

Lifting capacity

At the arm end without bucket.

For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

• ECR305CL

 	Lifting hook related to ground level	1.5 m, 5'				3.0 m, 10'				4.5 m, 15'				6.0 m, 20'				7.5 m, 25'				9.0 m, 30'				Max. reach					
																														Max. m / ft	
		t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb		
Boom 6.2 m 20' 4" + Arm 3.05 m 10' 0" + Shoe 850 mm 33.5" + Counterweight 8,250 kg 18,190 lb	9 m	30'																									6'4	14,460	6'4	14,460	5.62/17.80
	7.5 m	25'												7.1	15,720	7.1	15,720									5.7	12,700	5.7	12,700	7.13/23.00	
	6 m	20'												7.5	16,380	7.5	16,380	7.2	15,850	6.1	13,080					5.5	12,080	5.3	11,910	8.08/26.40	
	4.5 m	15'				1'48	31,260	1'48	31,260	1'03	22,220	1'03	22,220	8.5	18,470	8.4	18,190	7.6	16,590	6.0	12,820					5.5	12,020	4.7	10,370	8.88/28.40	
	3 m	10'								1'31	28,230	1.23	26,620	9.8	21,270	8.0	17,310	8.2	17,920	5.8	12,400					5.6	12,390	4.3	9,590	8.98/29.50	
	1.5 m	5'								1'53	33,050	1.16	25,000	11.0	23,870	7.7	16,500	8.7	18,620	5.6	11,980	6.4	14,036	4.3	9,284	6.0	13,250	4.2	9,320	9.03/29.70	
	0 m	0'								1'62	34,990	1.13	24,230	11.8	25,460	7.4	15,960	8.5	18,290	5.4	11,670					6.7	14,710	4.3	9,510	8.82/29.00	
-1.5 m	-5'					1'06	24,080	1'06	24,080	1'59	34,460	1.12	24,060	11.8	25,350	7.3	15,740	8.4	18,150	5.4	11,550				7.2	16,010	4.6	10,260	8.34/27.40		
-3 m	-10'					1'76	39,980	1'76	39,980	1'47	31,750	1.13	24,270	11.1	23,920	7.3	15,820	8.3		5.4					8.2	18,190	5.4	11,970	7.53/24.60		
-4.5 m	-15'					1'62	34,860	1'62	34,860	1'21	25,940	1.16	24,890	8.8	18,560	7.6	16,360								8.2	18,030	7.1	16,030	6.26/20.30		
Boom 6.2 m 20' 4" + Arm 3.7 m 12' 2" + Shoe 850 mm 33.5" + Counterweight 8,250 kg 18,190 lb	9 m	30'												6.3	12,970	6.3	12,970									5.0	11,120	5.0	11,120	6.56/21.00	
	7.5 m	25'																5.7	11,480	5.7	11,480					4.5	10,010	4.5	10,010	7.89/25.60	
	6 m	20'												6.7	14,690	6.7	14,690	6.6	14,460	6.3	13,470					4.3	9,570	4.3	9,570	8.76/28.60	
	4.5 m	15'								9.0	19,500	9.0	19,500	7.8	16,910	7.8	16,910	7.1	15,480	6.1	13,150	5.7	11,190	4.6	9,750	4.3	9,530	4.3	9,470	9.31/30.50	
	3 m	10'								1.19	25,690	1.19	25,690	9.2	19,920	8.2	17,770	7.8	17,030	5.9	12,700	6.8	14,900	4.4	9,560	4.4	9,390	4.0	8,830	9.60/31.50	
	1.5 m	5'								1.45	31,380	1.20	25,740	10.6	22,910	7.8	16,890	9.6	18,660	5.7	12,230	6.7	14,340	4.3	9,330	4.7	10,360	3.9	8,590	9.64/31.70	
	0 m	0'					6.3	14,310	6.3	14,310	1.60	34,560	1.15	24,660	11.6	25,040	7.5	16,240	8.6	18,470	5.5	11,850	6.6	14,150	4.2	9,150	5.2	11,370	4.0	8,720	9.45/31.00
-1.5 m	-5'	6.3	14,000	6.3	14,000	1.00	22,720	1.00	22,720	1.62	35,150	1.13	24,250	11.9	25,510	7.4	15,890	8.5	18,240	5.4	11,640	6.0	13,090	4.2	9,196	5.9	13,060	4.2	9,290	9.00/29.50	
-3 m	-10'	10.5	23,520	10.5	23,520	1.51	34,270	1.51	34,270	1.55	33,490	1.13	24,270	11.6	25,030	7.3	15,840	8.5	18,240	5.4	11,640				7.2	16,100	4.8	10,540	8.26/27.00		
-4.5 m	-15'					1.88	40,600	1.88	40,600	1.36	29,190	1.15	24,680	10.2	21,730	7.5	16,110								7.9	17,450	6.0	13,240	7.12/23.20		
-6 m	-20'								9.5																	8.1	17,730	8.1	17,730	5.15/16.90	
Boom 6.2 m 20' 4" + Arm 3.05 m 10' 0" + Shoe 600 mm 24" + Counterweight 8,250 kg 18,190 lb + Dozer blade	9 m	30'																									6.4	14,460	6.4	14,460	5.62/17.83
	7.5 m	25'												7.1	15,720	7.1	15,720									5.7	12,700	5.7	12,700	7.13/23.08	
	6 m	20'												7.5	16,380	7.5	16,380	7.2	15,850	6.3	13,590					5.5	12,080	5.5	12,080	8.08/26.38	
	4.5 m	15'					1'48	31,260	1'48	31,260	1'03	22,220	1'03	22,220	8.5	18,470	8.5	18,470	7.6	16,590	6.2	13,330				5.5	12,020	4.9	10,800	8.88/28.42	
	3 m	10'								1'31	28,230	1.28	27,630	9.8	21,270	8.3	17,980	8.2	17,920	6.0	12,910				5.6	12,390	4.5	10,000	8.98/29.48		
	1.5 m	5'								1'53	33,050	1.21	26,010	11.0	23,870	8.0	17,170	8.9	19,280	5.8	12,490	6.4	14,040	4.4	9,770	6.0	13,250	4.4	9,730	9.03/29.65	
	0 m	0'								1'62	34,990	1.17	25,240	11.8	25,460	7.7	16,630	9.3	20,140	5.7	12,180					6.7	14,710	4.5	9,930	8.82/28.96	
-1.5 m	-5'					1'06	24,080	1'06	24,080	1'59	34,460	1.17	25,060	11.8	25,620	7.6	16,410	9.3	20,010	5.6	12,060				7.8	17,270	4.9	10,710	8.34/27.35		
-3 m	-10'					1'76	39,980	1'76	39,980	1'47	31,750	1.18	25,270	11.1	23,920	7.7	16,500	8.3		5.7					8.2	18,190	5.6	12,480	7.53/24.61		
-4.5 m	-15'					1'62	34,860	1'62	34,860	1'21	25,940	1.20	25,900	8.8	18,560	7.9	17,030								8.2	18,030	7.4	16,690	6.26/20.31		
Boom 6.2 m 20' 4" + Arm 3.7 m 12' 2" + Shoe 600 mm 24" + Counterweight 8,250 kg 18,190 lb + Dozer blade	9 m	30'												6.3	12,970	6.3	12,970			5.7	11,480	5.7	11,480				5.0	11,120	5.0	11,120	6.56/21.02
	7.5 m	25'																									4.5	10,010	4.5	10,010	7.89/25.61
	6 m	20'												6.7	14,690	6.7	14,690	6.6	14,460	6.5	13,980					4.3	9,570	4.3	9,570	8.76/28.62	
	4.5 m	15'								9.0	19,500	9.0	19,500	7.8	16,910	7.8	16,910	7.1	15,480	6.3	13,660	5.7	11,190	4.7	10,160	4.3	9,530	4.3	9,530	9.31/30.51	
	3 m	10'								1.19	25,690	1.19	25,690	9.2	19,920	8.6	18,440	7.8	17,030	6.1	13,200	7.0	14,400	4.6	9,970	4.4	9,790	4.2	9,210	9.60/31.49	
	1.5 m	5'								1.45	31,380	1.24	26,750	10.6	22,910	8.1	17,560	9.6	18,660	5.9	12,730	7.4	15,860	4.5	9,740	4.7	10,360	4.1	8,970	9.64/31.66	
	0 m	0'					6.3	14,310	6.3	14,310	1.60	34,560	1.19	25,670	11.6	25,040	7.8	16,910	9.2	19,890	5.7	12,360	7.3	15,660	4.4	9,550	5.2	11,370	4.1	9,110	9.45/31.01
-1.5 m	-5'	6.3	14,000	6.3	14,000	1.00	22,720	1.00	22,720	1.62	35,150	1.17	25,250	11.9	25,850	7.7	16,560	9.4	20,160	5.6	12,140	6.0	13,090	4.4	9,680	5.9	13,060	4.4	9,700	9.00/29.51	
-3 m	-10'	10.5	23,520	10.5	23,520	1.51	34,270	1.51	34,270	1.55	33,490	1.18	25,280	11.6	25,030	7.7	16,510	9.0	19,310	5.6	12,150				7.2	16,100	5.0	11,000	8.26/27.00		
-4.5 m	-15'					1.88	40,600	1.88	40,600	1.36	29,190	1.19	25,680	10.2	21,730	7.8	16,790								7.9	17,450	6.2	13,800	7.12/23.16		
-6 m	-20'								9.5	20,990	9.5	29,990														8.1	17,730	8.1	17,730	5.15/16.90	

Lifting capacity

At the arm end without bucket.

For lifting capacity including bucket, simply subtract actual weight of the direct fit bucket or the bucket with quick fit from the following values.

• ECR305CL

 Across under-carriage  Along under-carriage	Lifting hook related to ground level	1.5 m, 5'				3.0 m, 10'				4.5 m, 15'				6.0 m, 20'				7.5 m, 25'				9.0 m, 30'				Max. reach					
																												Max. m / ft			
		t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb	t	lb						
Boom 6.2 m 20' 4" + Arm 3.05 m 10' 0" + Shoe 850 mm 33.5" + Counterweight 8,700 kg 19,180 lb	9 m 30'																									64	14,460	64	14,460	562/1780	
	7.5 m 25'													7.1	15,720	7.1	15,720									57	12,700	57	12,700	713/2300	
	6 m 20'													7.5	16,380	7.5	16,380	7.2	15,850	63	13,460					55	12,080	55	12,080	808/2640	
	4.5 m 15'					148	31,260	148	31,260	103	22,220	103	22,220	8.5	18,470	8.5	18,470	7.6	16,590	61	13,200					5.5	12,020	48	10,700	888/2840	
	3 m 10'									131	28,230	127	27,380	9.8	21,270	8.3	17,820	8.2	17,920	60	12,780					5.6	12,390	45	9,900	898/2950	
	1.5 m 5'									153	33,050	120	25,760	11.0	23,870	7.9	17,010	8.9	19,110	5.7	12,360	64	14,036	44	9,658	60	13,250	44	9,930	903/2970	
	0 m 0'									162	34,990	116	24,990	11.8	25,460	7.6	16,470	8.7	18,780	5.6	12,060					67	14,710	45	9,830	882/2900	
	-1.5 m -5'					106	24,080	106	24,080	159	34,460	115	24,820	11.8	25,620	7.5	16,240	8.7	18,640	5.5	11,940					74	16,440	48	10,600	834/2740	
	-3 m -10'					176	39,980	176	39,980	147	31,750	116	25,030	11.1	23,920	7.6	16,330	8.3		5.6						82	18,190	56	12,360	973/2460	
-4.5 m -15'					162	34,860	162	34,860	121	25,940	119	25,650	8.8	18,560	7.8	16,870									82	18,030	74	16,350	626/2030		
Boom 6.2 m 20' 4" + Arm 3.7 m 12' 2" + Shoe 850 mm 33.5" + Counterweight 8,700 kg 19,180 lb	9 m 30'													6.3	12,970	6.3	12,970									50	11,120	50	11,120	656/2100	
	7.5 m 25'																	5.7	11,480	5.7	11,480						45	10,010	45	10,010	789/2560
	6 m 20'													6.7	14,690	6.7	14,690	6.6	14,460	64	13,850					43	9,570	43	9,570	876/2860	
	4.5 m 15'									9.0	19,500	9.0	19,500	7.8	16,910	7.8	16,910	7.1	15,480	63	13,530	5.7	11,190	4.7	10,060	43	9,530	43	9,530	931/3050	
	3 m 10'									11.9	25,690	11.9	25,690	9.2	19,920	8.5	18,280	7.8	17,030	61	13,080	7.0	14,400	4.6	9,870	44	9,790	41	9,120	960/3150	
	1.5 m 5'									14.5	31,380	12.3	26,500	10.6	22,910	8.1	17,400	8.6	18,660	5.9	12,610	6.8	14,730	4.5	9,640	47	10,360	40	8,880	964/3170	
	0 m 0'					6.3	14,310	6.3	14,310	16.0	34,560	11.8	25,420	11.6	25,040	7.8	16,740	8.8	18,960	5.7	12,230	6.7	14,530	4.4	9,450	52	11,370	41	9,020	945/3100	
	-1.5 m -5'	6.3	14,000	6.3	14,000	10.0	22,720	10.0	22,720	16.2	35,150	11.6	25,000	12.0	25,850	7.6	16,400	8.7	18,730	5.6	12,020	6.0		4.4		5.9	13,060	44	9,600	900/2950	
	-3 m -10'	10.5	23,520	10.5	23,520	15.0	34,270	15.0	34,270	15.5	33,490	11.6	25,030	11.6	25,030	7.6	16,340	8.7	18,730	5.6	12,020					7.2	16,100	49	10,890	826/2700	
	-4.5 m -15'					18.8	40,600	18.8	40,600	13.6	29,190	11.8	25,440	10.2	21,730	7.7	16,620									7.9	17,450	61	13,660	712/2320	
-6 m -20'									9.5		9.5															8.1		8.1		5.15/16.90	

- Notes:
1. Machine in "Fine Mode-F" (Power Boost) for lifting capacities.
 2. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards.
 3. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 4. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.