

Technical data

HD 138i VO



Tandem rollers Series HD

Tandem roller with vibration and oscillation drum

H261

HIGHLIGHTS

- > 3-point articulation for even weight distribution and excellent directional stability
- > Ergonomic driver platform with rotatable seat operating unit and adjustable driver's seat
- > Track offset for comfortable starting and driving away and compacting at curbsides
- > Simple, intuitive and language-neutral control
- > Excellent view of machine and construction site

TECHNICAL DATA HD 138i VO (H261)

Weights

Operating weight with cab	kg lbs	13155 29,007
Max. operating weight	kg lbs	14000 30,870
Axle load, front/rear	kg lbs	6960/6195 15,347/13,660
Axle load for max. operating weight, front/rear	kg lbs	7360/6640 16,229/14,641
Static linear load, front/rear	kg/cm lbs/in	32,5/28,9 182.0/161.8

Machine dimensions

Total length	mm in	5300 208.7
Total height with cab	mm in	2983 117.4
Total height with plastic protective roof	mm in	3033 119.4
Height loading, min.	mm in	2585 101.8
Center distance	mm in	3895 153.3
Total width with cab	mm in	2267 89.3
Maximum working width	mm in	2310 90.9
Ground clearance, center	mm in	347 13.7
Curb clearance, left/right	mm in	833/833 32.8/32.8
Turning radius, inside	mm in	5980 235.4

Drum dimensions

Drum width, front/rear	mm in	2140/2140 84.3/84.3
Drum diameter, front/rear	mm in	1400/1400 55.1/55.1
Drum thickness, front/rear	mm in	19/19 0.7/0.7
Drum type, front		Smooth/non-split
Drum type, rear		Smooth/non-split
Track offset, left/right	mm in	170 6.7

Diesel engine

Manufacturer		CUMMINS
Model		F4.5CS4168
Cylinders, quantity		4
Power ISO 14396, kW/PS/rpm		125/170/2200
Power SAE J1349, kW/HP/rpm		125/168/2200
Exhaust emission standard		MEE IV
Exhaust gas after-treatment		DOC-DPF

Travel drive

Regulation, infinitely variable		HAMMTRONIC
Gradeability, with/without vibration	%	35/39

Vibration

Vibration frequency, front, I/II	Hz vpm	43/60 2,580/3,600
Amplitude, front, I/II	mm in	0,62/0,24 .024/.009
Centrifugal force, front, I/II	kN lbs	145,5/113,7 32,738/25,582

Oscillation

Oscillation force, rear	kN lbs	170,5 38,362
Oscillation frequency, rear	Hz vpm	36 2,160
Tangential amplitude, rear	mm in	1,10 .043

Steering

Steering angle +/-	°	30
Swing angle +/-	°	10
Steering, type		Articulated steering

Water-sprinkling system

Water sprinkling, type		Pressure
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Tank capacity/filling capacity

Fuel tank, capacity	L Gal	240 63.4
Water tank, capacity	L Gal	1145 302.5

Sound level

Sound power level L(WA), guaranteed	db(A)	
Sound power level L(WA), representative measurement	db(A)	110

EQUIPMENT

2 x water pumps | Folding scraper | Dashboard with displays, indicator lights and switches | Tiltable dashboard | Spring-mounted driver's seat with armrests and seat belt | HAMMTRONIC – electronic machine management | Seat operating unit, adjustable sideways and rotatable | Track offset | Compaction parameters adjustable per axle | Water-sprinkling system with spray bars front and rear | Water filter system (3-fold) | Water tank front and rear, can be filled from both sides | Central water outlet

OPTIONAL EQUIPMENT

Heating and air-conditioning system | Frequency control | Track offset display | Camera system | Back-up alarm | Working spotlights | Drum edge lighting | Battery isolation switch | Locking device | Tool kit