

**V O L V O**



Volvo Combination Rollers 3.0 t / 6,515 lb 49.6 hp

**CR35B**

Volvo Construction Equipment

# CR35B



## Power to perform

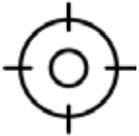
The new Tier 4 Final-compliant engine delivers high performance, without the need to stop for regeneration.



## 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.

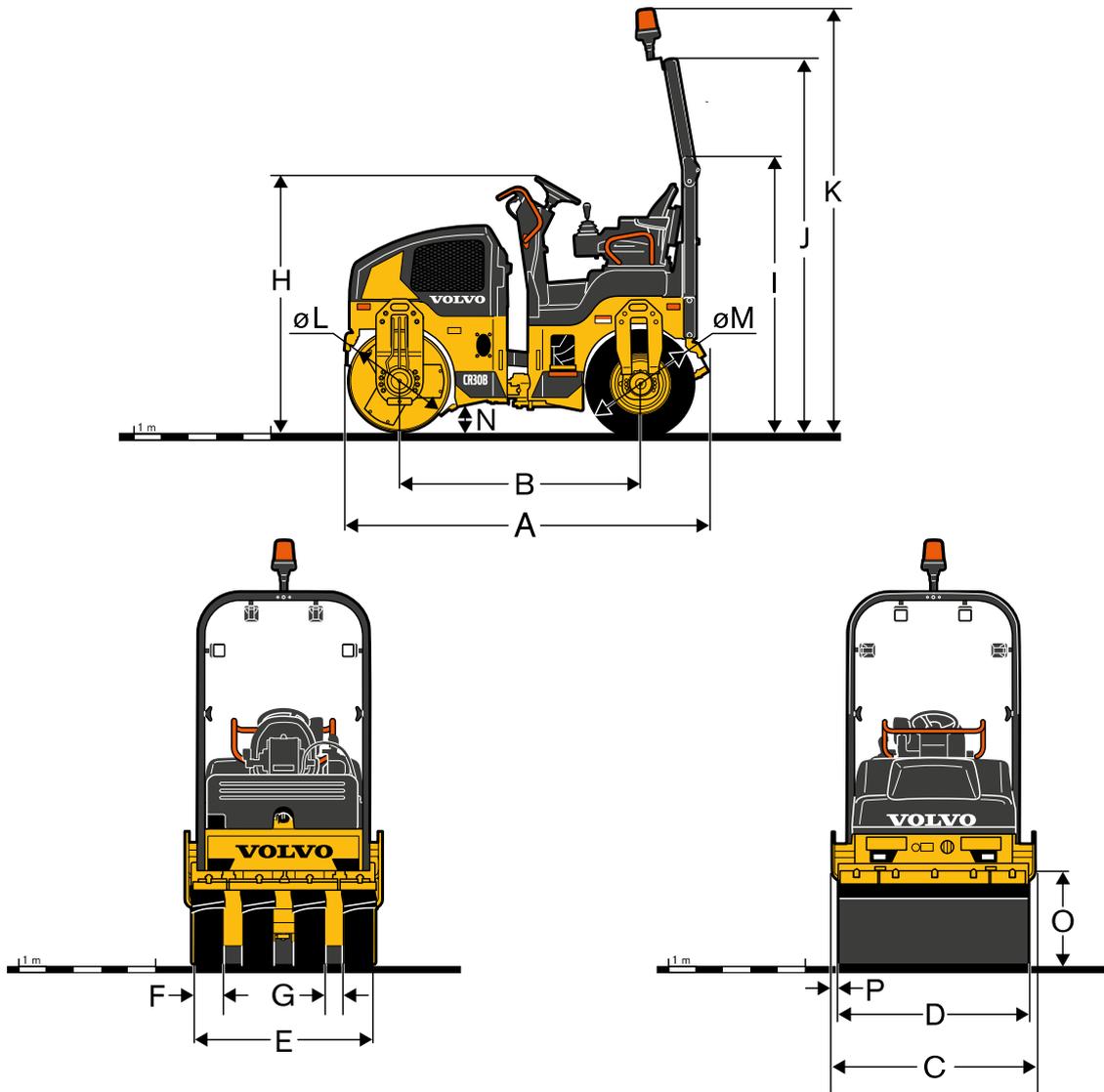


## All angles in view

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

# Specifications

Model				CR35B	
<b>Machine weights (w/ ROPS)</b>					
Operating weight	kg	lb	2,961		6,515
Weight @ front drum	kg	lb	1,518		3,340
Weight @ rear tires	kg	lb	1,443		3,175
Shipping weight	kg	lb	2,714		5,970
<b>Drum</b>					
Width	mm	in	1,320		52.0
Diameter	mm	in	736		29
Shell thickness	mm	in	14		0.55
Finish	Machined, chamfered edge				
<b>Tires</b>					
Number			4		
Size	mm	in	190.5 X 381 12PR		7.5" X 15" 12 PR
Tire Load	kN	lb	3.5		794
Tire wipers	Steel Scraper				
<b>Vibration</b>					
Frequency	Hz	vpm	69		4,140
Nominal amplitude	mm	in	0.37		0.015
Centrifugal force	kN	lb	35.8		8,050
<b>Propulsion</b>					
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
<b>Engine</b>					
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				
<b>Brakes</b>					
Service	Dynamic hydrostatic through propulsion system				
Parking secondary	Spring-applied, hydraulically released (SAHR)				
<b>Water system</b>					
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
<b>Miscellaneous</b>					
Articulation angle	°		+ / - 30°		
Oscillation angle	°		+ / - 10°		
Inside turning radius (to drum edge)	mm	in	2,587		101.9
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)	%		41		



Dimensions	CR35B	
	mm	in
A	2,614	102.9
B	1,742	68.6
C	1,435	56.5
D	1,320	52.0
E	1,300	51.2
F	213	8.4
G	141	5.6
H	1,842	72.5
I	1,991	78.4
J	2,725	107.3
K	2,980	117.3
L	736	29.0
M	775	30.5
N	185	7.3
O	445	17.5
P	61	2.4

# Equipment

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## STANDARD EQUIPMENT

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### 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

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## OPTIONAL EQUIPMENT

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### 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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