

V O L V O



Volvo Combination Rollers 2.7 t / 6,005 lb 49.6 hp

CR30B

Volvo Construction Equipment

CR30B



Power to perform

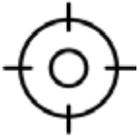
The new Tier 4 Final-compliant engine delivers high performance, without the need to stop for regeneration.



Seal the mat

The four rear-mounted pneumatic tires manipulate the compacted material to improve surface texture and reduce water intrusion

Compact machine, big performance



Productivity on tap

The rustproof, pressurized water system provides full coverage to the drum surface to prevent asphalt pick-up, while the emulsion system prevents material pick-up on the tires.



Consistent compaction

Prevent over-compaction with the auto-vibration system, which automatically engages vibration when the machine reaches approximately 2.4 km/h (1.5 mi/h), and disengages when the speed drops below 1.9 km/h (1.2 mi/h).



Roll with the experts

Built on decades of engineering excellence, the machined drums produce a smooth, mark-free mat thanks to their chamfered and rounded edges.



Intuitive operation

Consistent with other Volvo T4F compactors, the easy-to-use side console enables you to fine-tune adjustments while compaction is underway.



Drive your costs down

Cut fuel consumption with the auto-idle option, which reduces the engine speed when controls are inactive for over sixty seconds.



Transportability

For ease of transportation, the foldable ROPS option can be easily collapsed without the need for special tools.



Comfortable and convenient

Stay comfortable in the updated operator's platform, offering a conveniently located cup holder and power port.



Simple serviceability

For ease of maintenance, the hinged engine hood tilts forward, providing ground-level access to the engine and hydraulic components.

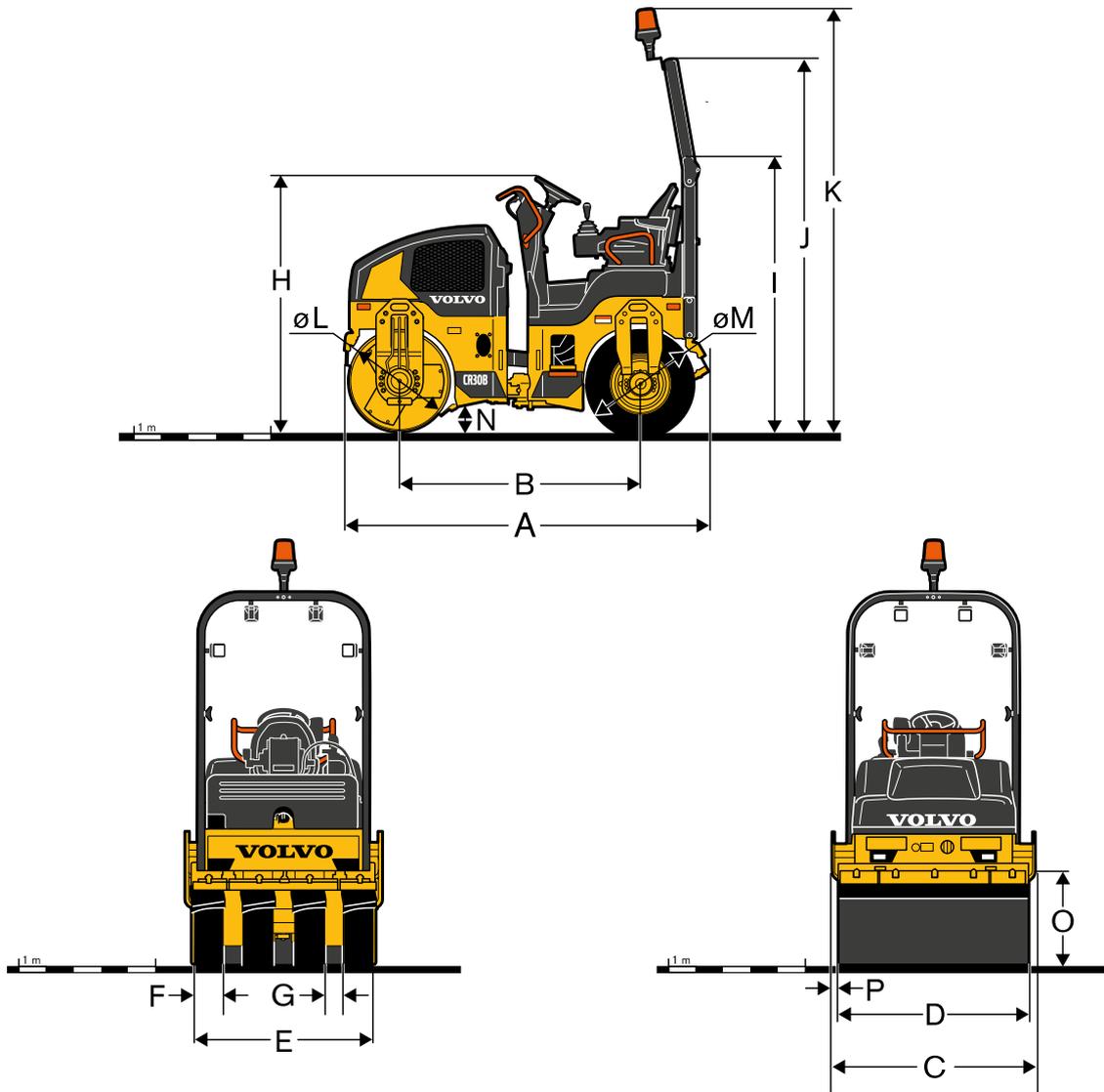


All angles in view

Roll worry-free with an optimally positioned sliding seat and sloping engine hood design, offering 360° visibility.

Specifications

Model				CR30B	
Machine weights (w/ ROPS)					
Operating weight	kg	lb	2,724		6,005
Weight @ front drum	kg	lb	1,417		3,125
Weight @ rear tires	kg	lb	1,306		2,880
Shipping weight	kg	lb	2,477		5,460
Drum					
Width	mm	in	1,200		47.2
Diameter	mm	in	732		28.8
Shell thickness	mm	in	12		0.5
Finish	Machined, chamfered edge				
Tires					
Number					4
Size	mm	in	190.5 X 381 12PR		7.5" X 15" 12 PR
Tire Load	kN	lb	3.2		720
Tire wipers	Steel Scraper				
Vibration					
Frequency	Hz	vpm	69		4,140
Nominal amplitude	mm	in	0.43		0.02
Centrifugal force	kN	lb	33.9		7,615
Propulsion					
Type	Closed-loop, hydrostatic, parallel circuit				
Drum drive	Pump: axial piston; Motor: radial piston, low speed, high torque				
Travel speed	km/h	mi/h	0 - 11.8		0 - 7.3
Engine					
Make / model	Kubota D1803-CR-TE4B				
Engine type	3-cylinder diesel				
Rated power @ 2,700 r/min	kW	hp	37		49.6
Electrical	12 volts DC, negative ground; 60 A alternator				
Brakes					
Service	Dynamic hydrostatic through propulsion system				
Parking secondary	Spring-applied, hydraulically released (SAHR)				
Water system					
Type	Pressurized				
Nozzles	5 hand servicable at drum, 1 per tire (4)				
Filtration	80 mesh in-line with 100 mesh @ nozzles				
Drum wipers	Spring-loaded, self-adjusting, rubber wipers				
Water tank capacity	l	gal	299		79
Miscellaneous					
Articulation angle					+ / - 30°
Oscillation angle					+ / - 10°
Inside turning radius (to drum edge)	mm	in	2,648		104.3
Fuel tank capacity	l	gal	66		17.4
Hydraulic oil capacity	l	gal	85		22.4
Emulsion capacity	l	gal	20.4		5.4
Gradeability (theoretical)					45



Dimensions	CR30B	
	mm	in
A	2,614	102.9
B	1,742	68.6
C	1,303	51.3
D	1,200	47.2
E	1,150	45.3
F	213	8.4
G	83	3.3
H	1,842	72.5
I	1,991	78.4
J	2,725	107.3
K	2,980	117.3
L	732	28.8
M	775	30.5
N	185	7.3
O	445	17.5
P	61	2.4

Equipment

STANDARD EQUIPMENT

Engine

Battery Disconnect Switch
US EPA T4F compliant engine

Operator Environment

Open ROPS
Sliding operator seat
Seat switch with timer delay
Cup holder
Anti-slip floor
Seat belt
Seat belt alarm
12 volt power point

Vibration and drum system

Single speed vibration

Electrics and electronics

Easily accessible fuses and relays
Permanent fuel level display
Permanent water level indicator
Information display:
-Fluid temperatures
-Engine speed
-Vehicle speed
Emergency stop button

Other

Hand servicable spray nozzles
Adjustable spray flow rate
„Racetrack“ maintenance decal

OPTIONAL EQUIPMENT

Engine

Auto Idle

Operator Environment

Foldable arch-ROPS
Open ROPS/FOPS canopy
Mirror
Steering knob
Vandal cover

Electrics and electronics

Work lights
Work lights in frame
Roading lights
Strobe lights
Rotating Beacon
Backup alarm
Anti-theft
Engine oil pressure display
Caretrack

Water system

Cocoa mats installation
Water Strainer

Other

Lifetime Frame Guarantee
Bio-degradable oil
Special Paint
Hydraulic test ports
ROPS ship loose
License Plate



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