	-	-	1.66	1.47	1.30	1.16	1.03	0.91	0.81
1.0	-	-	-	-	-	1.78	1.56	1.38	1.22	1.09	0.97	0.87	0.78
0.0	-	-	-	-	2.07	1.74	1.51	1.33	1.17	1.05	0.94	0.84	-
-1.0	-	-	3.33	2.57	2.08	1.74	1.50	1.31	1.16	1.03	0.93	-	-
-2.0	-	-	3.35	2.61	2.12	1.77	1.52	1.32	1.17	1.04	-	-	-
-3.0	-	-	-	-	2.19	1.83	1.57	1.37	1.23	-	-	-	-
-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

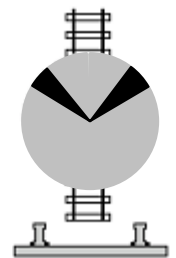
RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
3cU	RAIL  50 - 150mm	+/- 40° - +/- 60° Over Osc End		66%

RADIUS

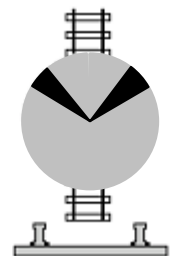
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	1.04	0.87	-	-	-	-
6.0	-	-	-	-	-	-	-	1.03	0.88	0.75	-	-	-
5.0	-	-	-	-	-	-	1.14	0.98	0.85	0.73	0.63	-	-
4.0	-	-	-	-	1.37	1.19	1.04	0.90	0.79	0.69	0.60	0.51	-
3.0	-	-	-	-	-	1.03	0.92	0.81	0.72	0.63	0.56	0.49	0.42
2.0	-	-	-	-	-	-	0.81	0.73	0.65	0.58	0.52	0.46	0.40
1.0	-	-	-	-	-	0.84	0.75	0.67	0.60	0.54	0.48	0.43	0.38
0.0	-	-	-	-	0.95	0.82	0.72	0.64	0.57	0.51	0.46	0.41	-
-1.0	-	-	1.44	1.15	0.96	0.82	0.71	0.63	0.56	0.50	0.45	-	-
-2.0	-	-	1.45	1.18	0.98	0.83	0.72	0.64	0.56	0.51	-	-	-
-3.0	-	-	-	-	1.02	0.87	0.76	0.67	0.60	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
3cL	RAIL  50 - 150mm	+/- 40° - +/- 60° Over Osc End		66%

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	-	-	-	-	-	-	-	1.87	1.55	-	-	-	-
6.0	-	-	-	-	-	-	-	1.86	1.57	1.32	-	-	-
5.0	-	-	-	-	-	-	2.10	1.78	1.52	1.30	1.11	-	-
4.0	-	-	-	-	2.71	2.28	1.93	1.65	1.42	1.23	1.06	0.91	-
3.0	-	-	-	-	-	1.99	1.73	1.50	1.31	1.14	1.00	0.87	0.75
2.0	-	-	-	-	-	-	1.55	1.37	1.20	1.06	0.93	0.82	0.72
1.0	-	-	-	-	-	1.66	1.45	1.27	1.12	0.99	0.88	0.78	0.69
0.0	-	-	-	-	1.95	1.63	1.39	1.21	1.07	0.95	0.84	0.75	-
-1.0	-	-	3.29	2.47	1.96	1.63	1.38	1.20	1.05	0.93	0.83	-	-
-2.0	-	-	3.30	2.51	2.00	1.65	1.40	1.21	1.06	0.94	-	-	-
-3.0	-	-	-	-	2.08	1.72	1.46	1.26	1.12	-	-	-	-
-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

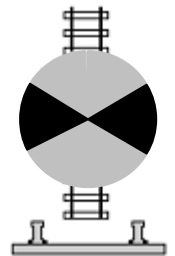
RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
3dU	RAIL  50 - 150mm	+/- 60° - +/- 120°		66%

RADIUS

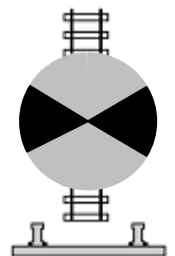
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT													
8.0	-	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	0.91	0.74	-	-	-	-
6.0	-	-	-	-	-	-	-	0.91	0.76	0.63	-	-	-
5.0	-	-	-	-	-	-	1.01	0.85	0.72	0.61	0.51	-	-
4.0	-	-	-	-	1.23	1.05	0.90	0.77	0.66	0.56	0.48	0.40	-
3.0	-	-	-	-	-	0.87	0.77	0.67	0.58	0.50	0.43	0.37	0.30
2.0	-	-	-	-	-	-	0.66	0.58	0.51	0.45	0.39	0.33	0.28
1.0	-	-	-	-	-	0.66	0.59	0.52	0.46	0.40	0.35	0.30	0.26
0.0	-	-	-	-	0.76	0.64	0.55	0.48	0.42	0.37	0.33	0.29	-
-1.0	-	-	1.26	0.96	0.77	0.64	0.55	0.47	0.41	0.36	0.32	-	-
-2.0	-	-	1.27	0.99	0.80	0.66	0.56	0.48	0.42	0.37	-	-	-
-3.0	-	-	-	-	0.84	0.70	0.60	0.52	0.46	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
3dL	RAIL  50 - 150mm	+/- 60° - +/- 120°		66%

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	-	-	-	-	-	-	-	1.72	1.42	-	-	-	-
6.0	-	-	-	-	-	-	-	1.71	1.44	1.22	-	-	-
5.0	-	-	-	-	-	-	1.92	1.63	1.39	1.19	1.02	-	-
4.0	-	-	-	-	2.42	2.05	1.75	1.51	1.30	1.13	0.98	0.84	-
3.0	-	-	-	-	-	1.78	1.56	1.37	1.20	1.05	0.92	0.80	0.69
2.0	-	-	-	-	-	-	1.40	1.24	1.09	0.97	0.85	0.75	0.66
1.0	-	-	-	-	-	1.48	1.30	1.15	1.02	0.90	0.80	0.71	0.63
0.0	-	-	-	-	1.72	1.45	1.25	1.10	0.97	0.86	0.77	0.68	-
-1.0	-	-	2.80	2.15	1.73	1.45	1.24	1.08	0.95	0.84	0.75	-	-
-2.0	-	-	2.82	2.19	1.77	1.47	1.26	1.09	0.96	0.86	-	-	-
-3.0	-	-	-	-	1.84	1.53	1.31	1.14	1.02	-	-	-	-
-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

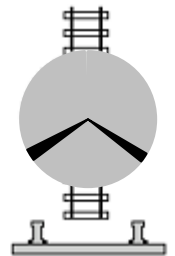
RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
3eU	RAIL  50 - 150mm	+/- 120° - +/- 130° Over Fixed End		66%

RADIUS

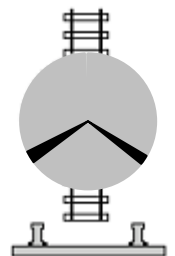
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	1.06	0.89	-	-	-	-
6.0	-	-	-	-	-	-	-	1.06	0.90	0.77	-	-	-
5.0	-	-	-	-	-	-	1.17	1.01	0.87	0.75	0.65	-	-
4.0	-	-	-	-	1.41	1.23	1.07	0.93	0.81	0.71	0.62	0.53	-
3.0	-	-	-	-	-	1.06	0.95	0.84	0.74	0.66	0.58	0.51	0.44
2.0	-	-	-	-	-	-	0.84	0.76	0.68	0.60	0.54	0.47	0.42
1.0	-	-	-	-	-	0.87	0.78	0.70	0.63	0.56	0.50	0.45	0.40
0.0	-	-	-	-	0.98	0.85	0.75	0.66	0.59	0.53	0.48	0.43	-
-1.0	-	-	1.49	1.19	0.99	0.85	0.74	0.65	0.58	0.52	0.47	-	-
-2.0	-	-	1.50	1.22	1.02	0.87	0.75	0.66	0.59	0.53	-	-	-
-3.0	-	-	-	-	1.06	0.90	0.79	0.70	0.63	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
3eL	RAIL  50 - 150mm	+/- 120° - +/- 130° Over Fixed End		66%

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	-	-	-	-	-	-	-	2.22	1.89	-	-	-	-
6.0	-	-	-	-	-	-	-	2.21	1.91	1.65	-	-	-
5.0	-	-	-	-	-	-	2.47	2.14	1.86	1.62	1.42	-	-
4.0	-	-	-	-	3.11	2.67	2.31	2.02	1.77	1.56	1.38	1.22	-
3.0	-	-	-	-	-	2.41	2.13	1.88	1.67	1.48	1.32	1.18	1.04
2.0	-	-	-	-	-	-	1.97	1.76	1.57	1.40	1.26	1.13	1.01
1.0	-	-	-	-	-	2.12	1.87	1.67	1.49	1.34	1.21	1.09	0.98
0.0	-	-	-	-	2.44	2.09	1.83	1.62	1.45	1.30	1.17	1.06	-
-1.0	-	-	3.76	2.98	2.46	2.09	1.82	1.60	1.43	1.28	1.16	-	-
-2.0	-	-	3.78	3.01	2.49	2.12	1.83	1.61	1.44	1.30	-	-	-
-3.0	-	-	-	-	2.56	2.17	1.88	1.66	1.50	-	-	-	-
-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

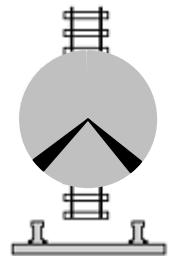
RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093(Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
3fU	RAIL  50 - 150mm	+/- 130° - +/- 140° Over Fixed End		66%

RADIUS

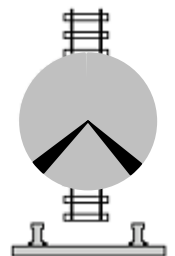
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	1.15	0.97	-	-	-	-
6.0	-	-	-	-	-	-	-	1.14	0.98	0.84	-	-	-
5.0	-	-	-	-	-	-	1.27	1.09	0.95	0.83	0.71	-	-
4.0	-	-	-	-	1.53	1.33	1.16	1.02	0.89	0.78	0.69	0.60	-
3.0	-	-	-	-	-	1.16	1.04	0.93	0.82	0.73	0.65	0.57	0.50
2.0	-	-	-	-	-	-	0.94	0.84	0.76	0.68	0.60	0.54	0.48
1.0	-	-	-	-	-	0.97	0.87	0.78	0.71	0.63	0.57	0.51	0.46
0.0	-	-	-	-	1.10	0.95	0.84	0.75	0.67	0.61	0.55	0.49	-
-1.0	-	-	1.65	1.33	1.11	0.96	0.84	0.74	0.66	0.59	0.54	-	-
-2.0	-	-	1.66	1.35	1.13	0.97	0.85	0.75	0.67	0.60	-	-	-
-3.0	-	-	-	-	1.18	1.01	0.88	0.78	0.71	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
3fL	RAIL  50 - 150mm	+/- 130° - +/- 140° Over Fixed End		66%

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	-	-	-	-	-	-	-	2.57	2.17	-	-	-	-
6.0	-	-	-	-	-	-	-	2.56	2.20	1.89	-	-	-
5.0	-	-	-	-	-	-	2.91	2.48	2.14	1.86	1.62	-	-
4.0	-	-	-	-	3.80	3.20	2.73	2.35	2.05	1.79	1.57	1.38	-
3.0	-	-	-	-	-	2.90	2.52	2.20	1.93	1.70	1.51	1.34	1.18
2.0	-	-	-	-	-	-	2.34	2.06	1.82	1.62	1.44	1.29	1.15
1.0	-	-	-	-	-	2.57	2.23	1.96	1.74	1.55	1.39	1.25	1.12
0.0	-	-	-	-	3.02	2.53	2.18	1.90	1.69	1.50	1.35	1.22	-
-1.0	-	-	4.99	3.78	3.04	2.53	2.16	1.89	1.67	1.49	1.34	-	-
-2.0	-	-	5.01	3.83	3.08	2.56	2.18	1.90	1.68	1.50	-	-	-
-3.0	-	-	-	-	3.15	2.63	2.24	1.96	1.74	-	-	-	-
-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

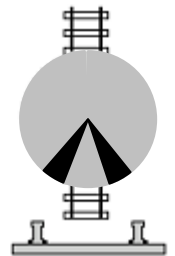
RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
3gU	RAIL  50 - 150mm	+/- 140° - +/- 160° Over Fixed End		66%

RADIUS

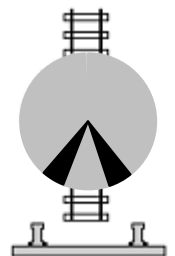
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	1.33	1.13	-	-	-	-
6.0	-	-	-	-	-	-	-	1.32	1.15	1.00	-	-	-
5.0	-	-	-	-	-	-	1.46	1.27	1.11	0.98	0.85	-	-
4.0	-	-	-	-	1.77	1.55	1.36	1.20	1.06	0.93	0.83	0.73	-
3.0	-	-	-	-	-	1.38	1.24	1.10	0.99	0.88	0.79	0.70	0.62
2.0	-	-	-	-	-	-	1.13	1.02	0.92	0.83	0.74	0.67	0.60
1.0	-	-	-	-	-	1.19	1.07	0.96	0.87	0.79	0.71	0.64	0.58
0.0	-	-	-	-	1.35	1.17	1.04	0.93	0.84	0.76	0.69	0.62	-
-1.0	-	-	1.98	1.61	1.36	1.17	1.03	0.92	0.82	0.75	0.68	-	-
-2.0	-	-	1.99	1.63	1.38	1.19	1.04	0.93	0.83	0.75	-	-	-
-3.0	-	-	-	-	1.42	1.23	1.08	0.96	0.87	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
3gL	RAIL  50 - 150mm	+/- 140° - +/- 160° Over Fixed End		66%

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	-	-	-	-	-	-	-	2.80	2.45	-	-	-	-
6.0	-	-	-	-	-	-	-	2.80	2.47	2.19	-	-	-
5.0	-	-	-	-	-	-	3.11	2.74	2.43	2.17	1.94	-	-
4.0	-	-	-	-	3.90	3.40	2.98	2.64	2.36	2.12	1.91	1.72	-
3.0	-	-	-	-	-	3.19	2.84	2.53	2.28	2.05	1.86	1.69	1.54
2.0	-	-	-	-	-	-	2.71	2.43	2.20	1.99	1.81	1.65	1.51
1.0	-	-	-	-	-	2.96	2.63	2.36	2.14	1.94	1.77	1.62	1.49
0.0	-	-	-	-	3.38	2.93	2.60	2.32	2.10	1.91	1.74	1.60	-
-1.0	-	-	4.91	4.01	3.39	2.93	2.59	2.31	2.08	1.89	1.73	-	-
-2.0	-	-	4.92	4.04	3.42	2.96	2.60	2.32	2.09	1.90	-	-	-
-3.0	-	-	-	-	3.47	3.00	2.64	2.36	2.14	-	-	-	-
-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

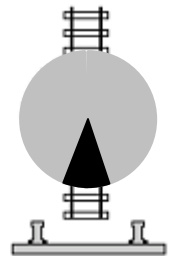
RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
3hU	RAIL  50 - 150mm	+/- 20° Over Fixed End		66%

RADIUS

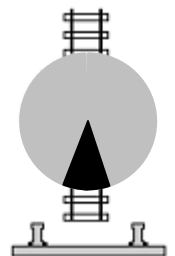
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00
HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	-	-	2.78	2.47	-	-	-	-
6.0	-	-	-	-	-	-	-	2.78	2.48	2.23	-	-	-
5.0	-	-	-	-	-	-	3.06	2.73	2.45	2.21	2.00	-	-
4.0	-	-	-	-	3.77	3.33	2.96	2.65	2.39	2.16	1.97	1.80	-
3.0	-	-	-	-	-	3.16	2.84	2.56	2.32	2.11	1.93	1.77	1.62
2.0	-	-	-	-	-	-	2.73	2.48	2.25	2.06	1.89	1.74	1.60
1.0	-	-	-	-	-	2.97	2.67	2.42	2.20	2.02	1.85	1.71	1.58
0.0	-	-	-	-	3.35	2.95	2.64	2.38	2.17	1.99	1.83	1.69	-
-1.0	-	-	4.65	3.90	3.36	2.95	2.63	2.37	2.16	1.98	1.82	-	-
-2.0	-	-	4.65	3.92	3.38	2.97	2.64	2.38	2.17	1.99	-	-	-
-3.0	-	-	-	-	3.42	3.00	2.68	2.41	2.20	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
3hL	RAIL  50 - 150mm	+/- 20° Over Fixed End		66%

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	-	-	-	-	-	-	-	3.45	3.03	-	-	-	-
6.0	-	-	-	-	-	-	-	3.44	3.05	2.71	-	-	-
5.0	-	-	-	-	-	-	3.85	3.38	3.00	2.69	2.41	-	-
4.0	-	-	-	-	4.90	4.24	3.71	3.29	2.93	2.63	2.38	2.15	-
3.0	-	-	-	-	-	4.03	3.56	3.17	2.84	2.57	2.33	2.12	1.93
2.0	-	-	-	-	-	-	3.43	3.07	2.76	2.50	2.28	2.08	1.91
1.0	-	-	-	-	-	3.78	3.35	2.99	2.70	2.45	2.23	2.05	1.88
0.0	-	-	-	-	4.35	3.76	3.31	2.95	2.66	2.41	2.21	2.03	-
-1.0	-	-	6.09b	5.19	4.36	3.76	3.30	2.94	2.64	2.40	2.20	-	-
-2.0	-	-	5.54b	5.22	4.39	3.78	3.31	2.95	2.65	2.41	-	-	-
-3.0	-	-	-	-	4.31b	3.83	3.36	2.99	2.70	-	-	-	-
-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	16/09/2013	Serial No.	H50093 (Rail Axle 2344)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboom, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
4aU	RAIL  151 - 178mm	360.0°		66%

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	-	-	-	-	-	-	-	0.83	0.67	-	-	-	-
6.0	-	-	-	-	-	-	-	0.82	0.68	0.56	-	-	-
5.0	-	-	-	-	-	-	0.92	0.77	0.65	0.54	0.45	-	-
4.0	-	-	-	-	1.11	0.95	0.81	0.69	0.59	0.50	0.42	0.34	-
3.0	-	-	-	-	-	0.77	0.68	0.59	0.51	0.44	0.37	0.31	0.25
2.0	-	-	-	-	-	-	0.57	0.50	0.44	0.38	0.33	0.28	0.23
1.0	-	-	-	-	-	0.56	0.50	0.44	0.39	0.34	0.29	0.25	0.18
0.0	-	-	-	-	0.65	0.54	0.47	0.41	0.36	0.31	0.27	0.23	-
-1.0	-	-	1.09	0.82	0.66	0.54	0.46	0.39	0.34	0.30	0.26	-	-
-2.0	-	-	1.10	0.85	0.68	0.56	0.47	0.40	0.35	0.31	-	-	-
-3.0	-	-	-	-	0.73	0.60	0.51	0.44	0.39	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
4aL	RAIL  151 - 178mm	360.0°		66%

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	-	-	-	-	-	-	-	1.20	1.01	-	-	-	-
6.0	-	-	-	-	-	-	-	1.20	1.02	0.87	-	-	-
5.0	-	-	-	-	-	-	1.32	1.14	0.99	0.85	0.73	-	-
4.0	-	-	-	-	1.59	1.39	1.21	1.05	0.92	0.80	0.70	0.61	-
3.0	-	-	-	-	-	1.20	1.07	0.95	0.84	0.74	0.66	0.58	0.50
2.0	-	-	-	-	-	-	0.96	0.86	0.77	0.69	0.61	0.54	0.47
1.0	-	-	-	-	-	0.99	0.88	0.79	0.71	0.64	0.57	0.51	0.45
0.0	-	-	-	-	1.12	0.96	0.85	0.76	0.68	0.61	0.54	0.49	-
-1.0	-	-	1.69	1.35	1.13	0.97	0.84	0.74	0.66	0.59	0.54	-	-
-2.0	-	-	1.70	1.38	1.15	0.98	0.85	0.75	0.67	0.60	-	-	-
-3.0	-	-	-	-	1.20	1.03	0.89	0.79	0.71	-	-	-	-
-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	24 of 24