

Technical data

HD 12i VO



Tandem rollers Series HD CompactLine

Tandem roller with vibration and oscillation drum

H251

HIGHLIGHTS

- > Compaction with oscillation
- > Compact dimensions
- > Excellent view of drum edge, machine and construction site environment
- > Simple, intuitive and language-neutral control
- > Ergonomic driver platform

TECHNICAL DATA HD 12i VO (H251)

Weights

Operating weight with ROPS	kg lbs	2755 6,075
Max. operating weight	kg lbs	3470 7,651
Axle load, front/rear	kg lbs	1335/1420 2,944/3,131
Static linear load, front/rear	kg/cm lbs/in	11,1/11,8 62.2/66.1
French classification, value/class		11,8/PV3

Machine dimensions

Total length	mm in	2530 99.6
Total height with ROPS	mm in	2475 97.4
Height loading, min.	mm in	1752 69.0
Center distance	mm in	1700 66.9
Total width	mm in	1310 51.6
Maximum working width	mm in	1250 49.2
Ground clearance, center	mm in	280 11.0
Curb clearance, left/right	mm in	570/570 22.4/22.4
Turning radius, inside	mm in	2370 93.3

Drum dimensions

Drum width, front/rear	mm in	1200/1200 47.2/47.2
Drum diameter, front/rear	mm in	720/720 28.3/28.3
Drum thickness, front/rear	mm in	15/15 0.6/0.6
Drum type, front		Smooth/non-split
Drum type, rear		Smooth/non-split
Track offset, left/right	mm in	0/50 0.0/2.0

Diesel engine

Manufacturer		KUBOTA
Model		D1803-CR-E5B
Cylinders, quantity		3
Power ISO 14396, kW/PS/rpm		24,6/33,4/2400
Power SAE J1995, kW/HP/rpm		25,0/33,5/2400
Exhaust emissions category, EU		EU Stage 5
Exhaust emissions category, USA		EPA Tier 4
Exhaust gas after-treatment		DOC-DPF

Travel drive

Speed, infinitely variable	km/h	0 - 10,6
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Travel drive

	mph	0.0 - 6.6
Gradeability, with/without vibration	%	35/40

Vibration

Vibration frequency, front, level I/II	Hz vpm	65/51 3,900/3,060
Amplitude, front, level I/II	mm in	0,45/0,45 .018/.018
Centrifugal force, front, level I/II	kN lbs	49/30 11,025/6,750

Oscillation

Oscillation force, rear, level I/II	kN lbs	39/23 8,775/5,175
Oscillation frequency, rear, level I/II	Hz vpm	38/29 2,280/1,740
Tangential amplitude, rear, level I/II	mm in	1,14/1,14 .045/.045

Steering

Pendulum angle +/-	°	8
Steering, type		Articulated steering

Water-sprinkling system

Water sprinkling, type		Pressure
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Tank capacity/filling capacity

Fuel tank, capacity	L Gal	42 11.1
Water tank, capacity	L Gal	180 47.6

Sound level

Sound power level L(WA), guaranteed	db(A)	106
Sound power level L(WA), representative measurement	db(A)	103

EQUIPMENT

12 V power socket | 3-point articulation | Dashboard with displays, indicator lights and switches | Dashboard cover, lockable and weather-resistant | Pressure water sprinkling system | Driver's platform with access from both sides | Drive lever, left and right | Track offset, mechanical | Automatic vibration system | Water filter system (3-fold) | Central lifting bracket | Central water outlet | Lighting package for driving on public roads

OPTIONAL EQUIPMENT

Plastic scraper, folding | Equipment Management | Seat belt monitoring device | Protective roof | Edge pressing and cutting device | Edge pressing and cutting device, track indicator | Water drain valve | All-wheel lock | HAMM Compaction Meter (HCM) | HAMM Temperature Meter (HTM) | Working spotlights | Rotating beacon | Automatic engine stop | Tow hitch