

VOLVO TRACKED FORESTRY CARRIERS

RESEARCHED, DESIGNED AND PURPOSE
BUILT FOR NEW ZEALAND



TDX

World-class experience.
Local know-how.



VOLVO TRACKED FORESTRY CARRIERS

Built on extensive research by Volvo, visiting and consulting with many New Zealand Forestry contractors on their sites, Volvo have established what is required to meet the harsh New Zealand Forestry conditions.

Safety standards in line with Volvo's core values have been met on the new Volvo Forestry Carrier range which is truly a purpose built forestry carrier built specifically for the New Zealand market.

With a factory build forestry spec cab, heavy duty under guarding and machine guarding, heavy duty boom and high lift, slew bearing guard, forestry spec final drive ratio, heavy counterweight and a factory high and wide undercarriage the new Volvo Forestry Carrier is ready to go straight to work to meet the ever demanding conditions.

Models currently available: EC250DL, EC300DL and EC380DL.



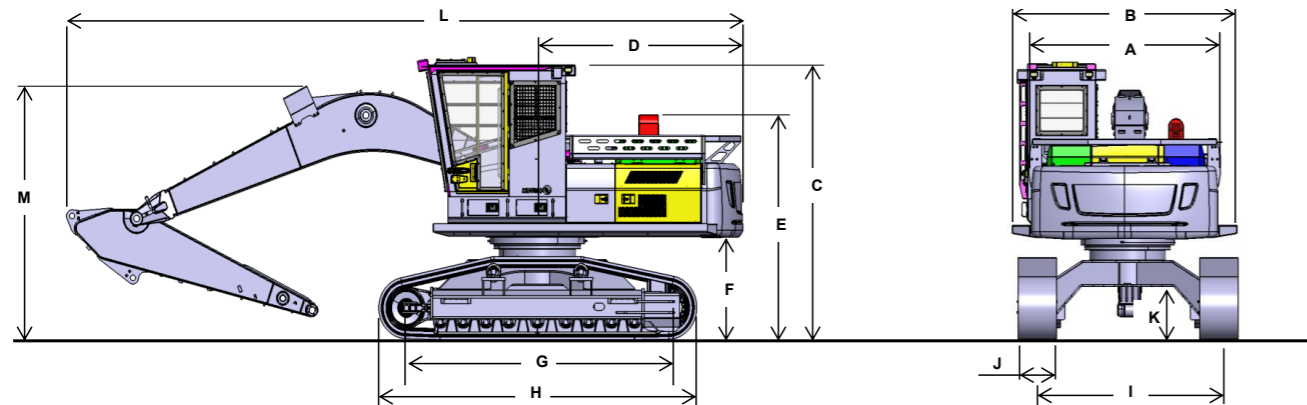
SPECIFICATIONS

DESCRIPTION		VOLVO EC250DL	VOLVO EC300DL	VOLVO EC380DL	
ENGINE	Engine Model	Volvo D7E EBE3	Volvo D7E EAE3	Volvo D13F	
	Maximum HP At	At 1,800 rpm	At 1,800 rpm	At 1,700 rpm	
	Gross kW / HP	138 kW / 188 hp	153 kW / 231 hp	215kW/ 292 hp	
	Net kW / HP (ISO 9249 / J1349)	125 kW / 186 hp	143 kW / 230 hp	208 kW / 283 hp	
	Maximum Torque (1,350 rpm)	870 Nm	1080 Nm	1300Nm	
	Displacement	7.1 L	7.1 L	12.8L	
	Bore	108 mm	108 mm	131 mm	
	Stroke	130 mm	130 mm	158mm	
ELECTRICAL	Voltage	24 volt	24 volt	24 volt	
	Batteries	2 x 12 volt	2 x 12 volt	2 x 24 volt	
	Battery Capacity	200 Ah	200 Ah	200 Ah	
	Alternator	28 volt 80 amp	28 volt 80 amp	28 volt 80 amp	
CAPACITIES	Fuel Tank	470 L	470 L	620L	
	Hydraulic System (Total)	400 L	400 L	485L	
	Hydraulic Tank	195 L	195 L	227L	
	Engine Oil	32 L	32 L	42L	
	Engine Coolant	41 L	41 L	60L	
	Swing Reduction Unit	5.9 L	6 L	6.5L	
SWING	Maximum Swing Speed	11.4 rpm	10.2 rpm	10.3 rpm	
	Swing Torque	85.6 kNm	104.3 kNm	130 kNm	
DRIVE	Maximum Speed	4.6 km/h	3.8 km/h	4.3 km/h	
	Gradeability	35 deg / 70%	35 deg / 70%	35 deg / 70%	
UNDER-CARRIAGE	Tractive force kn /lb	230 kn / 51,706 lb	258 kn / 58,001 lb	336 kn / 74,800 lb	
	Track Pads	2 x 50	2 x 48	2 x 52	
	Link Pitch	203 mm	215 mm	215mm	
	Show Width (Triple Grouser)	700 mm DG	700 mm DG	700mm DG	
	Bottom Rollers	2 x 9	2 x 9	2 x 9	
	Top Rollers	2 x 2	2 x 2	2 x 2	
HYDRAULICS	Main Pump	Type	2x Variable Displacement Axial Piston Pumps		
		Max Flow	2 x 240 L/min	2 x 263 L/min	2 x 300 L/min
	Pilot Pump	Type	Gear Pump		
		Max Flow	18L PM	18L PM	31L PM
	Hydraulic Motors	Travel	Variable Displacement Axial Piston Motor With Mechanical Brake		
		Swing	Fixed Displacement Axial Piston Motor With Mechanical Brake		
	Hydraulic Cylinders	Boom	135 mm x 1,346 mm	140 mm x 1,480 mm	160 x 1,530mm
		Arm	140 mm x 1,665 mm	150 mm x 1,745 mm	175 x 1,750 mm
		Bucket	130 mm x 1,150 mm	140 mm x 1,140 mm	145 x 1,285mm

GROUND PRESSURE

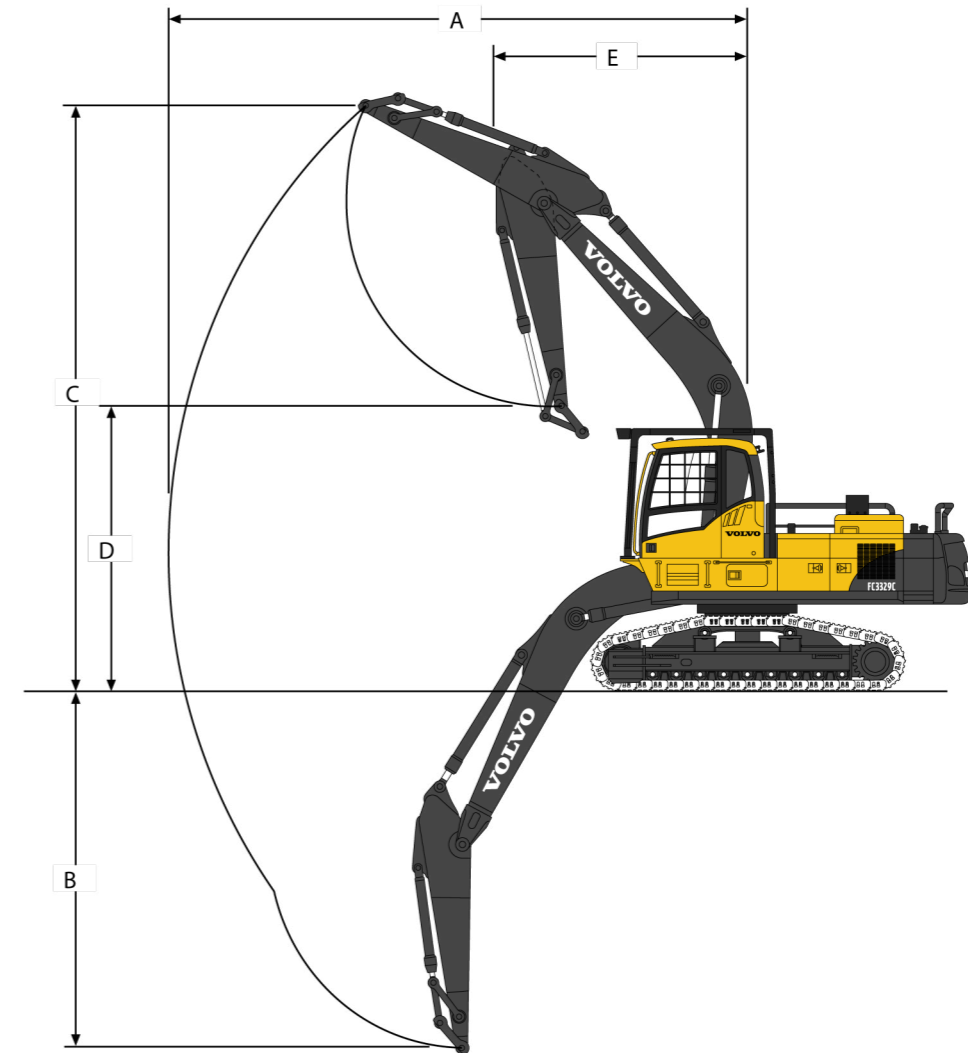
DESCRIPTION	OPERATING WEIGHT	TRACK WIDTH	SHOE WIDTH	GROUND PRESSURE
EC250DL (Standard) Boom: 6.0 m Arm: 2.97 m Counterweight: 4,520 kg	33,000 kg	3,500 mm	700 mm	52.0 kPa
EC300DL (Standard) Boom: 6.2 m Arm: 3.05 m Counterweight: 5,417 kg	37,000 kg	3,500 mm	700 mm	57.9 kPa
EC380DL (Standard) Boom: 6.45 m Arm: 3.2 m Counterweight: 8,500 kg	47,000 kg	3,500 mm	700 mm	68.6 kPa

DIMENSIONS



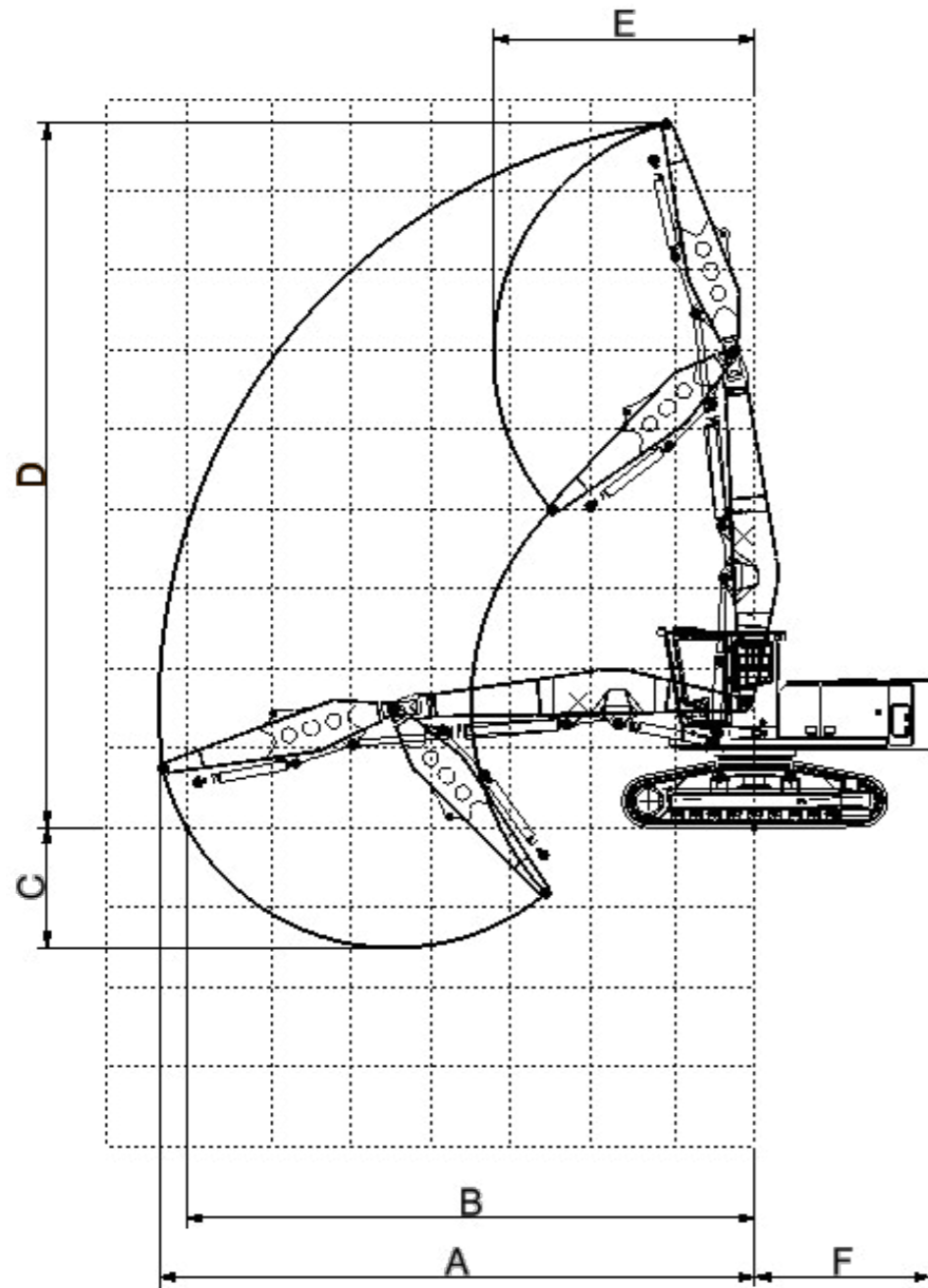
DESCRIPTION	VOLVO EC250DL	VOLVO EC300DL	VOLVO EC380DL
Boom	6.0 m	6.2 m	6.45 m
Arm	2.97 m	3.05 m	3.2 m
Frame	High walker (cab riser 365mm)	High walker (cab riser 365mm)	High walker 365 mm cab rise
A) Overall Width of Upper	2,890 mm	2,890 mm	2,990 mm
B) Overall Width	3,490 mm	3,490 mm	3,590 mm
C) Overall Height of Cab	3,870 mm	3,920 mm	3,590 mm
D) Tail Swing Radius	3,150 mm	3,196 mm	3,502 mm
E) Overall Height of Engine Hood	3,090 mm (Muffler guard)	3,090 mm (Muffler guard)	3355 mm (Muffler guard)
F) Counterweight Clearance	1,370 mm	1,420 mm	1,365 mm
G) Tumbler Length	4,015 mm	4,020 mm	4,240 mm
H) Track Length	4,850 mm	4,990 mm	5,180 mm
I) Track Gauge	2,800 mm	2,800 mm	2,740 mm
J) Shoe Width	700 mm	700 mm	700 mm
K) Minimum Ground Clearance	700 mm	730 mm	709 mm
L) Overall Length	1,0360 mm	1,0385 mm	11,105 mm
M) Overall Height of Boom	3,425 mm	3,425 mm	3,385 mm

WORKING RANGES



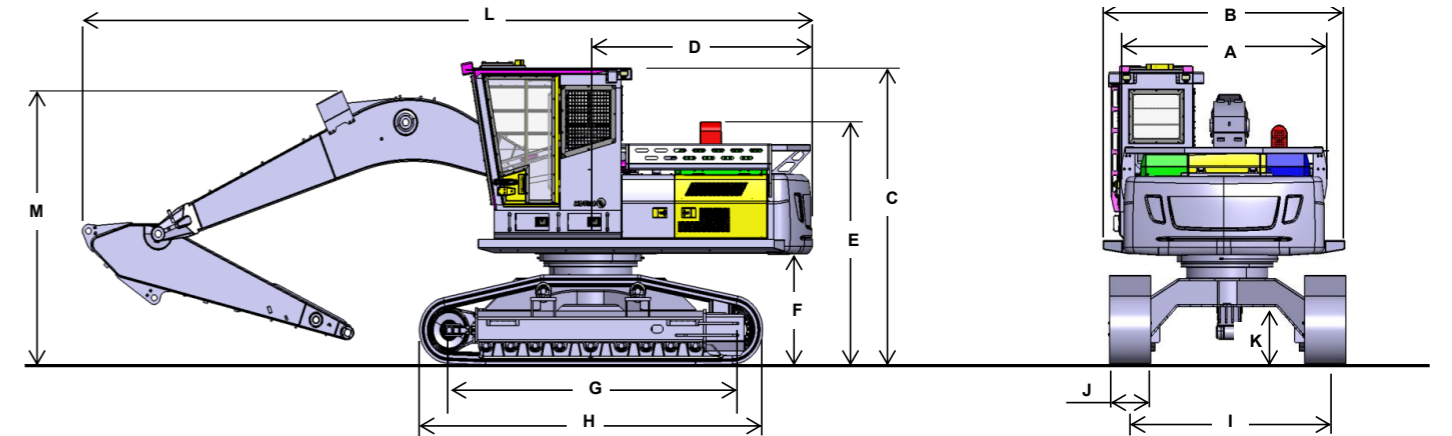
DESCRIPTION	VOLVO EC250DL	VOLVO EC300DL	VOLVO EC380DL
Frame	High walker with boom riser	High walker with boom riser	High walker with boom riser
Boom	6.0 m	6.2 m	6.45 m
Arm	2.97 m	3.05 m	3.2 m
A) Maximum Reach from Swing Centre	8,720 mm	9,090 mm	10,430 mm
B) Maximum Depth from Ground	4,145 mm	4,665 mm	5,880 mm
C) Maximum Lifting Height	10,295 mm	10,570 mm	10,710 mm
D) Maximum Height on Dumping	5,300 mm	5,405 mm	7,080 mm
E) Minimum Front Swing Radius	1,995 mm	2,450 mm	4,780 mm

SPECIFICATION: LOG LOADER BOOM AND ARM FOR VOLVO EC300E FC



	DESCRIPTION	UNIT	DIMENSION
A	Max. Reach	mm	11,207 (36' 9")
B	Max. Reach at Ground Level	mm	10,808 (35' 6")
C	Max. Working depth	mm	2,499 (8' 2")
D	Max. Working Height	mm	13,158 (43' 2")
E	Min. Front Swing Radius	mm	5,261 (17' 3")
F	Tail Swing Radius	mm	3,485 (11' 5")

OVERALL DIMENSIONS WITHOUT LIVE HEEL



* Without shoe grouser

DESCRIPTION	UNIT	EC300E
Boom for log loader	M (Ft-In)	6.62 (21' 9")
Arm for log loader	M (Ft-In)	4.5 (14' 9")
Frame		High walker, Cab riser 200mm (7.9")
A. Overall width of upper structure	M (Ft-In)	3490 (11' 5")
B. Overall width	M (Ft-In)	3500 (11' 6")
C. Overall height of cab (Cab riser 325mm)	mm	3711(3836) / 12' 2" (12' 7")
D. Tail slew radius	mm	3485 (11' 5")
E. Overall height of engine hood	mm	3394 (11' 2") @ Hand-rail guard
F. *Counterweight clearance	mm	1367 (4' 6")
G. Tumbler length	mm	4015 (13' 2")
H. Track length	mm	4850 (15' 11")
I. Track gauge	mm	2800 (9' 2")
J. Shoe width	mm	700 (2' 4")
K. *Min. ground clearance	mm	733 (2' 5")
L. Overall length	mm	9912 (32' 6")
M. Overall height of Boom	mm	4414 (14' 6")
Total Weight	Kg (lb)	42820 (94400)

VOLVO TRACKED FORESTRY CARRIER FEATURES



Reinforced side doors with heavy duty screens protect coolers and pumps while providing maximum air flow.



Easy access heavy duty panels, doors, hinges and lockable latches protect electrical components and simplify ground level maintenance and service.



Heavy duty right-side body deflector rail and reinforced right corner guard post. With spacious lockable tool storage.



Heavy duty rear body deflector rail and top rails for added protection



Volvo Forestry Care Cab with standard 400 mm cab riser and full forestry guarding meets global safety standards. Front window is 32 mm safety glass.



Factory high lift boom and arm with heavy duty forestry guarding, integrated piping, hydraulic cylinder and work light guarding.



Boom cylinder guard. Optical boom foot riser increases boom and arm reach and overall machine stability.



Punched 305 mm steel-plate anti-slip catwalks and platforms provide superior grip when servicing in wet or icy conditions.



Purpose-built, high-walker undercarriage and high capacity track motors with heavy duty track motor covers.



Heavy duty full length track rock guards. Dual mounted bottom rollers on top. Reinforced idlers with derail guards.



Enhanced heavy duty underbody guarding with bolt-head protection keeps forestry debris and rocks from damaging the super structure.



Heavy duty swing-ring guarding provides full protection for swing-ring bearing and grease piping.

****Some images may contain optional extras not supplied on standard machines**

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Local know-how.



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