

Crawler Cranes

LR series

EN

		LR 1110	LR 1130.1	LR 1160.1
Capacity				
Max. lifting capacity	t	115.5	137.2	160
Winches				
Line pull	kN	120 (4 th layer)	120 (7 th layer)	120 (7 th layer)
Diesel engine				
Type Liebherr		D 944 A7-04	D 944 A7-04	D 944 A7-04
Power rating according to ISO 9249	kW/hp at 1700 rpm	230/308	230/308	230/308
Exhaust certification		97/68 EC Stage IV EPA/CARB Tier 4f	97/68 EC Stage IV/V EPA/CARB Tier 4f	97/68 EC Stage IV/V EPA/CARB Tier 4f
Main boom				
Main boom	m	71 (No. 1512.xx)	80 (No. 2017.xx)	87.5 (No. 2018.xx)
Fixed jib				
Fixed jib	m	32 (No. 0806.xx)	32 (No. 0806.xx);	26 (No. 1008.xx); 32 (No. 0806.xx)
Max. combination with main boom	m	85; 53 + 32 (No. 0806.xx)	97; 65 + 32 (No. 0806.xx)	92.8; 66.8 + 26 (No. 1008.xx)
	m			107.5; 75.5 + 32 (No. 0806.xx)
Luffing jib				
Luffing jib	m	66.8 (No. 1309.xx)	78.5 (No. 1309.xx)	78.5 (No. 1309.xx), 83 (No. 1713.xx)
Max. combination with main boom	m	104.8; 38 + 66.8 (No. 1309.xx)	125.5; 47 + 78.5 (No. 1309.xx)	133.6; 55.1 + 78.5 (No. 1309.xx)
	m	98.8; 41 + 57.8 (No. 1309.xx)	102.1; 53 + 49.1 (No. 1309.xx)	124.9; 58.1 + 66.8 (No. 1309.xx)
	m			135.1; 52.1 + 83 (No. 1713.xx)
	m			123.1; 55.1 + 68 (No. 1713.xx)
Fixed jib for windmill operation		–	–	–
Derrick equipment		–	–	–

		LR 1200.1	LR 1250.1	LR 1300.1 SX
Capacity				
Max. lifting capacity	t	220	250	300.5
Winches				
Line pull	kN	120 (7 th layer)	120 (7 th layer)	150 (7 th layer)
Diesel engine				
Type Liebherr		D 944 A7-04	D 944 A7-04	D 946 A7-04
Power rating according to ISO 9249	kW/hp at 1700 rpm	230/308	230/308	390/523
Exhaust certification		97/68 EC Stage IV/V EPA/CARB Tier 4f	97/68 EC Stage IV/V EPA/CARB Tier 4f	97/68 EC Stage IV EPA/CARB Tier 4f
Main boom				
Main boom	m	89 (No. 2320.xx)	86 (No. 2320.xx)	92 (No. 2821)
Fixed jib				
Fixed jib	m	7 (No. 0906.21); 26 (1008.xx)	7 (No. 0906.21); 26 (1008.xx)	7 (No. 0906.21), 8 (No. 1507.20)
	m	32 (No. 0806.xx)	32 (No. 0806.xx)	26 (No. 1008.xx), 35 (No. 1713.xx)
Max. combination with main boom	m	87; 80 + 7 (No. 0906.21)	84; 77 + 7 (No. 0906.21)	90; 83 + 7 (No. 0906.21)
	m	97; 71 + 26 (No. 1008.xx)	97; 71 + 26 (No. 1008.xx)	91; 83 + 8 (No. 1507.20)
	m	112; 80 + 32 (No. 0806.xx)	109; 77 + 32 (No. 0806.xx)	106; 80 + 26 (No. 1008.xx)
	m			109; 74 + 35 (No. 1713.xx)
Luffing jib				
Luffing jib	m	83 (No. 1713.xx); 95 (No. 1916.xx)	83 (No. 1713.xx); 95 (No. 1916.xx)	95 (No. 1916.xx), 113 (No. 2316.xx)
Max. combination with main boom	m	142; 59 + 83 (No. 1713.xx)	142; 59 + 83 (No. 1713.xx)	160; 65 + 95 (No. 1916.xx)
	m	136; 62 + 74 (No. 1713.xx)	127; 62 + 65 (No. 1713.xx)	115; 71 + 44 (No. 1916.xx)
	m	118; 65 + 53 (No. 1713.xx)	109; 65 + 44 (No. 1713.xx)	169; 56 + 113 (No. 2316.xx)
	m	148; 53 + 95 (No. 1916.xx)	148; 53 + 95 (No. 1916.xx)	106; 68 + 38 (No. 2316.xx)
	m	136; 56 + 80 (No. 1916.xx)	130; 56 + 74 (No. 1916.xx)	
	m	121; 59 + 62 (No. 1916.xx)	112; 59 + 53 (No. 1916.xx)	
Fixed jib for windmill operation		✓	✓	✓
Derrick equipment		–	–	✓

LR overview - rC - EN v01:112020 Subject to change without notice.

LIEBHERR

Crawler Cranes

LR series *unplugged*

		LR 1200.1 unplugged	LR 1250.1 unplugged
Capacity			
Max. lifting capacity	t	220	250
Winches			
Line pull	kN	120 (7 th layer)	120 (7 th layer)
Drive system			
Max. drive power	kW	255 (45 °C temperature of cooling water)	255 (45 °C temperature of cooling water)
Battery type		High Performance Battery System	High Performance Battery System
Technology		Li-Ion NMC (nickel manganese cobalt)	Li-Ion NMC (nickel manganese cobalt)
Gross battery capacity	kWh	196	196
Max. charging power	kW	40 (CEE socket 63 A/ 400 V AC)	40 (CEE socket 63 A/ 400 V AC)
Main boom			
Main boom	m	89 (No. 2320.xx)	86 (No. 2320.xx)
Fixed jib			
Fixed jib	m	7 (No. 0906.21); 26 (1008.xx)	7 (No. 0906.21); 26 (1008.xx)
	m	32 (No. 0806.xx)	32 (No. 0806.xx)
Max. combination with main boom	m	87; 80 + 7 (No. 0906.21)	84; 77 + 7 (No. 0906.21)
	m	97; 71 + 26 (No. 1008.xx)	97; 71 + 26 (No. 1008.xx)
	m	112; 80 + 32 (No. 0806.xx)	109; 77 + 32 (No. 0806.xx)
Luffing jib			
Luffing jib	m	83 (No. 1713.xx); 95 (No. 1916.xx)	83 (No. 1713.xx); 95 (No. 1916.xx)
Max. combination with main boom	m	142; 59 + 83 (No. 1713.xx)	142; 59 + 83 (No. 1713.xx)
	m	136; 62 + 74 (No. 1713.xx)	127; 62 + 65 (No. 1713.xx)
	m	118; 65 + 53 (No. 1713.xx)	109; 65 + 44 (No. 1713.xx)
	m	148; 53 + 95 (No. 1916.xx)	148; 53 + 95 (No. 1916.xx)
	m	136; 56 + 80 (No. 1916.xx)	130; 56 + 74 (No. 1916.xx)
	m	121; 59 + 62 (No. 1916.xx)	112; 59 + 53 (No. 1916.xx)
Fixed jib for windmill operation		✓	✓
Derrick equipment		–	–