JS175 Heavy Lift Charts

MACHINE TYPE	JCB JS175RR 063
SERIAL No	885349
EQUIPMENT	1m95 + 3m40 + 1m00
DATE	22/10/04

This machine is equipped with a Prolec PC-RCI. This system is designed to comply with RAILWAY SAFETY STANDARD GM/RT1300 Issue 4

1a		
	ROAD	LEVEL ROAD @ 71% of tipping load
	SECTOR	+/-10° over front
	OSC. AXLE	FLOAT (LIFT & CARRY)

MINIMUM LOADS

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m
7.0m		6.26r	5.73r						
6.0m	7.40r	6.37r	5.60r	5.04r	4.62r				
5.0m		7.71r	6.33r	5.35r	4.74r	4.33r	3.95r		
4.0m			7.04b	5.98b	5.18b	4.55r	4.10r	3.74r	
3.0m		7.72a	6.98b	5.94b	5.29b	4.87	4.31	3.84	
2.0m	8.98r	7.18a	6.56a	5.76r	5.56	4.76	4.23	3.78	3.41
1.0m	7.10r	6.17r	4.88r	6.28r	5.46	4.70	4.17	3.74	3.38
0.0m	2.95r	7.01r	7.92	6.44	5.40	4.69	4.15	3.72	
-1.0m	9.77a	9.78a	7.86	6.42	5.43	4.71	4.17		
-2.0m	9.99	9.99	7.94	6.51	5.53				
-3.0m									

MAXIMUM LOADS

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m
7.0m		6.61r	6.02r						
6.0m	7.40r	6.68r	6.23r	6.02r	5.21r				
5.0m		7.78r	6.75r	6.13r	5.74r	5.21	4.43r		
4.0m			7.86r	6.77r	6.00r	5.22	4.49	3.91	
3.0m		8.46b	8.54	7.08r	6.06	5.20	4.47	3.90	
2.0m	9.15r	9.99	8.54	7.07	6.03	5.12	4.41	3.86	3.41
1.0m	9.99	9.99	8.52r	7.05	5.91	5.02	4.35	3.81	3.38
0.0m	9.99	9.99	8.54	6.89	5.73	4.91	4.25	3.76	
-1.0m	9.99	9.99	8.23	6.68	5.63	4.82	4.21		
-2.0m	9.99	9.99	8.09	6.61	5.56				
-3.0m									

1a		
	ROAD	LEVEL ROAD @ 71% of tipping load
	SECTOR	+/-10° over front
	OSC. AXLE	LOCKED (STATIC LIFT ONLY)

MINIMUM LOADS

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m
7.0m		6.26r	5.73r						
6.0m	7.40r	6.37r	5.60r	5.04r	4.62r				
5.0m		7.71r	6.33r	5.35r	4.74r	4.33r	3.95r		
4.0m			7.04b	5.98b	5.18b	4.55r	4.10r	3.74r	
3.0m		7.72a	6.98b	5.94b	5.29b	5.06r	4.34r	3.90r	
2.0m	8.98r	7.18a	6.56a	5.76r	5.90r	5.62r	4.74r	4.10r	3.73r
1.0m	7.10r	6.17r	4.88r	6.28r	7.05r	6.06r	5.06r	4.35r	3.96r
0.0m	2.95r	7.01r	8.79r	8.98	7.26	6.14	5.32	4.58r	
-1.0m	9.77a	9.78a	9.99	8.82b	7.29	6.16	5.33		
-2.0m	9.99	9.99	9.99	8.93b	7.42				
-3.0m									

MAXIMUM LOADS

	2.0m	2.5m	3.0m	3.5m	4.0m	4.5m	5.0m	5.5m	6.0m
7.0m		6.61r	6.02r						
6.0m	7.40r	6.68r	6.23r	6.02r	5.21r				
5.0m		7.78r	6.75r	6.13r	5.74r	5.31r	4.43r		
4.0m			7.86r	6.77r	6.00r	5.59r	5.10r	4.18r	
3.0m		8.46b	8.73r	8.11r	6.75r	5.96r	5.54r	4.79r	
2.0m	9.15r	9.99	9.99	9.34r	7.66	6.54	5.62	4.84	3.93r
1.0m	9.99	9.99	9.99	9.44	7.76	6.53	5.54	4.79	3.96r
0.0m	9.99	9.99	9.99	9.55	7.66	6.39	5.44	4.73	
-1.0m	9.99	9.99	9.99	9.29	7.53	6.29	5.39		
-2.0m	9.99	9.99	9.99	9.19	7.45				
-3.0m									

SAMPLE

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 are limited by hydraulic capacity (87% of 355 bar). All rail duties listed are valid for use on up to a 1:50 gradient, and with a maximum track twist of 38mm
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