

## LIFTING CAPACITY ECR88D

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 coupler from the following values.

	Lifting point		1.0 m, 3.3 ft		2.0 m, 6.6 ft		3.0 m, 9.9 ft		4.0 m, 13.2 ft		5.0 m, 16.5 ft		6.0, 19.8 ft		Max. reach		
	m	ft	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Max.
	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	m
<b>Boom 3.55 m, 11' 8"</b> <b>Arm 1.7 m, 5' 7"</b> <b>Shoe 450 mm, 18"</b> <b>CWT 1 480 kg / 3,260 lb</b> <b>Dozer blade down</b>	5.0	16.5	-	-	-	-	-	-	1 520	1 520	-	-	-	-	1 600	1 600	4.6 m
	4.0	13.2	-	-	-	-	-	-	1 580	1 580	1 540	1 390	-	-	1 560	1 230	5.3 m
	3.0	9.9	-	-	-	-	2 490	2 490	1 890	1 890	1 640	1 360	-	-	1 540	1 060	5.8 m
	2.0	6.6	-	-	-	-	3 700	2 830	2 330	1 840	1 830	1 310	1 590	980	1 580	980	6.0 m
	1.0	3.3	-	-	-	-	8 040	6 200	5 100	4 040	4 010	2 870	-	-	3 490	2 160	19.7 ft
	0.0	0.0	-	-	-	-	5 550	5 550	5 870	3 830	4 380	2 770	-	-	3 580	2 110	19.7 ft
	-1.0	-3.3	-	-	3 560	3 560	3 840	2 640	2 690	1 750	2 000	1 260	1 630	960	1 620	950	6.0 m
	-2.0	-6.6	-	-	4 790	4 790	3 200	2 690	2 270	1 710	-	-	-	-	1 570	990	5.8 m
	-3.0	-9.9	-	-	10 470	10 470	6 990	5 870	4 950	3 750	-	-	-	-	3 680	2 180	19.1 ft
			-	-	-	-	1 880	1 880	-	-	-	-	-	-	1 500	1 500	3.4 m
			-	-	-	-	4 040	4 040	-	-	-	-	-	-	3 290	3 290	11.2 ft
	<b>Boom 3.55 m, 11' 8"</b> <b>Arm 1.7 m, 5' 7"</b> <b>Shoe 450 mm, 18"</b> <b>CWT 1 480 kg / 3,260 lb</b> <b>Dozer blade up</b>	5.0	16.5	-	-	-	-	-	-	1 520	1 520	-	-	-	-	1 600	1 520
4.0		13.2	-	-	-	-	-	-	1 580	1 580	1 540	1 320	-	-	1 470	1 160	5.3 m
3.0		9.9	-	-	-	-	2 490	2 490	1 890	1 850	1 630	1 290	-	-	1 270	1 000	5.8 m
2.0		6.6	-	-	-	-	3 440	2 650	2 210	1 740	1 580	1 240	1 180	920	1 180	920	6.0 m
1.0		3.3	-	-	-	-	7 530	5 800	4 850	3 800	3 450	2 710	-	-	2 610	2 030	19.7 ft
0.0		0.0	-	-	-	-	5 550	5 450	4 640	3 600	3 340	2 600	-	-	2 550	1 980	19.7 ft
-1.0		-3.3	-	-	3 560	3 560	3 250	2 470	2 050	1 580	1 480	1 150	-	-	1 330	1 030	5.4 m
-2.0		-6.6	-	-	4 790	4 790	3 200	2 510	2 080	1 610	-	-	-	-	1 650	1 280	4.7 m
-3.0		-9.9	-	-	10 470	10 470	6 990	5 490	4 550	3 520	-	-	-	-	3 660	2 850	15.4 ft
			-	-	-	-	1 880	1 880	-	-	-	-	-	-	1 500	1 500	3.4 m
			-	-	-	-	4 040	4 040	-	-	-	-	-	-	3 290	3 290	11.2 ft
<b>Boom 3.55 m, 11' 8"</b> <b>Arm 2.1 m, 6' 11"</b> <b>Shoe 450 mm, 18"</b> <b>CWT 1 480 kg / 3,260 lb</b> <b>Dozer blade down</b>		6.0	19.8	-	-	-	-	-	-	-	-	-	-	-	-	1 510	1 510
	5.0	16.5	-	-	-	-	-	-	-	-	1 380	1 380	-	-	1 320	1 320	5.1 m
	4.0	13.2	-	-	-	-	-	-	-	-	3 080	3 060	-	-	2 930	2 930	16.6 ft
	3.0	9.9	-	-	-	-	-	-	-	-	1 340	1 340	-	-	1 230	1 070	5.8 m
	2.0	6.6	-	-	-	-	3 160	2 900	2 100	1 850	1 680	1 310	1 470	970	1 240	870	6.4 m
	1.0	3.3	-	-	-	-	3 630	2 660	2 520	1 740	1 890	1 250	1 560	940	1 320	850	6.4 m
	0.0	0.0	-	-	-	-	8 300	5 830	5 500	3 810	4 130	2 730	3 410	2 050	2 920	1 870	21.0 ft
	-1.0	-3.3	2 660	2 660	3 090	3 090	4 000	2 570	2 720	1 640	2 000	1 180	-	-	1 570	950	5.8 m
	-2.0	-6.6	5 890	5 890	6 860	6 860	8 740	5 610	5 950	3 590	4 370	2 590	-	-	3 420	2 100	19.1 ft
	-3.0	-9.9	3 980	3 980	4 940	4 940	3 490	2 600	2 440	1 650	1 720	1 200	-	-	1 580	1 140	5.2 m
			8 830	8 830	11 000	11 000	7 630	5 680	5 320	3 620	3 740	2 630	-	-	3 480	2 530	17.0 ft
			-	-	3 870	3 870	2 510	2 510	1 650	1 650	-	-	-	-	1 530	1 530	4.1 m
		-	-	8 390	8 390	5 450	5 450	3 550	3 550	-	-	-	-	3 370	3 370	13.5 ft	
<b>Boom 3.55 m, 11' 8"</b> <b>Arm 2.1 m, 6' 11"</b> <b>Shoe 450 mm, 18"</b> <b>CWT 1 480 kg / 3,260 lb</b> <b>Dozer blade up</b>	6.0	19.8	-	-	-	-	-	-	-	-	-	-	-	-	1 510	1 510	4.0 m
	5.0	16.5	-	-	-	-	-	-	-	-	1 380	1 330	-	-	1 320	1 280	5.1 m
	4.0	13.2	-	-	-	-	-	-	-	-	3 080	2 890	-	-	2 930	2 840	16.6 ft
	3.0	9.9	-	-	-	-	-	-	-	-	1 340	1 330	-	-	1 230	1 010	5.8 m
	2.0	6.6	-	-	-	-	3 160	2 720	2 100	1 750	1 570	1 230	1 170	910	1 050	810	6.4 m
	1.0	3.3	-	-	-	-	3 270	2 480	2 110	1 630	1 510	1 170	1 140	880	1 030	790	6.4 m
	0.0	0.0	-	-	-	-	7 150	5 440	4 610	3 580	3 300	2 570	2 500	1 930	2 280	1 750	21.0 ft
	-1.0	-3.3	2 660	2 660	3 090	3 090	3 170	2 390	2 405	1 540	1 440	1 110	-	-	1 160	890	5.8 m
	-2.0	-6.6	5 890	5 890	6 860	6 860	6 930	5 230	4 390	3 360	3 160	2 430	-	-	2 570	1 970	19.1 ft
	-3.0	-9.9	3 980	3 980	4 940	4 940	3 200	2 420	2 020	1 550	1 460	1 120	-	-	1 390	1 070	5.2 m
			8 830	8 830	11 000	11 000	7 000	5 300	4 420	3 390	3 200	2 460	-	-	3 070	2 370	17.0 ft
			-	-	3 870	3 870	2 510	2 500	1 650	1 610	-	-	-	-	1 530	1 530	4.1 m
		-	-	8 390	8 390	5 450	5 450	3 550	3 530	-	-	-	-	3 370	3 370	13.5 ft	

Notes: 1. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards. 2. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load. 3. Rated loads marked with an asterisk (\*) are limited by hydraulic capacity rather than tipping load.

# EQUIPMENT.

## STANDARD EQUIPMENT

	ECR58D	ECR88D
<b>Engine</b>		
Low-emission Volvo T4f diesel engine	•	•
Standard cooling system	•	•
Two-stage air filter	•	•
Fuel filter and water separator	•	•
Alternator, 70 A	•	•
<b>Electric/Electronic control system</b>		
Safe engine start function	•	•
Automatic idling system	•	•
Halogen working lights; Cab-mounted 2 (front)	•	•
Battery, 12 V / 100 Ah	•	•
Start motor, 12 V / 3 kW	•	•
Travel alarm	•	•
Monitor and keypad	•	•
Master electrical disconnect switch	•	•
<b>Hydraulic system</b>		
Automatic two speed travel motors	•	•
Cylinder cushioning	•	•
Hydraulic fluid mineral 46	•	•
Pilot control pattern change	•	•
Single (Hammer) and Double Acting (Thumb) Hydraulics	•	•
X1 Flow Control through I ECU	•	•

	ECR58D	ECR88D
<b>Cab and interior</b>		
Canopy	•	•
PVC operator seat with suspension	•	•
Seat belt, 2 inch retractable	•	•
Control joystick	•	•
Master key	•	•
Hour meter (non analog)	•	•
<b>Frame</b>		
580 kg (1,280 lb) counterweight	•	•
1 480 kg (3,260 lb) counterweight		•
Under cover	•	•
Dozer Blade with float function	•	•
<b>Undercarriage</b>		
Track link	•	•
Greased and sealed track link		•
400 mm (16") rubber track	•	•
450 mm (18") rubber track		•
<b>Digging equipment</b>		
Boom: 2.9 m (9' 6"), Arm: 1.54 m (5' 1")	•	•
Boom: 3.55 m (11' 8"), Arm: 1.7 m (5' 7")		•
Linkage	•	•
<b>Service</b>		
Tool kit-daily maintenance	•	•

## OPTIONAL EQUIPMENT

	ECR58D	ECR88D
<b>Electric/Electronic control system</b>		
Fuel filler pump: 35 l/min (9 gpm), with automatic shut-off	•	•
Extra working lights;	•	•
Cab-mounted 1 (rear), Boom-mounted 1	•	•
Caretrack	•	•
Air compressor	•	•
Travel alarm	•	•
Anti theft, code-lock	•	•
Rotating warning beacon	•	•
<b>Hydraulic system</b>		
Hydraulic piping:	•	•
Hammer & shear hydraulic piping (max. flow: 70 lpm / 18 gpm, max. pressure: 26.5 Mpa / 3,840 psi)	•	
Hammer & shear hydraulic piping (max. flow: 90 lpm / 24 gpm, max. pressure: 32.4 Mpa / 4,690 psi)		•
Slope & rotator (max. flow: 35 lpm / 9 gpm, max. pressure: 14.7 Mpa / 2,130 psi)	•	•
Grapple	•	•
Attachment carriers	•	•
Hose rupture valve for boom	•	•
Overload warning device	•	•
Hydraulic oil, ISO VG 32, 68	•	•
Hydraulic oil, biodegradable 46	•	•
Hydraulic oil, longlife oil 46	•	•
<b>Cab and interior</b>		
Cab	•	•
Carecab includes CareTrack connection	•	•
Fabric operator seat with suspension	•	•
Heater and air-conditioner	•	•
Control joystick, X3 proportional	•	•
Seat belt, 3 inch retractable	•	•
AM/FM stereo	•	•
AM/FM stereo with CD player and USB input	•	•
Mechanical hour meter	•	•
Cab mounted FOG (Falling Object Guard)	•	•
FOPS (Falling Object Protection Structure)	•	•
Sun screen, front/roof	•	•
Safety net	•	•
<b>Frame</b>		
Rearview mirror	•	•
<b>Undercarriage</b>		
380 mm (15"), 500 mm (20") steel track	•	
450 mm (18"), 600 mm (24") steel track		•
400 mm (16") rubber pad	•	
450 mm (18") rubber pad		•
<b>Digging equipment</b>		
Boom: 3.85 m (12' 8") 2 piece		•
Arm: 1.94 m (6' 4")	•	
Arm: 2.1 m (6' 11")		•
<b>Service</b>		
Tool kit, full scale	•	•
Spare parts	•	•

## SELECTION OF VOLVO OPTIONAL EQUIPMENT

