

RATED LIFT CAPACITY CHART

RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

Duty	Config	Sector	Osc Axle	Safety
1aU	ROAD	+/- 10° Over Front		71%

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.81a	-	-	-	-	-	-
6.0	-	-	-	-	-	2.96b	2.52b	2.63a	-	-	-	-
5.0	-	-	-	-	3.43b	2.92b	2.51b	2.24b	2.42a	2.40	-	-
4.0	-	-	4.45a	3.97b	3.34b	2.86b	2.47b	2.16b	2.62b	2.38	2.13	-
3.0	-	-	4.67b	3.86b	3.26b	2.80b	2.44b	2.16b	2.61	2.29a	2.10	-
2.0	7.87a	5.79b	4.62b	3.82b	3.23b	2.79b	2.44b	2.69b	2.47a	2.30	2.07	-
1.0	5.73a	5.58a	5.86a	4.59b	3.90b	3.53b	3.15	2.80	2.50	2.26	2.04	-
0.0	6.71a	5.77a	5.61a	4.89	4.11	3.55	3.11	2.76	2.47	2.23	2.03	-
-1.0	9.63a	7.74	6.03	4.90	4.12	3.55	3.11	2.75	2.46	2.23	-	-
-2.0	10.00	7.79	6.08	4.95	4.16	3.57	3.12	2.77	2.49	-	-	-
-3.0	9.60b	7.98	6.24	5.09	4.29	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
1aU	ROAD	+/- 10° Over Front		71%

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.29b	-	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	3.13b	3.10	-	-	-	-
5.0	-	-	-	-	3.52a	3.42b	3.39b	3.09	2.74	2.40	-	-
4.0	-	-	4.66a	4.54a	4.44a	3.96	3.46	3.06	2.73b	2.41	2.13	-
3.0	-	-	5.77b	5.35	4.53	3.91	3.43b	3.04b	2.72	2.40	2.12	-
2.0	7.87a	8.17b	6.46	5.32	4.50	3.89	3.41	3.04b	2.69	2.38	2.10	-
1.0	8.24a	8.23	6.50	5.35	4.52	3.91	3.45	3.02	2.65	2.34	2.07	-
0.0	10.00	8.08	6.41	5.30	4.49	3.86	3.38	2.95	2.58	2.29	2.04	-
-1.0	10.00	8.03	6.35	5.22	4.42	3.80	3.28	2.88	2.53	2.25	-	-
-2.0	10.00	8.05	6.35	5.21	4.36	3.72	3.22	2.83	2.51	-	-	-
-3.0	10.00	8.01	6.30	5.13	4.30	-	-	-	-	-	-	-
-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 42

RATED LIFT CAPACITY CHART

RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

Duty	Config	Sector	Osc Axle	Safety
1aL	ROAD	+/- 10° Over Front		71%

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	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.81a	-	-	-	-	-
6.0	-	-	-	-	-	2.96b	2.52b	2.63a	-	-	-
5.0	-	-	-	-	3.43b	2.92b	2.51b	2.24b	2.42a	2.43a	-
4.0	-	-	4.45a	3.97b	3.34b	2.86b	2.47b	2.16b	2.62b	2.59a	2.39a
3.0	-	-	4.67b	3.86b	3.26b	2.80b	2.44b	2.16b	2.71a	2.29a	2.62a
2.0	7.87a	5.79b	4.62b	3.82b	3.23b	2.79b	2.44b	2.69b	2.47a	2.39a	2.68a
1.0	5.73a	5.58a	5.86a	4.59b	3.90b	3.53b	3.45b	2.88a	2.74a	2.75a	2.89a
0.0	6.71a	5.77a	5.61a	5.74a	5.51b	4.92b	4.31a	3.12a	3.78a	3.10a	2.85a
-1.0	9.63a	9.03a	8.46b	7.30b	6.65b	5.77a	5.08a	3.85a	4.02a	3.66a	-
-2.0	10.00	10.00	8.53b	7.07b	6.00b	5.37b	4.86b	4.34b	3.73a	-	-
-3.0	9.60b	10.00	8.73b	7.24b	6.18b	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
1aL	ROAD	+/- 10° Over Front		71%

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	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.29b	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	3.13b	3.18b	-	-	-
5.0	-	-	-	-	3.52a	3.42b	3.39b	3.28b	3.23b	2.73a	-
4.0	-	-	4.66a	4.54a	4.44a	4.12b	3.86b	3.64b	3.45b	3.36b	2.72a
3.0	-	-	5.77b	6.02b	5.79b	4.98b	4.44b	4.10b	3.81b	3.58b	3.44b
2.0	7.87a	8.17b	7.80b	7.23b	6.72b	5.79b	5.05b	4.54b	4.13b	3.82b	3.60b
1.0	8.24a	10.00	9.32b	8.22b	7.19b	6.22b	5.44b	4.84b	4.39b	4.02b	3.72b
0.0	10.00	10.00	10.00	8.48b	7.23b	6.29b	5.56b	4.97b	4.49b	4.09b	3.72b
-1.0	10.00	10.00	10.00	8.57b	7.31b	6.36b	5.62b	5.04b	4.55b	3.99b	-
-2.0	10.00	10.00	10.00	8.78b	7.48b	6.45b	5.59b	4.77b	3.94b	-	-
-3.0	10.00	10.00	9.29b	7.60b	6.29b	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	2 of 42

RATED LIFT CAPACITY CHART

RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

Duty	Config	Sector	Osc Axle	Safety
1bU	ROAD	+/- 10° - +/- 45° Over Front		71%

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.64	-	-	-	-	-	-
6.0	-	-	-	-	-	2.66	2.26	1.93	-	-	-	-
5.0	-	-	-	-	3.10	2.61	2.21	1.91	1.65	1.43	-	-
4.0	-	-	4.41	3.53	2.94	2.49	2.13	1.84	1.61	1.41	1.23	-
3.0	-	-	4.23	3.33	2.72	2.34	2.03	1.76	1.55	1.36	1.20	-
2.0	7.44	5.26	3.99	3.15	2.56	2.20	1.92	1.69	1.49	1.32	1.17	-
1.0	5.73a	4.94	3.78	3.01	2.46	2.12	1.85	1.63	1.44	1.28	1.14	-
0.0	6.71a	4.84	3.69	2.94	2.44	2.09	1.81	1.59	1.41	1.26	1.13	-
-1.0	6.70	4.81	3.69	2.95	2.45	2.08	1.80	1.58	1.40	1.25	-	-
-2.0	6.74	4.86	3.74	3.00	2.48	2.11	1.82	1.60	1.42	-	-	-
-3.0	6.58	5.05	3.89	3.14	2.62	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
1bU	ROAD	+/- 10° - +/- 45° Over Front		71%

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.65	-	-	-	-	-	-
6.0	-	-	-	-	-	2.67	2.28	1.93	-	-	-	-
5.0	-	-	-	-	3.11	2.64	2.27	1.97	1.68	1.43	-	-
4.0	-	-	4.45a	3.63	3.04	2.59	2.24	1.96	1.68	1.44	1.23	-
3.0	-	-	4.34	3.55	2.98	2.56	2.22	1.96	1.67	1.43	1.22	-
2.0	7.44	5.49	4.31	3.52	2.96	2.54	2.22	1.92	1.64	1.40	1.20	-
1.0	7.05	5.30	4.22	3.47	2.92	2.49	2.15	1.86	1.59	1.36	1.17	-
0.0	6.97	5.16	4.07	3.35	2.81	2.40	2.08	1.78	1.52	1.32	1.14	-
-1.0	6.95	5.11	4.01	3.27	2.75	2.34	1.98	1.71	1.47	1.28	-	-
-2.0	6.99	5.12	4.01	3.26	2.69	2.26	1.91	1.66	1.44	-	-	-
-3.0	6.69	5.08	3.96	3.18	2.63	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	3 of 42

RATED LIFT CAPACITY CHART

RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

Duty	Config	Sector	Osc Axle	Safety
1bL	ROAD	+/- 10° - +/- 45° Over Front		71%

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.81a	-	-	-	-	-	-
6.0	-	-	-	-	-	2.96b	2.52b	2.63a	-	-	-	-
5.0	-	-	-	-	3.43b	2.92b	2.51b	2.24b	2.42a	2.43a	-	-
4.0	-	-	4.45a	3.97b	3.34b	2.86b	2.47b	2.16b	2.62b	2.54	2.27	-
3.0	-	-	4.67b	3.86b	3.26b	2.80b	2.44b	2.16b	2.71a	2.29a	2.24	-
2.0	7.87a	5.79b	4.62b	3.82b	3.23b	2.79b	2.44b	2.69b	2.47a	2.39a	2.21	-
1.0	5.73a	5.58a	5.86a	4.59b	3.90b	3.53b	3.40	2.88a	2.69	2.41	2.18	-
0.0	6.71a	5.77a	5.61a	5.40	4.50	3.86	3.37	2.97	2.65	2.39	2.16	-
-1.0	9.63a	8.85	6.75	5.42	4.51	3.85	3.36	2.96	2.64	2.39	-	-
-2.0	10.00	8.91	6.81	5.47	4.55	3.88	3.38	2.98	2.67	-	-	-
-3.0	9.60b	9.12	6.98	5.62	4.69	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
1bL	ROAD	+/- 10° - +/- 45° Over Front		71%

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.29b	-	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	3.13b	3.18b	-	-	-	-
5.0	-	-	-	-	3.52a	3.42b	3.39b	3.28b	2.92	2.56	-	-
4.0	-	-	4.66a	4.54a	4.44a	4.12b	3.71	3.27	2.91	2.58	2.27	-
3.0	-	-	5.77b	5.84	4.91	4.21	3.67	3.24	2.90	2.56	2.26	-
2.0	7.87a	8.17b	7.15	5.81b	4.88b	4.18	3.66	3.24	2.88	2.53	2.24	-
1.0	8.24a	9.31	7.19	5.84	4.90	4.20	3.68	3.24	2.83	2.50	2.21	-
0.0	10.00	9.24	7.17	5.84	4.90	4.19	3.64	3.16	2.77	2.45	2.18	-
-1.0	10.00	9.18	7.10	5.76	4.83	4.12	3.54	3.09	2.71	2.41	-	-
-2.0	10.00	9.20	7.11	5.75	4.77	4.04	3.47	3.04	2.69	-	-	-
-3.0	10.00	9.16	7.05	5.66	4.70	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	4 of 42

RATED LIFT CAPACITY CHART

RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

Duty	Config	Sector	Osc Axle	Safety
1cU	ROAD	+/- 45° - +/- 135°		71%

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.64	-	-	-	-	-	-
6.0	-	-	-	-	-	2.66	2.26	1.93	-	-	-	-
5.0	-	-	-	-	3.10	2.61	2.21	1.91	1.65	1.43	-	-
4.0	-	-	4.41	3.53	2.94	2.49	2.13	1.84	1.61	1.41	1.23	-
3.0	-	-	4.23	3.33	2.72	2.34	2.03	1.76	1.55	1.36	1.20	-
2.0	7.43	5.26	3.99	3.15	2.56	2.20	1.92	1.69	1.49	1.32	1.17	-
1.0	5.73a	4.94	3.78	3.01	2.46	2.12	1.85	1.63	1.44	1.28	1.14	-
0.0	6.71a	4.84	3.69	2.94	2.44	2.09	1.81	1.59	1.41	1.26	1.13	-
-1.0	6.70	4.81	3.69	2.95	2.45	2.08	1.80	1.58	1.40	1.25	-	-
-2.0	6.74	4.86	3.74	3.00	2.48	2.11	1.82	1.60	1.42	-	-	-
-3.0	6.58	5.05	3.89	3.14	2.62	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
1cU	ROAD	+/- 45° - +/- 135°		71%

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.65	-	-	-	-	-	-
6.0	-	-	-	-	-	2.67	2.28	1.93	-	-	-	-
5.0	-	-	-	-	3.11	2.64	2.27	1.97	1.68	1.43	-	-
4.0	-	-	4.45a	3.63	3.04	2.59	2.24	1.96	1.68	1.44	1.23	-
3.0	-	-	4.34	3.55	2.98	2.56	2.22	1.96	1.67	1.43	1.22	-
2.0	7.43	5.49	4.31	3.52	2.96	2.54	2.22	1.92	1.64	1.40	1.20	-
1.0	7.05	5.30	4.22	3.47	2.92	2.49	2.15	1.86	1.59	1.36	1.17	-
0.0	6.97	5.16	4.07	3.35	2.81	2.40	2.08	1.78	1.52	1.32	1.14	-
-1.0	6.95	5.11	4.01	3.27	2.75	2.34	1.98	1.71	1.47	1.28	-	-
-2.0	6.99	5.12	4.01	3.26	2.69	2.26	1.91	1.66	1.44	-	-	-
-3.0	6.69	5.08	3.96	3.18	2.63	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	5 of 42

RATED LIFT CAPACITY CHART

RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

Duty	Config	Sector	Osc Axle	Safety
1cL	ROAD	+/- 45° - +/- 135°		71%

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.81a	-	-	-	-	-	-
6.0	-	-	-	-	-	2.96b	2.52b	2.63a	-	-	-	-
5.0	-	-	-	-	3.43b	2.92b	2.51b	2.24b	2.42a	2.43a	-	-
4.0	-	-	4.45a	3.97b	3.34b	2.86b	2.47b	2.16b	2.62b	2.54	2.27	-
3.0	-	-	4.67b	3.86b	3.26b	2.80b	2.44b	2.16b	2.71a	2.29a	2.24	-
2.0	7.87a	5.79b	4.62b	3.82b	3.23b	2.79b	2.44b	2.69b	2.47a	2.39a	2.21	-
1.0	5.73a	5.58a	5.86a	4.59b	3.90b	3.53b	3.40	2.88a	2.69	2.41	2.18	-
0.0	6.71a	5.77a	5.61a	5.40	4.50	3.86	3.37	2.97	2.65	2.39	2.16	-
-1.0	9.63a	8.85	6.75	5.42	4.51	3.85	3.36	2.96	2.64	2.39	-	-
-2.0	10.00	8.91	6.81	5.47	4.55	3.88	3.38	2.98	2.67	-	-	-
-3.0	9.60b	9.12	6.98	5.62	4.69	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
1cL	ROAD	+/- 45° - +/- 135°		71%

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.29b	-	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	3.13b	3.18b	-	-	-	-
5.0	-	-	-	-	3.52a	3.42b	3.39b	3.28b	2.92	2.56	-	-
4.0	-	-	4.66a	4.54a	4.44a	4.12b	3.71	3.27	2.91	2.58	2.27	-
3.0	-	-	5.77b	5.84	4.91	4.21	3.67	3.24	2.90	2.56	2.26	-
2.0	7.87a	8.17b	7.15	5.81b	4.88b	4.18	3.66	3.24	2.88	2.53	2.24	-
1.0	8.24a	9.31	7.19	5.84	4.90	4.20	3.68	3.24	2.83	2.50	2.21	-
0.0	10.00	9.24	7.17	5.84	4.90	4.19	3.64	3.16	2.77	2.45	2.18	-
-1.0	10.00	9.18	7.10	5.76	4.83	4.12	3.54	3.09	2.71	2.41	-	-
-2.0	10.00	9.20	7.11	5.75	4.77	4.04	3.47	3.04	2.69	-	-	-
-3.0	10.00	9.16	7.05	5.66	4.70	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	6 of 42

RATED LIFT CAPACITY CHART

RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

Duty	Config	Sector	Osc Axle	Safety
1dU	ROAD	+/- 135° - +/- 160° Over Rear		71%

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.81a	-	-	-	-	-	-
6.0	-	-	-	-	-	2.96b	2.52b	2.63a	-	-	-	-
5.0	-	-	-	-	3.43b	2.92b	2.51b	2.24b	2.42a	2.43a	-	-
4.0	-	-	4.45a	3.97b	3.34b	2.86b	2.47b	2.16b	2.62b	2.59a	2.39a	-
3.0	-	-	4.67b	3.86b	3.26b	2.80b	2.44b	2.16b	2.71a	2.29a	2.62a	-
2.0	7.87a	5.79b	4.62b	3.82b	3.23b	2.79b	2.44b	2.69b	2.47a	2.39a	2.68a	-
1.0	5.73a	5.58a	5.86a	4.59b	3.90b	3.53b	3.45b	2.88a	2.74a	2.75a	2.89a	-
0.0	6.71a	5.77a	5.61a	5.74a	5.51b	4.92b	4.31a	3.12a	3.78a	3.10a	2.85a	-
-1.0	9.63a	9.03a	8.46b	7.30b	6.65b	5.77a	5.08a	3.85a	4.02a	3.66a	-	-
-2.0	10.00	10.00	8.53b	7.07b	6.00b	5.37b	4.86b	4.34b	3.73a	-	-	-
-3.0	9.60b	10.00	8.73b	7.24b	6.18b	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
1dU	ROAD	+/- 135° - +/- 160° Over Rear		71%

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.29b	-	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	3.13b	3.18b	-	-	-	-
5.0	-	-	-	-	3.52a	3.42b	3.39b	3.28b	3.23b	2.73a	-	-
4.0	-	-	4.66a	4.54a	4.44a	4.12b	3.86b	3.64b	3.45b	3.36b	2.72a	-
3.0	-	-	5.77b	6.02b	5.79b	4.98b	4.44b	4.10b	3.81b	3.58b	3.44b	-
2.0	7.87a	8.17b	7.80b	7.23b	6.72b	5.79b	5.05b	4.54b	4.13b	3.82b	3.60b	-
1.0	8.24a	10.00	9.32b	8.22b	7.19b	6.22b	5.44b	4.84b	4.39b	4.02b	3.72b	-
0.0	10.00	10.00	10.00	8.48b	7.23b	6.29b	5.56b	4.97b	4.49b	4.09b	3.72b	-
-1.0	10.00	10.00	10.00	8.57b	7.31b	6.36b	5.62b	5.04b	4.55b	3.99b	-	-
-2.0	10.00	10.00	10.00	8.78b	7.48b	6.45b	5.59b	4.77b	3.94b	-	-	-
-3.0	10.00	10.00	9.29b	7.60b	6.29b	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	7 of 42

RATED LIFT CAPACITY CHART

RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

Duty	Config	Sector	Osc Axle	Safety
1dL	ROAD	+/- 135° - +/- 160° Over Rear		71%

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	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.81a	-	-	-	-	-
6.0	-	-	-	-	-	2.96b	2.52b	2.63a	-	-	-
5.0	-	-	-	-	3.43b	2.92b	2.51b	2.24b	2.42a	2.43a	-
4.0	-	-	4.45a	3.97b	3.34b	2.86b	2.47b	2.16b	2.62b	2.54	2.27
3.0	-	-	4.67b	3.86b	3.26b	2.80b	2.44b	2.16b	2.71a	2.29a	2.24
2.0	7.87a	5.79b	4.62b	3.82b	3.23b	2.79b	2.44b	2.69b	2.47a	2.39a	2.21
1.0	5.73a	5.58a	5.86a	4.59b	3.90b	3.53b	3.40	2.88a	2.69	2.41	2.18
0.0	6.71a	5.77a	5.61a	5.40	4.50	3.86	3.37	2.97	2.65	2.39	2.16
-1.0	9.63a	8.85	6.75	5.42	4.51	3.85	3.36	2.96	2.64	2.39	-
-2.0	10.00	8.91	6.81	5.47	4.55	3.88	3.38	2.98	2.67	-	-
-3.0	9.60b	9.12	6.98	5.62	4.69	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
1dL	ROAD	+/- 135° - +/- 160° Over Rear		71%

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	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.29b	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	3.13b	3.18b	-	-	-
5.0	-	-	-	-	3.52a	3.42b	3.39b	3.28b	2.92	2.56	-
4.0	-	-	4.66a	4.54a	4.44a	4.12b	3.71	3.27	2.91	2.58	2.27
3.0	-	-	5.77b	5.84	4.91	4.21	3.67	3.24	2.90	2.56	2.26
2.0	7.87a	8.17b	7.15	5.81b	4.88b	4.18	3.66	3.24	2.88	2.53	2.24
1.0	8.24a	9.31	7.19	5.84	4.90	4.20	3.68	3.24	2.83	2.50	2.21
0.0	10.00	9.24	7.17	5.84	4.90	4.19	3.64	3.16	2.77	2.45	2.18
-1.0	10.00	9.18	7.10	5.76	4.83	4.12	3.54	3.09	2.71	2.41	-
-2.0	10.00	9.20	7.11	5.75	4.77	4.04	3.47	3.04	2.69	-	-
-3.0	10.00	9.16	7.05	5.66	4.70	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	8 of 42

RATED LIFT CAPACITY CHART

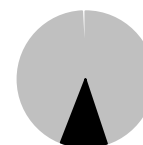
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

Duty	Config	Sector	Osc Axle	Safety
1eU	ROAD	+/- 20° Over Rear		71%

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	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.81a	-	-	-	-	-
6.0	-	-	-	-	-	2.96b	2.52b	2.63a	-	-	-
5.0	-	-	-	-	3.43b	2.92b	2.51b	2.24b	2.42a	2.43a	-
4.0	-	-	4.45a	3.97b	3.34b	2.86b	2.47b	2.16b	2.62b	2.59a	2.39a
3.0	-	-	4.67b	3.86b	3.26b	2.80b	2.44b	2.16b	2.71a	2.29a	2.62a
2.0	7.87a	5.79b	4.62b	3.82b	3.23b	2.79b	2.44b	2.69b	2.47a	2.39a	2.68a
1.0	5.73a	5.58a	5.86a	4.59b	3.90b	3.53b	3.45b	2.88a	2.74a	2.75a	2.89a
0.0	6.71a	5.77a	5.61a	5.74a	5.51b	4.92b	4.31a	3.12a	3.78a	3.10a	2.85a
-1.0	9.63a	9.03a	8.46b	7.30b	6.65b	5.77a	5.08a	3.85a	4.02a	3.66a	-
-2.0	10.00	10.00	8.53b	7.07b	6.00b	5.37b	4.86b	4.34b	3.73a	-	-
-3.0	9.60b	10.00	8.73b	7.24b	6.18b	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
1eU	ROAD	+/- 20° Over Rear		71%

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	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.29b	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	3.13b	3.18b	-	-	-
5.0	-	-	-	-	3.52a	3.42b	3.39b	3.28b	3.23b	2.73a	-
4.0	-	-	4.66a	4.54a	4.44a	4.12b	3.86b	3.64b	3.45b	3.36b	2.72a
3.0	-	-	5.77b	6.02b	5.79b	4.98b	4.44b	4.10b	3.81b	3.58b	3.44b
2.0	7.87a	8.17b	7.80b	7.23b	6.72b	5.79b	5.05b	4.54b	4.13b	3.82b	3.60b
1.0	8.24a	10.00	9.32b	8.22b	7.19b	6.22b	5.44b	4.84b	4.39b	4.02b	3.72b
0.0	10.00	10.00	10.00	8.48b	7.23b	6.29b	5.56b	4.97b	4.49b	4.09b	3.72b
-1.0	10.00	10.00	10.00	8.57b	7.31b	6.36b	5.62b	5.04b	4.55b	3.99b	-
-2.0	10.00	10.00	10.00	8.78b	7.48b	6.45b	5.59b	4.77b	3.94b	-	-
-3.0	10.00	10.00	9.29b	7.60b	6.29b	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	9 of 42

RATED LIFT CAPACITY CHART

RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

Duty	Config	Sector	Osc Axle	Safety
1eL	ROAD	+/- 20° Over Rear		71%

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.81a	-	-	-	-	-	-
6.0	-	-	-	-	-	2.96b	2.52b	2.63a	-	-	-	-
5.0	-	-	-	-	3.43b	2.92b	2.51b	2.24b	2.42a	2.43a	-	-
4.0	-	-	4.45a	3.97b	3.34b	2.86b	2.47b	2.16b	2.62b	2.59a	2.39a	-
3.0	-	-	4.67b	3.86b	3.26b	2.80b	2.44b	2.16b	2.71a	2.29a	2.62a	-
2.0	7.87a	5.79b	4.62b	3.82b	3.23b	2.79b	2.44b	2.69b	2.47a	2.39a	2.68a	-
1.0	5.73a	5.58a	5.86a	4.59b	3.90b	3.53b	3.45b	2.88a	2.74a	2.75a	2.89a	-
0.0	6.71a	5.77a	5.61a	5.74a	5.51b	4.92b	4.31a	3.12a	3.78a	3.10a	2.85a	-
-1.0	9.63a	9.03a	8.46b	7.30b	6.65b	5.77a	5.08a	3.85a	4.02a	3.66a	-	-
-2.0	10.00	10.00	8.53b	7.07b	6.00b	5.37b	4.86b	4.34b	3.73a	-	-	-
-3.0	9.60b	10.00	8.73b	7.24b	6.18b	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
1eL	ROAD	+/- 20° Over Rear		71%

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.29b	-	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	3.13b	3.18b	-	-	-	-
5.0	-	-	-	-	3.52a	3.42b	3.39b	3.28b	3.23b	2.73a	-	-
4.0	-	-	4.66a	4.54a	4.44a	4.12b	3.86b	3.64b	3.45b	3.36b	2.72a	-
3.0	-	-	5.77b	6.02b	5.79b	4.98b	4.44b	4.10b	3.81b	3.58b	3.44b	-
2.0	7.87a	8.17b	7.80b	7.23b	6.72b	5.79b	5.05b	4.54b	4.13b	3.82b	3.60b	-
1.0	8.24a	10.00	9.32b	8.22b	7.19b	6.22b	5.44b	4.84b	4.39b	4.02b	3.72b	-
0.0	10.00	10.00	10.00	8.48b	7.23b	6.29b	5.56b	4.97b	4.49b	4.09b	3.72b	-
-1.0	10.00	10.00	10.00	8.57b	7.31b	6.36b	5.62b	5.04b	4.55b	3.99b	-	-
-2.0	10.00	10.00	10.00	8.78b	7.48b	6.45b	5.59b	4.77b	3.94b	-	-	-
-3.0	10.00	10.00	9.29b	7.60b	6.29b	-	-	-	-	-	-	-
-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 42

RATED LIFT CAPACITY CHART

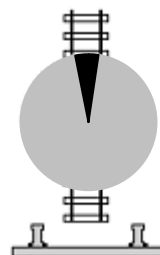
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

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

MINIMUM LOADS

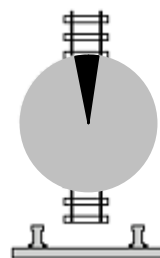
HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.95b	2.47a	-	-	-	-	-
6.0	-	-	-	-	-	2.95b	2.53b	2.65a	2.44	-	-	-
5.0	-	-	-	-	3.42b	2.91b	2.50b	2.17b	2.42a	2.18	-	-
4.0	-	-	4.78b	3.95b	3.32b	2.85b	2.47b	2.16b	2.16a	2.16	1.95	-
3.0	-	-	4.65b	3.85b	3.26b	2.80b	2.44b	2.16b	2.35	2.12	1.92	-
2.0	-	5.80b	4.63b	3.82b	3.23b	2.79b	2.52b	2.55	2.30	2.08	1.89	-
1.0	5.93a	5.49a	4.99	4.16	3.55	3.13	2.78	2.50	2.26	2.05	1.87	-
0.0	6.80a	5.79a	4.93	4.12	3.54	3.10	2.76	2.47	2.23	2.03	1.86	-
-1.0	7.79	6.07	4.94	4.13	3.55	3.10	2.75	2.47	2.23	2.03	-	-
-2.0	7.84	6.12	4.99	4.18	3.59	3.13	2.78	2.49	2.26	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



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

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.21b	2.85a	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	3.13b	2.77	2.44	-	-	-
5.0	-	-	-	-	3.58a	3.53	3.11	2.77	2.47	2.19	-	-
4.0	-	-	5.28b	4.61	3.97	3.48	3.08	2.75b	2.47	2.19	1.95	-
3.0	-	-	5.38	4.55	3.93	3.44b	3.05	2.73	2.45	2.18	1.94	-
2.0	-	6.54	5.37	4.54	3.91	3.43	3.05	2.75	2.43	2.15	1.92	-
1.0	8.03	6.42	5.33	4.54	3.92	3.43	3.03	2.69	2.38	2.11	1.90	-
0.0	7.98	6.32	5.23	4.43	3.83	3.36	2.97	2.62	2.32	2.08	1.87	-
-1.0	7.97	6.29	5.18	4.38	3.78	3.31	2.89	2.56	2.28	2.04	-	-
-2.0	8.01	6.31	5.19	4.37	3.73	3.24	2.84	2.53	2.26	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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 42

RATED LIFT CAPACITY CHART

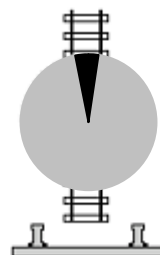
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

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

MINIMUM LOADS

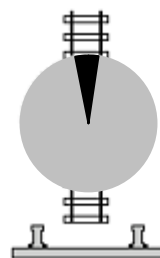
HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.95b	2.47a	-	-	-	-	-
6.0	-	-	-	-	-	2.95b	2.53b	2.65a	2.45a	-	-	-
5.0	-	-	-	-	3.42b	2.91b	2.50b	2.17b	2.42a	2.52a	-	-
4.0	-	-	4.78b	3.95b	3.32b	2.85b	2.47b	2.16b	2.16a	2.64a	2.53a	-
3.0	-	-	4.65b	3.85b	3.26b	2.80b	2.44b	2.16b	2.77a	2.42a	2.28a	-
2.0	-	5.80b	4.63b	3.82b	3.23b	2.79b	2.52b	2.81b	2.62a	2.65a	2.36a	-
1.0	5.93a	5.49a	5.60a	4.90b	4.17b	3.77b	3.65b	2.95a	3.07a	3.01	2.73	-
0.0	6.80a	5.79a	5.57a	6.37a	5.58	4.79	4.18	3.68a	3.31	2.99	2.72	-
-1.0	10.00	10.00	8.32	6.70	5.59	4.79	4.18	3.70	3.31	2.99	-	-
-2.0	10.00	10.00	8.40	6.77	5.64	4.82	4.21	3.73	3.35	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



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

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.21b	2.85a	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	3.20b	3.18b	2.75a	-	-	-
5.0	-	-	-	-	3.58a	3.57b	3.45b	3.34b	3.28b	2.99a	-	-
4.0	-	-	5.28b	5.38b	4.75b	4.25b	3.91b	3.69b	3.52	3.17	2.82a	-
3.0	-	-	5.99b	6.18b	5.87	5.05	4.42	3.91	3.50	3.16	2.81	-
2.0	-	8.48a	8.09b	6.96	5.85	5.03	4.40	3.90	3.50	3.13	2.79	-
1.0	9.13a	10.00	8.62	7.00b	5.87	5.05	4.42	3.93b	3.48	3.09	2.76	-
0.0	10.00	10.00	8.71	7.08	5.94	5.12	4.45	3.88	3.43	3.05	2.73	-
-1.0	10.00	10.00	8.68	7.05	5.91	5.06	4.36	3.82	3.37	3.01	-	-
-2.0	10.00	10.00	8.70	7.02	5.84	4.96	4.30	3.78	3.35	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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 42

RATED LIFT CAPACITY CHART

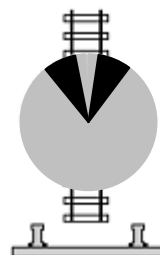
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

Duty	Config	Sector	Osc Axle	Safety
2bU	RAIL	+/- 10° - +/- 40° Over Front		67%
				
	0 - 50mm			

MINIMUM LOADS

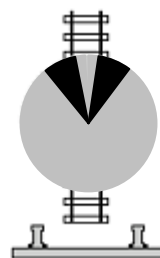
HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.46	2.06	-	-	-	-	-
6.0	-	-	-	-	-	2.46	2.08	1.78	1.52	-	-	-
5.0	-	-	-	-	2.86	2.40	2.04	1.76	1.52	1.32	-	-
4.0	-	-	4.07	3.23	2.69	2.28	1.96	1.70	1.48	1.29	1.13	-
3.0	-	-	3.89	3.05	2.48	2.14	1.85	1.62	1.42	1.25	1.10	-
2.0	-	4.81	3.65	2.89	2.35	2.02	1.76	1.55	1.37	1.21	1.07	-
1.0	5.93a	4.55	3.47	2.76	2.26	1.95	1.70	1.49	1.32	1.17	1.05	-
0.0	6.24	4.47	3.41	2.71	2.25	1.92	1.67	1.46	1.30	1.15	1.04	-
-1.0	6.20	4.46	3.41	2.73	2.26	1.92	1.67	1.46	1.29	1.16	-	-
-2.0	6.27	4.52	3.48	2.79	2.31	1.95	1.69	1.48	1.32	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
2bU	RAIL	+/- 10° - +/- 40° Over Front		67%
				
	0 - 50mm			

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.47	2.07	-	-	-	-	-
6.0	-	-	-	-	-	2.47	2.12	1.80	1.53	-	-	-
5.0	-	-	-	-	2.87	2.44	2.10	1.83	1.55	1.32	-	-
4.0	-	-	4.11	3.36	2.81	2.40	2.07	1.82	1.56	1.33	1.13	-
3.0	-	-	4.02	3.29	2.76	2.36	2.05	1.82	1.54	1.32	1.13	-
2.0	-	5.10	4.00	3.27	2.74	2.36	2.05	1.77	1.51	1.29	1.11	-
1.0	6.52	4.88	3.88	3.20	2.69	2.29	1.97	1.71	1.45	1.24	1.08	-
0.0	6.45	4.77	3.76	3.08	2.59	2.21	1.91	1.63	1.39	1.21	1.05	-
-1.0	6.45	4.73	3.71	3.02	2.53	2.16	1.82	1.56	1.34	1.17	-	-
-2.0	6.49	4.75	3.72	3.00	2.47	2.07	1.77	1.53	1.32	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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' artic and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	13 of 42

RATED LIFT CAPACITY CHART

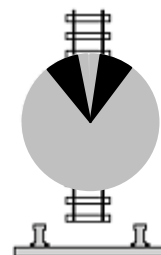
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

Duty	Config	Sector	Osc Axle	Safety
2bL	RAIL	+/- 10° - +/- 40° Over Front		90%
				
	0 - 50mm			

MINIMUM LOADS

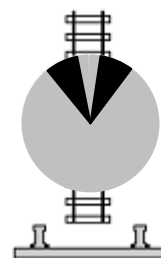
HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.95b	2.47a	-	-	-	-	-
6.0	-	-	-	-	-	2.95b	2.53b	2.65a	2.45a	-	-	-
5.0	-	-	-	-	3.42b	2.91b	2.50b	2.17b	2.42a	2.40	-	-
4.0	-	-	4.78b	3.95b	3.32b	2.85b	2.47b	2.16b	2.16a	2.36	2.05	-
3.0	-	-	4.65b	3.85b	3.26b	2.80b	2.44b	2.16b	2.63	2.29	2.01	-
2.0	-	5.80b	4.63b	3.82b	3.23b	2.79b	2.52b	2.81b	2.55	2.23	1.96	-
1.0	5.93a	5.49a	5.60a	4.90b	4.17b	3.70	3.21	2.82	2.48	2.18	1.92	-
0.0	6.80a	5.79a	5.57a	5.25	4.32	3.67	3.17	2.78	2.44	2.14	1.90	-
-1.0	10.00	8.94	6.68	5.28	4.34	3.67	3.17	2.77	2.43	2.15	-	-
-2.0	10.00	9.04	6.78	5.36	4.40	3.71	3.20	2.81	2.48	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
2bL	RAIL	+/- 10° - +/- 40° Over Front		90%
				
	0 - 50mm			

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.21b	2.85a	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	3.20b	3.18b	2.75a	-	-	-
5.0	-	-	-	-	3.58a	3.57b	3.45b	3.21	2.82	2.41	-	-
4.0	-	-	5.28b	5.38b	4.75b	4.19	3.62	3.17	2.80	2.41	2.05	-
3.0	-	-	5.99b	5.81	4.84	4.13	3.58	3.15	2.80	2.40	2.05	-
2.0	-	8.48a	7.20b	5.79	4.82	4.11	3.57	3.15	2.75	2.35	2.01	-
1.0	9.13a	9.55	7.26b	5.84	4.85	4.14	3.61	3.11	2.68	2.28	1.96	-
0.0	10.00	9.43	7.21	5.79	4.81	4.09	3.51	3.01	2.59	2.23	1.92	-
-1.0	10.00	9.37	7.13	5.71	4.73	4.00	3.39	2.92	2.51	2.17	-	-
-2.0	10.00	9.41	7.15	5.68	4.64	3.88	3.31	2.87	2.48	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	14 of 42

RATED LIFT CAPACITY CHART

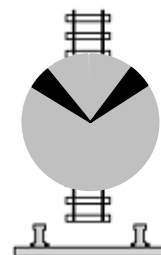
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

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

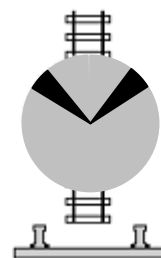
MINIMUM LOADS

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.12	1.79	-	-	-	-	-
6.0	-	-	-	-	-	2.13	1.81	1.55	1.32	-	-	-
5.0	-	-	-	-	2.44	2.06	1.76	1.52	1.32	1.14	-	-
4.0	-	-	3.38	2.72	2.29	1.96	1.69	1.47	1.28	1.12	0.98	-
3.0	-	-	3.21	2.56	2.10	1.82	1.59	1.39	1.22	1.08	0.95	-
2.0	-	3.87	3.01	2.41	1.98	1.71	1.50	1.32	1.17	1.04	0.92	-
1.0	4.89	3.64	2.85	2.30	1.90	1.65	1.44	1.27	1.13	1.01	0.90	-
0.0	4.80	3.58	2.79	2.25	1.89	1.62	1.42	1.25	1.11	0.99	0.89	-
-1.0	4.77	3.56	2.79	2.27	1.90	1.62	1.41	1.24	1.10	0.99	-	-
-2.0	4.83	3.62	2.85	2.32	1.94	1.65	1.43	1.26	1.13	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.13	1.79	-	-	-	-	-
6.0	-	-	-	-	-	2.14	1.84	1.56	1.32	-	-	-
5.0	-	-	-	-	2.46	2.10	1.82	1.59	1.35	1.15	-	-
4.0	-	-	3.42	2.84	2.40	2.06	1.80	1.58	1.36	1.15	0.98	-
3.0	-	-	3.33	2.77	2.35	2.03	1.78	1.58	1.33	1.14	0.97	-
2.0	-	4.13	3.31	2.75	2.34	2.03	1.78	1.53	1.30	1.11	0.95	-
1.0	5.04	3.94	3.21	2.69	2.29	1.97	1.70	1.48	1.25	1.07	0.92	-
0.0	4.98	3.83	3.10	2.58	2.19	1.89	1.64	1.40	1.20	1.04	0.90	-
-1.0	4.98	3.80	3.06	2.53	2.15	1.84	1.56	1.34	1.15	1.00	-	-
-2.0	5.01	3.82	3.07	2.51	2.09	1.76	1.51	1.31	1.13	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	15 of 42

RATED LIFT CAPACITY CHART

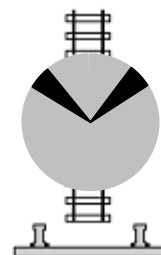
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

Duty	Config	Sector	Osc Axle	Safety
2cL	RAIL	$\pm 40^\circ - \pm 60^\circ$		90%
				
	0 - 50mm			

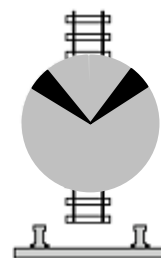
MINIMUM LOADS

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.95b	2.47a	-	-	-	-	-
6.0	-	-	-	-	-	2.95b	2.53b	2.65a	2.41	-	-	-
5.0	-	-	-	-	3.42b	2.91b	2.50b	2.17b	2.40	2.06	-	-
4.0	-	-	4.78b	3.95b	3.32b	2.85b	2.47b	2.16b	2.16a	2.02	1.74	-
3.0	-	-	4.65b	3.85b	3.26b	2.80b	2.44b	2.16b	2.25	1.95	1.70	-
2.0	-	5.80b	4.63b	3.82b	3.23b	2.79b	2.52b	2.48	2.17	1.89	1.65	-
1.0	5.93a	5.49a	5.60a	4.50	3.69	3.17	2.76	2.40	2.10	1.84	1.62	-
0.0	6.80a	5.79a	5.56	4.42	3.67	3.14	2.72	2.36	2.06	1.81	1.60	-
-1.0	10.00	7.30	5.57	4.45	3.69	3.14	2.72	2.35	2.05	1.82	-	-
-2.0	10.00	7.39	5.66	4.53	3.75	3.18	2.75	2.39	2.10	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.21b	2.85a	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	3.20b	2.85	2.41	-	-	-
5.0	-	-	-	-	3.58a	3.57b	3.25	2.84	2.45	2.06	-	-
4.0	-	-	5.28b	5.16	4.32b	3.69	3.20	2.81	2.45	2.07	1.75	-
3.0	-	-	5.99b	5.06	4.24b	3.64	3.16	2.79	2.43	2.06	1.74	-
2.0	-	7.94	6.19	5.04	4.22b	3.62	3.16	2.81	2.38	2.01	1.71	-
1.0	9.13a	7.91	6.23	5.08	4.25b	3.65	3.14	2.73	2.30	1.94	1.66	-
0.0	10.00	7.74	6.05	4.93	4.13	3.54	3.05	2.61	2.21	1.89	1.62	-
-1.0	10.00	7.68	5.98	4.86	4.06	3.46	2.93	2.51	2.13	1.83	-	-
-2.0	10.00	7.71	6.00	4.83	3.97	3.34	2.86	2.46	2.10	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	16 of 42

RATED LIFT CAPACITY CHART

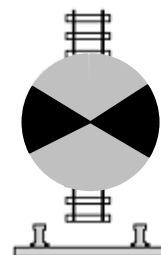
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

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

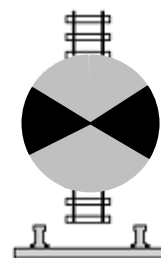
MINIMUM LOADS

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	1.82	1.51	-	-	-	-	-
6.0	-	-	-	-	-	1.82	1.53	1.30	1.10	-	-	-
5.0	-	-	-	-	2.10	1.76	1.49	1.27	1.09	0.93	-	-
4.0	-	-	2.91	2.32	1.95	1.65	1.42	1.22	1.05	0.91	0.78	-
3.0	-	-	2.75	2.16	1.75	1.52	1.32	1.14	1.00	0.87	0.76	-
2.0	-	3.30	2.54	2.01	1.63	1.40	1.23	1.08	0.95	0.83	0.73	-
1.0	4.16	3.07	2.38	1.90	1.55	1.34	1.17	1.02	0.90	0.80	0.70	-
0.0	4.07	3.01	2.32	1.85	1.54	1.32	1.14	1.00	0.88	0.78	0.69	-
-1.0	4.04	2.99	2.33	1.87	1.55	1.32	1.14	1.00	0.88	0.78	-	-
-2.0	4.10	3.05	2.38	1.92	1.59	1.35	1.16	1.02	0.91	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	1.82	1.52	-	-	-	-	-
6.0	-	-	-	-	-	1.83	1.56	1.31	1.10	-	-	-
5.0	-	-	-	-	2.12	1.80	1.55	1.34	1.12	0.94	-	-
4.0	-	-	2.95	2.44	2.05	1.76	1.52	1.33	1.13	0.94	0.79	-
3.0	-	-	2.87	2.37	2.01	1.73	1.50	1.33	1.11	0.93	0.78	-
2.0	-	3.56	2.85	2.36	2.00	1.72	1.50	1.29	1.08	0.90	0.76	-
1.0	4.31	3.37	2.74	2.30	1.94	1.66	1.43	1.23	1.03	0.86	0.73	-
0.0	4.25	3.26	2.64	2.18	1.85	1.59	1.36	1.15	0.97	0.83	0.70	-
-1.0	4.25	3.23	2.59	2.14	1.80	1.53	1.29	1.09	0.92	0.79	-	-
-2.0	4.29	3.25	2.60	2.12	1.74	1.46	1.23	1.06	0.91	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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 42

RATED LIFT CAPACITY CHART

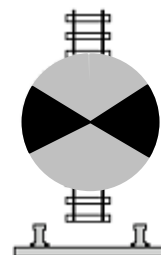
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

Duty	Config	Sector	Osc Axle	Safety
2dL	RAIL	$\pm 60^\circ - \pm 120^\circ$		75%
				
	0 - 50mm			

MINIMUM LOADS

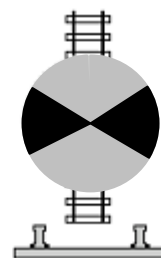
HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.62	2.20	-	-	-	-	-
6.0	-	-	-	-	-	2.63	2.23	1.90	1.63	-	-	-
5.0	-	-	-	-	3.03	2.55	2.18	1.87	1.62	1.41	-	-
4.0	-	-	4.27	3.41	2.85	2.43	2.09	1.81	1.57	1.38	1.21	-
3.0	-	-	4.08	3.22	2.63	2.27	1.97	1.72	1.51	1.33	1.18	-
2.0	-	5.00	3.83	3.04	2.48	2.14	1.87	1.64	1.45	1.29	1.14	-
1.0	5.93a	4.72	3.64	2.91	2.39	2.06	1.80	1.58	1.40	1.25	1.12	-
0.0	6.38	4.64	3.57	2.85	2.38	2.04	1.77	1.55	1.38	1.23	1.10	-
-1.0	6.34	4.62	3.57	2.87	2.39	2.04	1.77	1.55	1.37	1.23	-	-
-2.0	6.41	4.69	3.64	2.94	2.44	2.07	1.79	1.58	1.41	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
2dL	RAIL	$\pm 60^\circ - \pm 120^\circ$		75%
				
	0 - 50mm			

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.63	2.21	-	-	-	-	-
6.0	-	-	-	-	-	2.64	2.26	1.92	1.63	-	-	-
5.0	-	-	-	-	3.06	2.60	2.24	1.95	1.66	1.41	-	-
4.0	-	-	4.33	3.55	2.98	2.55	2.21	1.94	1.67	1.42	1.21	-
3.0	-	-	4.22	3.48	2.93	2.52	2.19	1.94	1.64	1.41	1.20	-
2.0	-	5.31	4.20	3.45	2.91	2.51	2.19	1.89	1.61	1.37	1.18	-
1.0	6.68	5.08	4.08	3.38	2.85	2.44	2.10	1.82	1.55	1.33	1.15	-
0.0	6.60	4.95	3.95	3.25	2.74	2.35	2.03	1.73	1.48	1.29	1.12	-
-1.0	6.60	4.91	3.89	3.19	2.68	2.29	1.94	1.66	1.43	1.24	-	-
-2.0	6.65	4.93	3.91	3.17	2.61	2.20	1.88	1.62	1.41	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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' artic and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	18 of 42

RATED LIFT CAPACITY CHART

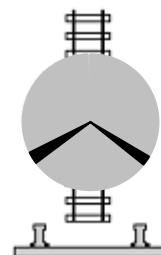
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

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

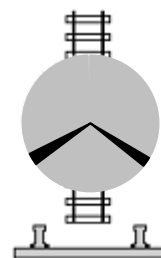
MINIMUM LOADS

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.37	1.98	-	-	-	-	-
6.0	-	-	-	-	-	2.37	2.00	1.71	1.45	-	-	-
5.0	-	-	-	-	2.75	2.30	1.96	1.68	1.45	1.25	-	-
4.0	-	-	3.91	3.10	2.58	2.19	1.88	1.62	1.41	1.23	1.07	-
3.0	-	-	3.73	2.93	2.37	2.04	1.77	1.54	1.35	1.19	1.05	-
2.0	-	4.62	3.50	2.76	2.24	1.92	1.67	1.47	1.30	1.15	1.01	-
1.0	5.93a	4.36	3.32	2.64	2.15	1.85	1.61	1.41	1.25	1.11	0.99	-
0.0	5.98	4.28	3.26	2.58	2.14	1.83	1.58	1.39	1.23	1.09	0.98	-
-1.0	5.95	4.26	3.26	2.61	2.16	1.83	1.58	1.38	1.22	1.09	-	-
-2.0	6.01	4.33	3.32	2.66	2.20	1.86	1.60	1.41	1.26	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.37	1.98	-	-	-	-	-
6.0	-	-	-	-	-	2.38	2.03	1.72	1.46	-	-	-
5.0	-	-	-	-	2.77	2.34	2.02	1.75	1.48	1.26	-	-
4.0	-	-	3.96	3.23	2.70	2.30	1.99	1.74	1.49	1.26	1.08	-
3.0	-	-	3.87	3.16	2.65	2.27	1.97	1.74	1.47	1.25	1.07	-
2.0	-	4.91	3.85	3.14	2.64	2.26	1.97	1.69	1.44	1.22	1.05	-
1.0	6.27	4.69	3.73	3.07	2.58	2.20	1.89	1.63	1.38	1.18	1.02	-
0.0	6.20	4.57	3.61	2.95	2.48	2.12	1.82	1.55	1.32	1.14	0.99	-
-1.0	6.19	4.54	3.56	2.90	2.42	2.06	1.74	1.49	1.27	1.11	-	-
-2.0	6.24	4.56	3.57	2.88	2.36	1.98	1.68	1.45	1.26	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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' artic and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	19 of 42

RATED LIFT CAPACITY CHART

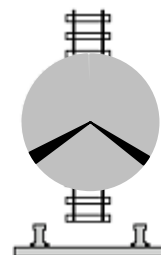
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

Duty	Config	Sector	Osc Axle	Safety
2eL	RAIL	+/- 120° - +/- 130°		90%
				
	0 - 50mm			

MINIMUM LOADS

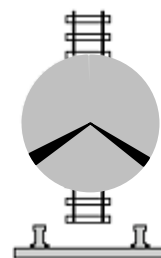
HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.95b	2.47a	-	-	-	-	-
6.0	-	-	-	-	-	2.95b	2.53b	2.65a	2.45a	-	-	-
5.0	-	-	-	-	3.42b	2.91b	2.50b	2.17b	2.42a	2.34	-	-
4.0	-	-	4.78b	3.95b	3.32b	2.85b	2.47b	2.16b	2.16a	2.30	2.00	-
3.0	-	-	4.65b	3.85b	3.26b	2.80b	2.44b	2.16b	2.57	2.24	1.96	-
2.0	-	5.80b	4.63b	3.82b	3.23b	2.79b	2.52b	2.81b	2.49	2.17	1.91	-
1.0	5.93a	5.49a	5.60a	4.90b	4.17b	3.62	3.14	2.76	2.42	2.12	1.87	-
0.0	6.80a	5.79a	5.57a	5.14	4.23	3.59	3.10	2.72	2.38	2.09	1.85	-
-1.0	10.00	8.78	6.55	5.17	4.25	3.59	3.10	2.71	2.37	2.09	-	-
-2.0	10.00	8.88	6.65	5.26	4.31	3.63	3.13	2.75	2.42	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
2eL	RAIL	+/- 120° - +/- 130°		90%
				
	0 - 50mm			

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.21b	2.85a	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	3.20b	3.18	2.73	-	-	-
5.0	-	-	-	-	3.58a	3.57b	3.45b	3.15	2.77a	2.35	-	-
4.0	-	-	5.28b	5.38b	4.75b	4.12	3.56	3.12	2.75	2.36	2.00	-
3.0	-	-	5.99b	5.72	4.76	4.06	3.52	3.09	2.75	2.34	1.99	-
2.0	-	8.48a	7.09	5.70	4.74	4.04	3.51	3.10	2.69	2.30	1.96	-
1.0	9.13a	9.40	7.16b	5.74	4.77	4.07	3.54	3.05	2.62	2.23	1.91	-
0.0	10.00	9.27	7.08	5.69	4.72	4.01	3.44	2.95	2.53	2.17	1.87	-
-1.0	10.00	9.20	7.00	5.60	4.64	3.93	3.32	2.86	2.45	2.11	-	-
-2.0	10.00	9.24	7.02	5.57	4.55	3.81	3.24	2.81	2.42	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



NOTES	Radius/height are given in METRES. Loads are given in TONNES, and assume that the load is suspended vertically below the bucket pin with no other equipment attached. Loads marked 'b' boom and 'a' arm and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	20 of 42

RATED LIFT CAPACITY CHART

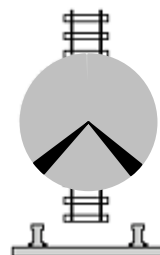
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

Duty	Config	Sector	Osc Axle	Safety
2fU	RAIL	+/- 130° - +/- 140° Over Rear		67%
				
	0 - 50mm			

MINIMUM LOADS

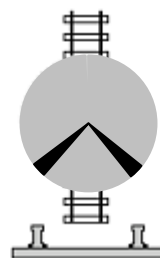
HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.66	2.23	-	-	-	-	-
6.0	-	-	-	-	-	2.67	2.26	1.93	1.65	-	-	-
5.0	-	-	-	-	3.10	2.60	2.21	1.90	1.65	1.43	-	-
4.0	-	-	4.46	3.52	2.93	2.48	2.13	1.84	1.60	1.41	1.23	-
3.0	-	-	4.27	3.34	2.71	2.33	2.02	1.76	1.54	1.36	1.21	-
2.0	-	5.34	4.03	3.18	2.58	2.21	1.92	1.69	1.49	1.32	1.17	-
1.0	5.93a	5.07	3.84	3.05	2.49	2.14	1.86	1.63	1.45	1.29	1.15	-
0.0	6.80a	4.99	3.78	2.99	2.48	2.11	1.83	1.60	1.42	1.27	1.14	-
-1.0	7.03	4.98	3.78	3.01	2.49	2.11	1.83	1.60	1.42	1.27	-	-
-2.0	7.10	5.04	3.85	3.07	2.53	2.14	1.85	1.62	1.45	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
2fU	RAIL	+/- 130° - +/- 140° Over Rear		67%
				
	0 - 50mm			

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.67	2.24	-	-	-	-	-
6.0	-	-	-	-	-	2.68	2.29	1.95	1.65	-	-	-
5.0	-	-	-	-	3.12	2.64	2.27	1.97	1.68	1.44	-	-
4.0	-	-	4.51	3.66	3.05	2.60	2.24	1.96	1.69	1.44	1.24	-
3.0	-	-	4.41	3.59	3.00	2.56	2.22	1.96	1.67	1.43	1.23	-
2.0	-	5.65	4.39	3.57	2.99	2.56	2.22	1.91	1.63	1.40	1.21	-
1.0	7.37	5.43	4.27	3.50	2.93	2.49	2.14	1.85	1.58	1.36	1.18	-
0.0	7.30	5.30	4.14	3.37	2.82	2.41	2.07	1.77	1.52	1.32	1.15	-
-1.0	7.29	5.26	4.09	3.31	2.77	2.35	1.99	1.71	1.47	1.28	-	-
-2.0	7.34	5.28	4.10	3.29	2.70	2.26	1.93	1.67	1.45	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	21 of 42

RATED LIFT CAPACITY CHART

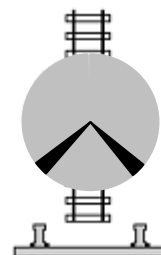
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

Duty	Config	Sector	Osc Axle	Safety
2fL	RAIL	+/- 130° - +/- 140° Over Rear		90%
				
	0 - 50mm			

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.95b	2.47a	-	-	-	-	-
6.0	-	-	-	-	-	2.95b	2.53b	2.65a	2.45a	-	-	-
5.0	-	-	-	-	3.42b	2.91b	2.50b	2.17b	2.42a	2.52a	-	-
4.0	-	-	4.78b	3.95b	3.32b	2.85b	2.47b	2.16b	2.16a	2.61	2.26	-
3.0	-	-	4.65b	3.85b	3.26b	2.80b	2.44b	2.16b	2.77a	2.42a	2.22	-
2.0	-	5.80b	4.63b	3.82b	3.23b	2.79b	2.52b	2.81b	2.62a	2.47	2.17	-
1.0	5.93a	5.49a	5.60a	4.90b	4.17b	3.77b	3.55	2.95a	2.75	2.41	2.13	-
0.0	6.80a	5.79a	5.57a	5.96	4.85	4.09	3.51	3.07	2.71	2.38	2.11	-
-1.0	10.00	10.00	7.72	5.99	4.87	4.09	3.51	3.06	2.70	2.39	-	-
-2.0	10.00	10.00	7.82	6.08	4.94	4.13	3.54	3.09	2.75	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
2fL	RAIL	+/- 130° - +/- 140° Over Rear		90%
				
	0 - 50mm			

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.21b	2.85a	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	3.20b	3.18b	2.75a	-	-	-
5.0	-	-	-	-	3.58a	3.57b	3.45b	3.34b	3.06	2.65	-	-
4.0	-	-	5.28b	5.38b	4.75b	4.25b	3.91b	3.44	3.04	2.65	2.27	-
3.0	-	-	5.99b	6.18b	5.33	4.52	3.89	3.41	3.02	2.63	2.26	-
2.0	-	8.48a	8.09b	6.43	5.31	4.49	3.88	3.40	3.01	2.60	2.23	-
1.0	9.13a	10.00	8.20	6.48	5.34	4.52	3.92	3.41	2.94	2.53	2.18	-
0.0	10.00	10.00	8.30	6.55	5.38	4.53	3.87	3.31	2.85	2.47	2.13	-
-1.0	10.00	10.00	8.21	6.46	5.29	4.44	3.74	3.22	2.78	2.41	-	-
-2.0	10.00	10.00	8.24	6.43	5.19	4.31	3.66	3.16	2.75	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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 42

RATED LIFT CAPACITY CHART

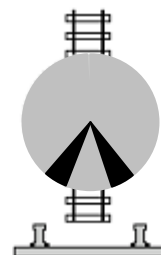
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

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

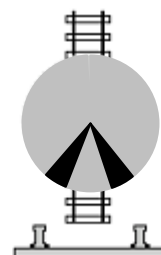
MINIMUM LOADS

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.95b	2.47a	-	-	-	-	-
6.0	-	-	-	-	-	2.95b	2.53b	2.40	2.07	-	-	-
5.0	-	-	-	-	3.42b	2.91b	2.50b	2.17b	2.06	1.81	-	-
4.0	-	-	4.78b	3.95b	3.32b	2.85b	2.47b	2.16b	2.02	1.78	1.58	-
3.0	-	-	4.65b	3.85b	3.26b	2.80b	2.44b	2.16b	1.96	1.74	1.55	-
2.0	-	5.80b	4.63b	3.82b	3.23b	2.79b	2.44	2.15	1.90	1.70	1.52	-
1.0	5.93a	5.49a	4.90	3.89	3.18	2.73	2.38	2.09	1.86	1.66	1.49	-
0.0	6.80a	5.79a	4.83	3.83	3.17	2.71	2.35	2.06	1.83	1.64	1.48	-
-1.0	9.15	6.39	4.83	3.85	3.19	2.71	2.34	2.06	1.83	1.64	-	-
-2.0	9.22	6.46	4.90	3.91	3.23	2.74	2.37	2.08	1.86	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.21b	2.76	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	2.80	2.41	2.07	-	-	-
5.0	-	-	-	-	3.58a	3.23	2.78	2.43	2.10	1.81	-	-
4.0	-	-	5.28b	4.47	3.72	3.18b	2.75	2.41	2.11	1.82	1.58	-
3.0	-	-	5.40	4.38	3.67	3.13	2.73	2.40	2.08	1.81	1.57	-
2.0	-	6.99	5.39	4.36	3.65	3.12	2.73	2.38	2.05	1.78	1.55	-
1.0	9.13a	6.86	5.35	4.35	3.63	3.10	2.67	2.32	1.99	1.73	1.52	-
0.0	9.43	6.73	5.21	4.22	3.53	3.01	2.60	2.23	1.93	1.69	1.49	-
-1.0	9.43	6.69	5.16	4.16	3.47	2.95	2.51	2.17	1.88	1.66	-	-
-2.0	9.48	6.71	5.17	4.14	3.40	2.86	2.45	2.13	1.86	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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 42

RATED LIFT CAPACITY CHART

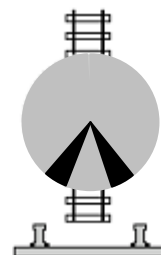
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

Duty	Config	Sector	Osc Axle	Safety
2gL	RAIL	+/- 140° - +/- 160° Over Rear		90%
				
	0 - 50mm			

MINIMUM LOADS

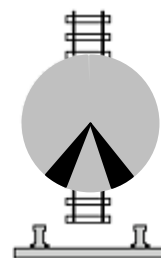
HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.95b	2.47a	-	-	-	-	-
6.0	-	-	-	-	-	2.95b	2.53b	2.65a	2.45a	-	-	-
5.0	-	-	-	-	3.42b	2.91b	2.50b	2.17b	2.42a	2.52a	-	-
4.0	-	-	4.78b	3.95b	3.32b	2.85b	2.47b	2.16b	2.16a	2.64a	2.53a	-
3.0	-	-	4.65b	3.85b	3.26b	2.80b	2.44b	2.16b	2.77a	2.42a	2.28a	-
2.0	-	5.80b	4.63b	3.82b	3.23b	2.79b	2.52b	2.81b	2.62a	2.65a	2.36a	-
1.0	5.93a	5.49a	5.60a	4.90b	4.17b	3.77b	3.65b	2.95a	3.07a	3.03	2.71	-
0.0	6.80a	5.79a	5.57a	6.37a	5.80b	5.12b	4.43	3.68a	3.38	3.00	2.69	-
-1.0	10.00	10.00	8.47b	7.21b	6.28	5.14a	4.42	3.83	3.37	3.01	-	-
-2.0	10.00	10.00	8.55b	7.08b	6.02b	5.22b	4.46	3.87	3.42	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
2gL	RAIL	+/- 140° - +/- 160° Over Rear		90%
				
	0 - 50mm			

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.21b	2.85a	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	3.20b	3.18b	2.75a	-	-	-
5.0	-	-	-	-	3.58a	3.57b	3.45b	3.34b	3.28b	2.99a	-	-
4.0	-	-	5.28b	5.38b	4.75b	4.25b	3.91b	3.69b	3.54b	3.23b	2.82a	-
3.0	-	-	5.99b	6.18b	6.03b	5.14b	4.59b	4.09b	3.61	3.22b	2.82	-
2.0	-	8.48a	8.09b	7.49b	6.50b	5.45	4.67	4.08b	3.60	3.18	2.79	-
1.0	9.13a	10.00	9.52b	8.07	6.53	5.47	4.69	4.10b	3.61	3.14	2.74	-
0.0	10.00	10.00	10.00	8.16b	6.62	5.56	4.80	4.08	3.53	3.08	2.71	-
-1.0	10.00	10.00	10.00	8.32	6.74	5.56	4.68	4.00	3.45	3.02	-	-
-2.0	10.00	10.00	10.00	8.36	6.63	5.45	4.59	3.94	3.42	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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 42

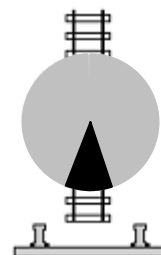
RATED LIFT CAPACITY CHART

RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

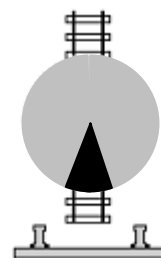
Duty	Config	Sector	Osc Axle	Safety
2hU	RAIL	+/- 20° Over Rear		67%
				
	0 - 50mm			

		RADIUS										
		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00
MINIMUM LOADS	HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	2.95b	2.47a	-	-	-	-
		6.0	-	-	-	-	2.95b	2.53b	2.65a	2.45a	-	-
		5.0	-	-	-	3.42b	2.91b	2.50b	2.17b	2.42a	2.52a	-
		4.0	-	-	4.78b	3.95b	3.32b	2.85b	2.47b	2.16b	2.16a	2.64a
		3.0	-	-	4.65b	3.85b	3.26b	2.80b	2.44b	2.16b	2.77a	2.42a
		2.0	-	5.80b	4.63b	3.82b	3.23b	2.79b	2.52b	2.81b	2.62a	2.65a
		1.0	5.93a	5.49a	5.60a	4.90b	4.17b	3.77b	3.65b	2.95a	3.07a	2.94
		0.0	6.80a	5.79a	5.57a	5.76	4.98	4.39	3.91	3.52	3.19	2.92
		-1.0	10.00	8.38	6.86	5.78	4.99	4.39	3.91	3.52	3.19	2.92
		-2.0	10.00	8.43	6.91	5.83	5.03	4.41	3.93	3.54	3.22	-
		-3.0	-	-	-	-	-	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-



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

		RADIUS										
		2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00
MAXIMUM LOADS	HEIGHT	8.0	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	3.21b	2.85a	-	-	-	-
		6.0	-	-	-	-	3.13b	3.20b	3.18b	2.75a	-	-
		5.0	-	-	-	3.58a	3.57b	3.45b	3.34b	3.28b	2.99a	-
		4.0	-	-	5.28b	5.38b	4.75b	4.25b	3.91b	3.69b	3.37	3.07
		3.0	-	-	5.99b	6.07	5.26	4.62	4.12	3.70	3.36	3.06
		2.0	-	8.48a	7.15	6.05	5.24	4.61	4.10	3.70b	3.36	3.03
		1.0	9.13a	8.72	7.18	6.08	5.26	4.63	4.12	3.72	3.33	3.00
		0.0	10.00	8.63	7.15	6.08	5.27	4.64	4.12	3.67	3.28	2.97
		-1.0	10.00	8.60	7.10	6.03	5.23	4.59	4.05	3.61	3.24	2.93
		-2.0	10.00	8.61	7.12	6.01	5.17	4.52	4.00	3.58	3.22	-
		-3.0	-	-	-	-	-	-	-	-	-	-
		-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	25 of 42

RATED LIFT CAPACITY CHART

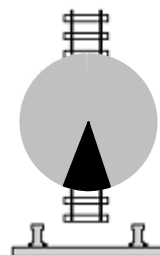
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

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

MINIMUM LOADS

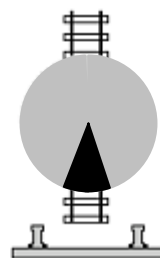
HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.95b	2.47a	-	-	-	-	-
6.0	-	-	-	-	-	2.95b	2.53b	2.65a	2.45a	-	-	-
5.0	-	-	-	-	3.42b	2.91b	2.50b	2.17b	2.42a	2.52a	-	-
4.0	-	-	4.78b	3.95b	3.32b	2.85b	2.47b	2.16b	2.16a	2.64a	2.53a	-
3.0	-	-	4.65b	3.85b	3.26b	2.80b	2.44b	2.16b	2.77a	2.42a	2.28a	-
2.0	-	5.80b	4.63b	3.82b	3.23b	2.79b	2.52b	2.81b	2.62a	2.65a	2.36a	-
1.0	5.93a	5.49a	5.60a	4.90b	4.17b	3.77b	3.65b	2.95a	3.07a	3.18a	2.73a	-
0.0	6.80a	5.79a	5.57a	6.37a	5.80b	5.12b	4.44a	3.68a	3.68a	3.09a	2.83a	-
-1.0	10.00	10.00	8.47b	7.21b	6.52b	5.14a	5.02a	4.09a	4.28b	3.85a	-	-
-2.0	10.00	10.00	8.55b	7.08b	6.02b	5.22b	4.74b	4.24b	3.72b	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



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

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.21b	2.85a	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	3.20b	3.18b	2.75a	-	-	-
5.0	-	-	-	-	3.58a	3.57b	3.45b	3.34b	3.28b	2.99a	-	-
4.0	-	-	5.28b	5.38b	4.75b	4.25b	3.91b	3.69b	3.54b	3.39b	2.82a	-
3.0	-	-	5.99b	6.18b	6.03b	5.14b	4.59b	4.18b	3.88b	3.64b	3.46b	-
2.0	-	8.48a	8.09b	7.49b	6.84b	5.90b	5.15b	4.60b	4.18b	3.87b	3.63b	-
1.0	9.13a	10.00	9.52b	8.34b	7.20b	6.24b	5.48b	4.89b	4.42b	4.04b	3.73b	-
0.0	10.00	10.00	10.00	8.50b	7.24b	6.30b	5.56b	4.97b	4.49b	4.11b	3.69b	-
-1.0	10.00	10.00	10.00	8.59b	7.33b	6.38b	5.64b	5.07b	4.51b	3.88b	-	-
-2.0	10.00	10.00	10.00	8.76b	7.45b	6.39b	5.49b	4.60b	3.72b	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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 42

RATED LIFT CAPACITY CHART

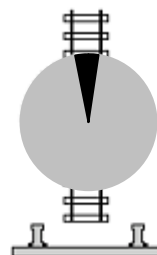
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

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

MINIMUM LOADS

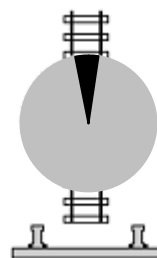
HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.77	2.38	-	-	-	-	-
6.0	-	-	-	-	-	2.77	2.40	2.10	1.83	-	-	-
5.0	-	-	-	-	3.15	2.71	2.36	2.07	1.83	1.62	-	-
4.0	-	-	4.26	3.51	3.01	2.61	2.29	2.02	1.79	1.60	1.42	-
3.0	-	-	4.11	3.37	2.83	2.48	2.19	1.95	1.74	1.56	1.40	-
2.0	-	4.89	3.92	3.23	2.71	2.37	2.11	1.88	1.69	1.52	1.37	-
1.0	5.93a	4.69	3.77	3.12	2.64	2.31	2.05	1.83	1.65	1.49	1.35	-
0.0	5.99	4.62	3.71	3.07	2.63	2.29	2.03	1.81	1.63	1.47	1.34	-
-1.0	5.96	4.61	3.72	3.09	2.64	2.29	2.02	1.80	1.62	1.47	-	-
-2.0	6.01	4.66	3.77	3.14	2.67	2.32	2.04	1.82	1.65	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



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

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.78	2.38	-	-	-	-	-
6.0	-	-	-	-	-	2.78	2.43	2.11	1.84	-	-	-
5.0	-	-	-	-	3.17	2.75	2.42	2.14	1.86	1.62	-	-
4.0	-	-	4.30	3.63	3.11	2.71	2.39	2.13	1.87	1.63	1.43	-
3.0	-	-	4.22	3.57	3.07	2.68	2.37	2.13	1.85	1.62	1.42	-
2.0	-	5.13	4.21	3.55	3.06	2.68	2.37	2.08	1.82	1.59	1.40	-
1.0	6.20	4.96	4.11	3.49	3.01	2.62	2.30	2.03	1.77	1.55	1.37	-
0.0	6.15	4.86	4.01	3.39	2.92	2.55	2.24	1.96	1.71	1.52	1.35	-
-1.0	6.15	4.83	3.96	3.34	2.87	2.50	2.16	1.90	1.67	1.48	-	-
-2.0	6.18	4.85	3.98	3.32	2.82	2.42	2.11	1.87	1.65	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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 42

RATED LIFT CAPACITY CHART

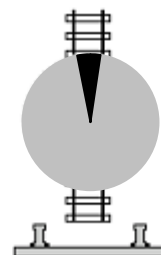
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

Duty	Config	Sector	Osc Axle	Safety
3aL	RAIL  50 - 150mm	+/- 10° Over Front		75%

MINIMUM LOADS

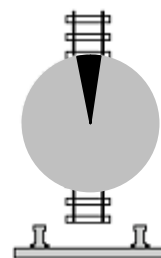
HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.95b	2.47a	-	-	-	-	-
6.0	-	-	-	-	-	2.95b	2.53b	2.65a	2.45a	-	-	-
5.0	-	-	-	-	3.42b	2.91b	2.50b	2.17b	2.42a	2.36	-	-
4.0	-	-	4.78b	3.95b	3.32b	2.85b	2.47b	2.16b	2.16a	2.33	2.09	-
3.0	-	-	4.65b	3.85b	3.26b	2.80b	2.44b	2.16b	2.54	2.28	2.06	-
2.0	-	5.80b	4.63b	3.82b	3.23b	2.79b	2.52b	2.76	2.48	2.24	2.03	-
1.0	5.93a	5.49a	5.60a	4.63	3.91	3.42	3.03	2.70	2.44	2.20	2.00	-
0.0	6.80a	5.79a	5.55	4.58	3.90	3.40	3.00	2.68	2.41	2.18	1.99	-
-1.0	9.12	6.94	5.55	4.60	3.91	3.40	3.00	2.67	2.40	2.19	-	-
-2.0	9.18	7.00	5.61	4.65	3.96	3.43	3.02	2.70	2.44	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
3aL	RAIL  50 - 150mm	+/- 10° Over Front		75%

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.21b	2.85a	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	3.20b	3.02	2.65	-	-	-
5.0	-	-	-	-	3.58a	3.57b	3.39	3.01	2.68	2.36	-	-
4.0	-	-	5.28b	5.12	4.38	3.81b	3.35	2.98	2.67b	2.36	2.09	-
3.0	-	-	5.99b	5.04	4.32	3.76	3.32	2.96	2.66	2.35	2.09	-
2.0	-	7.43	6.00	5.02	4.31	3.75	3.32	2.97	2.62	2.32	2.07	-
1.0	9.13a	7.36	6.02	5.05	4.33	3.77	3.32	2.93	2.57	2.28	2.03	-
0.0	9.35	7.24	5.90	4.95	4.24	3.70	3.25	2.85	2.51	2.24	2.00	-
-1.0	9.34	7.21	5.85	4.89	4.19	3.64	3.16	2.78	2.46	2.20	-	-
-2.0	9.39	7.23	5.86	4.87	4.12	3.55	3.10	2.74	2.44	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	28 of 42

RATED LIFT CAPACITY CHART

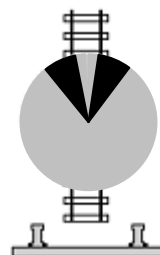
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

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

MINIMUM LOADS

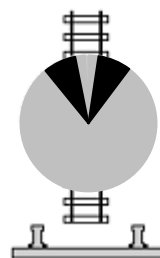
HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	1.98	1.67	-	-	-	-	-
6.0	-	-	-	-	-	1.98	1.69	1.45	1.24	-	-	-
5.0	-	-	-	-	2.26	1.92	1.65	1.42	1.23	1.07	-	-
4.0	-	-	3.07	2.49	2.12	1.82	1.57	1.37	1.19	1.05	0.91	-
3.0	-	-	2.92	2.35	1.93	1.69	1.48	1.30	1.14	1.01	0.89	-
2.0	-	3.46	2.73	2.21	1.82	1.58	1.39	1.23	1.09	0.97	0.86	-
1.0	4.28	3.26	2.58	2.10	1.74	1.52	1.34	1.18	1.05	0.94	0.84	-
0.0	4.20	3.20	2.52	2.05	1.73	1.50	1.31	1.16	1.03	0.92	0.83	-
-1.0	4.18	3.18	2.53	2.07	1.74	1.50	1.31	1.15	1.03	0.92	-	-
-2.0	4.23	3.23	2.58	2.12	1.78	1.52	1.33	1.18	1.06	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



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

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	1.98	1.67	-	-	-	-	-
6.0	-	-	-	-	-	1.99	1.71	1.46	1.24	-	-	-
5.0	-	-	-	-	2.28	1.96	1.70	1.49	1.26	1.07	-	-
4.0	-	-	3.11	2.61	2.22	1.92	1.68	1.48	1.27	1.08	0.92	-
3.0	-	-	3.03	2.55	2.18	1.89	1.66	1.48	1.25	1.07	0.91	-
2.0	-	3.70	3.01	2.53	2.16	1.88	1.66	1.43	1.22	1.04	0.89	-
1.0	4.41	3.53	2.92	2.47	2.11	1.83	1.59	1.38	1.17	1.00	0.86	-
0.0	4.36	3.43	2.82	2.37	2.03	1.76	1.53	1.31	1.12	0.97	0.84	-
-1.0	4.36	3.40	2.77	2.32	1.98	1.71	1.45	1.25	1.07	0.93	-	-
-2.0	4.39	3.42	2.79	2.30	1.92	1.63	1.40	1.22	1.06	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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 42

RATED LIFT CAPACITY CHART

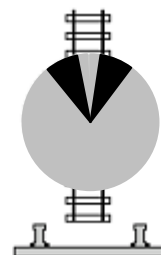
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

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

MINIMUM LOADS

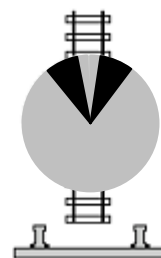
HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.95b	2.47a	-	-	-	-	-
6.0	-	-	-	-	-	2.95b	2.53b	2.62	2.17	-	-	-
5.0	-	-	-	-	3.42b	2.91b	2.50b	2.17b	2.16	1.81	-	-
4.0	-	-	4.78b	3.95b	3.32b	2.85b	2.47b	2.16b	2.09	1.77	1.50	-
3.0	-	-	4.65b	3.85b	3.26b	2.80b	2.44b	2.16b	1.99	1.70	1.46	-
2.0	-	5.80b	4.63b	3.82b	3.23b	2.79b	2.52b	2.22	1.91	1.64	1.40	-
1.0	5.93a	5.49a	5.60a	4.39	3.49	2.94	2.50	2.13	1.83	1.58	1.36	-
0.0	6.80a	5.79a	5.57a	4.31	3.48	2.91	2.46	2.09	1.79	1.55	1.35	-
-1.0	10.00	7.87	5.65	4.34	3.50	2.91	2.45	2.08	1.79	1.55	-	-
-2.0	10.00	7.99	5.76	4.43	3.56	2.95	2.49	2.12	1.84	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



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

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.21b	2.85a	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	3.12	2.64	2.17	-	-	-
5.0	-	-	-	-	3.58a	3.57b	3.08	2.65	2.21	1.82	-	-
4.0	-	-	5.28b	5.17	4.23	3.55	3.03	2.62	2.22	1.83	1.50	-
3.0	-	-	5.99b	5.05	4.15	3.49	2.99	2.60	2.19	1.81	1.49	-
2.0	-	8.48a	6.36	5.02	4.12	3.47	2.99	2.59	2.14	1.76	1.46	-
1.0	9.13a	8.64	6.42	5.06	4.16	3.48	2.94	2.49	2.05	1.69	1.41	-
0.0	10.00	8.43	6.24	4.90	4.00	3.35	2.84	2.36	1.95	1.63	1.37	-
-1.0	10.00	8.36	6.15	4.81	3.92	3.26	2.71	2.25	1.87	1.57	-	-
-2.0	10.00	8.40	6.17	4.78	3.82	3.14	2.62	2.19	1.84	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	30 of 42

RATED LIFT CAPACITY CHART

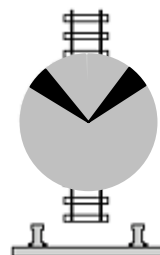
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

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

MINIMUM LOADS

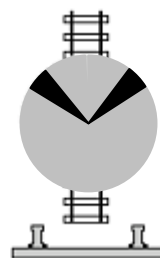
HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	1.87	1.54	-	-	-	-	-
6.0	-	-	-	-	-	1.87	1.56	1.32	1.11	-	-	-
5.0	-	-	-	-	2.17	1.80	1.52	1.29	1.10	0.94	-	-
4.0	-	-	3.07	2.42	2.01	1.69	1.44	1.23	1.06	0.91	0.78	-
3.0	-	-	2.89	2.25	1.80	1.55	1.34	1.16	1.00	0.87	0.76	-
2.0	-	3.53	2.67	2.09	1.67	1.43	1.25	1.09	0.95	0.83	0.72	-
1.0	4.58	3.29	2.50	1.97	1.59	1.37	1.18	1.03	0.91	0.80	0.70	-
0.0	4.48	3.21	2.43	1.92	1.58	1.34	1.16	1.01	0.88	0.78	0.69	-
-1.0	4.45	3.20	2.44	1.94	1.59	1.34	1.15	1.00	0.88	0.78	-	-
-2.0	4.51	3.26	2.50	1.99	1.63	1.37	1.18	1.02	0.91	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



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

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	1.87	1.55	-	-	-	-	-
6.0	-	-	-	-	-	1.88	1.59	1.33	1.11	-	-	-
5.0	-	-	-	-	2.19	1.85	1.58	1.36	1.13	0.94	-	-
4.0	-	-	3.11	2.54	2.12	1.80	1.55	1.35	1.14	0.95	0.78	-
3.0	-	-	3.02	2.47	2.08	1.77	1.53	1.35	1.12	0.94	0.78	-
2.0	-	3.81	3.00	2.45	2.06	1.76	1.53	1.30	1.09	0.91	0.76	-
1.0	4.74	3.61	2.89	2.39	2.00	1.70	1.46	1.24	1.03	0.86	0.73	-
0.0	4.68	3.50	2.77	2.27	1.91	1.63	1.39	1.17	0.98	0.83	0.70	-
-1.0	4.68	3.46	2.72	2.22	1.85	1.57	1.31	1.10	0.93	0.79	-	-
-2.0	4.72	3.48	2.74	2.20	1.79	1.49	1.25	1.07	0.91	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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	31 of 42

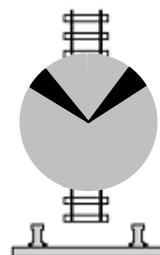
RATED LIFT CAPACITY CHART

RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

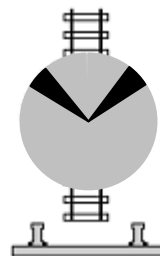
Duty	Config	Sector	Osc Axle	Safety
3cL	RAIL  50 - 150mm	+/- 40° - +/- 60°		90%

		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	-	-	-	-	-	-	-	-	-	-
	HEIGHT	7.0	-	-	-	-	2.95b	2.47a	-	-	-	-
	HEIGHT	6.0	-	-	-	-	2.95b	2.53b	2.25	1.85	-	-
	HEIGHT	5.0	-	-	-	3.42b	2.91b	2.50b	2.17b	1.85	1.54	-
	HEIGHT	4.0	-	-	4.78b	3.95b	3.32b	2.85b	2.47b	2.11	1.78	1.50
	HEIGHT	3.0	-	-	4.65b	3.85b	3.26b	2.79	2.35	1.99	1.69	1.43
	HEIGHT	2.0	-	5.80b	4.63b	3.82b	3.08	2.60	2.20	1.87	1.60	1.37
	HEIGHT	1.0	5.93a	5.49a	4.77	3.69	2.96	2.49	2.10	1.79	1.53	1.32
	HEIGHT	0.0	6.80a	5.79a	4.67	3.61	2.94	2.45	2.06	1.75	1.49	1.28
	HEIGHT	-1.0	9.43	6.35	4.68	3.64	2.96	2.45	2.05	1.74	1.49	1.29
	HEIGHT	-2.0	9.54	6.45	4.77	3.73	3.02	2.50	2.09	1.78	1.54	-
	HEIGHT	-3.0	-	-	-	-	-	-	-	-	-	-
	HEIGHT	-4.0	-	-	-	-	-	-	-	-	-	-



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

		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	-	-	-	-	-	-	-	-	-	-
	HEIGHT	7.0	-	-	-	-	3.21b	2.69	-	-	-	-
	HEIGHT	6.0	-	-	-	-	3.13b	2.75	2.28	1.86	-	-
	HEIGHT	5.0	-	-	-	3.58a	3.19	2.72	2.31	1.90	1.55	-
	HEIGHT	4.0	-	-	5.28b	4.49	3.70	3.13	2.68	2.29	1.91	1.55
	HEIGHT	3.0	-	-	5.47	4.38	3.63	3.07	2.64	2.28	1.87	1.54
	HEIGHT	2.0	-	7.17b	5.45	4.35	3.61	3.06	2.65	2.23	1.83	1.49
	HEIGHT	1.0	9.13a	7.03	5.39	4.34	3.58	3.01	2.55	2.13	1.74	1.42
	HEIGHT	0.0	9.85	6.84	5.21	4.16	3.43	2.90	2.44	2.01	1.65	1.37
	HEIGHT	-1.0	9.84	6.78	5.13	4.08	3.35	2.81	2.30	1.90	1.57	1.31
	HEIGHT	-2.0	9.92	6.81	5.15	4.04	3.26	2.69	2.21	1.85	1.54	-
	HEIGHT	-3.0	-	-	-	-	-	-	-	-	-	-
	HEIGHT	-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	32 of 42

RATED LIFT CAPACITY CHART

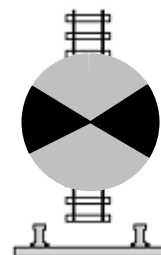
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

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

MINIMUM LOADS

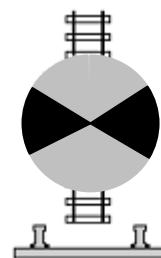
HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	1.51	1.25	-	-	-	-	-
6.0	-	-	-	-	-	1.52	1.27	1.07	0.89	-	-	-
5.0	-	-	-	-	1.74	1.46	1.23	1.04	0.89	0.75	-	-
4.0	-	-	2.38	1.90	1.60	1.36	1.16	0.99	0.85	0.73	0.62	-
3.0	-	-	2.23	1.75	1.41	1.23	1.06	0.92	0.79	0.69	0.58	-
2.0	-	2.63	2.03	1.61	1.30	1.12	0.98	0.85	0.75	0.65	0.54	-
1.0	3.24	2.42	1.88	1.50	1.22	1.06	0.92	0.80	0.71	0.62	0.51	-
0.0	3.16	2.36	1.83	1.46	1.21	1.04	0.90	0.78	0.68	0.59	0.49	-
-1.0	3.14	2.35	1.83	1.48	1.22	1.04	0.89	0.78	0.68	0.60	-	-
-2.0	3.19	2.40	1.89	1.52	1.26	1.06	0.91	0.80	0.71	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



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

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	1.52	1.25	-	-	-	-	-
6.0	-	-	-	-	-	1.52	1.30	1.08	0.89	-	-	-
5.0	-	-	-	-	1.76	1.49	1.28	1.11	0.92	0.75	-	-
4.0	-	-	2.42	2.01	1.70	1.46	1.26	1.10	0.92	0.76	0.62	-
3.0	-	-	2.34	1.95	1.66	1.43	1.24	1.10	0.90	0.75	0.61	-
2.0	-	2.87	2.32	1.93	1.64	1.42	1.24	1.06	0.87	0.72	0.59	-
1.0	3.37	2.69	2.23	1.88	1.59	1.37	1.17	1.00	0.83	0.68	0.55	-
0.0	3.32	2.60	2.12	1.77	1.50	1.29	1.11	0.93	0.77	0.65	0.51	-
-1.0	3.32	2.57	2.08	1.72	1.46	1.24	1.03	0.87	0.73	0.61	-	-
-2.0	3.35	2.58	2.09	1.71	1.40	1.17	0.98	0.84	0.71	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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 42

RATED LIFT CAPACITY CHART

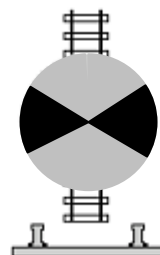
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

Duty	Config	Sector	Osc Axle	Safety
3dL	RAIL  50 - 150mm	+/- 60° - +/- 120°		75%

MINIMUM LOADS

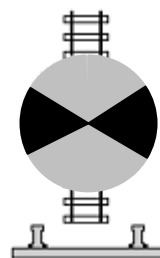
HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.23	1.89	-	-	-	-	-
6.0	-	-	-	-	-	2.24	1.91	1.64	1.40	-	-	-
5.0	-	-	-	-	2.55	2.17	1.86	1.61	1.40	1.21	-	-
4.0	-	-	3.47	2.82	2.39	2.06	1.78	1.55	1.35	1.19	1.04	-
3.0	-	-	3.30	2.65	2.19	1.91	1.67	1.47	1.29	1.14	1.01	-
2.0	-	3.91	3.08	2.49	2.06	1.79	1.58	1.40	1.24	1.10	0.98	-
1.0	4.84	3.68	2.92	2.37	1.97	1.72	1.51	1.34	1.19	1.06	0.95	-
0.0	4.75	3.61	2.85	2.32	1.96	1.70	1.49	1.31	1.17	1.04	0.94	-
-1.0	4.72	3.60	2.86	2.34	1.97	1.70	1.48	1.31	1.16	1.05	-	-
-2.0	4.78	3.66	2.92	2.40	2.02	1.73	1.51	1.33	1.20	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
3dL	RAIL  50 - 150mm	+/- 60° - +/- 120°		75%

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.24	1.89	-	-	-	-	-
6.0	-	-	-	-	-	2.24	1.94	1.65	1.40	-	-	-
5.0	-	-	-	-	2.57	2.21	1.92	1.68	1.43	1.22	-	-
4.0	-	-	3.51	2.94	2.51	2.17	1.90	1.67	1.44	1.22	1.04	-
3.0	-	-	3.42	2.88	2.46	2.14	1.88	1.67	1.41	1.21	1.03	-
2.0	-	4.18	3.40	2.86	2.45	2.13	1.87	1.62	1.38	1.18	1.01	-
1.0	4.99	3.99	3.30	2.79	2.39	2.07	1.79	1.56	1.33	1.13	0.98	-
0.0	4.93	3.88	3.18	2.68	2.29	1.99	1.73	1.48	1.27	1.10	0.95	-
-1.0	4.93	3.84	3.14	2.62	2.24	1.93	1.64	1.41	1.22	1.06	-	-
-2.0	4.96	3.86	3.15	2.60	2.18	1.85	1.58	1.38	1.20	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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 42

RATED LIFT CAPACITY CHART

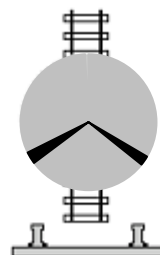
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

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

MINIMUM LOADS

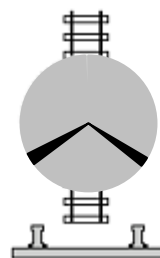
HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	1.98	1.65	-	-	-	-	-
6.0	-	-	-	-	-	1.99	1.67	1.41	1.19	-	-	-
5.0	-	-	-	-	2.30	1.92	1.62	1.39	1.19	1.01	-	-
4.0	-	-	3.25	2.57	2.14	1.81	1.55	1.33	1.14	0.99	0.85	-
3.0	-	-	3.08	2.40	1.94	1.67	1.44	1.25	1.09	0.95	0.83	-
2.0	-	3.76	2.85	2.24	1.81	1.55	1.35	1.18	1.04	0.91	0.80	-
1.0	4.88	3.51	2.68	2.12	1.72	1.48	1.29	1.13	0.99	0.87	0.77	-
0.0	4.78	3.44	2.62	2.07	1.71	1.46	1.26	1.10	0.97	0.85	0.76	-
-1.0	4.74	3.43	2.62	2.09	1.73	1.46	1.26	1.10	0.96	0.86	-	-
-2.0	4.81	3.49	2.68	2.15	1.77	1.49	1.28	1.12	1.00	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



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

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	1.99	1.65	-	-	-	-	-
6.0	-	-	-	-	-	2.00	1.70	1.43	1.19	-	-	-
5.0	-	-	-	-	2.32	1.96	1.68	1.45	1.22	1.02	-	-
4.0	-	-	3.30	2.70	2.26	1.92	1.66	1.45	1.22	1.02	0.86	-
3.0	-	-	3.21	2.63	2.21	1.89	1.64	1.44	1.20	1.01	0.85	-
2.0	-	4.04	3.18	2.61	2.19	1.88	1.64	1.40	1.17	0.98	0.83	-
1.0	5.04	3.84	3.08	2.54	2.14	1.82	1.56	1.34	1.12	0.94	0.80	-
0.0	4.98	3.72	2.96	2.43	2.04	1.74	1.49	1.26	1.06	0.91	0.77	-
-1.0	4.97	3.69	2.91	2.37	1.99	1.69	1.41	1.20	1.01	0.87	-	-
-2.0	5.02	3.71	2.92	2.35	1.92	1.60	1.36	1.16	1.00	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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	35 of 42

RATED LIFT CAPACITY CHART

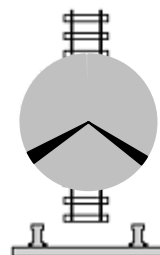
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

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

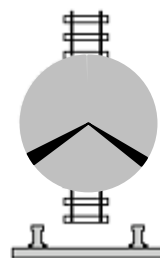
MINIMUM LOADS

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.95b	2.47a	-	-	-	-	-
6.0	-	-	-	-	-	2.95b	2.53b	2.52	2.10	-	-	-
5.0	-	-	-	-	3.42b	2.91b	2.50b	2.17b	2.10	1.77	-	-
4.0	-	-	4.78b	3.95b	3.32b	2.85b	2.47b	2.16b	2.03	1.73	1.48	-
3.0	-	-	4.65b	3.85b	3.26b	2.80b	2.44b	2.16b	1.94	1.67	1.44	-
2.0	-	5.80b	4.63b	3.82b	3.23b	2.79b	2.50	2.15	1.86	1.61	1.39	-
1.0	5.93a	5.49a	5.16	4.05	3.29	2.81	2.40	2.07	1.79	1.55	1.35	-
0.0	6.80a	5.79a	5.07	3.98	3.27	2.77	2.36	2.02	1.75	1.52	1.33	-
-1.0	9.77	6.77	5.07	4.01	3.29	2.78	2.36	2.02	1.74	1.53	-	-
-2.0	9.88	6.86	5.17	4.09	3.35	2.81	2.39	2.05	1.80	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.21b	2.85a	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	2.99	2.54	2.11	-	-	-
5.0	-	-	-	-	3.58a	3.45	2.96	2.55	2.15	1.78	-	-
4.0	-	-	5.28b	4.79b	3.98	3.38	2.91	2.53	2.16a	1.79	1.48	-
3.0	-	-	5.78	4.69b	3.90	3.33	2.88	2.51	2.12	1.77	1.47	-
2.0	-	7.50	5.77	4.66b	3.88	3.31	2.87	2.50	2.08	1.73	1.44	-
1.0	9.13a	7.41	5.76	4.68	3.89	3.30	2.82	2.40	1.99	1.66	1.39	-
0.0	10.00	7.23	5.58	4.50	3.75	3.18	2.73	2.28	1.90	1.60	1.35	-
-1.0	10.00	7.17	5.51	4.43	3.67	3.10	2.60	2.18	1.82	1.55	-	-
-2.0	10.00	7.20	5.53	4.40	3.58	2.98	2.51	2.12	1.80	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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	36 of 42

RATED LIFT CAPACITY CHART

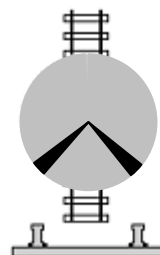
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

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

MINIMUM LOADS

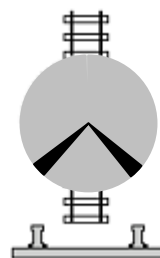
HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.17	1.82	-	-	-	-	-
6.0	-	-	-	-	-	2.18	1.84	1.57	1.33	-	-	-
5.0	-	-	-	-	2.52	2.11	1.79	1.54	1.32	1.14	-	-
4.0	-	-	3.55	2.82	2.36	2.00	1.71	1.48	1.28	1.12	0.97	-
3.0	-	-	3.38	2.65	2.15	1.86	1.61	1.40	1.23	1.08	0.95	-
2.0	-	4.13	3.15	2.50	2.02	1.74	1.52	1.33	1.17	1.04	0.91	-
1.0	5.36	3.89	2.98	2.37	1.94	1.67	1.46	1.28	1.13	1.00	0.89	-
0.0	5.27	3.81	2.92	2.32	1.93	1.65	1.43	1.25	1.11	0.98	0.88	-
-1.0	5.23	3.80	2.92	2.34	1.94	1.65	1.43	1.25	1.10	0.99	-	-
-2.0	5.29	3.86	2.98	2.40	1.98	1.68	1.45	1.27	1.13	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



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

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.18	1.82	-	-	-	-	-
6.0	-	-	-	-	-	2.19	1.87	1.58	1.33	-	-	-
5.0	-	-	-	-	2.54	2.15	1.85	1.61	1.36	1.15	-	-
4.0	-	-	3.60	2.95	2.47	2.11	1.83	1.60	1.36	1.15	0.98	-
3.0	-	-	3.51	2.88	2.42	2.08	1.81	1.60	1.34	1.14	0.97	-
2.0	-	4.41	3.49	2.86	2.41	2.07	1.81	1.55	1.31	1.11	0.95	-
1.0	5.53	4.21	3.38	2.80	2.35	2.01	1.73	1.49	1.26	1.07	0.92	-
0.0	5.46	4.09	3.26	2.68	2.26	1.93	1.66	1.41	1.20	1.03	0.89	-
-1.0	5.46	4.06	3.21	2.62	2.20	1.88	1.58	1.35	1.15	1.00	-	-
-2.0	5.50	4.08	3.22	2.60	2.14	1.79	1.53	1.32	1.13	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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 42

RATED LIFT CAPACITY CHART

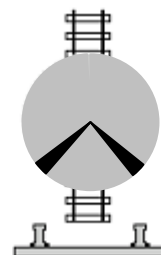
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

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

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.95b	2.47a	-	-	-	-	-
6.0	-	-	-	-	-	2.95b	2.53b	2.65a	2.43	-	-	-
5.0	-	-	-	-	3.42b	2.91b	2.50b	2.17b	2.42	2.07	-	-
4.0	-	-	4.78b	3.95b	3.32b	2.85b	2.47b	2.16b	2.16a	2.04	1.76	-
3.0	-	-	4.65b	3.85b	3.26b	2.80b	2.44b	2.16b	2.27	1.97	1.72	-
2.0	-	5.80b	4.63b	3.82b	3.23b	2.79b	2.52b	2.50	2.19	1.91	1.67	-
1.0	5.93a	5.49a	5.60a	4.53	3.72	3.19	2.78	2.42	2.12	1.86	1.63	-
0.0	6.80a	5.79a	5.57a	4.45	3.70	3.16	2.75	2.38	2.08	1.83	1.62	-
-1.0	10.00	7.35	5.61	4.48	3.72	3.16	2.74	2.37	2.07	1.83	-	-
-2.0	10.00	7.44	5.69	4.56	3.78	3.20	2.77	2.41	2.12	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.21b	2.85a	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	3.20b	2.87	2.43	-	-	-
5.0	-	-	-	-	3.58a	3.57b	3.27	2.85	2.47	2.08	-	-
4.0	-	-	5.28b	5.19b	4.35	3.72	3.22	2.82	2.47	2.09	1.76	-
3.0	-	-	5.99b	5.08b	4.27	3.66	3.18	2.80	2.45	2.07	1.76	-
2.0	-	7.99	6.21b	5.06b	4.25	3.65	3.18	2.82	2.40	2.03	1.72	-
1.0	9.13a	7.96	6.26	5.10b	4.28	3.67	3.16	2.75	2.32	1.96	1.68	-
0.0	10.00	7.79	6.09	4.96	4.16	3.56	3.07	2.63	2.23	1.91	1.63	-
-1.0	10.00	7.73	6.02	4.89	4.09	3.48	2.95	2.53	2.15	1.85	-	-
-2.0	10.00	7.76	6.04	4.86	4.00	3.37	2.88	2.48	2.12	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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 42

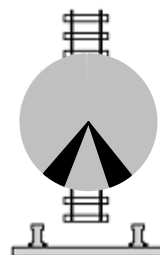
RATED LIFT CAPACITY CHART

RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

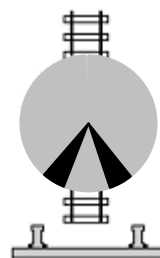
Duty	Config	Sector	Osc Axle	Safety
3gU	RAIL  50 - 150mm	+/- 140° - +/- 160° Over Rear		67%

		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	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	2.59	2.18	-	-	-	-
		6.0	-	-	-	-	2.59	2.20	1.89	1.62	-	-
		5.0	-	-	-	3.00	2.53	2.16	1.86	1.61	1.40	-
		4.0	-	-	4.27	3.40	2.84	2.41	1.80	1.57	1.38	1.21
		3.0	-	-	4.09	3.23	2.63	2.27	1.97	1.72	1.51	1.18
		2.0	-	5.07	3.86	3.06	2.50	2.15	1.88	1.65	1.46	1.15
		1.0	5.93a	4.81	3.68	2.94	2.41	2.08	1.81	1.59	1.42	1.13
		0.0	6.59	4.73	3.62	2.88	2.40	2.05	1.78	1.57	1.39	1.24
		-1.0	6.55	4.72	3.62	2.91	2.41	2.05	1.78	1.56	1.39	1.24
		-2.0	6.62	4.78	3.68	2.96	2.46	2.08	1.80	1.59	1.42	-
		-3.0	-	-	-	-	-	-	-	-	-	-
		-4.0	-	-	-	-	-	-	-	-	-	-



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

		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	-	-	-	-	-	-	-	-	-	-
		7.0	-	-	-	-	2.60	2.18	-	-	-	-
		6.0	-	-	-	-	2.60	2.23	1.90	1.62	-	-
		5.0	-	-	-	3.02	2.57	2.22	1.93	1.65	1.41	-
		4.0	-	-	4.32	3.53	2.96	2.53	2.19	1.92	1.65	1.41
		3.0	-	-	4.23	3.46	2.91	2.49	2.17	1.92	1.63	1.40
		2.0	-	5.36	4.21	3.44	2.89	2.49	2.17	1.87	1.60	1.37
		1.0	6.87	5.14	4.09	3.37	2.84	2.42	2.09	1.81	1.55	1.33
		0.0	6.80	5.03	3.97	3.25	2.73	2.34	2.02	1.73	1.49	1.29
		-1.0	6.79	4.99	3.92	3.20	2.68	2.29	1.94	1.67	1.44	1.26
		-2.0	6.84	5.01	3.93	3.18	2.62	2.20	1.88	1.63	1.42	-
		-3.0	-	-	-	-	-	-	-	-	-	-
		-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' artic and 'r' artic are limited by hydraulic capacity (87% of system maximum hydraulic pressure).
PAGE	39 of 42

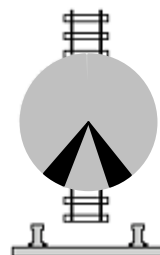
RATED LIFT CAPACITY CHART

RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

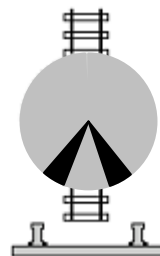
Duty	Config	Sector	Osc Axle	Safety
3gL	RAIL  50 - 150mm	+/- 140° - +/- 160° Over Rear		90%

		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	-	-	-	-	-	-	-	-	-	-
	HEIGHT	7.0	-	-	-	-	2.95b	2.47a	-	-	-	-
	HEIGHT	6.0	-	-	-	-	2.95b	2.53b	2.65a	2.45a	-	-
	HEIGHT	5.0	-	-	-	3.42b	2.91b	2.50b	2.17b	2.42a	2.52a	-
	HEIGHT	4.0	-	-	4.78b	3.95b	3.32b	2.85b	2.47b	2.16b	2.16a	2.55
	HEIGHT	3.0	-	-	4.65b	3.85b	3.26b	2.80b	2.44b	2.16b	2.77a	2.42a
	HEIGHT	2.0	-	5.80b	4.63b	3.82b	3.23b	2.79b	2.52b	2.81b	2.62a	2.41
	HEIGHT	1.0	5.93a	5.49a	5.60a	4.90b	4.17b	3.77b	3.46	2.95a	2.68	2.36
	HEIGHT	0.0	6.80a	5.79a	5.57a	5.72	4.69	3.96	3.42	2.99	2.64	2.33
	HEIGHT	-1.0	10.00	9.94	7.33	5.75	4.70	3.96	3.42	2.99	2.64	2.33
	HEIGHT	-2.0	10.00	10.00	7.43	5.84	4.77	4.01	3.45	3.02	2.69	-
	HEIGHT	-3.0	-	-	-	-	-	-	-	-	-	-
	HEIGHT	-4.0	-	-	-	-	-	-	-	-	-	-



Duty	Config	Sector	Osc Axle	Safety
3gL	RAIL  50 - 150mm	+/- 140° - +/- 160° Over Rear		90%

		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	-	-	-	-	-	-	-	-	-	-
	HEIGHT	7.0	-	-	-	-	3.21b	2.85a	-	-	-	-
	HEIGHT	6.0	-	-	-	-	3.13b	3.20b	3.18b	2.75a	-	-
	HEIGHT	5.0	-	-	-	3.58a	3.57b	3.45b	3.34b	3.00	2.59	-
	HEIGHT	4.0	-	-	5.28b	5.38b	4.75b	4.25b	3.85b	3.37	2.98	2.60
	HEIGHT	3.0	-	-	5.99b	6.18b	5.17	4.39b	3.80b	3.33	2.96	2.58
	HEIGHT	2.0	-	8.48a	7.79	6.21	5.15	4.37b	3.79b	3.33	2.94	2.54
	HEIGHT	1.0	9.13a	10.00	7.86	6.26	5.18	4.40b	3.83b	3.33	2.87	2.47
	HEIGHT	0.0	10.00	10.00	7.89	6.28	5.19	4.40	3.77	3.23	2.79	2.41
	HEIGHT	-1.0	10.00	10.00	7.81	6.20	5.11	4.31	3.64	3.14	2.72	2.35
	HEIGHT	-2.0	10.00	10.00	7.83	6.17	5.01	4.19	3.56	3.09	2.69	-
	HEIGHT	-3.0	-	-	-	-	-	-	-	-	-	-
	HEIGHT	-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 42

RATED LIFT CAPACITY CHART

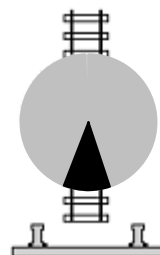
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

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

MINIMUM LOADS

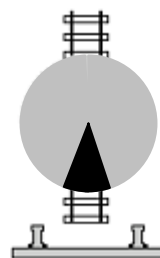
HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.95b	2.47a	-	-	-	-	-
6.0	-	-	-	-	-	2.95b	2.53b	2.65a	2.45a	-	-	-
5.0	-	-	-	-	3.42b	2.91b	2.50b	2.17b	2.42a	2.52a	-	-
4.0	-	-	4.78b	3.95b	3.32b	2.85b	2.47b	2.16b	2.16a	2.57	2.32	-
3.0	-	-	4.65b	3.85b	3.26b	2.80b	2.44b	2.16b	2.77a	2.42a	2.28a	-
2.0	-	5.80b	4.63b	3.82b	3.23b	2.79b	2.52b	2.81b	2.62a	2.49	2.27	-
1.0	5.93a	5.49a	5.60a	4.90b	4.17b	3.77b	3.35	2.95a	2.71	2.46	2.24	-
0.0	6.80a	5.79a	5.57a	5.02	4.30	3.75	3.32	2.97	2.69	2.44	2.23	-
-1.0	9.86	7.55	6.06	5.04	4.31	3.75	3.32	2.97	2.68	2.44	-	-
-2.0	9.92	7.60	6.12	5.10	4.35	3.78	3.34	2.99	2.71	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



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

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.21b	2.85a	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	3.20b	3.18b	2.75a	-	-	-
5.0	-	-	-	-	3.58a	3.57b	3.45b	3.25	2.92	2.60	-	-
4.0	-	-	5.28b	5.38b	4.70	4.10	3.62	3.23	2.90	2.60	2.33	-
3.0	-	-	5.99b	5.41	4.65	4.05	3.59	3.21	2.90	2.59	2.32	-
2.0	-	7.94	6.44	5.39	4.63	4.04	3.58	3.21	2.88	2.57	2.30	-
1.0	9.13a	7.92	6.48	5.42	4.65	4.06	3.61	3.19	2.83	2.52	2.27	-
0.0	10.00	7.82	6.38	5.36	4.60	4.02	3.55	3.13	2.78	2.49	2.24	-
-1.0	10.00	7.78	6.33	5.31	4.56	3.97	3.47	3.07	2.73	2.45	-	-
-2.0	10.00	7.80	6.34	5.29	4.50	3.89	3.42	3.04	2.71	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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 42

RATED LIFT CAPACITY CHART

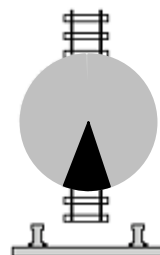
RIS 1530

Machine Type	VOLVO EW180BR	Equipment	2.06m + 2.00m + 3.02m
Issue Date	19/04/2013	Serial No.	2080
FIRST of CLASS	Not Found	Additional Info.	Bucket Pin, Triple

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

MINIMUM LOADS

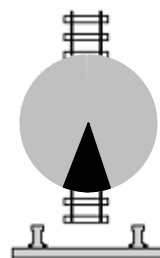
HEIGHT	RADIUS											
	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	
8.0	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	2.95b	2.47a	-	-	-	-	-
6.0	-	-	-	-	-	2.95b	2.53b	2.65a	2.45a	-	-	-
5.0	-	-	-	-	3.42b	2.91b	2.50b	2.17b	2.42a	2.52a	-	-
4.0	-	-	4.78b	3.95b	3.32b	2.85b	2.47b	2.16b	2.16a	2.64a	2.53a	-
3.0	-	-	4.65b	3.85b	3.26b	2.80b	2.44b	2.16b	2.77a	2.42a	2.28a	-
2.0	-	5.80b	4.63b	3.82b	3.23b	2.79b	2.52b	2.81b	2.62a	2.65a	2.36a	-
1.0	5.93a	5.49a	5.60a	4.90b	4.17b	3.77b	3.65b	2.95a	3.07a	3.18a	2.73a	-
0.0	6.80a	5.79a	5.57a	6.37a	5.80b	5.12b	4.44a	3.68a	3.68a	3.09a	2.83a	-
-1.0	10.00	10.00	8.47b	7.21b	6.52b	5.14a	5.02a	4.09a	4.28b	3.85a	-	-
-2.0	10.00	10.00	8.55b	7.08b	6.02b	5.22b	4.74b	4.24b	3.72b	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-4.0	-	-	-	-	-	-	-	-	-	-	-	-



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

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	-	-	-	-	-	-	-	-	-	-	-	-
7.0	-	-	-	-	-	3.21b	2.85a	-	-	-	-	-
6.0	-	-	-	-	-	3.13b	3.20b	3.18b	2.75a	-	-	-
5.0	-	-	-	-	3.58a	3.57b	3.45b	3.34b	3.28b	2.99a	-	-
4.0	-	-	5.28b	5.38b	4.75b	4.25b	3.91b	3.69b	3.54b	3.39b	2.82a	-
3.0	-	-	5.99b	6.18b	6.03b	5.14b	4.59b	4.18b	3.88b	3.64b	3.46b	-
2.0	-	8.48a	8.09b	7.49b	6.84b	5.90b	5.15b	4.60b	4.18b	3.87b	3.63b	-
1.0	9.13a	10.00	9.52b	8.34b	7.20b	6.24b	5.48b	4.89b	4.42b	4.04b	3.73b	-
0.0	10.00	10.00	10.00	8.50b	7.24b	6.30b	5.56b	4.97b	4.49b	4.11b	3.69b	-
-1.0	10.00	10.00	10.00	8.59b	7.33b	6.38b	5.64b	5.07b	4.51b	3.88b	-	-
-2.0	10.00	10.00	10.00	8.76b	7.45b	6.39b	5.49b	4.60b	3.72b	-	-	-
-3.0	-	-	-	-	-	-	-	-	-	-	-	-
-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 42