


RATED LIFT CAPACITY CHART

RIS 1530


Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

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

RADIUS

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
MINIMUM LOADS	8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	
	7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	
	6.0	-	-	5.16a	5.40a	5.53b	4.72b	3.19a	2.81a	2.86a	-	
	5.0	-	6.26a	6.35a	6.36a	5.44b	4.68b	4.08b	3.28a	2.36a	2.15a	
	4.0	-	9.38b	7.53b	6.25b	5.32b	4.61b	4.04b	2.79a	2.93a	2.73a	2.53
	3.0	-	9.07b	7.31b	6.10b	5.16	4.48	3.92	3.30a	3.09	2.24a	2.49
	2.0	5.12a	5.13a	5.33a	5.86a	4.88	4.23	3.74	3.32	2.65a	2.69	2.43
	1.0	3.87a	4.06a	4.22a	4.48a	4.67	4.07	3.59	3.05a	2.89	2.61	2.38
	0.0	3.89a	3.83a	3.86a	4.20a	4.61	3.99	3.52	3.14	2.83	2.57	2.34
	-1.0	4.36a	4.19a	4.46a	5.50	4.61	3.98	3.49	3.11	2.80	2.55	-
	-2.0	7.42a	7.72a	6.91	5.57	4.66	4.01	3.51	3.13	2.83	2.59	-
	-3.0	10.00	9.24	7.10	5.73	4.80	4.13	3.64	-	-	-	-
	-4.0	-	-	-	-	-	-	-	-	-	-	-



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

RADIUS

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
MAXIMUM LOADS	8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	
	7.0	-	-	-	5.46a	5.42a	5.11	4.30a	-	-	-	
	6.0	-	-	5.19a	5.49a	5.58a	5.21	4.46	3.82	3.28	-	
	5.0	-	6.50a	6.60a	6.61a	6.02	5.16	4.49	3.88	3.35	2.90	
	4.0	-	9.93b	8.57b	7.02b	5.91	5.09	4.45	3.89	3.36	2.92	2.54
	3.0	-	10.00	8.37	6.87	5.81	5.02b	4.41	3.87	3.33	2.90	2.54
	2.0	7.65a	10.00	8.30	6.81	5.77	4.99b	4.41	3.80	3.28	2.85	2.51
	1.0	6.79a	10.00	8.27	6.81	5.72	4.91	4.27	3.68	3.19	2.78	2.45
	0.0	8.88a	10.00	7.95	6.53	5.50	4.74	4.12	3.56	3.08	2.71	2.39
	-1.0	10.00	9.93	7.75	6.34	5.36	4.60	3.95	3.41	2.96	2.63	-
	-2.0	10.00	9.86	7.65	6.26	5.22	4.40	3.76	3.30	2.91	2.59	-
	-3.0	10.00	9.81	7.54	6.09	5.03	4.31	3.69	-	-	-	-
	-4.0	-	-	-	-	-	-	-	-	-	-	-




NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	1 of 58

RATED LIFT CAPACITY CHART


RIS 1530

Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

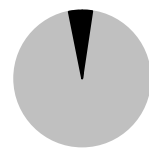
Duty	Config	Sector	Osc Axle	Safety
1aL	ROAD	+/- 10° Over Front		75%

		RADIUS										
		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00
MINIMUM LOADS	HEIGHT	8.0	-	-	5.59a	3.62a	-	-	-	-	-	-
	7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	-
	6.0	-	-	5.16a	5.40a	5.53b	4.72b	3.19a	2.81a	2.86a	-	-
	5.0	-	6.26a	6.35a	6.36a	5.44b	4.68b	4.08b	3.28a	2.36a	2.15a	-
	4.0	-	9.38b	7.53b	6.25b	5.32b	4.61b	4.04b	2.79a	2.93a	2.73a	2.94a
	3.0	-	9.07b	7.31b	6.10b	5.22b	4.54b	4.01b	3.30a	3.33a	2.24a	2.94a
	2.0	5.12a	5.13a	5.33a	5.86a	5.17b	4.52b	4.44b	3.47a	2.65a	3.68a	2.64a
	1.0	3.87a	4.06a	4.22a	4.48a	5.03a	5.61r	5.13	3.05a	3.98a	3.50a	3.17a
	0.0	3.89a	3.83a	3.86a	4.20a	6.54a	5.73	5.05	3.71a	3.98a	3.15a	3.39
	-1.0	4.36a	4.19a	4.46a	6.20a	6.61	5.71	4.75a	4.49	4.05	3.46a	-
	-2.0	7.42a	7.72a	7.61b	6.26b	5.68b	5.39b	4.90b	4.51	3.90b	3.08b	-
	-3.0	10.00	9.86b	7.83b	6.46b	5.49b	4.78b	4.25b	-	-	-	-
	-4.0	-	-	-	-	-	-	-	-	-	-	-



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

		RADIUS										
		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00
MAXIMUM LOADS	HEIGHT	8.0	-	-	5.73a	5.09a	-	-	-	-	-	-
	7.0	-	-	-	5.46a	5.42a	5.17a	4.30a	-	-	-	-
	6.0	-	-	5.19a	5.49a	5.58a	5.57r	5.28r	4.81r	3.87a	-	-
	5.0	-	6.50a	6.60a	6.61a	6.47a	5.93b	5.49r	5.16r	4.57	4.02	-
	4.0	-	9.93b	9.53r	8.10r	7.06r	6.34r	5.78	5.13	4.58	4.04	3.58
	3.0	-	10.00	10.00	8.84	7.49	6.49	5.72	5.10	4.55	4.03	3.57
	2.0	7.65a	10.00	10.00	8.78	7.44	6.46	5.70	5.10	4.51	3.97	3.54
	1.0	6.79a	10.00	10.00	8.80	7.46	6.47	5.73	5.04	4.41	3.90	3.48
	0.0	8.88a	10.00	10.00	8.86	7.49	6.47	5.65	4.90	4.30	3.82	3.42
	-1.0	10.00	10.00	10.00	8.69	7.36	6.34	5.44	4.78	4.21	3.75	-
	-2.0	10.00	10.00	10.00	8.61	7.21	6.13	5.30	4.67	4.15	3.08b	-
	-3.0	10.00	10.00	10.00	8.44	7.02	6.04	4.73b	-	-	-	-
	-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

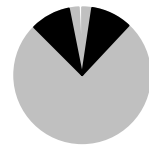
RIS 1530


Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

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

RADIUS

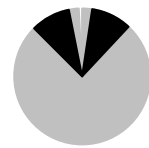
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
MINIMUM LOADS	8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	
	7.0	-	-	-	4.87	3.93	2.66a	2.68	-	-	-	
	6.0	-	-	5.16a	4.79	3.89	3.22	2.70	2.29	1.93	-	
	5.0	-	6.26a	5.69	4.51	3.70	3.08	2.61	2.24	1.93	1.65	
	4.0	-	7.21	5.23	4.04	3.37	2.86	2.45	2.12	1.85	1.61	1.40
	3.0	-	6.79	4.91	3.74	3.00	2.60	2.26	1.98	1.74	1.53	1.35
	2.0	5.12a	5.13a	4.48	3.43	2.72	2.35	2.08	1.84	1.64	1.45	1.30
	1.0	3.87a	4.06a	4.06	3.14	2.51	2.19	1.93	1.72	1.54	1.38	1.25
	0.0	3.89a	3.83a	3.79	2.95	2.45	2.11	1.86	1.65	1.48	1.34	1.21
	-1.0	4.36a	4.19a	3.71	2.95	2.45	2.10	1.83	1.63	1.46	1.32	-
	-2.0	7.31	5.06	3.80	3.02	2.49	2.13	1.85	1.65	1.48	1.36	-
	-3.0	7.58	5.28	3.99	3.18	2.64	2.25	1.98	-	-	-	-
	-4.0	-	-	-	-	-	-	-	-	-	-	-



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

RADIUS

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
MAXIMUM LOADS	8.0	-	-	5.73a	4.72	-	-	-	-	-	-	
	7.0	-	-	-	4.91	4.00	3.27	2.68	-	-	-	
	6.0	-	-	5.19a	4.87	4.01	3.37	2.81	2.34	1.94	-	
	5.0	-	6.50a	5.90	4.75	3.94	3.34	2.87	2.40	2.01	1.67	
	4.0	-	7.31	5.67	4.59	3.84	3.28	2.84	2.43	2.03	1.69	1.41
	3.0	-	7.04	5.48	4.47	3.75	3.22	2.82	2.40	2.00	1.68	1.40
	2.0	7.65a	6.94	5.40	4.40	3.71	3.20	2.75	2.33	1.95	1.62	1.37
	1.0	6.79a	6.58	5.19	4.26	3.56	3.03	2.61	2.22	1.84	1.55	1.32
	0.0	8.44	6.18	4.85	3.98	3.34	2.86	2.46	2.07	1.74	1.48	1.26
	-1.0	8.25	5.96	4.65	3.79	3.20	2.73	2.29	1.92	1.62	1.40	-
	-2.0	8.21	5.89	4.55	3.71	3.06	2.52	2.10	1.81	1.56	1.36	-
	-3.0	8.35	5.84	4.43	3.54	2.86	2.43	2.03	-	-	-	-
	-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

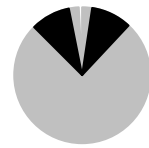
RIS 1530


Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

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

RADIUS

		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
MINIMUM LOADS	HEIGHT	8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	
		7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	
		6.0	-	-	5.16a	5.40a	5.53b	4.72b	3.19a	2.81a	2.86a	-	-
		5.0	-	6.26a	6.35a	6.36a	5.44b	4.68b	4.08b	3.28a	2.36a	2.15a	-
		4.0	-	9.38b	7.53b	6.25b	5.32b	4.61b	4.04b	2.79a	2.93a	2.73a	2.82
		3.0	-	9.07b	7.31b	6.10b	5.22b	4.54b	4.01b	3.30a	3.33a	2.24a	2.78
		2.0	5.12a	5.13a	5.33a	5.86a	5.17b	4.52b	4.16	3.47a	2.65a	3.00	2.64a
		1.0	3.87a	4.06a	4.22a	4.48a	5.03a	4.55	4.02	3.05a	3.23	2.93	2.67
		0.0	3.89a	3.83a	3.86a	4.20a	5.17	4.47	3.95	3.52	3.18	2.88	2.63
		-1.0	4.36a	4.19a	4.46a	6.15	5.17	4.46	3.92	3.50	3.15	2.86	-
		-2.0	7.42a	7.72a	7.61b	6.22	5.21	4.49	3.94	3.52	3.17	2.91	-
		-3.0	10.00	9.86b	7.83b	6.39	5.36	4.61	4.07	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-



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

RADIUS

		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
MAXIMUM LOADS	HEIGHT	8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	
		7.0	-	-	-	5.46a	5.42a	5.17a	4.30a	-	-	-	
		6.0	-	-	5.19a	5.49a	5.58a	5.57r	4.87	4.20	3.63	-	-
		5.0	-	6.50a	6.60a	6.61a	6.47a	5.58	4.87	4.25	3.69	3.21	-
		4.0	-	9.93b	9.26	7.58	6.40	5.50	4.82b	4.27	3.70	3.23	2.83
		3.0	-	10.00	9.03	7.44	6.28b	5.44	4.77	4.24	3.68	3.22	2.83
		2.0	7.65a	10.00	8.96	7.37b	6.23	5.41	4.77	4.18	3.62	3.17	2.78
		1.0	6.79a	10.00	8.99	7.39b	6.25	5.39	4.70	4.06	3.53	3.10	2.74
		0.0	8.88a	10.00	8.75	7.18	6.05	5.22	4.54	3.91	3.43	3.02	2.68
		-1.0	10.00	10.00	8.55	6.99	5.92	5.09	4.37	3.79	3.31	2.95	-
		-2.0	10.00	10.00	8.45	6.91	5.77	4.88	4.19	3.68	3.25	2.91	-
		-3.0	10.00	10.00	8.33	6.74	5.58	4.79	4.11	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-




NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	4 of 58

RATED LIFT CAPACITY CHART

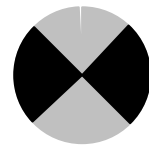
RIS 1530


Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

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

RADIUS

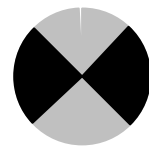
MINIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
		8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
		7.0	-	-	-	4.60	3.73	2.66a	2.55	-	-	-	-	-
		6.0	-	-	5.16a	4.52	3.69	3.06	2.58	2.18	1.84	-	-	-
		5.0	-	6.26a	5.33	4.25	3.51	2.93	2.49	2.13	1.84	1.58	-	-
		4.0	-	6.68	4.89	3.80	3.19	2.71	2.33	2.02	1.76	1.54	1.33	-
		3.0	-	6.28	4.59	3.51	2.82	2.46	2.14	1.88	1.65	1.46	1.29	-
		2.0	5.12a	5.13a	4.17	3.21	2.55	2.21	1.96	1.74	1.55	1.38	1.23	-
		1.0	3.87a	4.06a	3.77	2.93	2.35	2.06	1.82	1.63	1.46	1.31	1.18	-
		0.0	3.89a	3.83a	3.51	2.75	2.29	1.98	1.75	1.56	1.40	1.26	1.14	-
		-1.0	4.36a	4.19a	3.44	2.74	2.29	1.97	1.73	1.53	1.37	1.25	-	-
		-2.0	6.58	4.64	3.52	2.81	2.33	2.00	1.74	1.55	1.40	1.29	-	-
		-3.0	6.83	4.84	3.70	2.97	2.47	2.12	1.87	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-



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

RADIUS

MAXIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
		8.0	-	-	5.69	4.45	-	-	-	-	-	-	-	-
		7.0	-	-	-	4.64	3.80	3.11	2.55	-	-	-	-	-
		6.0	-	-	5.19a	4.60	3.81	3.21	2.68	2.23	1.85	-	-	-
		5.0	-	6.50a	5.54	4.48	3.74	3.18	2.74	2.29	1.91	1.59	-	-
		4.0	-	6.78	5.31	4.33	3.64	3.12	2.71	2.32	1.93	1.62	1.34	-
		3.0	-	6.51	5.13	4.21	3.56	3.06	2.69	2.29	1.91	1.61	1.34	-
		2.0	7.65a	6.42	5.05	4.15	3.52	3.04	2.62	2.22	1.86	1.54	1.31	-
		1.0	6.79a	6.08	4.86	4.01	3.36	2.88	2.49	2.12	1.75	1.48	1.25	-
		0.0	7.63	5.70	4.52	3.74	3.15	2.71	2.33	1.97	1.65	1.40	1.19	-
		-1.0	7.45	5.50	4.33	3.55	3.02	2.58	2.17	1.82	1.53	1.33	-	-
		-2.0	7.42	5.43	4.24	3.48	2.88	2.38	1.99	1.71	1.48	1.29	-	-
		-3.0	7.54	5.38	4.13	3.32	2.69	2.29	1.92	-	-	-	-	-
		-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

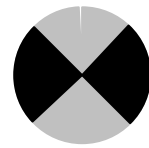
RIS 1530


Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

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

RADIUS

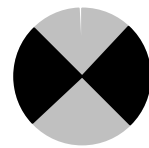
MINIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
		8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
		7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	-	-
		6.0	-	-	5.16a	5.40a	5.52	4.66	3.19a	2.81a	2.86a	-	-	-
		5.0	-	6.26a	6.35a	6.36a	5.34	4.52	3.91	3.28a	2.36a	2.15a	-	-
		4.0	-	9.38b	7.49	5.95	5.02	4.31	3.75	2.79a	2.92	2.59	2.31	-
		3.0	-	9.07b	7.18	5.66	4.66	4.06	3.56	3.15	2.81	2.24a	2.26	-
		2.0	5.12a	5.13a	5.33a	5.36	4.39	3.81	3.38	3.01	2.65a	2.44	2.21	-
		1.0	3.87a	4.06a	4.22a	4.48a	4.18	3.66	3.24	2.90	2.61	2.36	2.15	-
		0.0	3.89a	3.83a	3.86a	4.20a	4.13	3.58	3.17	2.83	2.56	2.32	2.12	-
		-1.0	4.36a	4.19a	4.46a	4.89	4.12	3.57	3.14	2.81	2.53	2.30	-	-
		-2.0	7.42a	7.72a	6.12	4.96	4.17	3.60	3.16	2.83	2.55	2.35	-	-
		-3.0	10.00	8.13	6.30	5.12	4.31	3.72	3.29	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-



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

RADIUS

MAXIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
		8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	-
		7.0	-	-	-	5.46a	5.42a	4.70	3.97	-	-	-	-	-
		6.0	-	-	5.19a	5.49a	5.58a	4.80	4.10	3.50	3.00	-	-	-
		5.0	-	6.50a	6.60a	6.50a	5.56	4.77	4.15	3.56	3.07	2.65	-	-
		4.0	-	9.93b	7.83b	6.45	5.44	4.70	4.12	3.58a	3.08	2.67	2.32	-
		3.0	-	9.66	7.65	6.32	5.36	4.64b	4.09	3.55	3.06	2.65	2.31	-
		2.0	7.65a	9.58	7.57	6.26	5.32	4.61	4.04	3.47	3.00	2.60	2.28	-
		1.0	6.79a	9.36	7.45	6.16	5.20	4.48	3.90	3.36	2.91	2.53	2.22	-
		0.0	8.88a	8.98	7.12	5.89	4.98	4.31	3.75	3.24	2.80	2.46	2.16	-
		-1.0	10.00	8.78	6.93	5.70	4.85	4.18	3.59	3.09	2.69	2.39	-	-
		-2.0	10.00	8.71	6.83	5.63	4.71	3.98	3.41	2.98	2.63	2.35	-	-
		-3.0	10.00	8.66	6.72	5.47	4.53	3.89	3.33	-	-	-	-	-
		-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	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

Duty	Config	Sector	Osc Axle	Safety
1dU	ROAD	+/- 135° - +/- 160° Over Rear		75%

RADIUS

MINIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
		8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
		7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	-	-
		6.0	-	-	5.16a	5.40a	5.53b	4.72b	3.19a	2.81a	2.86a	-	-	-
		5.0	-	6.26a	6.35a	6.36a	5.44b	4.68b	4.08b	3.28a	2.36a	2.15a	-	-
		4.0	-	9.38b	7.53b	6.25b	5.32b	4.61b	4.04b	2.79a	2.93a	2.73a	2.94a	-
		3.0	-	9.07b	7.31b	6.10b	5.22b	4.54b	4.01b	3.30a	3.33a	2.24a	2.94a	-
		2.0	5.12a	5.13a	5.33a	5.86a	5.17b	4.52b	4.44b	3.47a	2.65a	3.66	2.64a	-
		1.0	3.87a	4.06a	4.22a	4.48a	5.03a	5.56	4.91	3.05a	3.95	3.50a	3.17a	-
		0.0	3.89a	3.83a	3.86a	4.20a	6.33	5.48	4.84	3.71a	3.90	3.15a	3.24	-
		-1.0	4.36a	4.19a	4.46a	6.20a	6.32	5.47	4.75a	4.29	3.87	3.46a	-	-
		-2.0	7.42a	7.72a	7.61b	6.26b	5.68b	5.39b	4.83	4.31	3.89	3.08b	-	-
		-3.0	10.00	9.86b	7.83b	6.46b	5.49b	4.78b	4.25b	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
1dU	ROAD	+/- 135° - +/- 160° Over Rear		75%

RADIUS

MAXIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
		8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	-
		7.0	-	-	-	5.46a	5.42a	5.17a	4.30a	-	-	-	-	-
		6.0	-	-	5.19a	5.49a	5.58a	5.57r	5.28r	4.81r	3.87a	-	-	-
		5.0	-	6.50a	6.60a	6.61a	6.47a	5.93b	5.49r	5.00	4.40	3.86	-	-
		4.0	-	9.93b	9.53r	8.10r	7.06r	6.34r	5.59b	4.97	4.41	3.88	3.44	-
		3.0	-	10.00	10.00	8.57	7.26	6.29	5.53	4.94	4.39	3.86	3.43	-
		2.0	7.65a	10.00	10.00	8.51	7.21	6.26	5.51	4.94	4.33	3.81	3.39	-
		1.0	6.79a	10.00	10.00	8.53	7.23	6.28	5.55	4.84	4.24	3.74	3.33	-
		0.0	8.88a	10.00	10.00	8.55	7.21	6.23	5.43	4.71	4.13	3.66	3.29	-
		-1.0	10.00	10.00	10.00	8.35	7.07	6.09	5.23	4.58	4.03	3.59	-	-
		-2.0	10.00	10.00	10.00	8.28	6.93	5.89	5.08	4.47	3.97	3.08b	-	-
		-3.0	10.00	10.00	9.99	8.11	6.74	5.80	4.73b	-	-	-	-	-
		-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	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

Duty	Config	Sector	Osc Axle	Safety
1dL	ROAD	+/- 135° - +/- 160° Over Rear		75%

RADIUS

MINIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
		8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
		7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	-	-
		6.0	-	-	5.16a	5.40a	5.53b	4.72b	3.19a	2.81a	2.86a	-	-	-
		5.0	-	6.26a	6.35a	6.36a	5.44b	4.68b	4.08b	3.28a	2.36a	2.15a	-	-
		4.0	-	9.38b	7.53b	6.25b	5.32b	4.61b	4.04b	2.79a	2.93a	2.73a	2.94a	-
		3.0	-	9.07b	7.31b	6.10b	5.22b	4.54b	4.01b	3.30a	3.33a	2.24a	2.94a	-
		2.0	5.12a	5.13a	5.33a	5.86a	5.17b	4.52b	4.44b	3.47a	2.65a	3.66	2.64a	-
		1.0	3.87a	4.06a	4.22a	4.48a	5.03a	5.56	4.91	3.05a	3.95	3.50a	3.17a	-
		0.0	3.89a	3.83a	3.86a	4.20a	6.33	5.48	4.84	3.71a	3.90	3.15a	3.24	-
		-1.0	4.36a	4.19a	4.46a	6.20a	6.32	5.47	4.75a	4.29	3.87	3.46a	-	-
		-2.0	7.42a	7.72a	7.61b	6.26b	5.68b	5.39b	4.83	4.31	3.89	3.08b	-	-
		-3.0	10.00	9.86b	7.83b	6.46b	5.49b	4.78b	4.25b	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
1dL	ROAD	+/- 135° - +/- 160° Over Rear		75%

RADIUS

MAXIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
		8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	-
		7.0	-	-	-	5.46a	5.42a	5.17a	4.30a	-	-	-	-	-
		6.0	-	-	5.19a	5.49a	5.58a	5.57r	5.28r	4.81r	3.87a	-	-	-
		5.0	-	6.50a	6.60a	6.61a	6.47a	5.93b	5.49r	5.00	4.40	3.86	-	-
		4.0	-	9.93b	9.53r	8.10r	7.06r	6.34r	5.59b	4.97	4.41	3.88	3.44	-
		3.0	-	10.00	10.00	8.57	7.26	6.29	5.53	4.94	4.39	3.86	3.43	-
		2.0	7.65a	10.00	10.00	8.51	7.21	6.26	5.51	4.94	4.33	3.81	3.39	-
		1.0	6.79a	10.00	10.00	8.53	7.23	6.28	5.55	4.84	4.24	3.74	3.33	-
		0.0	8.88a	10.00	10.00	8.55	7.21	6.23	5.43	4.71	4.13	3.66	3.29	-
		-1.0	10.00	10.00	10.00	8.35	7.07	6.09	5.23	4.58	4.03	3.59	-	-
		-2.0	10.00	10.00	10.00	8.28	6.93	5.88	5.08	4.47	3.97	3.08b	-	-
		-3.0	10.00	10.00	9.99	8.11	6.74	5.80	4.73b	-	-	-	-	-
		-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

RATED LIFT CAPACITY CHART

RIS 1530

Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		


Duty	Config	Sector	Osc Axle	Safety
1eU	ROAD	+/- 20° Over Rear		75%

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	
7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	-	
6.0	-	-	5.16a	5.40a	5.53b	4.72b	3.19a	2.81a	2.86a	-	-	
5.0	-	6.26a	6.35a	6.36a	5.44b	4.68b	4.08b	3.28a	2.36a	2.15a	-	
4.0	-	9.38b	7.53b	6.25b	5.32b	4.61b	4.04b	2.79a	2.93a	2.73a	2.94a	
3.0	-	9.07b	7.31b	6.10b	5.22b	4.54b	4.01b	3.30a	3.33a	2.24a	2.94a	
2.0	5.12a	5.13a	5.33a	5.86a	5.17b	4.52b	4.44b	3.47a	2.65a	3.66	2.64a	
1.0	3.87a	4.06a	4.22a	4.48a	5.03a	5.56	4.91	3.05a	3.95	3.50a	3.17a	
0.0	3.89a	3.83a	3.86a	4.20a	6.33	5.48	4.84	3.71a	3.90	3.15a	3.24	
-1.0	4.36a	4.19a	4.46a	6.20a	6.32	5.47	4.75a	4.29	3.87	3.46a	-	
-2.0	7.42a	7.72a	7.61b	6.26b	5.68b	5.39b	4.83	4.31	3.89	3.08b	-	
-3.0	10.00	9.86b	7.83b	6.46b	5.49b	4.78b	4.25b	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	



Duty	Config	Sector	Osc Axle	Safety
1eU	ROAD	+/- 20° Over Rear		75%

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	
7.0	-	-	-	5.46a	5.42a	5.17a	4.30a	-	-	-	-	
6.0	-	-	5.19a	5.49a	5.58a	5.57r	5.28r	4.81r	3.87a	-	-	
5.0	-	6.50a	6.60a	6.61a	6.47a	5.93b	5.49r	5.00	4.40	3.86	-	
4.0	-	9.93b	9.53r	8.10r	7.06r	6.34r	5.59b	4.97	4.41	3.88	3.44	
3.0	-	10.00	10.00	8.57	7.26	6.29	5.53	4.94	4.39	3.86	3.43	
2.0	7.65a	10.00	10.00	8.51	7.21	6.26	5.51	4.94	4.33	3.81	3.39	
1.0	6.79a	10.00	10.00	8.53	7.23	6.28	5.55	4.84	4.24	3.74	3.33	
0.0	8.88a	10.00	10.00	8.55	7.21	6.23	5.43	4.71	4.13	3.66	3.29	
-1.0	10.00	10.00	10.00	8.35	7.07	6.09	5.23	4.58	4.03	3.59	-	
-2.0	10.00	10.00	10.00	8.28	6.93	5.88	5.08	4.47	3.97	3.08b	-	
-3.0	10.00	10.00	9.99	8.11	6.74	5.80	4.73b	-	-	-	-	
-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	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

Duty	Config	Sector	Osc Axle	Safety
1eL	ROAD	+/- 20° Over Rear		75%

RADIUS

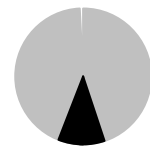
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
MINIMUM LOADS	8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	
	7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	
	6.0	-	-	5.16a	5.40a	5.53b	4.72b	3.19a	2.81a	2.86a	-	
	5.0	-	6.26a	6.35a	6.36a	5.44b	4.68b	4.08b	3.28a	2.36a	2.15a	-
	4.0	-	9.38b	7.53b	6.25b	5.32b	4.61b	4.04b	2.79a	2.93a	2.73a	2.94a
	3.0	-	9.07b	7.31b	6.10b	5.22b	4.54b	4.01b	3.30a	3.33a	2.24a	2.94a
	2.0	5.12a	5.13a	5.33a	5.86a	5.17b	4.52b	4.44b	3.47a	2.65a	3.66	2.64a
	1.0	3.87a	4.06a	4.22a	4.48a	5.03a	5.56	4.91	3.05a	3.95	3.50a	3.17a
	0.0	3.89a	3.83a	3.86a	4.20a	6.33	5.48	4.84	3.71a	3.90	3.15a	3.24
	-1.0	4.36a	4.19a	4.46a	6.20a	6.32	5.47	4.75a	4.29	3.87	3.46a	-
	-2.0	7.42a	7.72a	7.61b	6.26b	5.68b	5.39b	4.83	4.31	3.89	3.08b	-
	-3.0	10.00	9.86b	7.83b	6.46b	5.49b	4.78b	4.25b	-	-	-	-
	-4.0	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
1eL	ROAD	+/- 20° Over Rear		75%

RADIUS

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
MAXIMUM LOADS	8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	
	7.0	-	-	-	5.46a	5.42a	5.17a	4.30a	-	-	-	
	6.0	-	-	5.19a	5.49a	5.58a	5.57r	5.28r	4.81r	3.87a	-	
	5.0	-	6.50a	6.60a	6.61a	6.47a	5.93b	5.49r	5.00	4.40	3.86	-
	4.0	-	9.93b	9.53r	8.10r	7.06r	6.34r	5.59b	4.97	4.41	3.88	3.44
	3.0	-	10.00	10.00	8.57	7.26	6.29	5.53	4.94	4.39	3.86	3.43
	2.0	7.65a	10.00	10.00	8.51	7.21	6.26	5.51	4.94	4.33	3.81	3.39
	1.0	6.79a	10.00	10.00	8.53	7.23	6.28	5.55	4.84	4.24	3.74	3.33
	0.0	8.88a	10.00	10.00	8.55	7.21	6.23	5.43	4.71	4.13	3.66	3.29
	-1.0	10.00	10.00	10.00	8.35	7.07	6.09	5.23	4.58	4.03	3.59	-
	-2.0	10.00	10.00	10.00	8.28	6.93	5.88	5.08	4.47	3.97	3.08b	-
	-3.0	10.00	10.00	9.99	8.11	6.74	5.80	4.73b	-	-	-	-
	-4.0	-	-	-	-	-	-	-	-	-	-	-

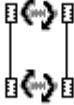



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	10 of 58

RATED LIFT CAPACITY CHART

RIS 1530

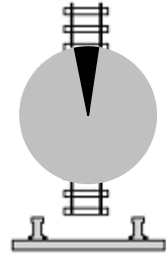
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

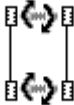

Duty	Config	Sector	Osc Axle	Safety
2aU	RAIL	+/- 10° Over Front		67%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	-	-
6.0	-	-	5.16a	5.40a	5.53b	4.72b	3.19a	2.81a	2.86a	-	-	-
5.0	-	6.26a	6.35a	6.36a	5.44b	4.68b	4.08b	3.28a	2.36a	2.15a	-	-
4.0	-	9.38b	7.53b	6.25b	5.32b	4.61b	4.04b	2.79a	2.93a	2.73a	2.51	-
3.0	-	9.07b	7.31b	6.10b	5.22b	4.51	3.92	3.30a	3.07	2.24a	2.46	-
2.0	5.12a	5.13a	5.33a	5.86a	4.97	4.27	3.75	3.32	2.65a	2.67	2.41	-
1.0	3.87a	4.06a	4.22a	4.48a	4.77	4.12	3.62	3.05a	2.88	2.60	2.36	-
0.0	3.89a	3.83a	3.86a	4.20a	4.72	4.05	3.55	3.15	2.83	2.56	2.33	-
-1.0	4.36a	4.19a	4.46a	5.68	4.72	4.04	3.52	3.13	2.80	2.54	-	-
-2.0	7.42a	7.72a	7.25	5.75	4.76	4.06	3.54	3.14	2.82	2.58	-	-
-3.0	10.00	9.86b	7.43	5.91	4.90	4.18	3.66	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

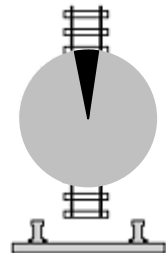


Duty	Config	Sector	Osc Axle	Safety
2aU	RAIL	+/- 10° Over Front		67%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.46a	5.42a	5.11a	4.30a	-	-	-	-	-
6.0	-	-	5.19a	5.49a	5.58a	5.19	4.43	3.78	3.25	-	-	-
5.0	-	6.50a	6.60a	6.61a	6.05	5.15	4.45	3.84	3.31	2.87	-	-
4.0	-	9.93b	8.84	7.13	5.95	5.08	4.42	3.85	3.32	2.88	2.52	-
3.0	-	10.00	8.63	6.98	5.86	5.02b	4.38	3.83	3.31	2.87	2.51	-
2.0	7.65a	10.00	8.56	6.92	5.82b	4.99b	4.38	3.76	3.24	2.82	2.48	-
1.0	6.79a	10.00	8.56	6.92	5.77	4.91	4.25	3.66	3.16	2.76	2.43	-
0.0	8.88a	10.00	8.27	6.67	5.56	4.75	4.11	3.54	3.06	2.69	2.37	-
-1.0	10.00	10.00	8.07	6.49	5.43	4.63	3.95	3.40	2.95	2.62	-	-
-2.0	10.00	10.00	7.97	6.42	5.29	4.43	3.78	3.29	2.90	2.58	-	-
-3.0	10.00	10.00	7.86	6.25	5.11	4.35	3.71	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

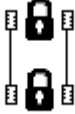



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	11 of 58

RATED LIFT CAPACITY CHART

RIS 1530

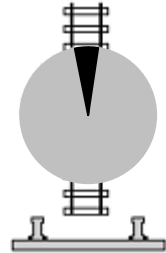
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

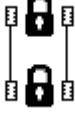

Duty	Config	Sector	Osc Axle	Safety
2aB	RAIL	+/- 10° Over Front		90%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	
7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	-	
6.0	-	-	5.16a	5.40a	5.53b	4.72b	3.19a	2.81a	2.86a	-	-	
5.0	-	6.26a	6.35a	6.36a	5.44b	4.68b	4.08b	3.28a	2.36a	2.15a	-	
4.0	-	9.38b	7.53b	6.25b	5.32b	4.61b	4.04b	2.79a	2.93a	2.73a	2.94a	
3.0	-	9.07b	7.31b	6.10b	5.22b	4.54b	4.01b	3.30a	3.33a	2.24a	2.94a	
2.0	5.12a	5.13a	5.33a	5.86a	5.17b	4.52b	4.44b	3.47a	2.65a	3.68a	2.64a	
1.0	3.87a	4.06a	4.22a	4.48a	5.03a	5.61r	5.18r	3.05a	3.98a	3.50a	3.17a	
0.0	3.89a	3.83a	3.86a	4.20a	6.54a	6.59r	5.69a	3.71a	3.98a	3.15a	3.40a	
-1.0	4.36a	4.19a	4.46a	6.20a	7.01b	6.56b	4.75a	4.87a	4.72	3.46a	-	
-2.0	7.42a	7.72a	7.61b	6.26b	5.68b	5.39b	4.90b	4.52b	3.90b	3.08b	-	
-3.0	10.00	9.86b	7.83b	6.46b	5.49b	4.78b	4.25b	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	

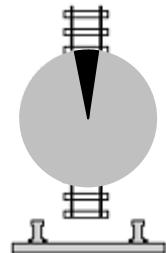


Duty	Config	Sector	Osc Axle	Safety
2aB	RAIL	+/- 10° Over Front		90%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	
7.0	-	-	-	5.46a	5.42a	5.17a	4.30a	-	-	-	-	
6.0	-	-	5.19a	5.49a	5.58a	5.57r	5.28r	4.81r	3.87a	-	-	
5.0	-	6.50a	6.60a	6.61a	6.47a	5.93b	5.49r	5.16r	4.76r	4.15r	-	
4.0	-	9.93b	9.53r	8.10r	7.06r	6.34r	5.79r	5.36b	5.04b	4.60r	3.90a	
3.0	-	10.00	10.00	9.63b	8.17r	7.00r	6.25r	5.69r	5.24	4.69	4.11	
2.0	7.65a	10.00	10.00	9.77b	8.60	7.41	6.52	5.80	5.23	4.63	4.06	
1.0	6.79a	10.00	10.00	10.00	8.61	7.42	6.53	5.83	5.16	4.55a	3.99	
0.0	8.88a	10.00	10.00	10.00	8.71	7.51	6.65	5.75	5.04	4.45	3.91	
-1.0	10.00	10.00	10.00	10.00	8.87	7.53	6.45	5.59	4.92	4.35	-	
-2.0	10.00	10.00	10.00	10.00	8.69	7.31	6.26	5.49	4.54b	3.08b	-	
-3.0	10.00	10.00	10.00	9.84b	7.89b	6.42b	4.73b	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	

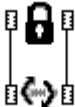



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	12 of 58

RATED LIFT CAPACITY CHART

RIS 1530

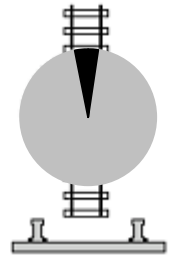
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

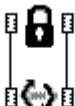

Duty	Config	Sector	Osc Axle	Safety
2aF	RAIL	+/- 10° Over Front		67%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	-	-
6.0	-	-	5.16a	5.40a	5.53b	4.72b	3.19a	2.81a	2.86a	-	-	-
5.0	-	6.26a	6.35a	6.36a	5.44b	4.68b	4.08b	3.28a	2.36a	2.15a	-	-
4.0	-	9.38b	7.53b	6.25b	5.32b	4.61b	4.04b	2.79a	2.93a	2.73a	2.94a	-
3.0	-	9.07b	7.31b	6.10b	5.22b	4.54b	4.01b	3.30a	3.33a	2.24a	2.94a	-
2.0	5.12a	5.13a	5.33a	5.86a	5.17b	4.52b	4.44b	3.47a	2.65a	3.47	2.64a	-
1.0	3.87a	4.06a	4.22a	4.48a	5.03a	5.37	4.71	3.05a	3.76	3.40	3.10	-
0.0	3.89a	3.83a	3.86a	4.20a	6.16	5.29	4.64	3.71a	3.71	3.15a	3.06	-
-1.0	4.36a	4.19a	4.46a	6.20a	6.16	5.28	4.62	4.10	3.68	3.34	-	-
-2.0	7.42a	7.72a	7.61b	6.26b	5.68b	5.31	4.63	4.12	3.70	3.08b	-	-
-3.0	10.00	9.86b	7.83b	6.46b	5.49b	4.78b	4.25b	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

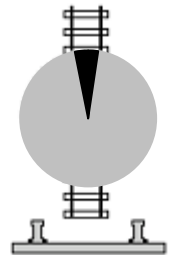


Duty	Config	Sector	Osc Axle	Safety
2aF	RAIL	+/- 10° Over Front		67%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.46a	5.42a	5.17a	4.30a	-	-	-	-	-
6.0	-	-	5.19a	5.49a	5.58a	5.57r	5.28r	4.74	3.87a	-	-	-
5.0	-	6.50a	6.60a	6.61a	6.47a	5.93b	5.44b	4.79	4.17	3.66	-	-
4.0	-	9.93b	9.53r	8.10r	7.06r	6.17b	5.38	4.76	4.18	3.68	3.24	-
3.0	-	10.00	10.00	8.44	7.09	6.09	5.33	4.74	4.16	3.66	3.24	-
2.0	7.65a	10.00	10.00	8.38	7.04	6.06	5.31	4.72	4.11	3.62	3.20	-
1.0	6.79a	10.00	10.00	8.40	7.06	6.08	5.33	4.61	4.02	3.54	3.16	-
0.0	8.88a	10.00	10.00	8.40	7.00	6.00	5.20	4.49	3.94	3.47	3.11	-
-1.0	10.00	10.00	10.00	8.21	6.87	5.87	5.01	4.37	3.83	3.42	-	-
-2.0	10.00	10.00	10.00	8.14	6.74	5.68	4.87	4.27	3.78	3.08b	-	-
-3.0	10.00	10.00	10.00	7.97	6.56	5.59	4.73b	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

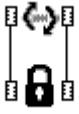



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	13 of 58

RATED LIFT CAPACITY CHART

RIS 1530

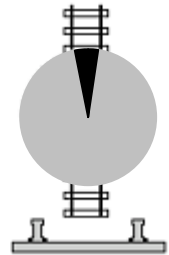
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

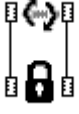

Duty	Config	Sector	Osc Axle	Safety
2aR	RAIL	+/- 10° Over Front		67%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	
7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	-	
6.0	-	-	5.16a	5.40a	5.53b	4.72b	3.19a	2.81a	2.86a	-	-	
5.0	-	6.26a	6.35a	6.36a	5.43	4.60	3.97	3.28a	2.36a	2.15a	-	
4.0	-	9.38b	7.53b	6.11	5.14	4.40	3.82	2.79a	2.93a	2.65	2.36	
3.0	-	9.07b	7.31b	5.85	4.80	4.17	3.65	3.23	2.88	2.24a	2.32	
2.0	5.12a	5.13a	5.33a	5.57	4.56	3.94	3.49	3.10	2.65a	2.51	2.27	
1.0	3.87a	4.06a	4.22a	4.48a	4.37	3.81	3.36	3.00	2.70	2.44	2.23	
0.0	3.89a	3.83a	3.86a	4.20a	4.32	3.73	3.29	2.94	2.65	2.40	2.19	
-1.0	4.36a	4.19a	4.46a	5.14	4.31	3.72	3.27	2.92	2.62	2.39	-	
-2.0	7.42a	7.72a	6.45	5.20	4.35	3.75	3.29	2.93	2.65	2.43	-	
-3.0	10.00	8.61	6.62	5.35	4.48	3.86	3.40	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	

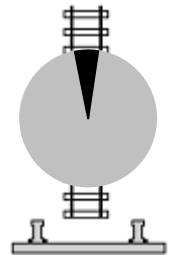


Duty	Config	Sector	Osc Axle	Safety
2aR	RAIL	+/- 10° Over Front		67%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	
7.0	-	-	-	5.46a	5.42a	4.76	4.02	-	-	-	-	
6.0	-	-	5.19a	5.49a	5.58a	4.84	4.14	3.55	3.05	-	-	
5.0	-	6.50a	6.60a	6.57a	5.62	4.81	4.18	3.60	3.11	2.70	-	
4.0	-	9.93b	8.02	6.56	5.53	4.75	4.15	3.61	3.12	2.72	2.37	
3.0	-	10.00	7.85	6.44	5.44b	4.70	4.12	3.59	3.11	2.70	2.37	
2.0	7.65a	9.92	7.78	6.39	5.40	4.68	4.09	3.53	3.05	2.66	2.34	
1.0	6.79a	9.78	7.69	6.31	5.30	4.55	3.96	3.42	2.97	2.60	2.29	
0.0	8.88a	9.41	7.38	6.06	5.11	4.40	3.83	3.31	2.87	2.53	2.24	
-1.0	10.00	9.23	7.20	5.89	4.98	4.28	3.68	3.18	2.77	2.46	-	
-2.0	10.00	9.16	7.11	5.82	4.86	4.10	3.51	3.08	2.72	2.43	-	
-3.0	10.00	9.11	7.01	5.67	4.69	4.02	3.44	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	

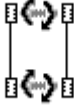



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
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RATED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

RIS 1530

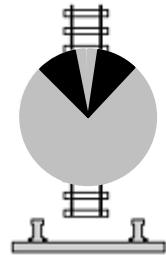
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

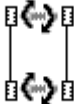

Duty	Config	Sector	Osc Axle	Safety
2bU	RAIL	$\pm 10^\circ - \pm 45^\circ$ Over Front		67%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.35	4.30	2.66a	2.94	-	-	-	-	-
6.0	-	-	5.16a	5.28	4.26	3.52	2.96	2.51	2.14	-	-	-
5.0	-	6.26a	6.35a	5.01	4.08	3.39	2.88	2.46	2.13	1.84	-	-
4.0	-	8.34	5.95	4.56	3.77	3.18	2.72	2.36	2.06	1.80	1.58	-
3.0	-	7.92	5.64	4.27	3.41	2.94	2.55	2.23	1.96	1.73	1.54	-
2.0	5.12a	5.13a	5.21	3.97	3.15	2.70	2.37	2.09	1.86	1.66	1.48	-
1.0	3.87a	4.06a	4.22a	3.69	2.95	2.55	2.24	1.99	1.77	1.59	1.44	-
0.0	3.89a	3.83a	3.86a	3.51	2.89	2.48	2.17	1.92	1.72	1.55	1.40	-
-1.0	4.36a	4.19a	4.46a	3.51	2.89	2.47	2.14	1.90	1.69	1.53	-	-
-2.0	7.42a	6.17	4.55	3.57	2.93	2.49	2.16	1.92	1.72	1.57	-	-
-3.0	9.59	6.39	4.74	3.74	3.07	2.61	2.28	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

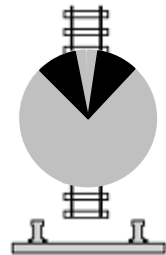


Duty	Config	Sector	Osc Axle	Safety
2bU	RAIL	$\pm 10^\circ - \pm 45^\circ$ Over Front		67%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.39	4.37	3.57	2.94	-	-	-	-	-
6.0	-	-	5.19a	5.36	4.38	3.66	3.06	2.56	2.14	-	-	-
5.0	-	6.50a	6.48	5.24	4.31	3.63	3.11	2.62	2.21	1.86	-	-
4.0	-	8.44	6.38	5.09	4.21	3.58	3.09	2.64	2.22	1.88	1.59	-
3.0	-	8.17	6.20	4.97	4.13	3.52	3.06	2.62	2.20	1.87	1.58	-
2.0	7.65a	8.07	6.11	4.91	4.09	3.50	3.01	2.55	2.15	1.81	1.55	-
1.0	6.79a	7.71	5.91	4.77	3.94	3.34	2.87	2.45	2.05	1.75	1.50	-
0.0	8.88a	7.30	5.58	4.50	3.74	3.18	2.73	2.31	1.95	1.68	1.44	-
-1.0	10.00	7.09	5.38	4.31	3.61	3.06	2.57	2.17	1.84	1.61	-	-
-2.0	10.00	7.01	5.28	4.24	3.47	2.86	2.40	2.07	1.79	1.57	-	-
-3.0	10.00	6.96	5.17	4.08	3.29	2.78	2.33	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

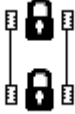



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
	PAGE

RATED LIFT CAPACITY CHART

RIS 1530

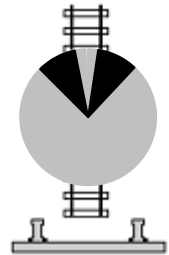
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

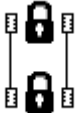

Duty	Config	Sector	Osc Axle	Safety
2bB	RAIL	$\pm 10^\circ - \pm 45^\circ$ Over Front		90%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	-	-
6.0	-	-	5.16a	5.40a	5.53b	4.72b	3.19a	2.81a	2.84	-	-	-
5.0	-	6.26a	6.35a	6.36a	5.40	4.57	3.88	3.28a	2.36a	2.15a	-	-
4.0	-	9.38b	7.47	5.94	5.03	4.30	3.67	2.79a	2.74	2.37	2.04	-
3.0	-	9.07b	7.12	5.61	4.61	3.97	3.43	2.98	2.60	2.24a	1.98	-
2.0	5.12a	5.13a	5.33a	5.26	4.27	3.65	3.20	2.79	2.46	2.16	1.90	-
1.0	3.87a	4.06a	4.22a	4.48a	4.00	3.46	3.01	2.65	2.34	2.07	1.84	-
0.0	3.89a	3.83a	3.86a	4.20a	3.93	3.36	2.92	2.56	2.27	2.01	1.79	-
-1.0	4.36a	4.19a	4.46a	4.72	3.93	3.34	2.89	2.53	2.23	1.99	-	-
-2.0	7.42a	7.59	5.90	4.80	3.98	3.38	2.91	2.55	2.26	2.05	-	-
-3.0	10.00	7.82	6.11	4.98	4.17	3.53	3.07	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

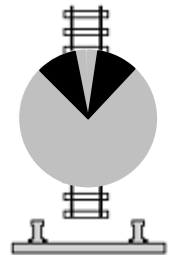


Duty	Config	Sector	Osc Axle	Safety
2bB	RAIL	$\pm 10^\circ - \pm 45^\circ$ Over Front		90%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.46a	5.42a	4.78	3.96	-	-	-	-	-
6.0	-	-	5.19a	5.49a	5.58a	4.89	4.12a	3.43	2.85	-	-	-
5.0	-	6.50a	6.60a	6.54	5.64	4.84	4.18	3.51	2.93	2.44	-	-
4.0	-	9.91	7.87	6.51b	5.52	4.77	4.14	3.54	2.95	2.47	2.05	-
3.0	-	9.61	7.66	6.36b	5.42	4.70	4.11	3.50	2.93	2.44	2.04	-
2.0	7.65a	9.52	7.58	6.28b	5.37	4.68	4.06	3.42	2.84	2.38	2.00	-
1.0	6.79a	9.23	7.44	6.18	5.24	4.52	3.88	3.26	2.72	2.29	1.93	-
0.0	8.88a	8.79	7.05	5.87	4.99	4.31	3.68	3.10	2.59	2.19	1.85	-
-1.0	10.00	8.57	6.83	5.66	4.83	4.13	3.47	2.90	2.43	2.09	-	-
-2.0	10.00	8.49	6.72	5.57	4.67	3.87	3.23	2.76	2.36	2.05	-	-
-3.0	10.00	8.43	6.59	5.38	4.45	3.76	3.13	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

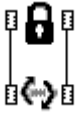



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
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RATED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

RIS 1530

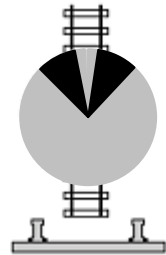
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

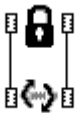

Duty	Config	Sector	Osc Axle	Safety
2bF	RAIL	+/- 10° - +/- 45° Over Front		67%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.45a	4.83	2.66a	3.33	-	-	-	-	-
6.0	-	-	5.16a	5.40a	4.78	3.98	3.19a	2.81a	2.46	-	-	-
5.0	-	6.26a	6.35a	5.64	4.61	3.84	3.27	2.82	2.36a	2.13	-	-
4.0	-	9.36	6.72	5.18	4.30	3.64	3.12	2.71	2.38	2.10	1.85	-
3.0	-	8.94	6.41	4.90	3.94	3.39	2.94	2.58	2.28	2.02	1.80	-
2.0	5.12a	5.13a	5.33a	4.60	3.68	3.15	2.77	2.44	2.18	1.95	1.75	-
1.0	3.87a	4.06a	4.22a	4.32	3.47	3.01	2.64	2.34	2.09	1.88	1.70	-
0.0	3.89a	3.83a	3.86a	4.14	3.42	2.93	2.57	2.28	2.04	1.84	1.67	-
-1.0	4.36a	4.19a	4.46a	4.13	3.42	2.92	2.54	2.25	2.01	1.82	-	-
-2.0	7.42a	7.19	5.33	4.20	3.46	2.95	2.56	2.27	2.04	1.87	-	-
-3.0	10.00	7.41	5.51	4.36	3.60	3.06	2.68	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

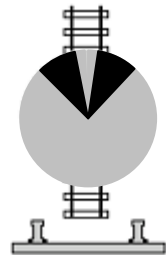


Duty	Config	Sector	Osc Axle	Safety
2bF	RAIL	+/- 10° - +/- 45° Over Front		67%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.46a	4.89	4.02	3.34	-	-	-	-	-
6.0	-	-	5.19a	5.49a	4.90	4.12	3.46	2.91	2.46	-	-	-
5.0	-	6.50a	6.60a	5.87	4.83	4.09	3.51	2.97	2.52	2.15	-	-
4.0	-	9.43	7.15	5.72	4.74	4.03	3.49	2.99	2.54	2.17	1.86	-
3.0	-	9.15	6.97	5.60	4.66	3.98	3.46	2.97	2.52	2.16	1.85	-
2.0	7.65a	9.05	6.89	5.54	4.62	3.96	3.40	2.90	2.47	2.10	1.82	-
1.0	6.79a	8.72	6.69	5.39	4.47	3.80	3.27	2.81	2.37	2.04	1.77	-
0.0	8.88a	8.32	6.35	5.13	4.26	3.64	3.12	2.67	2.27	1.97	1.71	-
-1.0	10.00	8.10	6.15	4.94	4.13	3.51	2.97	2.52	2.16	1.90	-	-
-2.0	10.00	8.03	6.06	4.87	3.99	3.31	2.79	2.42	2.11	1.87	-	-
-3.0	10.00	7.98	5.95	4.70	3.81	3.23	2.72	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

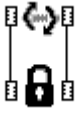



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	17 of 58

RATED LIFT CAPACITY CHART

RIS 1530

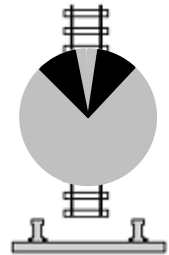
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

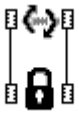

Duty	Config	Sector	Osc Axle	Safety
2bR	RAIL	$\pm 10^\circ - \pm 45^\circ$ Over Front		67%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	4.86	3.89	2.66a	2.62	-	-	-	-	-
6.0	-	-	5.16a	4.78	3.84	3.17	2.65	2.24	1.89	-	-	-
5.0	-	6.26a	5.79	4.52	3.67	3.03	2.56	2.18	1.88	1.61	-	-
4.0	-	7.54	5.34	4.06	3.36	2.83	2.41	2.08	1.81	1.58	1.37	-
3.0	-	7.11	5.03	3.78	3.00	2.58	2.23	1.95	1.71	1.50	1.33	-
2.0	5.12a	5.13a	4.60	3.48	2.74	2.34	2.06	1.81	1.61	1.43	1.27	-
1.0	3.87a	4.06a	4.20	3.20	2.53	2.20	1.93	1.71	1.52	1.36	1.22	-
0.0	3.89a	3.83a	3.86a	3.02	2.48	2.12	1.86	1.64	1.47	1.32	1.19	-
-1.0	4.36a	4.19a	3.85	3.01	2.48	2.11	1.83	1.62	1.44	1.30	-	-
-2.0	7.42a	5.37	3.94	3.08	2.52	2.14	1.85	1.64	1.46	1.34	-	-
-3.0	8.42	5.59	4.13	3.24	2.66	2.25	1.97	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

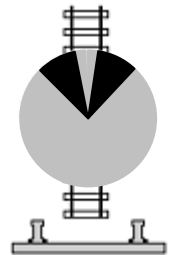


Duty	Config	Sector	Osc Axle	Safety
2bR	RAIL	$\pm 10^\circ - \pm 45^\circ$ Over Front		67%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	4.72	-	-	-	-	-	-	-	-
7.0	-	-	-	4.90	3.96	3.21	2.62	-	-	-	-	-
6.0	-	-	5.19a	4.86	3.96	3.31	2.75	2.28	1.89	-	-	-
5.0	-	6.50a	6.00	4.75	3.89	3.28	2.80	2.34	1.95	1.63	-	-
4.0	-	7.64	5.77	4.60	3.80	3.22	2.78	2.36	1.97	1.65	1.38	-
3.0	-	7.36	5.58	4.48	3.72	3.17	2.75	2.34	1.95	1.64	1.37	-
2.0	7.65a	7.26	5.50	4.42	3.68	3.15	2.69	2.27	1.90	1.58	1.34	-
1.0	6.79a	6.90	5.30	4.27	3.53	2.99	2.56	2.17	1.80	1.52	1.29	-
0.0	8.88a	6.50	4.96	4.01	3.32	2.83	2.41	2.03	1.70	1.45	1.23	-
-1.0	9.13	6.28	4.77	3.82	3.19	2.70	2.26	1.89	1.59	1.38	-	-
-2.0	9.09	6.21	4.67	3.75	3.05	2.50	2.08	1.79	1.54	1.34	-	-
-3.0	9.23	6.16	4.56	3.58	2.87	2.42	2.01	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	18 of 58

RATED LIFT CAPACITY CHART

RIS 1530

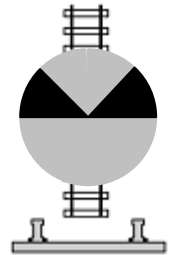
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

Duty	Config	Sector	Osc Axle	Safety
2cU	RAIL	$\pm 45^\circ - \pm 90^\circ$		67%
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	4.47	3.56	2.66a	2.37	-	-	-	-	-
6.0	-	-	5.16a	4.39	3.52	2.89	2.40	2.01	1.69	-	-	-
5.0	-	6.26a	5.30	4.13	3.34	2.75	2.31	1.96	1.68	1.43	-	-
4.0	-	6.90	4.85	3.67	3.03	2.54	2.16	1.86	1.61	1.39	1.20	-
3.0	-	6.48	4.54	3.39	2.67	2.30	1.98	1.73	1.51	1.32	1.16	-
2.0	5.12a	5.13a	4.12	3.08	2.41	2.06	1.81	1.59	1.41	1.25	1.11	-
1.0	3.87a	4.06a	3.71	2.80	2.21	1.91	1.68	1.49	1.32	1.18	1.06	-
0.0	3.89a	3.83a	3.44	2.63	2.15	1.84	1.61	1.42	1.27	1.14	1.02	-
-1.0	4.36a	4.19a	3.37	2.62	2.15	1.83	1.58	1.40	1.24	1.12	-	-
-2.0	7.21	4.74	3.46	2.69	2.19	1.85	1.60	1.42	1.26	1.16	-	-
-3.0	7.50	4.96	3.64	2.85	2.33	1.97	1.72	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

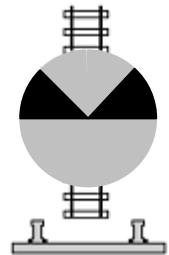


Duty	Config	Sector	Osc Axle	Safety
2cU	RAIL	$\pm 45^\circ - \pm 90^\circ$		67%
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.67a	4.33	-	-	-	-	-	-	-	-
7.0	-	-	-	4.51	3.63	2.93	2.38	-	-	-	-	-
6.0	-	-	5.19a	4.47	3.64	3.03	2.50	2.06	1.69	-	-	-
5.0	-	6.50a	5.51	4.35	3.57	2.99	2.55	2.12	1.75	1.45	-	-
4.0	-	7.00	5.28	4.21	3.47	2.94	2.53	2.14	1.77	1.47	1.21	-
3.0	-	6.73	5.10	4.08	3.39	2.88	2.50	2.12	1.75	1.46	1.21	-
2.0	7.65a	6.63	5.02	4.02	3.35	2.87	2.44	2.05	1.70	1.40	1.18	-
1.0	6.79a	6.27	4.82	3.88	3.20	2.70	2.31	1.95	1.60	1.34	1.12	-
0.0	8.41	5.86	4.48	3.61	2.99	2.54	2.17	1.81	1.50	1.27	1.07	-
-1.0	8.21	5.65	4.28	3.43	2.86	2.42	2.01	1.67	1.39	1.20	-	-
-2.0	8.17	5.58	4.19	3.36	2.73	2.22	1.84	1.57	1.34	1.16	-	-
-3.0	8.31	5.52	4.07	3.19	2.55	2.14	1.77	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

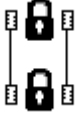



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
	PAGE

RATED LIFT CAPACITY CHART

RIS 1530

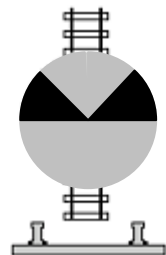
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

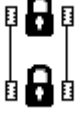

Duty	Config	Sector	Osc Axle	Safety
2cB	RAIL	$\pm 45^\circ - \pm 90^\circ$		90%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.45a	4.87a	2.66a	3.24	-	-	-	-	-
6.0	-	-	5.16a	5.40a	4.95	4.03	3.19a	2.68	2.17	-	-	-
5.0	-	6.26a	6.35a	5.82	4.72	3.83	3.15	2.60	2.16	1.78	-	-
4.0	-	9.38b	6.86	5.21	4.28	3.52	2.92	2.45	2.06	1.72	1.42	-
3.0	-	9.07b	6.44	4.82	3.74	3.15	2.66	2.25	1.91	1.61	1.36	-
2.0	5.12a	5.13a	5.33a	4.41	3.35	2.79	2.40	2.05	1.76	1.50	1.28	-
1.0	3.87a	4.06a	4.22a	3.99	3.05	2.58	2.20	1.89	1.63	1.40	1.21	-
0.0	3.89a	3.83a	3.86a	3.73	2.97	2.47	2.09	1.79	1.55	1.34	1.16	-
-1.0	4.36a	4.19a	4.46a	3.72	2.96	2.45	2.06	1.76	1.51	1.31	-	-
-2.0	7.42a	6.81	4.99	3.82	3.03	2.49	2.08	1.78	1.54	1.38	-	-
-3.0	10.00	7.10	5.23	4.06	3.23	2.66	2.26	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

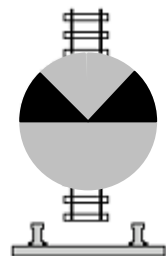


Duty	Config	Sector	Osc Axle	Safety
2cB	RAIL	$\pm 45^\circ - \pm 90^\circ$		90%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.46a	5.09a	4.09	3.24	-	-	-	-	-
6.0	-	-	5.19a	5.49a	5.12	4.24	3.43	2.74	2.18	-	-	-
5.0	-	6.50a	6.60a	6.12	5.02	4.19	3.50	2.84	2.27	1.80	-	-
4.0	-	9.75b	7.43	5.93	4.89	4.10	3.47	2.86	2.30	1.83	1.44	-
3.0	-	9.39	7.19	5.76	4.78	4.03	3.43	2.83	2.26	1.82	1.43	-
2.0	7.65a	9.26	7.08	5.68	4.73	4.00	3.34	2.73	2.20	1.73	1.39	-
1.0	6.79a	8.87	6.81	5.49	4.53	3.76	3.14	2.59	2.04	1.64	1.31	-
0.0	8.88a	8.32	6.36	5.13	4.22	3.52	2.93	2.38	1.90	1.54	1.22	-
-1.0	10.00	8.03	6.09	4.88	4.03	3.33	2.69	2.16	1.73	1.43	-	-
-2.0	10.00	7.94	5.96	4.78	3.83	3.04	2.43	2.01	1.66	1.38	-	-
-3.0	10.00	7.86	5.81	4.56	3.56	2.91	2.33	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

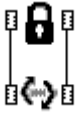



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
	PAGE

RATED LIFT CAPACITY CHART

RIS 1530

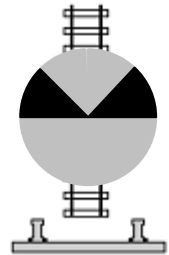
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

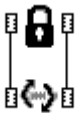

Duty	Config	Sector	Osc Axle	Safety
2cF	RAIL	+/- 45° - +/- 90°		67%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	4.83	3.86	2.66a	2.61	-	-	-	-	-
6.0	-	-	5.16a	4.76	3.82	3.15	2.63	2.22	1.87	-	-	-
5.0	-	6.26a	5.76	4.49	3.65	3.02	2.55	2.17	1.87	1.60	-	-
4.0	-	7.49	5.30	4.04	3.34	2.81	2.39	2.07	1.80	1.56	1.36	-
3.0	-	7.07	5.00	3.75	2.98	2.56	2.22	1.93	1.69	1.49	1.31	-
2.0	5.12a	5.13a	4.57	3.45	2.72	2.32	2.04	1.80	1.60	1.42	1.26	-
1.0	3.87a	4.06a	4.17	3.17	2.51	2.18	1.91	1.69	1.51	1.35	1.21	-
0.0	3.89a	3.83a	3.86a	3.00	2.46	2.10	1.84	1.63	1.46	1.31	1.18	-
-1.0	4.36a	4.19a	3.82	2.99	2.46	2.09	1.82	1.60	1.43	1.29	-	-
-2.0	7.42a	5.33	3.91	3.06	2.50	2.12	1.83	1.62	1.45	1.33	-	-
-3.0	8.37	5.55	4.10	3.22	2.64	2.23	1.95	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

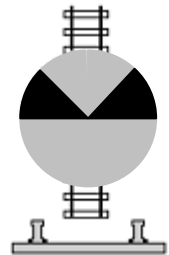


Duty	Config	Sector	Osc Axle	Safety
2cF	RAIL	+/- 45° - +/- 90°		67%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	4.69	-	-	-	-	-	-	-	-
7.0	-	-	-	4.87	3.93	3.19	2.61	-	-	-	-	-
6.0	-	-	5.19a	4.84	3.94	3.29	2.73	2.26	1.88	-	-	-
5.0	-	6.50a	5.97	4.72	3.87	3.26	2.79	2.33	1.94	1.62	-	-
4.0	-	7.60	5.73	4.57	3.78	3.20	2.76	2.35	1.96	1.64	1.37	-
3.0	-	7.32	5.55	4.45	3.70	3.15	2.74	2.32	1.93	1.63	1.36	-
2.0	7.65a	7.22	5.47	4.39	3.66	3.13	2.68	2.26	1.89	1.57	1.33	-
1.0	6.79a	6.86	5.27	4.25	3.51	2.97	2.54	2.16	1.79	1.51	1.28	-
0.0	8.88a	6.45	4.93	3.98	3.30	2.81	2.40	2.02	1.69	1.44	1.22	-
-1.0	9.07	6.24	4.74	3.80	3.17	2.68	2.24	1.87	1.58	1.37	-	-
-2.0	9.03	6.17	4.64	3.72	3.03	2.49	2.07	1.77	1.53	1.33	-	-
-3.0	9.17	6.12	4.53	3.56	2.85	2.40	2.00	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

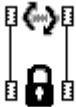



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	21 of 58

RATED LIFT CAPACITY CHART

RIS 1530

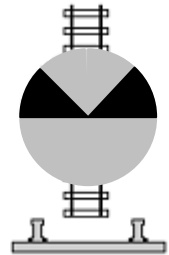
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

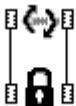

Duty	Config	Sector	Osc Axle	Safety
2cR	RAIL	+/- 45° - +/- 90°		67%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.17	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	4.06	3.22	2.60	2.12	-	-	-	-	-
6.0	-	-	5.16a	3.99	3.18	2.59	2.14	1.79	1.48	-	-	-
5.0	-	6.26a	4.80	3.72	3.00	2.46	2.06	1.73	1.47	1.24	-	-
4.0	-	6.24	4.35	3.26	2.69	2.25	1.90	1.63	1.40	1.21	1.03	-
3.0	-	5.82	4.04	2.98	2.33	2.00	1.73	1.50	1.30	1.13	0.97	-
2.0	5.12a	5.13a	3.62	2.68	2.07	1.77	1.55	1.36	1.20	1.06	0.89	-
1.0	3.87a	4.06a	3.21	2.40	1.86	1.62	1.42	1.26	1.11	0.98	0.82	-
0.0	3.89a	3.83a	2.94	2.22	1.81	1.55	1.35	1.19	1.06	0.92	0.77	-
-1.0	4.36a	4.01	2.87	2.22	1.81	1.53	1.33	1.17	1.04	0.89	-	-
-2.0	6.25	4.08	2.96	2.28	1.85	1.56	1.34	1.19	1.06	0.95	-	-
-3.0	6.54	4.30	3.14	2.44	1.99	1.68	1.46	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

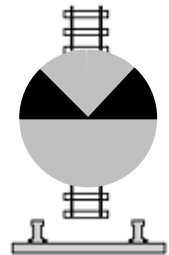


Duty	Config	Sector	Osc Axle	Safety
2cR	RAIL	+/- 45° - +/- 90°		67%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.18	3.92	-	-	-	-	-	-	-	-
7.0	-	-	-	4.10	3.29	2.63	2.12	-	-	-	-	-
6.0	-	-	5.19a	4.07	3.30	2.73	2.24	1.83	1.48	-	-	-
5.0	-	6.50a	5.01	3.95	3.23	2.70	2.30	1.89	1.55	1.26	-	-
4.0	-	6.34	4.78	3.80	3.13	2.64	2.27	1.91	1.56	1.28	1.04	-
3.0	-	6.07	4.60	3.68	3.05	2.59	2.25	1.89	1.54	1.27	1.03	-
2.0	7.65a	5.97	4.51	3.62	3.01	2.57	2.19	1.82	1.50	1.21	1.00	-
1.0	6.79a	5.61	4.32	3.47	2.86	2.41	2.05	1.72	1.39	1.15	0.92	-
0.0	7.45	5.20	3.98	3.21	2.65	2.25	1.91	1.58	1.30	1.08	0.83	-
-1.0	7.25	4.99	3.78	3.02	2.52	2.12	1.75	1.44	1.18	1.01	-	-
-2.0	7.21	4.92	3.68	2.95	2.39	1.93	1.58	1.34	1.13	0.95	-	-
-3.0	7.35	4.86	3.57	2.79	2.20	1.84	1.51	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

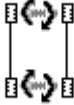



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	22 of 58

RATED LIFT CAPACITY CHART

RIS 1530

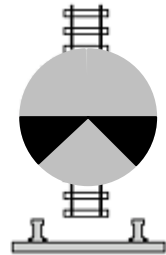
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

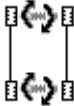

Duty	Config	Sector	Osc Axle	Safety
2dU	RAIL	$\pm 90^\circ - \pm 135^\circ$		67%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	4.47	3.56	2.66a	2.37	-	-	-	-	-
6.0	-	-	5.16a	4.39	3.52	2.89	2.40	2.01	1.69	-	-	-
5.0	-	6.26a	5.30	4.13	3.34	2.75	2.31	1.96	1.68	1.43	-	-
4.0	-	6.90	4.85	3.67	3.03	2.54	2.16	1.86	1.61	1.39	1.20	-
3.0	-	6.48	4.54	3.39	2.67	2.30	1.98	1.73	1.51	1.32	1.16	-
2.0	5.12a	5.13a	4.12	3.08	2.41	2.06	1.81	1.59	1.41	1.25	1.11	-
1.0	3.87a	4.06a	3.71	2.80	2.21	1.91	1.68	1.49	1.32	1.18	1.06	-
0.0	3.89a	3.83a	3.44	2.63	2.15	1.84	1.61	1.42	1.27	1.14	1.02	-
-1.0	4.36a	4.19a	3.37	2.62	2.15	1.83	1.58	1.40	1.24	1.12	-	-
-2.0	7.21	4.74	3.46	2.69	2.19	1.85	1.60	1.42	1.26	1.16	-	-
-3.0	7.50	4.96	3.64	2.85	2.33	1.97	1.72	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

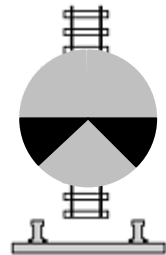


Duty	Config	Sector	Osc Axle	Safety
2dU	RAIL	$\pm 90^\circ - \pm 135^\circ$		67%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.67a	4.33	-	-	-	-	-	-	-	-
7.0	-	-	-	4.51	3.63	2.93	2.38	-	-	-	-	-
6.0	-	-	5.19a	4.47	3.64	3.03	2.50	2.06	1.69	-	-	-
5.0	-	6.50a	5.51	4.35	3.57	2.99	2.55	2.12	1.75	1.45	-	-
4.0	-	7.00	5.28	4.21	3.47	2.94	2.53	2.14	1.77	1.47	1.21	-
3.0	-	6.73	5.10	4.08	3.39	2.88	2.50	2.12	1.75	1.46	1.21	-
2.0	7.65a	6.63	5.02	4.02	3.35	2.87	2.44	2.05	1.70	1.40	1.18	-
1.0	6.79a	6.27	4.82	3.88	3.20	2.70	2.31	1.95	1.60	1.34	1.12	-
0.0	8.41	5.86	4.48	3.61	2.99	2.54	2.17	1.81	1.50	1.27	1.07	-
-1.0	8.21	5.65	4.28	3.43	2.86	2.42	2.01	1.67	1.39	1.20	-	-
-2.0	8.17	5.58	4.19	3.36	2.73	2.22	1.84	1.57	1.34	1.16	-	-
-3.0	8.31	5.52	4.07	3.19	2.55	2.14	1.77	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

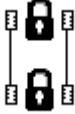



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	23 of 58

RATED LIFT CAPACITY CHART

RIS 1530

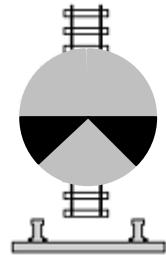
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

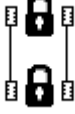

Duty	Config	Sector	Osc Axle	Safety
2dB	RAIL	+/- 90° - +/- 135°		90%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.45a	4.87a	2.66a	3.24	-	-	-	-	-
6.0	-	-	5.16a	5.40a	4.95	4.03	3.19a	2.68	2.17	-	-	-
5.0	-	6.26a	6.35a	5.82	4.72	3.83	3.15	2.60	2.16	1.78	-	-
4.0	-	9.38b	6.86	5.21	4.28	3.52	2.92	2.45	2.06	1.72	1.42	-
3.0	-	9.07b	6.44	4.82	3.74	3.15	2.66	2.25	1.91	1.61	1.36	-
2.0	5.12a	5.13a	5.33a	4.41	3.35	2.79	2.40	2.05	1.76	1.50	1.28	-
1.0	3.87a	4.06a	4.22a	3.99	3.05	2.58	2.20	1.89	1.63	1.40	1.21	-
0.0	3.89a	3.83a	3.86a	3.73	2.97	2.47	2.09	1.79	1.55	1.34	1.16	-
-1.0	4.36a	4.19a	4.46a	3.72	2.96	2.45	2.06	1.76	1.51	1.31	-	-
-2.0	7.42a	6.81	4.99	3.82	3.03	2.49	2.08	1.78	1.54	1.38	-	-
-3.0	10.00	7.11	5.23	4.06	3.23	2.66	2.26	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

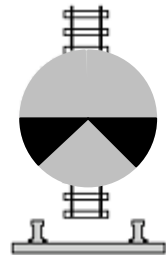


Duty	Config	Sector	Osc Axle	Safety
2dB	RAIL	+/- 90° - +/- 135°		90%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.46a	5.09a	4.09	3.24	-	-	-	-	-
6.0	-	-	5.19a	5.49a	5.12	4.24	3.43	2.74	2.18	-	-	-
5.0	-	6.50a	6.60a	6.12	5.02	4.19	3.50	2.84	2.27	1.80	-	-
4.0	-	9.75b	7.43	5.93	4.89	4.10	3.47	2.86	2.30	1.83	1.44	-
3.0	-	9.39	7.19	5.76	4.78	4.03	3.43	2.83	2.26	1.82	1.43	-
2.0	7.65a	9.26	7.08	5.68	4.73	4.00	3.34	2.73	2.20	1.73	1.39	-
1.0	6.79a	8.87	6.81	5.49	4.53	3.76	3.14	2.59	2.05	1.64	1.31	-
0.0	8.88a	8.32	6.36	5.13	4.22	3.52	2.93	2.38	1.90	1.54	1.22	-
-1.0	10.00	8.03	6.09	4.88	4.03	3.33	2.69	2.16	1.73	1.43	-	-
-2.0	10.00	7.94	5.96	4.78	3.83	3.04	2.43	2.01	1.66	1.38	-	-
-3.0	10.00	7.86	5.81	4.56	3.56	2.91	2.33	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

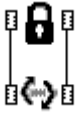



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	24 of 58

RATED LIFT CAPACITY CHART

RIS 1530

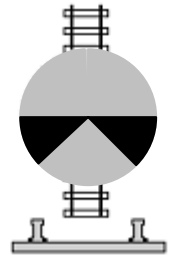
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

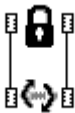

Duty	Config	Sector	Osc Axle	Safety
2dF	RAIL	$\pm 90^\circ - \pm 135^\circ$		67%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	4.51	3.52	-	-	-	-	-	-	-	
7.0	-	-	-	3.66	2.97	2.45	2.02	-	-	-	-	
6.0	-	-	4.52	3.60	2.94	2.44	2.05	1.73	1.45	-	-	
5.0	-	5.46	4.20	3.37	2.78	2.32	1.97	1.68	1.44	1.23	-	
4.0	-	5.21	3.82	2.97	2.50	2.13	1.83	1.59	1.38	1.20	1.03	
3.0	-	4.87	3.56	2.73	2.19	1.91	1.67	1.46	1.28	1.13	0.98	
2.0	5.12a	4.37	3.21	2.46	1.95	1.70	1.51	1.34	1.19	1.06	0.91	
1.0	3.87a	3.84	2.87	2.22	1.77	1.57	1.39	1.24	1.11	0.99	0.84	
0.0	3.89a	3.51	2.64	2.07	1.73	1.50	1.33	1.18	1.06	0.93	0.79	
-1.0	4.36a	3.42	2.58	2.06	1.72	1.49	1.30	1.16	1.04	0.91	-	
-2.0	4.87	3.48	2.65	2.12	1.76	1.51	1.32	1.18	1.06	0.96	-	
-3.0	5.08	3.65	2.81	2.26	1.88	1.62	1.43	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	

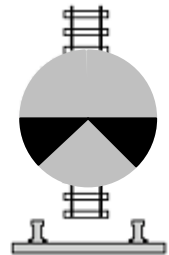


Duty	Config	Sector	Osc Axle	Safety
2dF	RAIL	$\pm 90^\circ - \pm 135^\circ$		67%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	4.52	3.54	-	-	-	-	-	-	-	
7.0	-	-	-	3.70	3.03	2.48	2.03	-	-	-	-	
6.0	-	-	4.54	3.67	3.04	2.57	2.14	1.77	1.45	-	-	
5.0	-	5.60	4.38	3.56	2.98	2.54	2.19	1.82	1.51	1.24	-	
4.0	-	5.29	4.18	3.44	2.90	2.49	2.16	1.84	1.53	1.27	1.04	
3.0	-	5.07	4.03	3.33	2.82	2.44	2.14	1.82	1.51	1.26	1.03	
2.0	6.70	4.99	3.96	3.28	2.79	2.42	2.09	1.76	1.46	1.20	1.00	
1.0	6.07	4.70	3.80	3.15	2.66	2.28	1.97	1.67	1.37	1.14	0.93	
0.0	5.75	4.37	3.51	2.92	2.47	2.13	1.83	1.54	1.28	1.08	0.85	
-1.0	5.60	4.20	3.35	2.76	2.36	2.02	1.69	1.41	1.18	1.01	-	
-2.0	5.57	4.15	3.27	2.70	2.24	1.84	1.53	1.31	1.13	0.96	-	
-3.0	5.67	4.10	3.17	2.56	2.07	1.77	1.47	-	-	-	-	
-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

RATED LIFT CAPACITY CHART

RIS 1530

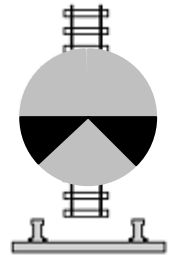
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

Duty	Config	Sector	Osc Axle	Safety
2dR	RAIL	$\pm 90^\circ - \pm 135^\circ$		67%
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	4.47	3.56	2.66a	2.37	-	-	-	-	-
6.0	-	-	5.16a	4.39	3.52	2.89	2.40	2.01	1.69	-	-	-
5.0	-	6.26a	5.30	4.13	3.34	2.75	2.31	1.96	1.68	1.43	-	-
4.0	-	6.90	4.85	3.67	3.03	2.54	2.16	1.86	1.61	1.39	1.20	-
3.0	-	6.48	4.54	3.39	2.67	2.30	1.98	1.73	1.51	1.32	1.16	-
2.0	5.12a	5.13a	4.12	3.08	2.41	2.06	1.81	1.59	1.41	1.25	1.11	-
1.0	3.87a	4.06a	3.71	2.80	2.21	1.91	1.68	1.49	1.32	1.18	1.06	-
0.0	3.89a	3.83a	3.44	2.63	2.15	1.84	1.61	1.42	1.27	1.14	1.02	-
-1.0	4.36a	4.19a	3.37	2.62	2.15	1.83	1.58	1.40	1.24	1.12	-	-
-2.0	7.21	4.74	3.46	2.69	2.19	1.85	1.60	1.42	1.26	1.16	-	-
-3.0	7.50	4.96	3.64	2.85	2.33	1.97	1.72	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

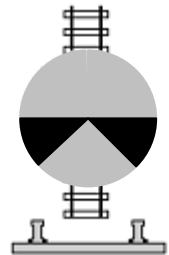


Duty	Config	Sector	Osc Axle	Safety
2dR	RAIL	$\pm 90^\circ - \pm 135^\circ$		67%
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.67a	4.33	-	-	-	-	-	-	-	-
7.0	-	-	-	4.51	3.63	2.93	2.38	-	-	-	-	-
6.0	-	-	5.19a	4.47	3.64	3.03	2.50	2.06	1.69	-	-	-
5.0	-	6.50a	5.51	4.35	3.57	2.99	2.55	2.12	1.75	1.45	-	-
4.0	-	7.00	5.28	4.21	3.47	2.94	2.53	2.14	1.77	1.47	1.21	-
3.0	-	6.73	5.10	4.08	3.39	2.88	2.50	2.12	1.75	1.46	1.21	-
2.0	7.65a	6.63	5.02	4.02	3.35	2.87	2.44	2.05	1.70	1.40	1.18	-
1.0	6.79a	6.27	4.82	3.88	3.20	2.70	2.31	1.95	1.60	1.34	1.12	-
0.0	8.41	5.86	4.48	3.61	2.99	2.54	2.17	1.81	1.50	1.27	1.07	-
-1.0	8.21	5.65	4.28	3.43	2.86	2.42	2.01	1.67	1.39	1.20	-	-
-2.0	8.17	5.58	4.19	3.36	2.73	2.22	1.84	1.57	1.34	1.16	-	-
-3.0	8.31	5.52	4.07	3.19	2.55	2.14	1.77	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

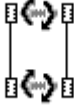



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	26 of 58

RATED LIFT CAPACITY CHART

RIS 1530

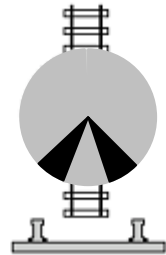
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

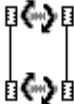

Duty	Config	Sector	Osc Axle	Safety
2eU	RAIL	+/- 135° - +/- 160° Over Rear		67%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	4.85	3.99	2.66a	2.82	-	-	-	-	-
6.0	-	-	5.16a	4.79	3.95	3.33	2.84	2.44	2.10	-	-	-
5.0	-	6.26a	5.63	4.55	3.80	3.21	2.76	2.39	2.09	1.83	-	-
4.0	-	6.99	5.25	4.16	3.52	3.02	2.62	2.30	2.03	1.79	1.58	-
3.0	-	6.65	4.99	3.91	3.21	2.80	2.46	2.18	1.93	1.72	1.54	-
2.0	5.12a	5.13a	4.63	3.65	2.97	2.59	2.30	2.05	1.84	1.65	1.49	-
1.0	3.87a	4.06a	4.22a	3.41	2.79	2.46	2.18	1.96	1.76	1.59	1.44	-
0.0	3.89a	3.83a	3.86a	3.26	2.75	2.39	2.12	1.90	1.71	1.55	1.41	-
-1.0	4.36a	4.19a	4.01	3.25	2.74	2.38	2.10	1.87	1.69	1.54	-	-
-2.0	7.25	5.26	4.08	3.31	2.78	2.40	2.11	1.89	1.71	1.58	-	-
-3.0	7.46	5.43	4.24	3.45	2.90	2.51	2.22	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

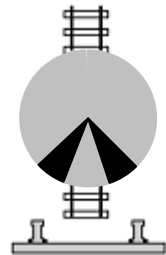


Duty	Config	Sector	Osc Axle	Safety
2eU	RAIL	+/- 135° - +/- 160° Over Rear		67%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	4.73	-	-	-	-	-	-	-	-
7.0	-	-	-	4.89	4.05	3.37	2.82	-	-	-	-	-
6.0	-	-	5.19a	4.85	4.06	3.46	2.93	2.48	2.10	-	-	-
5.0	-	6.50a	5.81	4.75	4.00	3.43	2.98	2.54	2.16	1.84	-	-
4.0	-	7.07	5.61	4.63	3.91	3.38	2.96	2.56	2.18	1.86	1.59	-
3.0	-	6.85	5.46	4.52	3.84	3.33	2.93	2.53	2.15	1.85	1.58	-
2.0	7.65a	6.77	5.39	4.47	3.81	3.31	2.88	2.47	2.11	1.80	1.56	-
1.0	6.79a	6.48	5.22	4.34	3.68	3.17	2.76	2.38	2.02	1.74	1.51	-
0.0	8.13	6.16	4.94	4.11	3.49	3.02	2.63	2.25	1.93	1.67	1.45	-
-1.0	7.98	5.99	4.77	3.95	3.38	2.91	2.48	2.12	1.82	1.61	-	-
-2.0	7.95	5.93	4.69	3.89	3.25	2.73	2.33	2.03	1.78	1.58	-	-
-3.0	8.05	5.89	4.60	3.75	3.09	2.66	2.26	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

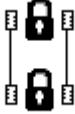



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	27 of 58

RATED LIFT CAPACITY CHART

RIS 1530

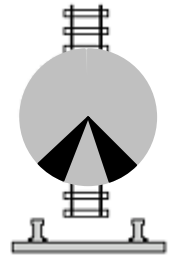
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

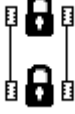

Duty	Config	Sector	Osc Axle	Safety
2eB	RAIL	+/- 135° - +/- 160° Over Rear		90%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	-	-
6.0	-	-	5.16a	5.40a	5.53b	4.72b	3.19a	2.81a	2.86a	-	-	-
5.0	-	6.26a	6.35a	6.36a	5.44b	4.68b	4.01	3.28a	2.36a	2.15a	-	-
4.0	-	9.38b	7.53b	6.11	5.18	4.45	3.80	2.79a	2.84	2.46	2.12	-
3.0	-	9.07b	7.31b	5.78	4.75	4.12	3.56	3.09	2.70	2.24a	2.06	-
2.0	5.12a	5.13a	5.33a	5.43	4.43	3.80	3.32	2.91	2.56	2.26	1.99	-
1.0	3.87a	4.06a	4.22a	4.48a	4.16	3.60	3.14	2.77	2.44	2.16	1.92	-
0.0	3.89a	3.83a	3.86a	4.20a	4.09	3.50	3.05	2.68	2.37	2.10	1.88	-
-1.0	4.36a	4.19a	4.46a	4.89	4.09	3.48	3.01	2.64	2.33	2.08	-	-
-2.0	7.42a	7.72a	6.11	4.97	4.15	3.52	3.04	2.67	2.36	2.14	-	-
-3.0	10.00	8.08	6.31	5.16	4.33	3.68	3.20	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

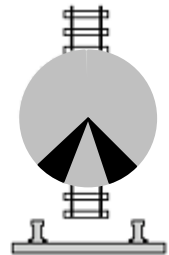


Duty	Config	Sector	Osc Axle	Safety
2eB	RAIL	+/- 135° - +/- 160° Over Rear		90%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.46a	5.42a	4.90	4.09	-	-	-	-	-
6.0	-	-	5.19a	5.49a	5.58a	5.01	4.25	3.55	2.95	-	-	-
5.0	-	6.50a	6.60a	6.61a	5.77	4.96	4.30	3.63	3.04	2.53	-	-
4.0	-	9.93b	8.05	6.65	5.65	4.88	4.26	3.64	3.05	2.57	2.14	-
3.0	-	9.80b	7.84	6.50	5.55b	4.82	4.22	3.61	3.03	2.54	2.13	-
2.0	7.65a	9.70	7.75	6.43	5.50b	4.79	4.18	3.52	2.94	2.47	2.09	-
1.0	6.79a	9.49	7.64	6.35	5.38	4.65	4.00	3.37	2.83	2.39	2.01	-
0.0	8.88a	9.05	7.26	6.04	5.13	4.45	3.81	3.21	2.69	2.29	1.94	-
-1.0	10.00	8.82	7.04	5.83	4.98	4.28	3.59	3.01	2.54	2.19	-	-
-2.0	10.00	8.75	6.93	5.74	4.82	4.01	3.36	2.87	2.47	2.14	-	-
-3.0	10.00	8.69	6.80	5.55	4.60	3.90	3.26	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

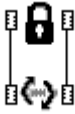



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	28 of 58

RATED LIFT CAPACITY CHART

RIS 1530

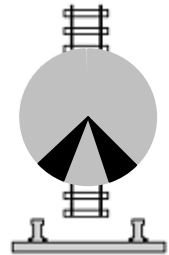
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

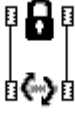

Duty	Config	Sector	Osc Axle	Safety
2eF	RAIL	+/- 135° - +/- 160° Over Rear		67%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.33	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	4.34	3.56	2.66a	2.48	-	-	-	-	-
6.0	-	-	5.16a	4.28	3.52	2.95	2.50	2.14	1.82	-	-	-
5.0	-	6.26a	5.02	4.05	3.36	2.83	2.42	2.09	1.82	1.57	-	-
4.0	-	6.23	4.64	3.65	3.09	2.64	2.28	1.99	1.75	1.54	1.35	-
3.0	-	5.89	4.38	3.41	2.77	2.42	2.12	1.87	1.66	1.47	1.30	-
2.0	5.12a	5.13a	4.03	3.15	2.54	2.21	1.97	1.75	1.56	1.40	1.26	-
1.0	3.87a	4.06a	3.68	2.90	2.36	2.08	1.84	1.65	1.48	1.34	1.21	-
0.0	3.89a	3.83a	3.46	2.75	2.31	2.01	1.78	1.59	1.43	1.30	1.18	-
-1.0	4.36a	4.19a	3.40	2.74	2.31	2.00	1.76	1.57	1.41	1.28	-	-
-2.0	6.23	4.50	3.47	2.80	2.35	2.02	1.77	1.59	1.43	1.32	-	-
-3.0	6.44	4.67	3.63	2.94	2.47	2.13	1.88	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

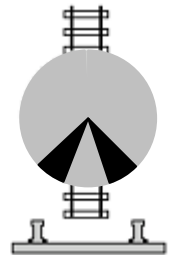


Duty	Config	Sector	Osc Axle	Safety
2eF	RAIL	+/- 135° - +/- 160° Over Rear		67%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.34	4.22	-	-	-	-	-	-	-	-
7.0	-	-	-	4.38	3.62	2.99	2.48	-	-	-	-	-
6.0	-	-	5.19a	4.35	3.63	3.08	2.59	2.18	1.82	-	-	-
5.0	-	6.48	5.20	4.25	3.56	3.05	2.64	2.23	1.88	1.59	-	-
4.0	-	6.31	5.00	4.12	3.48	3.00	2.62	2.25	1.90	1.61	1.35	-
3.0	-	6.09	4.85	4.01	3.41	2.95	2.60	2.23	1.88	1.60	1.35	-
2.0	7.65a	6.01	4.78	3.96	3.37	2.93	2.54	2.17	1.84	1.54	1.32	-
1.0	6.79a	5.72	4.61	3.84	3.24	2.79	2.42	2.08	1.74	1.49	1.27	-
0.0	7.11	5.40	4.33	3.60	3.06	2.64	2.29	1.95	1.65	1.42	1.22	-
-1.0	6.96	5.23	4.16	3.44	2.94	2.53	2.15	1.82	1.55	1.35	-	-
-2.0	6.93	5.17	4.08	3.38	2.82	2.35	1.99	1.72	1.50	1.32	-	-
-3.0	7.04	5.13	3.99	3.24	2.66	2.28	1.92	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

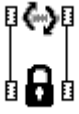



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	29 of 58

RATED LIFT CAPACITY CHART

RIS 1530

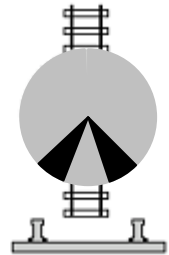
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

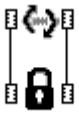

Duty	Config	Sector	Osc Axle	Safety
2eR	RAIL	+/- 135° - +/- 160° Over Rear		67%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.45a	4.83	2.66a	3.47	-	-	-	-	-
6.0	-	-	5.16a	5.40a	4.79	4.06	3.19a	2.81a	2.63	-	-	-
5.0	-	6.26a	6.35a	5.53	4.63	3.94	3.41	2.98	2.36a	2.15a	-	-
4.0	-	8.45	6.42	5.14	4.36	3.76	3.27	2.79a	2.56	2.28	2.03	-
3.0	-	8.12	6.16	4.89	4.04	3.53	3.11	2.76	2.46	2.21	1.99	-
2.0	5.12a	5.13a	5.33a	4.63	3.81	3.32	2.95	2.64	2.37	2.14	1.94	-
1.0	3.87a	4.06a	4.22a	4.39	3.63	3.19	2.83	2.54	2.29	2.08	1.90	-
0.0	3.89a	3.83a	3.86a	4.20a	3.58	3.12	2.77	2.48	2.24	2.04	1.86	-
-1.0	4.36a	4.19a	4.46a	4.23	3.58	3.11	2.75	2.46	2.22	2.02	-	-
-2.0	7.42a	6.72	5.25	4.29	3.62	3.13	2.76	2.47	2.24	2.06	-	-
-3.0	9.41	6.90	5.41	4.43	3.74	3.24	2.87	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

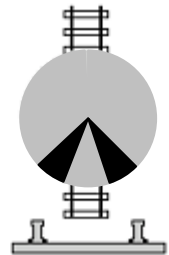


Duty	Config	Sector	Osc Axle	Safety
2eR	RAIL	+/- 135° - +/- 160° Over Rear		67%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.46a	4.88	4.10	3.47	-	-	-	-	-
6.0	-	-	5.19a	5.49a	4.90	4.19	3.58	3.07	2.63	-	-	-
5.0	-	6.50a	6.60a	5.73	4.83	4.16	3.63	3.12	2.69	2.33	-	-
4.0	-	8.54	6.78	5.60	4.75	4.11	3.61	3.13	2.71	2.35	2.04	-
3.0	-	8.32	6.63	5.49	4.68	4.06	3.58	3.12	2.69	2.33	2.03	-
2.0	7.65a	8.23	6.56	5.44	4.64	4.05	3.53	3.06	2.64	2.28	2.01	-
1.0	6.79a	7.95	6.39	5.32	4.51	3.90	3.41	2.97	2.55	2.23	1.96	-
0.0	8.88a	7.62	6.11	5.09	4.33	3.76	3.28	2.84	2.46	2.16	1.90	-
-1.0	9.93	7.45	5.94	4.93	4.21	3.64	3.13	2.71	2.36	2.10	-	-
-2.0	9.90	7.39	5.86	4.86	4.09	3.47	2.98	2.61	2.31	2.06	-	-
-3.0	10.00	7.35	5.77	4.72	3.93	3.39	2.91	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

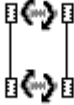



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
	PAGE

RATED LIFT CAPACITY CHART

RIS 1530

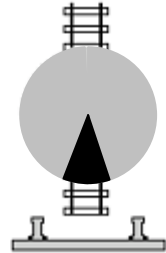
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

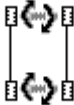

Duty	Config	Sector	Osc Axle	Safety
2fU	RAIL	+/- 20° Over Rear		67%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	-	-
6.0	-	-	5.16a	5.40a	5.00	4.23	3.19a	2.81a	2.72	-	-	-
5.0	-	6.26a	6.35a	5.80	4.84	4.10	3.54	3.09	2.36a	2.15a	-	-
4.0	-	9.02	6.79	5.40	4.56	3.91	3.40	2.79a	2.65	2.36	2.10	-
3.0	-	8.67	6.52	5.14	4.23	3.69	3.24	2.87	2.55	2.24a	2.06	-
2.0	5.12a	5.13a	5.33a	4.87	3.99	3.47	3.08	2.74	2.46	2.22	2.01	-
1.0	3.87a	4.06a	4.22a	4.48a	3.81	3.33	2.95	2.64	2.38	2.15	1.96	-
0.0	3.89a	3.83a	3.86a	4.20a	3.76	3.26	2.89	2.58	2.33	2.11	1.93	-
-1.0	4.36a	4.19a	4.46a	4.46	3.76	3.25	2.86	2.56	2.30	2.10	-	-
-2.0	7.42a	7.20	5.57	4.52	3.79	3.28	2.88	2.57	2.32	2.14	-	-
-3.0	10.00	7.39	5.73	4.66	3.92	3.38	2.99	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

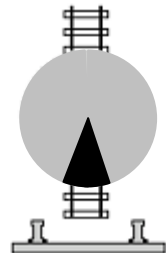


Duty	Config	Sector	Osc Axle	Safety
2fU	RAIL	+/- 20° Over Rear		67%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.46a	5.09	4.27	3.60	-	-	-	-	-
6.0	-	-	5.19a	5.49a	5.11	4.36	3.72	3.18	2.73	-	-	-
5.0	-	6.50a	6.60a	6.01	5.05	4.33	3.77	3.23	2.78	2.41	-	-
4.0	-	9.11	7.16	5.88	4.96	4.28	3.74	3.25	2.80	2.43	2.11	-
3.0	-	8.88	7.01	5.77	4.89	4.23	3.72	3.23	2.78	2.41	2.10	-
2.0	7.65a	8.79	6.93	5.71	4.85	4.21	3.67	3.17	2.72	2.36	2.07	-
1.0	6.79a	8.49	6.76	5.58	4.71	4.06	3.54	3.05	2.64	2.31	2.02	-
0.0	8.88a	8.15	6.46	5.35	4.52	3.91	3.41	2.95	2.55	2.24	1.97	-
-1.0	10.00	7.97	6.29	5.18	4.41	3.80	3.26	2.81	2.44	2.17	-	-
-2.0	10.00	7.91	6.21	5.11	4.28	3.62	3.10	2.72	2.40	2.14	-	-
-3.0	10.00	7.86	6.11	4.97	4.12	3.54	3.03	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

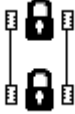



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
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RATED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

RIS 1530

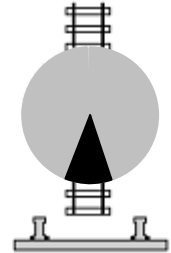
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

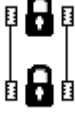

Duty	Config	Sector	Osc Axle	Safety
2fB	RAIL	+/- 20° Over Rear		90%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	
7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	-	
6.0	-	-	5.16a	5.40a	5.53b	4.72b	3.19a	2.81a	2.86a	-	-	
5.0	-	6.26a	6.35a	6.36a	5.44b	4.68b	4.08b	3.28a	2.36a	2.15a	-	
4.0	-	9.38b	7.53b	6.25b	5.32b	4.61b	4.04b	2.79a	2.93a	2.73a	2.94a	
3.0	-	9.07b	7.31b	6.10b	5.22b	4.54b	4.01b	3.30a	3.33a	2.24a	2.94a	
2.0	5.12a	5.13a	5.33a	5.86a	5.17b	4.52b	4.44b	3.47a	2.65a	3.36	2.64a	
1.0	3.87a	4.06a	4.22a	4.48a	5.03a	5.37	4.71	3.05a	3.66	3.26	2.91	
0.0	3.89a	3.83a	3.86a	4.20a	6.14	5.27	4.62	3.71a	3.59	3.15a	2.86	
-1.0	4.36a	4.19a	4.46a	6.20a	6.13	5.25	4.58	4.02	3.55	3.17	-	
-2.0	7.42a	7.72a	7.61b	6.26b	5.68b	5.29	4.61	4.04	3.58	3.08b	-	
-3.0	10.00	9.86b	7.83b	6.46b	5.49b	4.78b	4.25b	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	

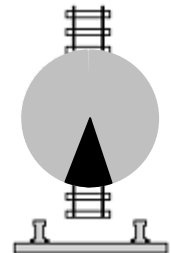


Duty	Config	Sector	Osc Axle	Safety
2fB	RAIL	+/- 20° Over Rear		90%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	
7.0	-	-	-	5.46a	5.42a	5.17a	4.30a	-	-	-	-	
6.0	-	-	5.19a	5.49a	5.58a	5.57r	5.28r	4.81r	3.87a	-	-	
5.0	-	6.50a	6.60a	6.61a	6.47a	5.93b	5.49r	4.96b	4.28	3.65	-	
4.0	-	9.93b	9.53r	8.10r	7.06r	6.34r	5.57	4.92b	4.30	3.67	3.13	
3.0	-	10.00	10.00	8.70b	7.31	6.30	5.51	4.89b	4.27	3.64	3.12	
2.0	7.65a	10.00	10.00	8.63b	7.25b	6.25	5.48	4.88	4.19	3.59	3.07	
1.0	6.79a	10.00	10.00	8.66b	7.27b	6.28	5.52	4.75	4.06	3.50	3.01	
0.0	8.88a	10.00	10.00	8.70	7.27	6.21	5.36	4.58	3.94	3.36	2.93	
-1.0	10.00	10.00	10.00	8.48	7.09	6.04	5.11	4.42	3.77	3.29	-	
-2.0	10.00	10.00	10.00	8.38	6.91	5.78	4.92	4.27	3.69	3.08b	-	
-3.0	10.00	10.00	10.00	8.16	6.67	5.67	4.73b	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	

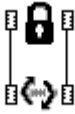



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
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RATED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

RIS 1530

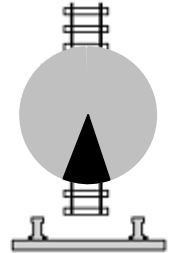
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

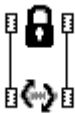

Duty	Config	Sector	Osc Axle	Safety
2fF	RAIL	+/- 20° Over Rear		67%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	
7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	-	
6.0	-	-	5.16a	5.40a	5.00	4.23	3.19a	2.81a	2.72	-	-	
5.0	-	6.26a	6.35a	5.80	4.84	4.10	3.54	3.09	2.36a	2.15a	-	
4.0	-	9.02	6.79	5.40	4.56	3.91	3.40	2.79a	2.65	2.36	2.10	
3.0	-	8.67	6.52	5.14	4.23	3.69	3.24	2.87	2.55	2.24a	2.06	
2.0	5.12a	5.13a	5.33a	4.87	3.99	3.47	3.08	2.74	2.46	2.22	2.01	
1.0	3.87a	4.06a	4.22a	4.48a	3.81	3.33	2.95	2.64	2.38	2.15	1.96	
0.0	3.89a	3.83a	3.86a	4.20a	3.76	3.26	2.89	2.58	2.33	2.11	1.93	
-1.0	4.36a	4.19a	4.46a	4.46	3.76	3.25	2.86	2.56	2.30	2.10	-	
-2.0	7.42a	7.20	5.57	4.52	3.79	3.28	2.88	2.57	2.32	2.14	-	
-3.0	10.00	7.39	5.73	4.66	3.92	3.38	2.99	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	

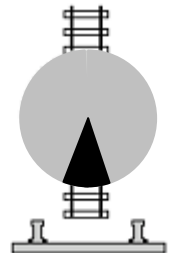


Duty	Config	Sector	Osc Axle	Safety
2fF	RAIL	+/- 20° Over Rear		67%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	
7.0	-	-	-	5.46a	5.09	4.27	3.60	-	-	-	-	
6.0	-	-	5.19a	5.49a	5.11	4.36	3.72	3.18	2.73	-	-	
5.0	-	6.50a	6.60a	6.01	5.05	4.33	3.77	3.23	2.78	2.41	-	
4.0	-	9.11	7.16	5.88	4.96	4.28	3.74	3.25	2.80	2.43	2.11	
3.0	-	8.88	7.01	5.77	4.89	4.23	3.72	3.23	2.78	2.41	2.10	
2.0	7.65a	8.79	6.93	5.71	4.85	4.21	3.67	3.17	2.72	2.36	2.07	
1.0	6.79a	8.49	6.76	5.58	4.71	4.06	3.54	3.05	2.64	2.31	2.02	
0.0	8.88a	8.15	6.46	5.35	4.52	3.91	3.41	2.95	2.55	2.24	1.97	
-1.0	10.00	7.97	6.29	5.18	4.41	3.80	3.26	2.81	2.44	2.17	-	
-2.0	10.00	7.91	6.21	5.11	4.28	3.62	3.10	2.72	2.40	2.14	-	
-3.0	10.00	7.86	6.11	4.97	4.12	3.54	3.03	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	

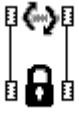



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	33 of 58

RATED LIFT CAPACITY CHART

RIS 1530

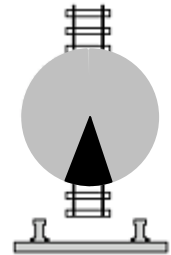
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

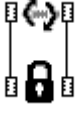

Duty	Config	Sector	Osc Axle	Safety
2fR	RAIL	+/- 20° Over Rear		67%
				
	0 - 50mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	
7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	-	
6.0	-	-	5.16a	5.40a	5.53b	4.72b	3.19a	2.81a	2.86a	-	-	
5.0	-	6.26a	6.35a	6.36a	5.44b	4.68b	4.08b	3.28a	2.36a	2.15a	-	
4.0	-	9.38b	7.53b	6.25b	5.32b	4.61b	4.04b	2.79a	2.93a	2.73a	2.83	
3.0	-	9.07b	7.31b	6.10b	5.22b	4.54b	4.01b	3.30a	3.33a	2.24a	2.79	
2.0	5.12a	5.13a	5.33a	5.86a	5.17b	4.52b	4.24	3.47a	2.65a	3.02	2.64a	
1.0	3.87a	4.06a	4.22a	4.48a	5.03a	4.68	4.10	3.05a	3.27	2.95	2.69	
0.0	3.89a	3.83a	3.86a	4.20a	5.36	4.60	4.03	3.58	3.22	2.91	2.65	
-1.0	4.36a	4.19a	4.46a	6.20a	5.36	4.59	4.01	3.56	3.19	2.90	-	
-2.0	7.42a	7.72a	7.61b	6.26b	5.40	4.62	4.03	3.58	3.21	2.94	-	
-3.0	10.00	9.86b	7.83b	6.46b	5.49b	4.73	4.14	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	

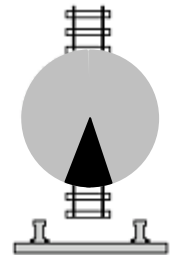


Duty	Config	Sector	Osc Axle	Safety
2fR	RAIL	+/- 20° Over Rear		67%
				
	0 - 50mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	
7.0	-	-	-	5.46a	5.42a	5.17a	4.30a	-	-	-	-	
6.0	-	-	5.19a	5.49a	5.58a	5.57r	4.89	4.21	3.64	-	-	
5.0	-	6.50a	6.60a	6.61a	6.47a	5.65	4.89	4.26	3.70	3.22	-	
4.0	-	9.93b	9.53r	7.78	6.50b	5.56b	4.85	4.28	3.70	3.24	2.84	
3.0	-	10.00	9.42b	7.64	6.40	5.49	4.81	4.25	3.68	3.22	2.83	
2.0	7.65a	10.00	9.35	7.59	6.36	5.47	4.80	4.19	3.63	3.18	2.79	
1.0	6.79a	10.00	9.38b	7.60	6.37	5.47	4.74	4.09	3.55	3.11	2.75	
0.0	8.88a	10.00	9.21	7.44	6.20	5.31	4.59	3.94	3.45	3.04	2.70	
-1.0	10.00	10.00	9.02	7.25	6.07	5.18	4.43	3.83	3.34	2.97	-	
-2.0	10.00	10.00	8.92	7.18	5.93	4.98	4.26	3.73	3.29	2.94	-	
-3.0	10.00	10.00	8.81	7.02	5.75	4.90	4.19	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	

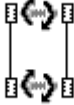



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	34 of 58

RATED LIFT CAPACITY CHART

RIS 1530

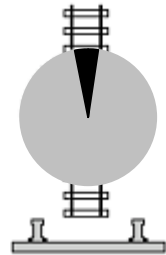
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

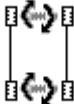

Duty	Config	Sector	Osc Axle	Safety
3aU	RAIL	+/- 10° Over Front		67%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	-	-
6.0	-	-	5.16a	5.40a	5.53b	4.72b	3.19a	2.81a	2.86a	-	-	-
5.0	-	6.26a	6.35a	6.36a	5.44b	4.68b	4.08b	3.28a	2.36a	2.15a	-	-
4.0	-	9.38b	7.53b	6.25b	5.32b	4.61b	4.04b	2.79a	2.93a	2.73a	2.80	-
3.0	-	9.07b	7.31b	6.10b	5.22b	4.54b	4.01b	3.30a	3.33a	2.24a	2.76	-
2.0	5.12a	5.13a	5.33a	5.86a	5.17b	4.52b	4.19	3.47a	2.65a	2.99	2.64a	-
1.0	3.87a	4.06a	4.22a	4.48a	5.03a	4.63	4.06	3.05a	3.24	2.92	2.66	-
0.0	3.89a	3.83a	3.86a	4.20a	5.30	4.55	3.99	3.55	3.18	2.88	2.63	-
-1.0	4.36a	4.19a	4.46a	6.20a	5.30	4.54	3.97	3.52	3.16	2.87	-	-
-2.0	7.42a	7.72a	7.61b	6.26b	5.34	4.57	3.98	3.54	3.18	2.91	-	-
-3.0	10.00	9.86b	7.83b	6.46b	5.48	4.68	4.10	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

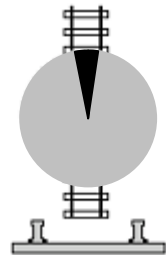


Duty	Config	Sector	Osc Axle	Safety
3aU	RAIL	+/- 10° Over Front		67%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.46a	5.42a	5.17a	4.30a	-	-	-	-	-
6.0	-	-	5.19a	5.49a	5.58a	5.57r	4.86	4.17	3.60	-	-	-
5.0	-	6.50a	6.60a	6.61a	6.47a	5.60	4.86	4.22	3.66	3.19	-	-
4.0	-	9.93b	9.50	7.73b	6.46	5.52	4.81	4.24	3.67	3.21	2.81	-
3.0	-	10.00	9.36	7.58	6.36	5.46	4.77b	4.21	3.65	3.19	2.81	-
2.0	7.65a	10.00	9.29	7.52	6.32	5.43	4.76b	4.16	3.60	3.14	2.77	-
1.0	6.79a	10.00	9.33	7.54	6.34	5.42	4.69	4.05	3.52	3.08	2.72	-
0.0	8.88a	10.00	9.13	7.37	6.14	5.26	4.55	3.91	3.42	3.01	2.67	-
-1.0	10.00	10.00	8.93	7.19	6.01	5.13	4.39	3.79	3.31	2.94	-	-
-2.0	10.00	10.00	8.84	7.11	5.88	4.94	4.22	3.69	3.26	2.91	-	-
-3.0	10.00	10.00	8.72	6.95	5.70	4.85	4.15	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

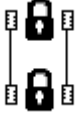



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
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RATED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

RIS 1530

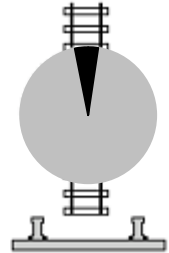
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

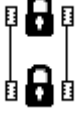

Duty	Config	Sector	Osc Axle	Safety
3aB	RAIL	+/- 10° Over Front		90%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	
7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	-	
6.0	-	-	5.16a	5.40a	5.53b	4.72b	3.19a	2.81a	2.86a	-	-	
5.0	-	6.26a	6.35a	6.36a	5.44b	4.68b	4.08b	3.28a	2.36a	2.15a	-	
4.0	-	9.38b	7.53b	6.25b	5.32b	4.61b	4.04b	2.79a	2.93a	2.73a	2.94a	
3.0	-	9.07b	7.31b	6.10b	5.22b	4.54b	4.01b	3.30a	3.33a	2.24a	2.94a	
2.0	5.12a	5.13a	5.33a	5.86a	5.17b	4.52b	4.44b	3.47a	2.65a	3.68a	2.64a	
1.0	3.87a	4.06a	4.22a	4.48a	5.03a	5.61r	5.18r	3.05a	3.98a	3.50a	3.17a	
0.0	3.89a	3.83a	3.86a	4.20a	6.54a	6.59r	5.69a	3.71a	3.98a	3.15a	3.40a	
-1.0	4.36a	4.19a	4.46a	6.20a	7.01b	6.56b	4.75a	4.87a	4.67	3.46a	-	
-2.0	7.42a	7.72a	7.61b	6.26b	5.68b	5.39b	4.90b	4.52b	3.90b	3.08b	-	
-3.0	10.00	9.86b	7.83b	6.46b	5.49b	4.78b	4.25b	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	

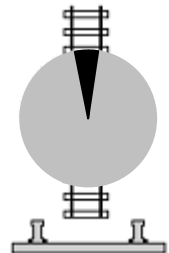


Duty	Config	Sector	Osc Axle	Safety
3aB	RAIL	+/- 10° Over Front		90%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	
7.0	-	-	-	5.46a	5.42a	5.17a	4.30a	-	-	-	-	
6.0	-	-	5.19a	5.49a	5.58a	5.57r	5.28r	4.81r	3.87a	-	-	
5.0	-	6.50a	6.60a	6.61a	6.47a	5.93b	5.49r	5.16r	4.76r	4.15r	-	
4.0	-	9.93b	9.53r	8.10r	7.06r	6.34r	5.79r	5.36b	5.04b	4.60r	3.90a	
3.0	-	10.00	10.00	9.63b	8.17r	7.00r	6.25r	5.69r	5.19	4.64	4.08	
2.0	7.65a	10.00	10.00	9.77b	8.35	7.25b	6.40	5.72	5.19	4.58	4.03	
1.0	6.79a	10.00	10.00	9.87b	8.37	7.26b	6.41b	5.76	5.09	4.51	3.97	
0.0	8.88a	10.00	10.00	9.99b	8.46	7.36b	6.52	5.65	4.98	4.41	3.89	
-1.0	10.00	10.00	10.00	10.00	8.53	7.34	6.30	5.49	4.86	4.31	-	
-2.0	10.00	10.00	10.00	9.98	8.36	7.10	6.12	5.39	4.54b	3.08b	-	
-3.0	10.00	10.00	10.00	9.77	7.89b	6.42b	4.73b	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	

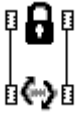



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
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RATED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

RIS 1530

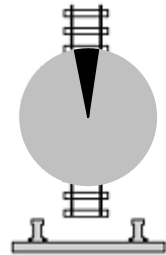
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

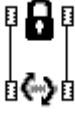

Duty	Config	Sector	Osc Axle	Safety
3aF	RAIL	+/- 10° Over Front		67%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	
7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	-	
6.0	-	-	5.16a	5.40a	5.53b	4.72b	3.19a	2.81a	2.86a	-	-	
5.0	-	6.26a	6.35a	6.36a	5.44b	4.68b	4.08b	3.28a	2.36a	2.15a	-	
4.0	-	9.38b	7.53b	6.25b	5.32b	4.61b	4.04b	2.79a	2.93a	2.73a	2.94a	
3.0	-	9.07b	7.31b	6.10b	5.22b	4.54b	4.01b	3.30a	3.33a	2.24a	2.94a	
2.0	5.12a	5.13a	5.33a	5.86a	5.17b	4.52b	4.44b	3.47a	2.65a	3.68a	2.64a	
1.0	3.87a	4.06a	4.22a	4.48a	5.03a	5.61r	5.06	3.05a	3.98a	3.50a	3.17a	
0.0	3.89a	3.83a	3.86a	4.20a	6.54a	5.69	4.99	3.71a	3.98a	3.15a	3.30	
-1.0	4.36a	4.19a	4.46a	6.20a	6.62	5.68	4.75a	4.41	3.96	3.46a	-	
-2.0	7.42a	7.72a	7.61b	6.26b	5.68b	5.39b	4.90b	4.43	3.90b	3.08b	-	
-3.0	10.00	9.86b	7.83b	6.46b	5.49b	4.78b	4.25b	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	

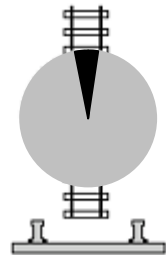


Duty	Config	Sector	Osc Axle	Safety
3aF	RAIL	+/- 10° Over Front		67%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	
7.0	-	-	-	5.46a	5.42a	5.17a	4.30a	-	-	-	-	
6.0	-	-	5.19a	5.49a	5.58a	5.57r	5.28r	4.81r	3.87a	-	-	
5.0	-	6.50a	6.60a	6.61a	6.47a	5.93b	5.49r	5.07	4.44	3.91	-	
4.0	-	9.93b	9.53r	8.10r	7.06r	6.34r	5.68	5.03	4.46a	3.93	3.48	
3.0	-	10.00	10.00	8.89b	7.48b	6.43	5.63	5.00	4.44	3.91	3.47	
2.0	7.65a	10.00	10.00	8.83	7.42b	6.39	5.61	5.00	4.39	3.86	3.44	
1.0	6.79a	10.00	10.00	8.85	7.44b	6.41	5.64	4.92	4.30	3.80	3.38	
0.0	8.88a	10.00	10.00	8.92r	7.46	6.39	5.55	4.80	4.20	3.72	3.34	
-1.0	10.00	10.00	10.00	8.76	7.33	6.27	5.36	4.68	4.11	3.65	-	
-2.0	10.00	10.00	10.00	8.69	7.20	6.07	5.22	4.58	4.06	3.08b	-	
-3.0	10.00	10.00	10.00	8.52	7.02	5.99	4.73b	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	

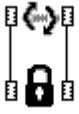



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	37 of 58

RATED LIFT CAPACITY CHART

RIS 1530

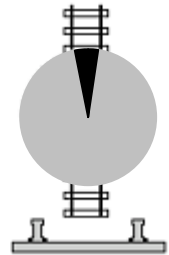
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

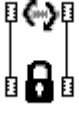

Duty	Config	Sector	Osc Axle	Safety
3aR	RAIL	+/- 10° Over Front		67%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	-	-
6.0	-	-	5.16a	5.40a	5.53b	4.72b	3.19a	2.81a	2.86a	-	-	-
5.0	-	6.26a	6.35a	6.36a	5.44b	4.68b	4.08b	3.28a	2.36a	2.15a	-	-
4.0	-	9.38b	7.53b	6.25b	5.32b	4.59	3.99	2.79a	2.93a	2.73a	2.48	-
3.0	-	9.07b	7.31b	6.10b	5.03	4.36	3.82	3.30a	3.02	2.24a	2.44	-
2.0	5.12a	5.13a	5.33a	5.83	4.78	4.14	3.66	3.25	2.65a	2.64	2.39	-
1.0	3.87a	4.06a	4.22a	4.48a	4.59	4.00	3.53	3.05a	2.84	2.57	2.34	-
0.0	3.89a	3.83a	3.86a	4.20a	4.54	3.93	3.47	3.09	2.79	2.53	2.31	-
-1.0	4.36a	4.19a	4.46a	5.40	4.54	3.92	3.44	3.07	2.76	2.51	-	-
-2.0	7.42a	7.72a	6.77	5.46	4.58	3.94	3.46	3.09	2.78	2.55	-	-
-3.0	10.00	9.02	6.94	5.61	4.70	4.05	3.57	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

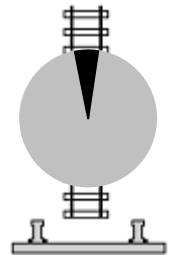


Duty	Config	Sector	Osc Axle	Safety
3aR	RAIL	+/- 10° Over Front		67%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.46a	5.42a	4.94	4.20	-	-	-	-	-
6.0	-	-	5.19a	5.49a	5.58a	5.03	4.31	3.70	3.19	-	-	-
5.0	-	6.50a	6.60a	6.61a	5.82	4.99b	4.34	3.76	3.25	2.83	-	-
4.0	-	9.93b	8.30	6.78	5.72	4.92	4.31b	3.76	3.26	2.84	2.49	-
3.0	-	10.00	8.12	6.67	5.64	4.87	4.27	3.74	3.25	2.83	2.48	-
2.0	7.65a	10.00	8.06	6.61	5.60	4.85	4.26	3.68	3.19	2.78	2.46	-
1.0	6.79a	10.00	8.01	6.57	5.52	4.75	4.14	3.58	3.11	2.72	2.41	-
0.0	8.88a	9.82	7.70	6.32	5.33	4.60	4.00	3.47	3.01	2.66	2.35	-
-1.0	10.00	9.63	7.52	6.15	5.21	4.47	3.85	3.33	2.91	2.59	-	-
-2.0	10.00	9.57	7.43	6.08	5.08	4.29	3.68	3.23	2.86	2.55	-	-
-3.0	10.00	9.52	7.33	5.93	4.91	4.21	3.62	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

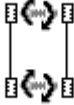



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	38 of 58

RATED LIFT CAPACITY CHART

RIS 1530

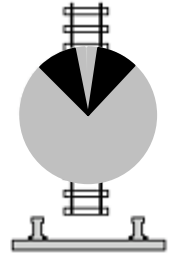
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

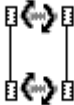

Duty	Config	Sector	Osc Axle	Safety
3bU	RAIL	+/- 10° - +/- 45° Over Front		67%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	4.60	3.67	2.66a	2.46	-	-	-	-	-
6.0	-	-	5.16a	4.53	3.63	2.98	2.48	2.09	1.76	-	-	-
5.0	-	6.26a	5.47	4.26	3.46	2.85	2.40	2.04	1.75	1.49	-	-
4.0	-	7.12	5.02	3.81	3.14	2.64	2.25	1.94	1.68	1.46	1.26	-
3.0	-	6.70	4.71	3.52	2.79	2.40	2.07	1.80	1.58	1.38	1.22	-
2.0	5.12a	5.13a	4.29	3.22	2.52	2.16	1.90	1.67	1.48	1.31	1.16	-
1.0	3.87a	4.06a	3.88	2.94	2.32	2.01	1.76	1.56	1.39	1.24	1.12	-
0.0	3.89a	3.83a	3.61	2.77	2.27	1.94	1.70	1.50	1.34	1.20	1.08	-
-1.0	4.36a	4.19a	3.54	2.76	2.26	1.92	1.67	1.47	1.31	1.18	-	-
-2.0	7.42a	4.96	3.63	2.83	2.31	1.95	1.69	1.49	1.33	1.23	-	-
-3.0	7.82	5.18	3.81	2.99	2.44	2.07	1.81	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

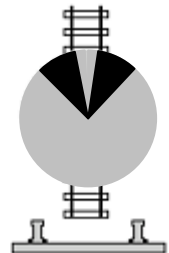


Duty	Config	Sector	Osc Axle	Safety
3bU	RAIL	+/- 10° - +/- 45° Over Front		67%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	4.46	-	-	-	-	-	-	-	-
7.0	-	-	-	4.64	3.74	3.03	2.46	-	-	-	-	-
6.0	-	-	5.19a	4.61	3.75	3.12	2.59	2.13	1.76	-	-	-
5.0	-	6.50a	5.68	4.49	3.68	3.09	2.64	2.20	1.82	1.51	-	-
4.0	-	7.23	5.45	4.34	3.59	3.03	2.61	2.22	1.84	1.53	1.27	-
3.0	-	6.95	5.27	4.22	3.50	2.98	2.59	2.19	1.82	1.52	1.26	-
2.0	7.65a	6.85	5.19	4.16	3.46	2.96	2.53	2.13	1.77	1.46	1.23	-
1.0	6.79a	6.49	4.99	4.02	3.32	2.80	2.40	2.03	1.67	1.40	1.18	-
0.0	8.73	6.08	4.65	3.75	3.11	2.64	2.25	1.89	1.57	1.33	1.13	-
-1.0	8.53	5.87	4.45	3.57	2.98	2.52	2.10	1.74	1.46	1.26	-	-
-2.0	8.49	5.80	4.36	3.49	2.84	2.32	1.92	1.64	1.41	1.23	-	-
-3.0	8.63	5.74	4.24	3.33	2.66	2.24	1.85	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

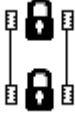



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	39 of 58

RATED LIFT CAPACITY CHART

RIS 1530

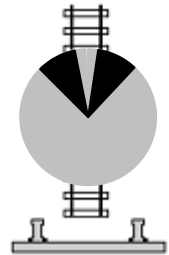
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

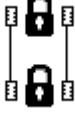

Duty	Config	Sector	Osc Axle	Safety
3bB	RAIL	+/- 10° - +/- 45° Over Front		90%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.45a	4.45	2.66a	2.92	-	-	-	-	-
6.0	-	-	5.16a	5.37	4.39	3.59	2.95	2.44	1.99	-	-	-
5.0	-	6.26a	6.29	5.06	4.16	3.41	2.84	2.37	1.98	1.64	-	-
4.0	-	7.80	5.78	4.53	3.75	3.13	2.63	2.22	1.88	1.58	1.31	-
3.0	-	7.34	5.43	4.16	3.27	2.80	2.39	2.04	1.74	1.48	1.25	-
2.0	5.12a	5.13a	4.95	3.77	2.93	2.48	2.15	1.85	1.61	1.38	1.18	-
1.0	3.87a	4.06a	4.22a	3.41	2.66	2.28	1.97	1.71	1.48	1.28	1.11	-
0.0	3.89a	3.83a	3.86a	3.18	2.59	2.18	1.88	1.62	1.41	1.23	1.07	-
-1.0	4.36a	4.19a	4.06	3.18	2.58	2.16	1.84	1.59	1.37	1.20	-	-
-2.0	7.42a	5.47	4.17	3.26	2.64	2.20	1.87	1.61	1.40	1.26	-	-
-3.0	7.90	5.71	4.41	3.47	2.82	2.36	2.03	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

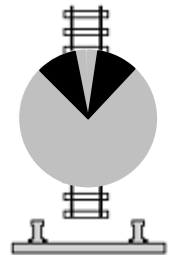


Duty	Config	Sector	Osc Axle	Safety
3bB	RAIL	+/- 10° - +/- 45° Over Front		90%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.46a	4.53	3.64	2.92	-	-	-	-	-
6.0	-	-	5.19a	5.46	4.54	3.78	3.09	2.49	1.99	-	-	-
5.0	-	6.50a	6.43	5.32	4.46	3.73	3.16	2.58	2.08	1.66	-	-
4.0	-	7.91	6.26	5.15	4.33	3.66	3.13	2.61	2.11	1.69	1.33	-
3.0	-	7.61	6.06	5.01	4.22	3.59	3.09	2.57	2.07	1.67	1.32	-
2.0	7.65a	7.50	5.97	4.94	4.17	3.56	3.01	2.48	2.01	1.59	1.28	-
1.0	6.79a	7.12	5.74	4.77	3.98	3.34	2.83	2.35	1.87	1.51	1.20	-
0.0	8.80	6.68	5.36	4.46	3.70	3.13	2.63	2.16	1.73	1.41	1.13	-
-1.0	8.59	6.45	5.14	4.22	3.53	2.96	2.42	1.96	1.58	1.31	-	-
-2.0	8.55	6.37	5.03	4.12	3.35	2.70	2.19	1.82	1.51	1.26	-	-
-3.0	8.69	6.32	4.90	3.91	3.11	2.58	2.09	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

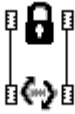



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	40 of 58

RATED LIFT CAPACITY CHART

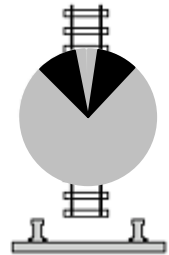
RIS 1530

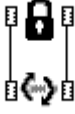

Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

Duty	Config	Sector	Osc Axle	Safety
3bF	RAIL	+/- 10° - +/- 45° Over Front		67%
	 50 - 150mm			

RADIUS

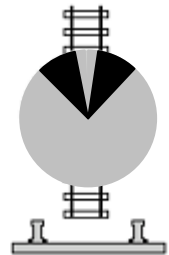
MINIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
		8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
		7.0	-	-	-	5.08	4.07	2.66a	2.76	-	-	-	-	-
		6.0	-	-	5.16a	5.00	4.03	3.32	2.78	2.36	2.00	-	-	-
		5.0	-	6.26a	6.06	4.73	3.85	3.19	2.70	2.31	1.99	1.71	-	-
		4.0	-	7.89	5.60	4.28	3.54	2.98	2.55	2.20	1.92	1.68	1.46	-
		3.0	-	7.47	5.29	3.99	3.18	2.74	2.37	2.07	1.82	1.60	1.42	-
		2.0	5.12a	5.13a	4.87	3.69	2.92	2.50	2.20	1.93	1.72	1.53	1.37	-
		1.0	3.87a	4.06a	4.22a	3.41	2.71	2.35	2.06	1.83	1.63	1.46	1.32	-
		0.0	3.89a	3.83a	3.86a	3.24	2.66	2.28	1.99	1.77	1.58	1.42	1.28	-
		-1.0	4.36a	4.19a	4.12	3.23	2.66	2.26	1.97	1.74	1.55	1.40	-	-
		-2.0	7.42a	5.72	4.21	3.30	2.70	2.29	1.99	1.76	1.57	1.45	-	-
		-3.0	8.94	5.94	4.40	3.46	2.84	2.41	2.11	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
3bF	RAIL	+/- 10° - +/- 45° Over Front		67%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
		8.0	-	-	5.73a	4.93	-	-	-	-	-	-	-	-
		7.0	-	-	-	5.12	4.14	3.37	2.76	-	-	-	-	-
		6.0	-	-	5.19a	5.08	4.15	3.46	2.89	2.40	2.00	-	-	-
		5.0	-	6.50a	6.26	4.96	4.08	3.43	2.94	2.46	2.06	1.73	-	-
		4.0	-	7.99	6.03	4.81	3.98	3.37	2.91	2.48	2.08	1.75	1.47	-
		3.0	-	7.72	5.85	4.69	3.90	3.32	2.89	2.46	2.06	1.74	1.46	-
		2.0	7.65a	7.61	5.77	4.63	3.86	3.30	2.83	2.39	2.01	1.68	1.44	-
		1.0	6.79a	7.25	5.57	4.49	3.71	3.14	2.70	2.29	1.91	1.62	1.38	-
		0.0	8.88a	6.85	5.23	4.22	3.50	2.98	2.55	2.15	1.81	1.55	1.33	-
		-1.0	9.64	6.63	5.03	4.04	3.37	2.86	2.39	2.01	1.70	1.48	-	-
		-2.0	9.60	6.56	4.94	3.96	3.24	2.66	2.22	1.91	1.65	1.45	-	-
		-3.0	9.74	6.51	4.83	3.80	3.05	2.58	2.15	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-

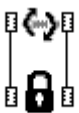



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	41 of 58

RATED LIFT CAPACITY CHART

RIS 1530

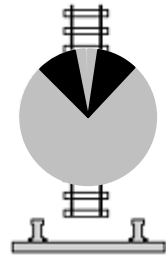
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

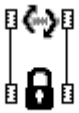

Duty	Config	Sector	Osc Axle	Safety
3bR	RAIL	+/- 10° - +/- 45° Over Front		67%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.24	3.62a	-	-	-	-	-	-	-	
7.0	-	-	-	4.12	3.27	2.65	2.16	-	-	-	-	
6.0	-	-	5.16a	4.05	3.23	2.64	2.18	1.82	1.51	-	-	
5.0	-	6.26a	4.88	3.78	3.05	2.50	2.10	1.77	1.50	1.27	-	
4.0	-	6.34	4.43	3.33	2.74	2.30	1.94	1.67	1.43	1.23	1.05	
3.0	-	5.92	4.12	3.04	2.38	2.05	1.77	1.53	1.33	1.16	1.01	
2.0	5.12a	5.13a	3.69	2.74	2.12	1.81	1.59	1.40	1.23	1.09	0.93	
1.0	3.87a	4.06a	3.29	2.46	1.92	1.67	1.46	1.29	1.15	1.02	0.86	
0.0	3.89a	3.83a	3.01	2.29	1.86	1.59	1.39	1.23	1.09	0.96	0.81	
-1.0	4.36a	4.11	2.94	2.28	1.86	1.58	1.37	1.20	1.07	0.93	-	
-2.0	6.40	4.18	3.03	2.35	1.90	1.61	1.38	1.22	1.09	1.00	-	
-3.0	6.69	4.40	3.22	2.51	2.04	1.72	1.50	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	

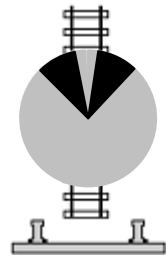


Duty	Config	Sector	Osc Axle	Safety
3bR	RAIL	+/- 10° - +/- 45° Over Front		67%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.25	3.98	-	-	-	-	-	-	-	
7.0	-	-	-	4.16	3.34	2.68	2.16	-	-	-	-	
6.0	-	-	5.19a	4.13	3.35	2.78	2.28	1.86	1.51	-	-	
5.0	-	6.50a	5.09	4.01	3.28	2.75	2.33	1.92	1.58	1.29	-	
4.0	-	6.45	4.86	3.86	3.18	2.69	2.31	1.95	1.60	1.31	1.06	
3.0	-	6.17	4.67	3.74	3.10	2.64	2.29	1.92	1.57	1.30	1.06	
2.0	7.65a	6.07	4.59	3.68	3.06	2.62	2.23	1.85	1.53	1.24	1.03	
1.0	6.79a	5.71	4.39	3.54	2.91	2.46	2.09	1.76	1.43	1.18	0.96	
0.0	7.60	5.30	4.05	3.27	2.70	2.30	1.95	1.62	1.33	1.11	0.87	
-1.0	7.39	5.09	3.86	3.09	2.57	2.17	1.79	1.47	1.22	1.04	-	
-2.0	7.35	5.02	3.76	3.01	2.44	1.97	1.62	1.37	1.17	1.00	-	
-3.0	7.50	4.96	3.65	2.85	2.26	1.89	1.55	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	

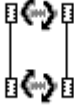



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	42 of 58

RATED LIFT CAPACITY CHART

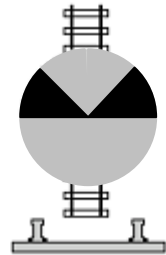
RIS 1530

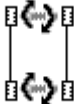

Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

Duty	Config	Sector	Osc Axle	Safety
3cU	RAIL	+/- 45° - +/- 90°		67%
	 50 - 150mm			

RADIUS

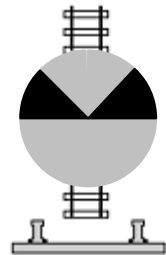
MINIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
		8.0	-	-	4.85	3.62a	-	-	-	-	-	-	-	-
		7.0	-	-	-	3.81	3.00	2.42	1.96	-	-	-	-	-
		6.0	-	-	4.87	3.73	2.96	2.41	1.98	1.64	1.35	-	-	-
		5.0	-	6.14	4.49	3.46	2.79	2.27	1.90	1.59	1.34	1.12	-	-
		4.0	-	5.83	4.03	3.01	2.47	2.07	1.74	1.49	1.27	1.09	0.87	-
		3.0	-	5.41	3.73	2.73	2.12	1.82	1.57	1.35	1.17	1.01	0.81	-
		2.0	5.12a	4.78	3.30	2.42	1.85	1.58	1.39	1.22	1.07	0.90	0.73	-
		1.0	3.87a	4.06a	2.89	2.14	1.65	1.44	1.26	1.11	0.97	0.80	0.66	-
		0.0	3.89a	3.71	2.62	1.97	1.60	1.36	1.19	1.05	0.89	0.74	0.61	-
		-1.0	4.36a	3.59	2.55	1.96	1.60	1.35	1.16	1.02	0.85	0.72	-	-
		-2.0	5.65	3.66	2.64	2.03	1.64	1.38	1.18	1.04	0.89	0.78	-	-
		-3.0	5.94	3.88	2.83	2.19	1.78	1.49	1.30	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
3cU	RAIL	+/- 45° - +/- 90°		67%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
		8.0	-	-	4.86	3.67	-	-	-	-	-	-	-	-
		7.0	-	-	-	3.85	3.07	2.45	1.96	-	-	-	-	-
		6.0	-	-	4.88	3.81	3.08	2.55	2.08	1.68	1.35	-	-	-
		5.0	-	6.29	4.69	3.69	3.01	2.52	2.13	1.75	1.42	1.14	-	-
		4.0	-	5.93	4.46	3.55	2.92	2.46	2.11	1.77	1.43	1.16	0.89	-
		3.0	-	5.66	4.28	3.42	2.84	2.41	2.08	1.74	1.41	1.15	0.88	-
		2.0	7.65a	5.55	4.20	3.36	2.80	2.39	2.03	1.68	1.37	1.09	0.84	-
		1.0	6.79a	5.19	4.00	3.22	2.65	2.23	1.89	1.58	1.26	1.03	0.76	-
		0.0	6.85	4.79	3.66	2.95	2.44	2.07	1.75	1.44	1.17	0.94	0.67	-
		-1.0	6.64	4.57	3.46	2.77	2.31	1.94	1.59	1.29	1.05	0.83	-	-
		-2.0	6.61	4.50	3.37	2.70	2.17	1.74	1.42	1.19	1.00	0.78	-	-
		-3.0	6.75	4.45	3.26	2.53	1.99	1.66	1.35	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-

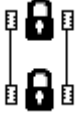



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	43 of 58

RATED LIFT CAPACITY CHART

RIS 1530

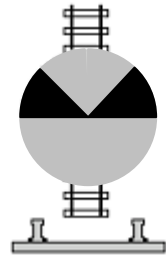
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

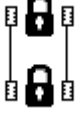

Duty	Config	Sector	Osc Axle	Safety
3cB	RAIL	+/- 45° - +/- 90°		90%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00
HEIGHT											
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-
7.0	-	-	-	5.41	4.26	2.66a	2.63	-	-	-	-
6.0	-	-	5.16a	5.31	4.20	3.33	2.66	2.13	1.68	-	-
5.0	-	6.26a	6.35a	4.95	3.93	3.13	2.54	2.06	1.67	1.33	-
4.0	-	8.30	5.78	4.32	3.47	2.82	2.31	1.90	1.56	1.27	1.01
3.0	-	7.74	5.37	3.89	2.93	2.45	2.04	1.70	1.41	1.16	0.95
2.0	5.12a	5.13a	4.80	3.45	2.54	2.10	1.79	1.50	1.27	1.06	0.87
1.0	3.87a	4.06a	4.22a	3.03	2.24	1.88	1.59	1.35	1.13	0.95	0.80
0.0	3.89a	3.83a	3.82	2.77	2.16	1.77	1.48	1.25	1.06	0.89	0.75
-1.0	4.36a	4.19a	3.71	2.76	2.16	1.75	1.45	1.21	1.02	0.87	-
-2.0	7.42a	5.40	3.85	2.85	2.22	1.79	1.47	1.24	1.05	0.93	-
-3.0	8.67	5.69	4.12	3.10	2.42	1.96	1.65	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-

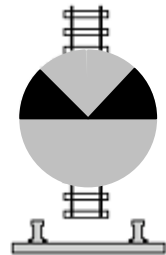


Duty	Config	Sector	Osc Axle	Safety
3cB	RAIL	+/- 45° - +/- 90°		90%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00
HEIGHT											
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-
7.0	-	-	-	5.45a	4.36	3.39	2.63	-	-	-	-
6.0	-	-	5.19a	5.41	4.37	3.54	2.82	2.20	1.68	-	-
5.0	-	6.50a	6.50a	5.26	4.27	3.49	2.89	2.29	1.78	1.35	-
4.0	-	8.45	6.36	5.06	4.13	3.41	2.85	2.32	1.81	1.39	1.03
3.0	-	8.07	6.12	4.89	4.01	3.33	2.82	2.28	1.77	1.37	1.02
2.0	7.65a	7.94	6.00	4.81	3.95	3.30	2.73	2.19	1.70	1.28	0.97
1.0	6.79a	7.45	5.74	4.62	3.73	3.06	2.53	2.04	1.55	1.19	0.90
0.0	8.88a	6.91	5.28	4.24	3.41	2.82	2.31	1.83	1.41	1.09	0.81
-1.0	9.62	6.62	5.02	3.96	3.22	2.63	2.08	1.62	1.24	0.98	-
-2.0	9.57	6.53	4.89	3.85	3.02	2.34	1.82	1.46	1.16	0.93	-
-3.0	9.76	6.45	4.74	3.60	2.75	2.21	1.72	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-

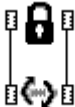



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	44 of 58

RATED LIFT CAPACITY CHART

RIS 1530

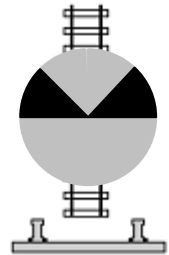
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

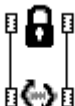

Duty	Config	Sector	Osc Axle	Safety
3cF	RAIL	+/- 45° - +/- 90°		67%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	4.44	3.53	2.66a	2.35	-	-	-	-	-
6.0	-	-	5.16a	4.36	3.49	2.86	2.38	2.00	1.67	-	-	-
5.0	-	6.26a	5.26	4.09	3.31	2.73	2.29	1.95	1.66	1.42	-	-
4.0	-	6.85	4.81	3.64	3.00	2.52	2.14	1.84	1.59	1.38	1.19	-
3.0	-	6.43	4.50	3.35	2.64	2.27	1.96	1.71	1.49	1.31	1.14	-
2.0	5.12a	5.13a	4.08	3.05	2.38	2.04	1.79	1.57	1.39	1.23	1.09	-
1.0	3.87a	4.06a	3.67	2.77	2.18	1.89	1.66	1.47	1.30	1.16	1.04	-
0.0	3.89a	3.83a	3.40	2.60	2.13	1.82	1.59	1.40	1.25	1.12	1.01	-
-1.0	4.36a	4.19a	3.33	2.59	2.12	1.80	1.56	1.38	1.23	1.11	-	-
-2.0	7.14	4.69	3.42	2.66	2.17	1.83	1.58	1.40	1.25	1.15	-	-
-3.0	7.42	4.91	3.60	2.82	2.30	1.95	1.70	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

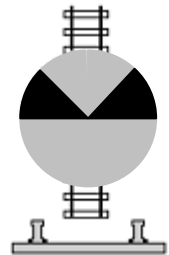


Duty	Config	Sector	Osc Axle	Safety
3cF	RAIL	+/- 45° - +/- 90°		67%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.63	4.29	-	-	-	-	-	-	-	-
7.0	-	-	-	4.48	3.60	2.90	2.36	-	-	-	-	-
6.0	-	-	5.19a	4.44	3.61	3.00	2.48	2.04	1.67	-	-	-
5.0	-	6.50a	5.47	4.32	3.54	2.97	2.53	2.10	1.74	1.43	-	-
4.0	-	6.95	5.24	4.18	3.44	2.91	2.51	2.12	1.76	1.45	1.20	-
3.0	-	6.68	5.06	4.05	3.36	2.86	2.48	2.10	1.73	1.44	1.19	-
2.0	7.65a	6.58	4.98	3.99	3.32	2.84	2.42	2.03	1.69	1.39	1.16	-
1.0	6.79a	6.22	4.78	3.85	3.18	2.68	2.29	1.93	1.58	1.32	1.11	-
0.0	8.34	5.81	4.44	3.58	2.97	2.52	2.15	1.79	1.49	1.25	1.05	-
-1.0	8.13	5.60	4.24	3.40	2.84	2.39	1.99	1.65	1.38	1.18	-	-
-2.0	8.09	5.52	4.15	3.32	2.70	2.20	1.82	1.55	1.32	1.15	-	-
-3.0	8.23	5.47	4.03	3.16	2.52	2.11	1.75	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

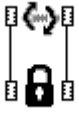



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	45 of 58

RATED LIFT CAPACITY CHART

RIS 1530

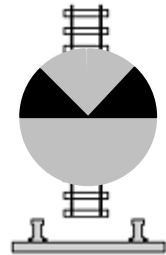
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

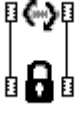

Duty	Config	Sector	Osc Axle	Safety
3cR	RAIL	+/- 45° - +/- 90°		67%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	4.57	3.41	-	-	-	-	-	-	-	
7.0	-	-	-	3.58	2.81	2.25	1.81	-	-	-	-	
6.0	-	-	4.58	3.50	2.77	2.24	1.83	1.51	1.23	-	-	
5.0	-	5.77	4.20	3.24	2.59	2.11	1.75	1.46	1.23	1.02	-	
4.0	-	5.45	3.75	2.78	2.28	1.90	1.60	1.36	1.15	0.96	0.73	
3.0	-	5.03	3.44	2.50	1.92	1.65	1.42	1.22	1.05	0.85	0.66	
2.0	5.12a	4.41	3.02	2.19	1.66	1.42	1.25	1.09	0.93	0.74	0.59	
1.0	3.87a	3.75	2.61	1.91	1.46	1.27	1.11	0.97	0.79	0.64	0.51	
0.0	3.89a	3.34	2.34	1.74	1.41	1.20	1.04	0.87	0.72	0.58	0.46	
-1.0	4.36a	3.22	2.27	1.73	1.40	1.18	1.02	0.83	0.68	0.56	-	
-2.0	5.11	3.29	2.36	1.80	1.45	1.21	1.04	0.86	0.71	0.62	-	
-3.0	5.40	3.51	2.54	1.96	1.58	1.33	1.16	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	

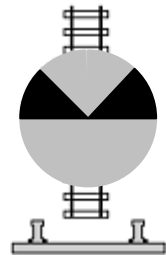


Duty	Config	Sector	Osc Axle	Safety
3cR	RAIL	+/- 45° - +/- 90°		67%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	4.58	3.44	-	-	-	-	-	-	-	
7.0	-	-	-	3.62	2.88	2.28	1.81	-	-	-	-	
6.0	-	-	4.60	3.58	2.89	2.38	1.94	1.55	1.24	-	-	
5.0	-	5.94	4.41	3.46	2.82	2.35	1.99	1.62	1.30	1.03	-	
4.0	-	5.56	4.18	3.32	2.72	2.29	1.96	1.64	1.32	1.06	0.74	
3.0	-	5.28	4.00	3.19	2.64	2.24	1.94	1.61	1.29	1.05	0.73	
2.0	7.60	5.18	3.91	3.13	2.60	2.22	1.88	1.55	1.25	0.97	0.69	
1.0	6.74	4.82	3.72	2.99	2.46	2.06	1.75	1.45	1.15	0.88	0.61	
0.0	6.31	4.41	3.38	2.72	2.25	1.90	1.60	1.31	1.05	0.78	0.53	
-1.0	6.10	4.20	3.18	2.54	2.12	1.77	1.44	1.16	0.90	0.67	-	
-2.0	6.06	4.13	3.08	2.47	1.98	1.58	1.27	1.06	0.82	0.62	-	
-3.0	6.20	4.08	2.97	2.30	1.80	1.49	1.20	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	

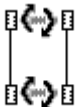



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	46 of 58

RATED LIFT CAPACITY CHART

RIS 1530

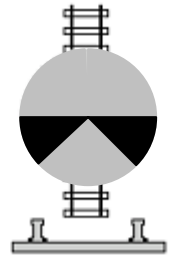
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

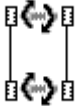

Duty	Config	Sector	Osc Axle	Safety
3dU	RAIL	+/- 90° - +/- 135°		67%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.06	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	4.05	3.26	2.66a	2.20	-	-	-	-	-
6.0	-	-	5.07	3.98	3.22	2.66	2.22	1.87	1.57	-	-	-
5.0	-	6.26	4.72	3.73	3.05	2.53	2.14	1.82	1.56	1.33	-	-
4.0	-	5.98	4.31	3.31	2.76	2.34	2.00	1.73	1.50	1.30	1.12	-
3.0	-	5.61	4.03	3.05	2.43	2.10	1.83	1.60	1.40	1.23	1.08	-
2.0	5.12a	5.05	3.64	2.77	2.18	1.88	1.66	1.47	1.30	1.16	1.03	-
1.0	3.87a	4.06a	3.27	2.51	1.99	1.74	1.54	1.37	1.22	1.09	0.96	-
0.0	3.89a	3.83a	3.02	2.34	1.94	1.67	1.47	1.31	1.17	1.05	0.92	-
-1.0	4.36a	4.00	2.96	2.34	1.94	1.66	1.45	1.28	1.14	1.03	-	-
-2.0	5.89	4.06	3.04	2.40	1.98	1.68	1.46	1.30	1.16	1.08	-	-
-3.0	6.13	4.25	3.21	2.55	2.10	1.79	1.58	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

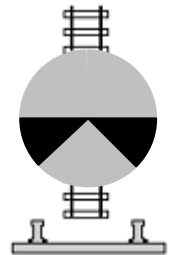


Duty	Config	Sector	Osc Axle	Safety
3dU	RAIL	+/- 90° - +/- 135°		67%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.06	3.92	-	-	-	-	-	-	-	-
7.0	-	-	-	4.09	3.32	2.70	2.20	-	-	-	-	-
6.0	-	-	5.08	4.05	3.33	2.79	2.32	1.91	1.57	-	-	-
5.0	-	6.34	4.91	3.94	3.27	2.76	2.37	1.97	1.64	1.35	-	-
4.0	-	6.07	4.70	3.81	3.18	2.71	2.35	1.99	1.65	1.37	1.13	-
3.0	-	5.83	4.54	3.69	3.10	2.66	2.32	1.97	1.63	1.36	1.12	-
2.0	7.65a	5.74	4.46	3.64	3.06	2.64	2.27	1.91	1.59	1.30	1.09	-
1.0	6.79a	5.42	4.28	3.50	2.92	2.49	2.14	1.81	1.49	1.25	1.04	-
0.0	6.90	5.05	3.97	3.26	2.73	2.34	2.00	1.68	1.39	1.18	0.98	-
-1.0	6.73	4.87	3.79	3.09	2.61	2.22	1.85	1.54	1.29	1.11	-	-
-2.0	6.70	4.80	3.70	3.02	2.48	2.03	1.69	1.44	1.24	1.08	-	-
-3.0	6.82	4.75	3.60	2.86	2.31	1.95	1.62	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

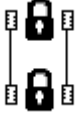



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	47 of 58

RATED LIFT CAPACITY CHART

RIS 1530

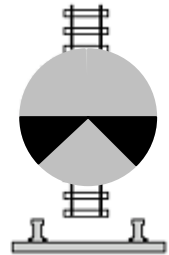
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

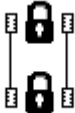

Duty	Config	Sector	Osc Axle	Safety
3dB	RAIL	+/- 90° - +/- 135°		90%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.42	4.35	2.66a	2.77	-	-	-	-	-
6.0	-	-	5.16a	5.33	4.29	3.46	2.81	2.29	1.83	-	-	-
5.0	-	6.26a	6.32	5.00	4.04	3.27	2.69	2.21	1.83	1.48	-	-
4.0	-	8.01	5.77	4.42	3.61	2.97	2.47	2.06	1.72	1.43	1.16	-
3.0	-	7.50	5.39	4.03	3.11	2.63	2.22	1.87	1.58	1.32	1.10	-
2.0	5.12a	5.13a	4.87	3.61	2.74	2.29	1.97	1.68	1.44	1.22	1.03	-
1.0	3.87a	4.06a	4.22a	3.22	2.45	2.08	1.78	1.53	1.31	1.12	0.96	-
0.0	3.89a	3.83a	3.86a	2.98	2.38	1.98	1.68	1.44	1.24	1.06	0.91	-
-1.0	4.36a	4.19a	3.89	2.97	2.37	1.96	1.65	1.40	1.20	1.04	-	-
-2.0	7.42a	5.42	4.01	3.06	2.43	2.00	1.67	1.43	1.23	1.10	-	-
-3.0	8.20	5.69	4.26	3.29	2.63	2.16	1.84	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

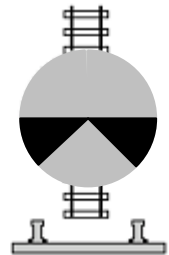


Duty	Config	Sector	Osc Axle	Safety
3dB	RAIL	+/- 90° - +/- 135°		90%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.46a	4.45	3.52	2.77	-	-	-	-	-
6.0	-	-	5.19a	5.43	4.46	3.66	2.95	2.35	1.84	-	-	-
5.0	-	6.50a	6.45	5.28	4.36	3.61	3.03	2.43	1.93	1.50	-	-
4.0	-	8.13	6.30	5.10	4.23	3.53	2.99	2.47	1.96	1.54	1.18	-
3.0	-	7.80	6.07	4.95	4.11	3.46	2.96	2.43	1.92	1.52	1.17	-
2.0	7.65a	7.68	5.97	4.87	4.06	3.43	2.87	2.33	1.86	1.44	1.13	-
1.0	6.79a	7.25	5.73	4.69	3.85	3.20	2.68	2.20	1.71	1.35	1.05	-
0.0	8.88a	6.77	5.31	4.34	3.56	2.98	2.47	1.99	1.57	1.25	0.97	-
-1.0	9.01	6.51	5.07	4.09	3.37	2.80	2.25	1.79	1.41	1.15	-	-
-2.0	8.96	6.43	4.95	3.99	3.18	2.52	2.01	1.64	1.34	1.10	-	-
-3.0	9.12	6.36	4.81	3.76	2.93	2.40	1.91	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

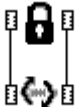



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	48 of 58

RATED LIFT CAPACITY CHART

RIS 1530

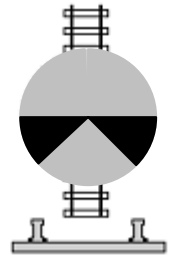
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

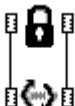

Duty	Config	Sector	Osc Axle	Safety
3dF	RAIL	+/- 90° - +/- 135°		67%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	4.30	3.28	-	-	-	-	-	-	-	-
7.0	-	-	-	3.43	2.73	2.21	1.80	-	-	-	-	-
6.0	-	-	4.32	3.36	2.70	2.21	1.82	1.51	1.24	-	-	-
5.0	-	5.30	3.97	3.11	2.53	2.08	1.74	1.46	1.24	1.04	-	-
4.0	-	5.02	3.56	2.69	2.24	1.88	1.59	1.36	1.17	0.99	0.76	-
3.0	-	4.64	3.28	2.43	1.90	1.65	1.43	1.24	1.07	0.89	0.70	-
2.0	5.12a	4.09	2.89	2.15	1.65	1.42	1.26	1.11	0.96	0.78	0.62	-
1.0	3.87a	3.51	2.52	1.89	1.46	1.29	1.13	1.00	0.83	0.68	0.55	-
0.0	3.89a	3.14	2.27	1.72	1.41	1.21	1.07	0.91	0.76	0.62	0.51	-
-1.0	4.36a	3.03	2.20	1.72	1.41	1.20	1.04	0.87	0.72	0.60	-	-
-2.0	4.56	3.10	2.29	1.78	1.45	1.23	1.06	0.90	0.75	0.66	-	-
-3.0	4.80	3.29	2.45	1.93	1.58	1.34	1.17	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

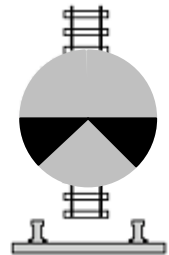


Duty	Config	Sector	Osc Axle	Safety
3dF	RAIL	+/- 90° - +/- 135°		67%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	4.31	3.30	-	-	-	-	-	-	-	-
7.0	-	-	-	3.47	2.80	2.25	1.80	-	-	-	-	-
6.0	-	-	4.33	3.44	2.81	2.34	1.92	1.55	1.25	-	-	-
5.0	-	5.45	4.16	3.33	2.74	2.31	1.97	1.61	1.31	1.05	-	-
4.0	-	5.11	3.95	3.19	2.65	2.25	1.94	1.63	1.33	1.07	0.78	-
3.0	-	4.87	3.78	3.08	2.58	2.20	1.92	1.61	1.30	1.06	0.77	-
2.0	6.67	4.78	3.71	3.02	2.54	2.19	1.86	1.55	1.26	1.00	0.72	-
1.0	5.94	4.46	3.53	2.89	2.40	2.03	1.74	1.45	1.16	0.91	0.65	-
0.0	5.57	4.09	3.22	2.64	2.20	1.88	1.60	1.32	1.07	0.81	0.57	-
-1.0	5.40	3.91	3.04	2.47	2.08	1.76	1.45	1.18	0.93	0.71	-	-
-2.0	5.37	3.84	2.95	2.40	1.95	1.58	1.28	1.08	0.86	0.66	-	-
-3.0	5.49	3.79	2.85	2.25	1.78	1.50	1.22	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	49 of 58

RATED LIFT CAPACITY CHART

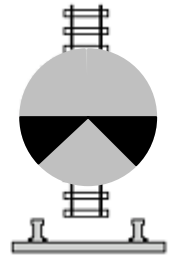
RIS 1530

Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

Duty	Config	Sector	Osc Axle	Safety
3dR	RAIL	+/- 90° - +/- 135°		67%
	50 - 150mm			

RADIUS

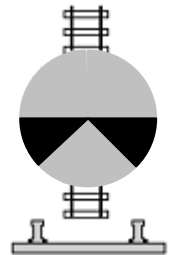
MINIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
		8.0	-	-	4.87	3.62a	-	-	-	-	-	-	-	-
		7.0	-	-	-	3.89	3.13	2.55	2.10	-	-	-	-	-
		6.0	-	-	4.88	3.82	3.09	2.55	2.12	1.78	1.49	-	-	-
		5.0	-	6.02	4.53	3.58	2.92	2.42	2.04	1.73	1.48	1.26	-	-
		4.0	-	5.74	4.12	3.15	2.63	2.22	1.89	1.63	1.41	1.22	1.05	-
		3.0	-	5.36	3.84	2.89	2.29	1.99	1.73	1.51	1.32	1.15	1.00	-
		2.0	5.12a	4.81	3.45	2.61	2.05	1.76	1.56	1.38	1.22	1.08	0.93	-
		1.0	3.87a	4.06a	3.08	2.35	1.86	1.63	1.43	1.28	1.14	1.01	0.86	-
		0.0	3.89a	3.83a	2.83	2.19	1.81	1.55	1.37	1.21	1.09	0.96	0.81	-
		-1.0	4.36a	3.75	2.77	2.18	1.80	1.54	1.34	1.19	1.06	0.93	-	-
		-2.0	5.55	3.81	2.85	2.24	1.84	1.57	1.36	1.21	1.08	0.99	-	-
		-3.0	5.80	4.01	3.02	2.39	1.97	1.68	1.47	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
3dR	RAIL	+/- 90° - +/- 135°		67%
	50 - 150mm			

RADIUS

MAXIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
		8.0	-	-	4.87	3.76	-	-	-	-	-	-	-	-
		7.0	-	-	-	3.93	3.19	2.59	2.10	-	-	-	-	-
		6.0	-	-	4.89	3.90	3.20	2.68	2.22	1.82	1.49	-	-	-
		5.0	-	6.17	4.72	3.79	3.13	2.65	2.27	1.88	1.55	1.27	-	-
		4.0	-	5.83	4.51	3.65	3.04	2.59	2.24	1.90	1.57	1.29	1.06	-
		3.0	-	5.58	4.35	3.54	2.97	2.54	2.22	1.88	1.55	1.29	1.05	-
		2.0	7.65a	5.49	4.27	3.48	2.93	2.53	2.16	1.81	1.50	1.23	1.03	-
		1.0	6.79a	5.17	4.09	3.35	2.79	2.37	2.04	1.72	1.41	1.17	0.95	-
		0.0	6.57	4.81	3.78	3.10	2.60	2.22	1.90	1.59	1.31	1.10	0.87	-
		-1.0	6.39	4.62	3.60	2.93	2.47	2.10	1.75	1.45	1.20	1.03	-	-
		-2.0	6.36	4.56	3.51	2.86	2.34	1.92	1.58	1.35	1.15	0.99	-	-
		-3.0	6.48	4.51	3.41	2.71	2.17	1.84	1.52	-	-	-	-	-
		-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	50 of 58

RATED LIFT CAPACITY CHART

RIS 1530

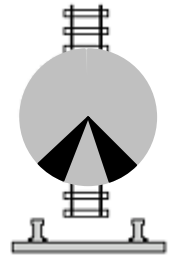
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

Duty	Config	Sector	Osc Axle	Safety
3eU	RAIL	+/- 135° - +/- 160° Over Rear		67%
	50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.25	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	4.28	3.50	2.66a	2.43	-	-	-	-	-
6.0	-	-	5.16a	4.21	3.46	2.90	2.45	2.10	1.78	-	-	-
5.0	-	6.26a	4.94	3.98	3.31	2.78	2.38	2.05	1.78	1.54	-	-
4.0	-	6.13	4.56	3.59	3.03	2.59	2.24	1.95	1.71	1.50	1.31	-
3.0	-	5.79	4.30	3.34	2.71	2.37	2.08	1.83	1.62	1.43	1.27	-
2.0	5.12a	5.13a	3.94	3.08	2.48	2.16	1.92	1.71	1.53	1.37	1.22	-
1.0	3.87a	4.06a	3.60	2.83	2.30	2.03	1.80	1.61	1.44	1.30	1.18	-
0.0	3.89a	3.83a	3.37	2.68	2.25	1.96	1.74	1.55	1.40	1.26	1.15	-
-1.0	4.36a	4.19a	3.32	2.68	2.25	1.95	1.71	1.53	1.37	1.25	-	-
-2.0	6.10	4.40	3.39	2.73	2.29	1.97	1.73	1.54	1.39	1.29	-	-
-3.0	6.31	4.57	3.54	2.87	2.41	2.08	1.84	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

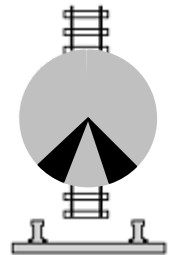


Duty	Config	Sector	Osc Axle	Safety
3eU	RAIL	+/- 135° - +/- 160° Over Rear		67%
	50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.25	4.15	-	-	-	-	-	-	-	-
7.0	-	-	-	4.31	3.56	2.94	2.43	-	-	-	-	-
6.0	-	-	5.19a	4.28	3.57	3.03	2.55	2.13	1.79	-	-	-
5.0	-	6.42a	5.12	4.18	3.51	3.00	2.60	2.19	1.85	1.55	-	-
4.0	-	6.21	4.92	4.05	3.42	2.95	2.57	2.21	1.86	1.57	1.32	-
3.0	-	5.99	4.77	3.94	3.35	2.90	2.55	2.19	1.84	1.56	1.32	-
2.0	7.65a	5.91	4.70	3.89	3.31	2.88	2.50	2.13	1.80	1.51	1.29	-
1.0	6.79a	5.62	4.53	3.77	3.18	2.74	2.38	2.04	1.70	1.45	1.24	-
0.0	6.98	5.29	4.25	3.54	3.00	2.59	2.24	1.91	1.61	1.39	1.19	-
-1.0	6.83	5.12	4.08	3.38	2.88	2.48	2.10	1.78	1.51	1.32	-	-
-2.0	6.80	5.07	4.00	3.31	2.76	2.30	1.94	1.68	1.46	1.29	-	-
-3.0	6.90	5.02	3.91	3.17	2.60	2.23	1.88	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

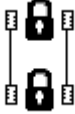



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
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RATED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

RIS 1530

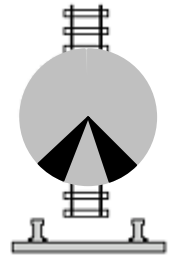
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

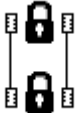

Duty	Config	Sector	Osc Axle	Safety
3eB	RAIL	+/- 135° - +/- 160° Over Rear		90%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.45a	4.87a	2.66a	3.28	-	-	-	-	-
6.0	-	-	5.16a	5.40a	4.82	3.99	3.19a	2.76	2.28	-	-	-
5.0	-	6.26a	6.35a	5.54	4.61	3.81	3.20	2.69	2.28	1.91	-	-
4.0	-	8.53	6.36	5.02	4.21	3.54	2.99	2.55	2.18	1.85	1.56	-
3.0	-	8.08	6.02	4.68	3.74	3.20	2.75	2.36	2.04	1.75	1.50	-
2.0	5.12a	5.13a	5.33a	4.32	3.39	2.88	2.51	2.18	1.90	1.65	1.43	-
1.0	3.87a	4.06a	4.22a	3.95	3.12	2.69	2.33	2.04	1.78	1.55	1.36	-
0.0	3.89a	3.83a	3.86a	3.73	3.05	2.59	2.24	1.95	1.71	1.50	1.32	-
-1.0	4.36a	4.19a	4.46a	3.72	3.05	2.57	2.20	1.91	1.67	1.47	-	-
-2.0	7.42a	6.20	4.79	3.80	3.11	2.61	2.23	1.94	1.70	1.53	-	-
-3.0	8.87	6.44	5.00	4.01	3.29	2.76	2.39	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

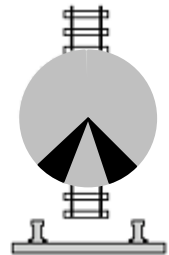


Duty	Config	Sector	Osc Axle	Safety
3eB	RAIL	+/- 135° - +/- 160° Over Rear		90%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.46a	4.95	4.05	3.28	-	-	-	-	-
6.0	-	-	5.19a	5.49a	4.96	4.18	3.45	2.82	2.29	-	-	-
5.0	-	6.50a	6.60a	5.81	4.88	4.14	3.52	2.90	2.37	1.93	-	-
4.0	-	8.64	6.85	5.64	4.77	4.06	3.49	2.92	2.40	1.96	1.58	-
3.0	-	8.34	6.64	5.50	4.67	3.99	3.45	2.90	2.37	1.94	1.57	-
2.0	7.65a	8.23	6.55	5.43	4.62	3.97	3.37	2.81	2.31	1.86	1.53	-
1.0	6.79a	7.85	6.33	5.26	4.44	3.75	3.19	2.67	2.17	1.78	1.45	-
0.0	8.88a	7.41	5.95	4.95	4.16	3.54	2.99	2.48	2.03	1.68	1.38	-
-1.0	9.57	7.18	5.72	4.74	3.99	3.36	2.78	2.28	1.88	1.58	-	-
-2.0	9.53	7.11	5.61	4.65	3.81	3.10	2.55	2.14	1.80	1.53	-	-
-3.0	9.67	7.05	5.49	4.45	3.57	2.99	2.45	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

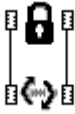



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
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RATED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

RIS 1530

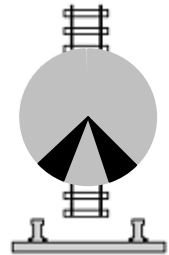
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

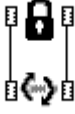

Duty	Config	Sector	Osc Axle	Safety
3eF	RAIL	+/- 135° - +/- 160° Over Rear		67%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	4.90	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	3.99	3.25	2.66a	2.24	-	-	-	-	-
6.0	-	-	4.92	3.92	3.22	2.68	2.26	1.92	1.63	-	-	-
5.0	-	5.95	4.60	3.69	3.06	2.56	2.19	1.88	1.62	1.39	-	-
4.0	-	5.70	4.22	3.30	2.78	2.38	2.05	1.78	1.56	1.36	1.18	-
3.0	-	5.36	3.96	3.05	2.47	2.16	1.89	1.66	1.46	1.29	1.14	-
2.0	5.12a	4.86	3.60	2.79	2.23	1.94	1.73	1.53	1.37	1.22	1.09	-
1.0	3.87a	4.06a	3.26	2.55	2.05	1.81	1.61	1.44	1.29	1.16	1.05	-
0.0	3.89a	3.83a	3.03	2.40	2.01	1.74	1.54	1.38	1.24	1.12	1.02	-
-1.0	4.36a	3.91	2.97	2.39	2.00	1.73	1.52	1.36	1.22	1.10	-	-
-2.0	5.52	3.97	3.05	2.45	2.04	1.76	1.54	1.37	1.24	1.14	-	-
-3.0	5.73	4.14	3.20	2.59	2.16	1.86	1.65	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

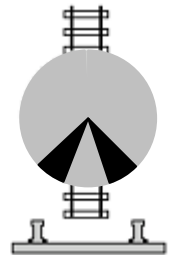


Duty	Config	Sector	Osc Axle	Safety
3eF	RAIL	+/- 135° - +/- 160° Over Rear		67%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	4.91	3.87	-	-	-	-	-	-	-	-
7.0	-	-	-	4.02	3.31	2.72	2.24	-	-	-	-	-
6.0	-	-	4.93	3.99	3.32	2.81	2.36	1.96	1.63	-	-	-
5.0	-	6.09	4.77	3.89	3.26	2.78	2.40	2.02	1.69	1.41	-	-
4.0	-	5.78	4.58	3.76	3.18	2.73	2.38	2.04	1.71	1.43	1.19	-
3.0	-	5.56	4.42	3.66	3.10	2.68	2.36	2.02	1.68	1.42	1.18	-
2.0	7.35	5.48	4.35	3.60	3.07	2.67	2.31	1.96	1.64	1.37	1.16	-
1.0	6.72	5.19	4.19	3.48	2.94	2.52	2.18	1.87	1.55	1.31	1.11	-
0.0	6.40	4.86	3.90	3.25	2.75	2.38	2.05	1.74	1.46	1.24	1.06	-
-1.0	6.25	4.69	3.74	3.09	2.64	2.26	1.91	1.60	1.35	1.18	-	-
-2.0	6.22	4.64	3.66	3.03	2.52	2.09	1.75	1.51	1.31	1.14	-	-
-3.0	6.33	4.59	3.56	2.88	2.36	2.01	1.69	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

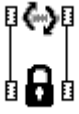



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
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RATED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

RIS 1530

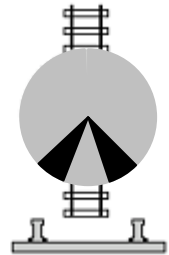
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

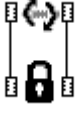

Duty	Config	Sector	Osc Axle	Safety
3eR	RAIL	+/- 135° - +/- 160° Over Rear		67%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.02	4.13	2.66a	2.93	-	-	-	-	-
6.0	-	-	5.16a	4.95	4.10	3.45	2.95	2.54	2.19	-	-	-
5.0	-	6.26a	5.83	4.72	3.94	3.33	2.87	2.49	2.18	1.91	-	-
4.0	-	7.24	5.45	4.33	3.66	3.15	2.73	2.40	2.12	1.87	1.66	-
3.0	-	6.90	5.19	4.08	3.35	2.93	2.57	2.27	2.02	1.80	1.61	-
2.0	5.12a	5.13a	4.83	3.82	3.11	2.71	2.41	2.15	1.93	1.74	1.57	-
1.0	3.87a	4.06a	4.22a	3.57	2.93	2.58	2.29	2.05	1.85	1.67	1.52	-
0.0	3.89a	3.83a	3.86a	3.42	2.89	2.51	2.23	1.99	1.80	1.63	1.49	-
-1.0	4.36a	4.19a	4.20	3.42	2.88	2.50	2.21	1.97	1.78	1.62	-	-
-2.0	7.42a	5.51	4.28	3.47	2.92	2.53	2.22	1.99	1.80	1.66	-	-
-3.0	7.79	5.68	4.43	3.61	3.04	2.63	2.33	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

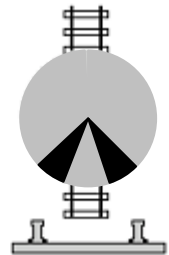


Duty	Config	Sector	Osc Axle	Safety
3eR	RAIL	+/- 135° - +/- 160° Over Rear		67%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	4.89	-	-	-	-	-	-	-	-
7.0	-	-	-	5.05	4.19	3.49	2.93	-	-	-	-	-
6.0	-	-	5.19a	5.02	4.20	3.58	3.04	2.58	2.19	-	-	-
5.0	-	6.50a	6.00	4.92	4.14	3.55	3.09	2.64	2.25	1.92	-	-
4.0	-	7.32	5.81	4.79	4.06	3.50	3.07	2.66	2.27	1.94	1.66	-
3.0	-	7.10	5.66	4.68	3.98	3.45	3.04	2.63	2.24	1.93	1.66	-
2.0	7.65a	7.02	5.59	4.63	3.95	3.44	2.99	2.57	2.20	1.88	1.63	-
1.0	6.79a	6.73	5.42	4.51	3.82	3.29	2.87	2.48	2.11	1.82	1.58	-
0.0	8.46	6.40	5.14	4.28	3.63	3.15	2.74	2.35	2.02	1.76	1.53	-
-1.0	8.31	6.23	4.97	4.12	3.52	3.03	2.59	2.22	1.91	1.69	-	-
-2.0	8.28	6.18	4.89	4.05	3.40	2.86	2.44	2.13	1.87	1.66	-	-
-3.0	8.38	6.13	4.79	3.91	3.24	2.78	2.37	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

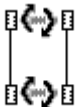



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	54 of 58

RATED LIFT CAPACITY CHART

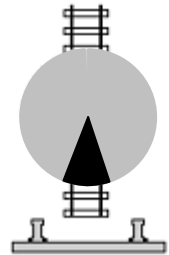
RIS 1530

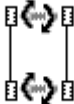

Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

Duty	Config	Sector	Osc Axle	Safety
3fU	RAIL	+/- 20° Over Rear		67%
	 50 - 150mm			

RADIUS

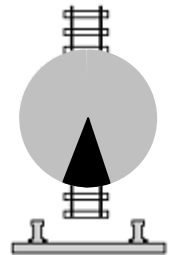
MINIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
		8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
		7.0	-	-	-	5.26	4.34	2.66a	3.09	-	-	-	-	-
		6.0	-	-	5.16a	5.19	4.30	3.64	3.11	2.69	2.32	-	-	-
		5.0	-	6.26a	6.12	4.96	4.15	3.52	3.03	2.64	2.31	2.03	-	-
		4.0	-	7.60	5.74	4.57	3.87	3.33	2.89	2.54	2.25	1.99	1.77	-
		3.0	-	7.26	5.48	4.32	3.56	3.11	2.73	2.42	2.15	1.93	1.73	-
		2.0	5.12a	5.13a	5.12	4.06	3.32	2.89	2.58	2.30	2.06	1.86	1.68	-
		1.0	3.87a	4.06a	4.22a	3.82	3.14	2.76	2.45	2.20	1.98	1.79	1.63	-
		0.0	3.89a	3.83a	3.86a	3.67	3.10	2.70	2.39	2.14	1.93	1.76	1.60	-
		-1.0	4.36a	4.19a	4.46a	3.66	3.09	2.68	2.37	2.12	1.91	1.74	-	-
		-2.0	7.42a	5.87	4.57	3.72	3.13	2.71	2.38	2.13	1.93	1.78	-	-
		-3.0	8.27	6.05	4.72	3.86	3.25	2.81	2.49	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
3fU	RAIL	+/- 20° Over Rear		67%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
		8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	-
		7.0	-	-	-	5.29	4.40	3.68	3.09	-	-	-	-	-
		6.0	-	-	5.19a	5.26	4.41	3.76	3.20	2.72	2.32	-	-	-
		5.0	-	6.50a	6.30	5.16	4.35	3.74	3.25	2.78	2.38	2.04	-	-
		4.0	-	7.68	6.10	5.03	4.26	3.68	3.23	2.79	2.40	2.06	1.78	-
		3.0	-	7.46	5.95	4.93	4.19	3.64	3.21	2.78	2.38	2.05	1.77	-
		2.0	7.65a	7.38	5.88	4.87	4.16	3.62	3.15	2.72	2.34	2.00	1.74	-
		1.0	6.79a	7.09	5.71	4.75	4.03	3.47	3.03	2.63	2.24	1.94	1.69	-
		0.0	8.88a	6.77	5.43	4.52	3.84	3.33	2.90	2.50	2.15	1.88	1.64	-
		-1.0	8.79	6.60	5.26	4.36	3.73	3.22	2.76	2.37	2.05	1.81	-	-
		-2.0	8.76	6.54	5.18	4.30	3.60	3.04	2.60	2.27	2.00	1.78	-	-
		-3.0	8.87	6.50	5.09	4.15	3.44	2.96	2.53	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-

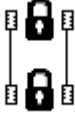



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	55 of 58

RATED LIFT CAPACITY CHART

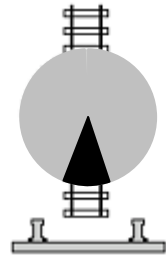
RIS 1530

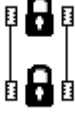

Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

Duty	Config	Sector	Osc Axle	Safety
3fB	RAIL	+/- 20° Over Rear		90%
	 50 - 150mm			

RADIUS

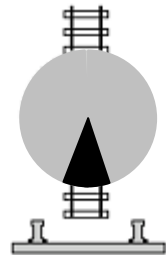
MINIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
		8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
		7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	-	-
		6.0	-	-	5.16a	5.40a	5.53b	4.72b	3.19a	2.81a	2.86a	-	-	-
		5.0	-	6.26a	6.35a	6.36a	5.44b	4.68b	4.08b	3.28a	2.36a	2.15a	-	-
		4.0	-	9.38b	7.53b	6.25b	5.32b	4.61b	4.04b	2.79a	2.93a	2.73a	2.74	-
		3.0	-	9.07b	7.31b	6.10b	5.22b	4.54b	4.01b	3.30a	3.33a	2.24a	2.68	-
		2.0	5.12a	5.13a	5.33a	5.86a	5.17b	4.52b	4.21	3.47a	2.65a	2.92	2.60	-
		1.0	3.87a	4.06a	4.22a	4.48a	5.03a	4.59	4.03	3.05a	3.16	2.83	2.54	-
		0.0	3.89a	3.83a	3.86a	4.20a	5.16	4.50	3.93	3.47	3.09	2.77	2.49	-
		-1.0	4.36a	4.19a	4.46a	6.08	5.16	4.48	3.90	3.44	3.06	2.75	-	-
		-2.0	7.42a	7.72a	7.54	6.16	5.21	4.51	3.92	3.46	3.09	2.80	-	-
		-3.0	10.00	9.86b	7.75	6.35	5.37	4.65	4.08	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
3fB	RAIL	+/- 20° Over Rear		90%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS	HEIGHT		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
		8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	-
		7.0	-	-	-	5.46a	5.42a	5.17a	4.30a	-	-	-	-	-
		6.0	-	-	5.19a	5.49a	5.58a	5.57r	5.03	4.33	3.67	-	-	-
		5.0	-	6.50a	6.60a	6.61a	6.47a	5.75	5.03	4.40	3.75	3.20	-	-
		4.0	-	9.93b	9.26	7.66	6.51	5.65b	4.97	4.41	3.77	3.22	2.75	-
		3.0	-	10.00	9.03b	7.50	6.40	5.57b	4.92	4.39	3.74	3.20	2.74	-
		2.0	7.65a	10.00	8.95b	7.43	6.34	5.53b	4.91	4.29	3.67	3.14	2.69	-
		1.0	6.79a	10.00	8.97	7.46	6.37	5.54	4.85	4.17	3.55	3.05	2.63	-
		0.0	8.88a	10.00	8.69	7.24	6.16	5.35	4.67	3.97	3.42	2.95	2.55	-
		-1.0	10.00	10.00	8.47	7.02	6.00	5.19	4.48	3.81	3.26	2.85	-	-
		-2.0	10.00	10.00	8.36	6.94	5.84	4.96	4.24	3.67	3.19	2.80	-	-
		-3.0	10.00	10.00	8.23	6.75	5.63	4.86	4.15	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-	-	-

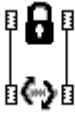



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached.
	Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
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RATED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

RIS 1530

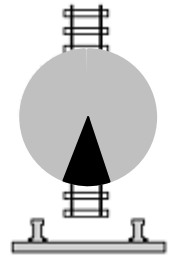
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

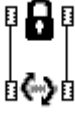

Duty	Config	Sector	Osc Axle	Safety
3fF	RAIL	+/- 20° Over Rear		67%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.26	4.34	2.66a	3.09	-	-	-	-	-
6.0	-	-	5.16a	5.19	4.30	3.64	3.11	2.69	2.32	-	-	-
5.0	-	6.26a	6.12	4.96	4.15	3.52	3.03	2.64	2.31	2.03	-	-
4.0	-	7.60	5.74	4.57	3.87	3.33	2.89	2.54	2.25	1.99	1.77	-
3.0	-	7.26	5.48	4.32	3.56	3.11	2.73	2.42	2.15	1.93	1.73	-
2.0	5.12a	5.13a	5.12	4.06	3.32	2.89	2.58	2.30	2.06	1.86	1.68	-
1.0	3.87a	4.06a	4.22a	3.82	3.14	2.76	2.45	2.20	1.98	1.79	1.63	-
0.0	3.89a	3.83a	3.86a	3.67	3.10	2.70	2.39	2.14	1.93	1.76	1.60	-
-1.0	4.36a	4.19a	4.46a	3.66	3.09	2.68	2.37	2.12	1.91	1.74	-	-
-2.0	7.42a	5.87	4.57	3.72	3.13	2.71	2.38	2.13	1.93	1.78	-	-
-3.0	8.27	6.05	4.73	3.86	3.25	2.81	2.49	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

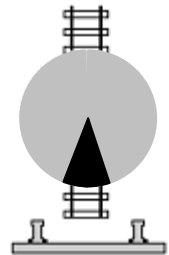


Duty	Config	Sector	Osc Axle	Safety
3fF	RAIL	+/- 20° Over Rear		67%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	-
7.0	-	-	-	5.29	4.40	3.68	3.09	-	-	-	-	-
6.0	-	-	5.19a	5.26	4.41	3.76	3.20	2.73	2.32	-	-	-
5.0	-	6.50a	6.30	5.16	4.35	3.74	3.25	2.78	2.38	2.04	-	-
4.0	-	7.68	6.10	5.03	4.26	3.68	3.23	2.79	2.40	2.06	1.78	-
3.0	-	7.46	5.95	4.93	4.19	3.64	3.21	2.78	2.38	2.05	1.77	-
2.0	7.65a	7.38	5.88	4.87	4.16	3.62	3.15	2.72	2.34	2.00	1.74	-
1.0	6.79a	7.09	5.71	4.75	4.03	3.47	3.03	2.63	2.24	1.94	1.69	-
0.0	8.88a	6.77	5.43	4.52	3.84	3.33	2.90	2.50	2.15	1.88	1.64	-
-1.0	8.79	6.60	5.26	4.36	3.73	3.22	2.76	2.37	2.05	1.81	-	-
-2.0	8.76	6.54	5.18	4.30	3.60	3.04	2.60	2.27	2.00	1.78	-	-
-3.0	8.87	6.50	5.09	4.15	3.44	2.96	2.53	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-

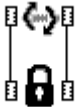



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
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RATED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

RIS 1530

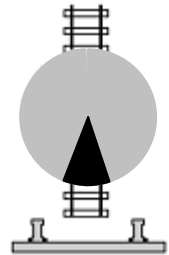
Machine Type	Liebherr Z900ZW	Equipment	2.07m + 2.05m + 3.50m
Issue Date	08/06/2012	Serial No.	13450
FIRST of CLASS	199		

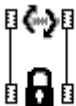

Duty	Config	Sector	Osc Axle	Safety
3fR	RAIL	+/- 20° Over Rear		67%
	 50 - 150mm			

RADIUS

MINIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.59a	3.62a	-	-	-	-	-	-	-	
7.0	-	-	-	5.45a	4.87a	2.66a	3.56a	-	-	-	-	
6.0	-	-	5.16a	5.40a	5.53b	4.72b	3.19a	2.81a	2.86a	-	-	
5.0	-	6.26a	6.35a	6.36a	5.44b	4.68b	4.08b	3.28a	2.36a	2.15a	-	
4.0	-	9.38b	7.53b	6.25b	5.32b	4.60	3.96	2.79a	2.93a	2.71	2.41	
3.0	-	9.07b	7.31b	6.10b	5.06	4.35	3.79	3.30a	2.96	2.24a	2.37	
2.0	5.12a	5.13a	5.33a	5.86a	4.79	4.11	3.62	3.20	2.65a	2.57	2.32	
1.0	3.87a	4.06a	4.22a	4.48a	4.59	3.97	3.48	3.05a	2.77	2.50	2.27	
0.0	3.89a	3.83a	3.86a	4.20a	4.54	3.89	3.41	3.03	2.72	2.46	2.24	
-1.0	4.36a	4.19a	4.46a	5.47	4.53	3.88	3.39	3.00	2.69	2.44	-	
-2.0	7.42a	7.72a	6.98	5.53	4.58	3.91	3.40	3.02	2.71	2.48	-	
-3.0	10.00	9.58	7.16	5.69	4.71	4.02	3.52	-	-	-	-	
-4.0	-	-	-	-	-	-	-	-	-	-	-	

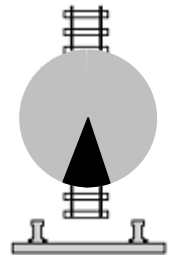


Duty	Config	Sector	Osc Axle	Safety
3fR	RAIL	+/- 20° Over Rear		67%
	 50 - 150mm			

RADIUS

MAXIMUM LOADS

HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	5.73a	5.09a	-	-	-	-	-	-	-	
7.0	-	-	-	5.46a	5.42a	4.96	4.18	-	-	-	-	
6.0	-	-	5.19a	5.49a	5.58a	5.05	4.30	3.66	3.14	-	-	
5.0	-	6.50a	6.60a	6.61a	5.90b	5.00	4.33	3.72	3.20	2.77	-	
4.0	-	9.93b	8.60	6.94	5.78	4.94	4.30	3.73	3.21	2.78	2.42	
3.0	-	10.00	8.41	6.81	5.69	4.88	4.27	3.71	3.20	2.77	2.42	
2.0	7.65a	10.00	8.34	6.75	5.65	4.86	4.25	3.64	3.13	2.72	2.39	
1.0	6.79a	10.00	8.31	6.72	5.59	4.76	4.11	3.53	3.05	2.66	2.33	
0.0	8.88a	10.00	8.00	6.46	5.38	4.60	3.97	3.42	2.95	2.59	2.28	
-1.0	10.00	10.00	7.80	6.27	5.25	4.47	3.81	3.27	2.84	2.52	-	
-2.0	10.00	10.00	7.71	6.20	5.11	4.28	3.64	3.17	2.79	2.48	-	
-3.0	10.00	10.00	7.59	6.04	4.93	4.19	3.57	-	-	-	-	
-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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