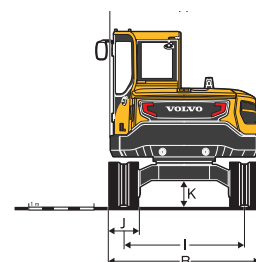
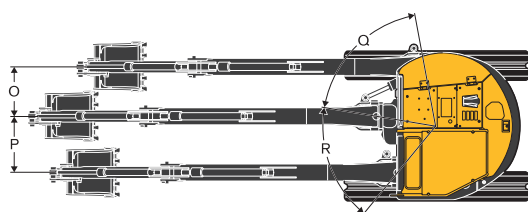
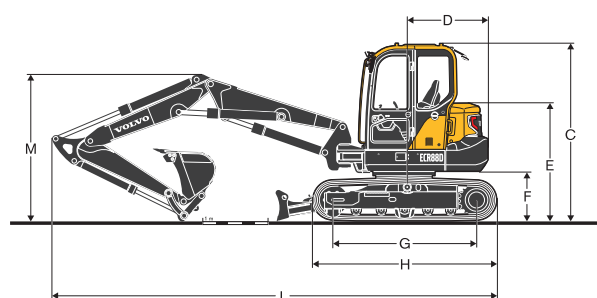
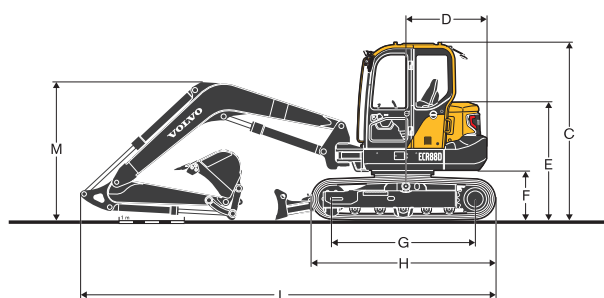


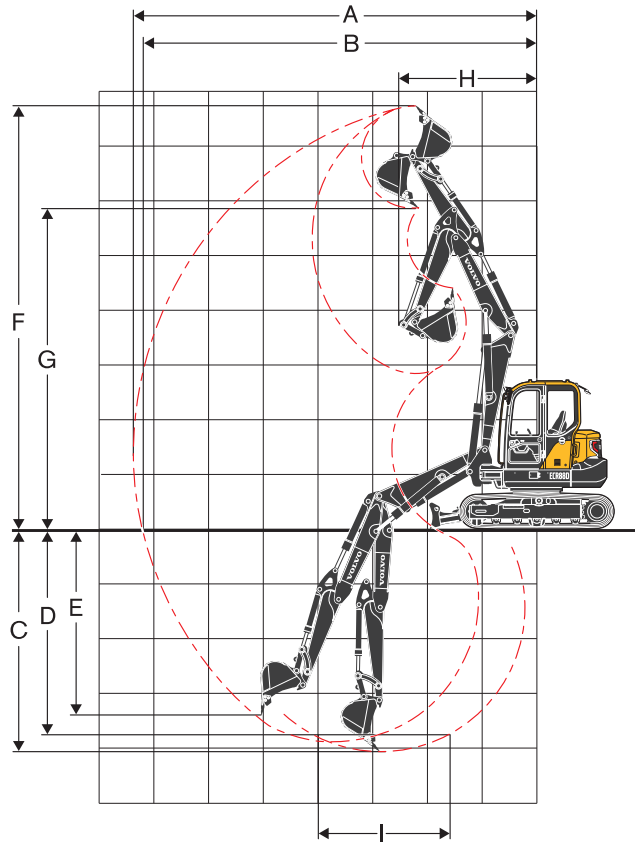
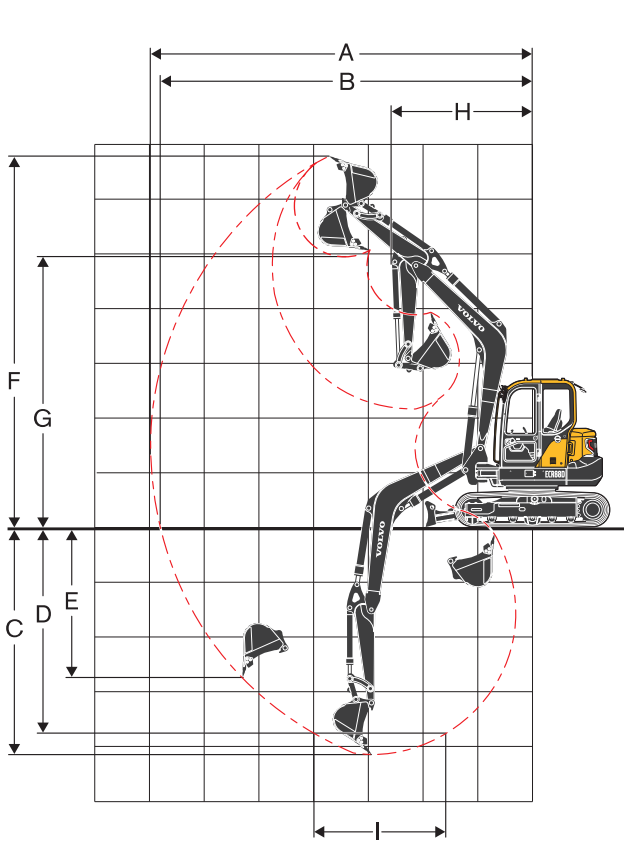
Specifications



DIMENSIONS

Machine		ECR88D				
Boom		3.55 (mono)		3.85 (2 pcs)		
Arm		1.7	2.1	1.7	2.1	
A	Overall width of upper structure	mm	2 210	2 210	2 213	2 213
B	Overall width	mm	2 300	2 300	2 300	2 300
C	Overall height of cab	mm	2 715	2 715	2 715	2 715
D	Tail swing radius	mm	1 290	1 290	1 320	1 320
E	Overall height of engine hood	mm	1 180	1 180	1 180	1 180
F	Counterweight clearance *	mm	760	760	760	760
G	Tumbler length	mm	2 200	2 200	2 200	2 200
H	Track length	mm	2 830	2 830	2 830	2 830
I	Track gauge	mm	1 850	1 850	1 850	1 850
J	Shoe width	mm	450	450	450	450
K	Min. ground clearance *	mm	405	405	405	405
L	Overall length	mm	6 370	6 420	6 810	6 860
M	Overall height of boom	mm	2 115	2 230	2 247	2 455
O	Boom swing distance	mm	760	760	756	756
P	Boom swing distance	mm	860	860	863	863
Q	Boom swing angle	°	70		70	
R	Boom swing angle	°	60		60	

* Without shoe grouser



WORKING RANGES

Description	Unit	3.55 (mono)		3.85 (2 pcs)		
Boom	m					
Arm	m	1.7	2.1	1.7	2.1	
A Max. digging reach	mm	6 970	7 350	7 380	7 790	
B Max. digging reach on ground	mm	6 800	7 180	7 220	7 640	
C Max. digging depth	mm	4 130	4 530	4 090	4 480	
D Max. digging depth (l=2 440mm level)	mm	3 750	4 200	3 790	4 220	
E Max. vertical wall digging depth	mm	2 820	3 200	3 430	3 870	
F Max. cutting height	mm	6 790	7 050	7 720	8 240	
G Max. dumping height	mm	4 960	5 220	5 840	6 380	
H Min. front swing radius	mm	2 560	2 640	2 530	2 700	
Digging forces with direct fit bucket						
Breakout force (bucket)	SAE J1179	kN	50.7	50.4	50.7	50.4
	ISO 6015	kN	57.2	56.8	57.2	56.8
Tearout force (arm)	SAE J1179	kN	38.9	33.8	38.9	33.8
	ISO 6015	kN	39.8	34.4	39.8	34.4
Rotation angle, bucket	°	190		190		

Specifications

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		2.0 m		3.0 m		4.0 m		5.0 m		6.0 m		Max. reach		mm	
		Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across	Along	Across		
		m	kg	m	kg	m	kg	m	kg	m	kg	m	kg	m	kg		
Boom	3.55m	5.0						*1 520	*1 520					*1 600	*1 600	4 585	
Arm	1.7m	4.0						*1 580	*1 580	*1 540	1 390			*1 560	1 230	5 345	
Shoe	450mm	3.0						*1 890	*1 890	*1 640	1 360			*1 540	1 060	5 789	
CWT	1 480kg	2.0				*3 700	2 830	*2 330	1 840	*1 830	1 310	*1 590	980	*1 580	980	6 003	
Dozer blade down	1.0							*2 690	1 750	*2 000	1 260	*1 630	960	*1 620	950	6 014	
	0.0						*3 800	2 640	*2 810	1 700	*2 070	1 230		*1 670	990	5 825	
	-1.0			*3 560	*3 560	*3 840	2 640	*2 690	1 690	*1 970	1 220			*1 700	1 100	5 410	
	-2.0			*4 790	*4 790	*3 200	2 690	*2 270	1 710					*1 710	1 370	4 695	
	-3.0					*1 880	*1 880							*1 500	*1 500	3 433	
Boom	3.55m	5.0						*1 520	*1 520					*1 600	1 520	4 850	
Arm	1.7m	4.0						*1 580	*1 580	*1 540	1 320			1 470	1 160	5 345	
Shoe	450mm	3.0				*2 490	*2 490	*1 890	1 850	1 630	1 290			1 270	1 000	5 789	
CWT	1 480kg	2.0				3 440	2 650	2 210	1 740	1 580	1 240	1 180	920	1 180	920	6 003	
Dozer blade up	1.0								1 220	1 640	1 530	1 190	1 160	900	1 160	900	6 014
	0.0						3 240	2 460	2 070	1 590	1 490	1 160		1 200	930	5 825	
	-1.0	*2 460	*2 460	*3 560	*3 560	3 250	2 470	2 050	1 580	1 480	1 150			1 330	1 030	5 410	
	-2.0			*4 790	*4 790	*3 200	2 510	2 080	1 610					1 650	1 280	4 695	
	-3.0					*1 880	*1 880							*1 500	*1 500	3 433	
Boom	3.55m	6.0												*1 510	*1 510	3 965	
Arm	2.1m	5.0								*1 380	*1 380			*1 320	*1 320	5 095	
Shoe	450mm	4.0								*1 340	*1 340			*1 230	1 070	5 776	
CWT	1 480kg	3.0						*1 650	*1 650	*1 470	1 370	*1 390	990	*1 210	940	6 184	
Dozer blade down	2.0					*3 160	2 900	*2 100	1 850	*1 680	1 310	*1 470	970	*1 240	870	6 382	
	1.0						*3 630	2 660	*2 520	1 740	*1 890	1 250	*1 560	940	*1 230	850	6 393
	0.0						*3 940	2 580	*2 730	1 670	*2 010	1 200	*1 590	920	*1 480	870	6 217
	-1.0	*2 660	*2 660	*3 090	*3 090	4 000	2 570	*2 720	1 640	*2 000	1 180			1 550	950	5 835	
	-2.0	*3 980	*3 980	*4 940	*4 940	*3 490	2 600	*2 440	1 650	*1 720	1 200			*1 580	1 140	5 192	
	-3.0			*3 870	*3 870	*2 510	*2 510	*1 650	*1 650					*1 530	*1 530	4 133	
Boom	3.55m	6.0												*1 510	*1 510	3 965	
Arm	2.1m	5.0								*1 380	1 330			*1 320	1 280	5 095	
Shoe	450mm	4.0								*1 340	1 330			*1 230	1 010	5 776	
CWT	1 480kg	3.0						*1 650	*1 650	*1 470	1 290	1 200	930	1 130	880	6 184	
Dozer blade up	2.0					*3 160	2 720	*2 100	1 750	1 570	1 230	1 170	910	1 050	810	6 382	
	1.0						3 270	2 480	2 110	1 630	1 510	1 170	1 140	880	1 030	790	6 393
	0.0						3 180	2 400	2 030	1 560	1 460	1 130	1 120	860	1 060	810	6 217
	-1.0	*2 660	*2 660	*3 090	*3 090	3 170	2 390	2 010	1 540	1 440	1 110			1 160	890	5 835	
	-2.0	*3 980	*3 980	*4 940	*4 940	3 200	2 420	2 020	1 550	1 460	1 120			1 390	1 070	5 192	
	-3.0			*3 870	*3 870	*2 510	2 500	*1 650	1 610					*1 530	*1 530	4 133	
Boom	3.55m	5.0						*1 520	*1 520					*1 600	*1 600	4 585	
Arm	1.7m	4.0						*1 580	*1 580	*1 540	1 470			*1 560	1 310	5 345	
CWT	1 690kg	3.0				*2 490	*2 490	*1 890	*1 890	*1 640	1 440			*1 540	1 130	5 789	
Dozer blade down	2.0					*3 700	2 990	*2 330	1 950	*1 830	1 390	*1 590	1 040	*1 580	1 040	6 003	
	1.0							*2 690	1 860	*2 000	1 340	*1 630	1 020	*1 620	1 020	6 014	
	0.0						*3 800	2 800	*2 810	1 810	*2 070	1 310		*1 670	1 050	5 825	
	-1.0			*3 560	*3 560	*3 840	2 810	*2 690	1 790	*1 970	1 300			*1 700	1 170	5 410	
	-2.0			*4 790	*4 790	*3 200	2 850	*2 270	1 820					*1 710	1 450	4 695	
	-3.0					*1 880	*1 880							*1 500	*1 500	3 433	
Boom	3.55m	5.0						*1 520	*1 520					*1 600	*1 600	4 585	
Arm	1.7m	4.0						*1 580	*1 580	*1 540	1 390			1 550	1 240	5 345	
CWT	1 690kg	3.0				*2 490	*2 490	*1 890	*1 890	*1 640	1 360			1 340	1 060	5 789	
Dozer blade up	2.0					3 620	2 800	2 330	1 840	1 660	1 310	1 250	980	1 250	980	6 003	
	1.0								2 230	1 750	1 610	1 270	1 230	960	1 220	960	6 014
	0.0						3 410	2 610	2 180	1 700	1 580	1 230		1 270	990	5 825	
	-1.0			*3 560	*3 560	3 420	2 620	2 170	1 690	1 570	1 230			1 410	1 100	5 410	
	-2.0			*4 790	*4 790	*3 200	2 660	2 190	1 710					*1 710	1 370	4 695	
	-3.0					*1 880	*1 880							*1 500	*1 500	3 433	
Boom	3.55m	6.0												*1 510	*1 510	3 965	
Arm	2.1m	5.0								*1 380	*1 380			*1 320	*1 320	5 095	
CWT	1 690kg	4.0								*1 340	*1 340			*1 230	1 140	5 776	
Dozer blade down	3.0							*1 650	*1 650	*1 470	1 450	*1 390	1 060	*1 210	1 000	6 184	
	2.0					*3 160	3 060	*2 100	1 960	*1 680	1 390	*1 470	1 030	*1 240	930	6 382	
	1.0						*3 630	2 820	*2 520	1 850	*1 890	1 330	*1 560	1 000	*1 320	900	6 393
	0.0						*3 940	2 740	*2 730	1 780	*2 010	1 280	*1 590	980	*1 480	930	6 217
	-1.0	*2 660	*2 660	*3 090	*3 090	4 000	2 730	*2 720	1 750	*2 000	1 260			*1 550	1 020	5 835	
	-2.0	*3 980	*3 980	*4 940	*4 940	*3 490	2 760	*2 440	1 760	*1 720	1 280			*1 580	1 220	5 192	
	-3.0			*3 870	*3 870	*2 510	*2 510	*1 650	*1 650					*1 530	*1 530	4 133	

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.