




# RATED LIFT CAPACITY CHART


# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
<b>1aU</b>	<b>ROAD</b>	360.0°		<b>66%</b>

		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
<b>1aL</b>	<b>ROAD</b>	360.0°		<b>66%</b>

		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	-	-	-	-	-	-	-	-	-	-	-	-	-	-




<b>NOTES</b>	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	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

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

		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
<b>1bL</b>	<b>ROAD</b>	+/- 10° - +/- 45° Over Osc End		<b>66%</b>

		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	-	-	-	-	-	-	-	-	-	-	-	-	-	




<b>NOTES</b>	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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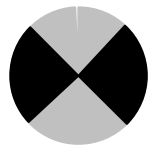
# RATED LIFT CAPACITY CHART


# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

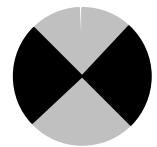
Duty	Config	Sector	Osc Axle	Safety
<b>1cU</b>	<b>ROAD</b>	+/- 45° - +/- 135°		<b>66%</b>

		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
<b>1cL</b>	<b>ROAD</b>	+/- 45° - +/- 135°		<b>66%</b>

		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	-	-	-	-	-	-	-	-	-	-	-	-	-	




<b>NOTES</b>	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	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

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

		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
<b>1dL</b>	<b>ROAD</b>	+/- 135° - +/- 150° Over Fixed End		<b>66%</b>

		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	-	-	-	-	-	-	-	-	-	-	-	-	-	




<b>NOTES</b>	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).
<b>PAGE</b>	5 of 24

# RATED LIFT CAPACITY CHART


# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

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

		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
<b>1eL</b>	<b>ROAD</b>	+/- 150° - +/- 160° Over Fixed End		<b>66%</b>

		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	-	-	-	-	-	-	-	-	-	-	-	-	-




<b>NOTES</b>	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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# RIS 1530

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FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

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

		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
<b>1fL</b>	<b>ROAD</b>	+/- 20° Over Fixed End		<b>66%</b>

		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	-	-	-	-	-	-	-	-	-	-	-	-	-





<b>NOTES</b>	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).
<b>PAGE</b>	7 of 24

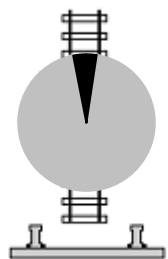
# RATED LIFT CAPACITY CHART



# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

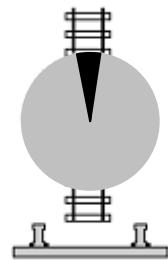
Duty	Config	Sector	Osc Axle	Safety
<b>2aU</b>	<b>RAIL</b>	+/- 10° Over Osc End		<b>66%</b>
				
	<b>0 - 50mm</b>			

		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
<b>2aL</b>	<b>RAIL</b>	+/- 10° Over Osc End		<b>66%</b>
				
	<b>0 - 50mm</b>			

		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	-	-	-	-	-	-	-	-	-	-	-	-	-		



<b>NOTES</b>	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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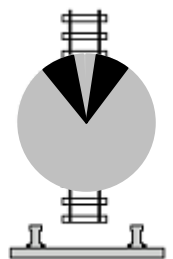
# RATED LIFT CAPACITY CHART

# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

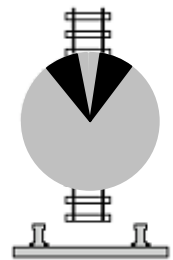
Duty	Config	Sector	Osc Axle	Safety
<b>2bU</b>	<b>RAIL</b>	+/- 10° - +/- 40° Over Osc End		<b>66%</b>
	<b>0 - 50mm</b>			

		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
<b>2bL</b>	<b>RAIL</b>	+/- 10° - +/- 40° Over Osc End		<b>66%</b>
	<b>0 - 50mm</b>			

		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	-	-	-	-	-	-	-	-	-	-	-	-	-	





<b>NOTES</b>	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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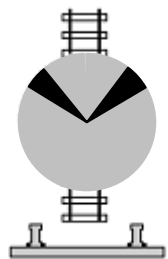
# RATED LIFT CAPACITY CHART



# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

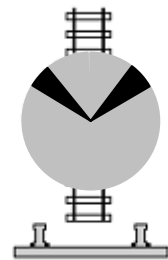
Duty	Config	Sector	Osc Axle	Safety
<b>2cU</b>	<b>RAIL</b>	+/- 40° - +/- 60° Over Osc End		<b>66%</b>
				
	<b>0 - 50mm</b>			

		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
<b>2cL</b>	<b>RAIL</b>	+/- 40° - +/- 60° Over Osc End		<b>66%</b>
				
	<b>0 - 50mm</b>			

		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	-	-	-	-	-	-	-	-	-	-	-	-	-		



<b>NOTES</b>	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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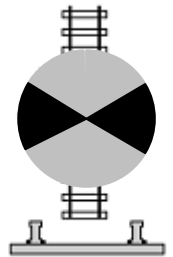
# RATED LIFT CAPACITY CHART

# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

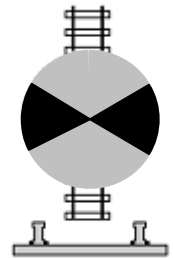
Duty	Config	Sector	Osc Axle	Safety
<b>2dU</b>	<b>RAIL</b>	+/- 60° - +/- 120°		<b>66%</b>
	<b>0 - 50mm</b>			

		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
<b>2dL</b>	<b>RAIL</b>	+/- 60° - +/- 120°		<b>66%</b>
	<b>0 - 50mm</b>			

		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	-	-	-	-	-	-	-	-	-	-	-	-	-	





<b>NOTES</b>	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).
<b>PAGE</b>	11 of 24

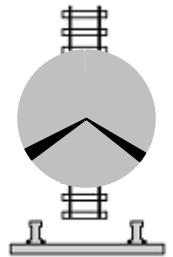
# RATED LIFT CAPACITY CHART



# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

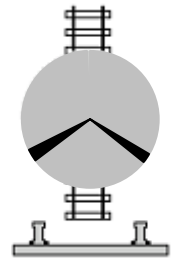
Duty	Config	Sector	Osc Axle	Safety
<b>2eU</b>	<b>RAIL</b>	+/- 120° - +/- 130° Over Fixed End		<b>66%</b>
				
	<b>0 - 50mm</b>			

		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
<b>2eL</b>	<b>RAIL</b>	+/- 120° - +/- 130° Over Fixed End		<b>66%</b>
				
	<b>0 - 50mm</b>			

		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	-	-	-	-	-	-	-	-	-	-	-	-	-		





<b>NOTES</b>	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).
<b>PAGE</b>	12 of 24

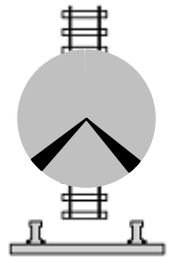
# RATED LIFT CAPACITY CHART



# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

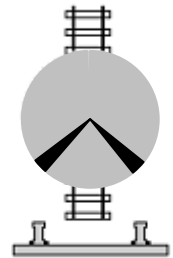
Duty	Config	Sector	Osc Axle	Safety
<b>2fU</b>	<b>RAIL</b>	+/- 130° - +/- 140° Over Fixed End		<b>66%</b>
				
	<b>0 - 50mm</b>			

		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
<b>2fL</b>	<b>RAIL</b>	+/- 130° - +/- 140° Over Fixed End		<b>66%</b>
				
	<b>0 - 50mm</b>			

		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	-	-	-	-	-	-	-	-	-	-	-	-	-		





<b>NOTES</b>	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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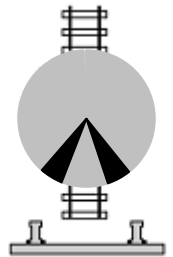
# RATED LIFT CAPACITY CHART



# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

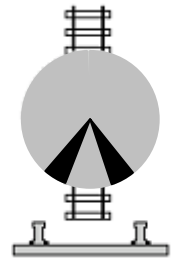
Duty	Config	Sector	Osc Axle	Safety
<b>2gU</b>	<b>RAIL</b>	+/- 140° - +/- 160° Over Fixed End		<b>66%</b>
				
	<b>0 - 50mm</b>			

		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
<b>2gL</b>	<b>RAIL</b>	+/- 140° - +/- 160° Over Fixed End		<b>66%</b>
				
	<b>0 - 50mm</b>			

		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	-	-	-	-	-	-	-	-	-	-	-	-	-		





<b>NOTES</b>	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).
<b>PAGE</b>	14 of 24

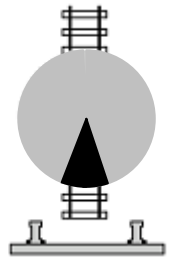
# RATED LIFT CAPACITY CHART



# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

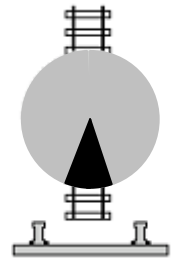
Duty	Config	Sector	Osc Axle	Safety
<b>2hU</b>	<b>RAIL</b>	<b>+/- 20° Over Fixed End</b>		<b>66%</b>
				
	<b>0 - 50mm</b>			

		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
<b>2hL</b>	<b>RAIL</b>	<b>+/- 20° Over Fixed End</b>		<b>66%</b>
				
	<b>0 - 50mm</b>			

		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	-	-	-	-	-	-	-	-	-	-	-	-	-	





<b>NOTES</b>	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).
<b>PAGE</b>	15 of 24

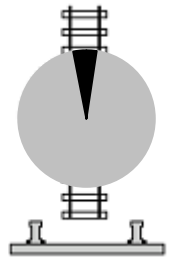
# RATED LIFT CAPACITY CHART



# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

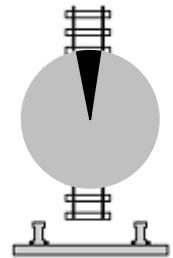
Duty	Config	Sector	Osc Axle	Safety
<b>3aU</b>	<b>RAIL</b>	+/- 10° Over Osc End		<b>66%</b>
	 50 - 150mm			

		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	-	-	-	-	-	-	-	1.60	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
<b>3aL</b>	<b>RAIL</b>	+/- 10° Over Osc End		<b>66%</b>
	 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	-	-	-	-	-	-	-	2.92	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	-	-	-	-	-	-	-	-	-	-	-	-	-		





<b>NOTES</b>	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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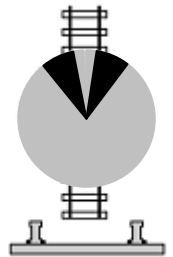
# RATED LIFT CAPACITY CHART



# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

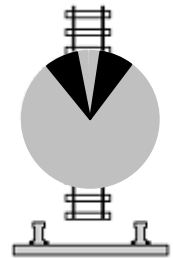
Duty	Config	Sector	Osc Axle	Safety
<b>3bU</b>	<b>RAIL</b>	+/- 10° - +/- 40° Over Osc End		<b>66%</b>
	 50 - 150mm			

		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	-	-	-	-	-	-	-	1.13	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
<b>3bL</b>	<b>RAIL</b>	+/- 10° - +/- 40° Over Osc End		<b>66%</b>
	 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	-	-	-	-	-	-	-	1.95	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	-	-	-	-	-	-	-	-	-	-	-	-	-	





<b>NOTES</b>	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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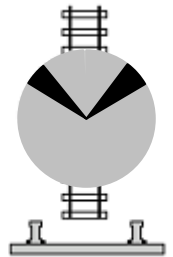
# RATED LIFT CAPACITY CHART



# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

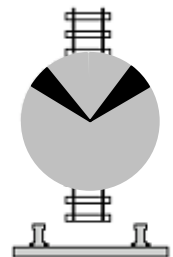
Duty	Config	Sector	Osc Axle	Safety
<b>3cU</b>	<b>RAIL</b>	+/- 40° - +/- 60° Over Osc End		<b>66%</b>
	 50 - 150mm			

		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	-	-	-	-	-	-	-	1.04	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
<b>3cL</b>	<b>RAIL</b>	+/- 40° - +/- 60° Over Osc End		<b>66%</b>
	 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	-	-	-	-	-	-	-	1.87	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	-	-	-	-	-	-	-	-	-	-	-	-	-	





<b>NOTES</b>	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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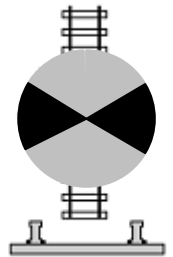
# RATED LIFT CAPACITY CHART



# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

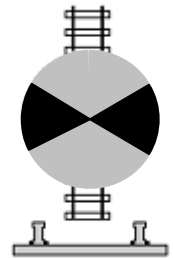
Duty	Config	Sector	Osc Axle	Safety
<b>3dU</b>	<b>RAIL</b>	+/- 60° - +/- 120°		<b>66%</b>
	 50 - 150mm			

		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	-	-	-	-	-	-	-	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
<b>3dL</b>	<b>RAIL</b>	+/- 60° - +/- 120°		<b>66%</b>
	 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	-	-	-	-	-	-	-	1.72	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	-	-	-	-	-	-	-	-	-	-	-	-	-		





<b>NOTES</b>	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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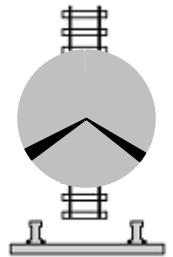
# RATED LIFT CAPACITY CHART



# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

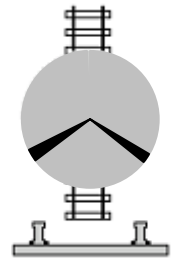
Duty	Config	Sector	Osc Axle	Safety
<b>3eU</b>	<b>RAIL</b>	+/- 120° - +/- 130° Over Fixed End		<b>66%</b>
	 50 - 150mm			

		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	-	-	-	-	-	-	-	1.06	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
<b>3eL</b>	<b>RAIL</b>	+/- 120° - +/- 130° Over Fixed End		<b>66%</b>
	 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	-	-	-	-	-	-	-	2.22	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	-	-	-	-	-	-	-	-	-	-	-	-	-	





<b>NOTES</b>	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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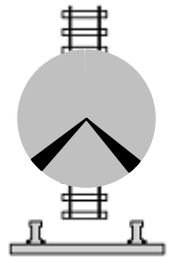
# RATED LIFT CAPACITY CHART



# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

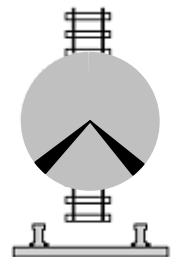
Duty	Config	Sector	Osc Axle	Safety
<b>3fU</b>	<b>RAIL</b>	+/- 130° - +/- 140° Over Fixed End		<b>66%</b>
	 50 - 150mm			

		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	-	-	-	-	-	-	-	1.15	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
<b>3fL</b>	<b>RAIL</b>	+/- 130° - +/- 140° Over Fixed End		<b>66%</b>
	 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	-	-	-	-	-	-	-	2.57	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	-	-	-	-	-	-	-	-	-	-	-	-	-		





<b>NOTES</b>	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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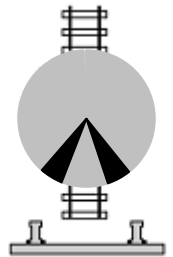
# RATED LIFT CAPACITY CHART



# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

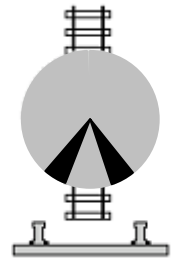
Duty	Config	Sector	Osc Axle	Safety
<b>3gU</b>	<b>RAIL</b>	+/- 140° - +/- 160° Over Fixed End		<b>66%</b>
	 50 - 150mm			

		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	-	-	-	-	-	-	-	1.33	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
<b>3gL</b>	<b>RAIL</b>	+/- 140° - +/- 160° Over Fixed End		<b>66%</b>
	 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	-	-	-	-	-	-	-	2.80	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	-	-	-	-	-	-	-	-	-	-	-	-	-		





<b>NOTES</b>	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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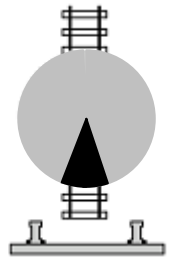
# RATED LIFT CAPACITY CHART



# RIS 1530

Machine Type	KOMATSU PW160 7	Equipment	5.15m + 2.10m
Issue Date	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

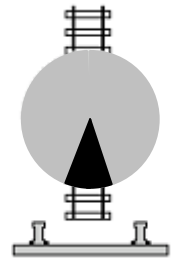
Duty	Config	Sector	Osc Axle	Safety
<b>3hU</b>	<b>RAIL</b>	+/- 20° Over Fixed End		<b>66%</b>
	 50 - 150mm			

		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	-	-	-	-	-	-	-	2.78	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
<b>3hL</b>	<b>RAIL</b>	+/- 20° Over Fixed End		<b>66%</b>
	 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	-	-	-	-	-	-	-	3.45	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	-	-	-	-	-	-	-	-	-	-	-	-	-	





<b>NOTES</b>	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	22/05/2013	Serial No.	H55147 (Rail Axle 2316)
FIRST of CLASS	N/A	Additional Info.	Bucket Pin, Monoboam, Tandem Lift

Duty	Config	Sector	Osc Axle	Safety
<b>4aU</b>	<b>RAIL</b>	360.0°		66%
				
	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
<b>HEIGHT</b> 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
<b>4aL</b>	<b>RAIL</b>	360.0°		66%
				
	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
<b>HEIGHT</b> 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	-	-	-	-	-	-	-	-	-	-	-	-	-



<b>NOTES</b>	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).
<b>PAGE</b>	24 of 24