

Technical data

HD 14i VO



Tandem rollers Series HD CompactLine

Tandem roller with vibration and oscillation drum

H285

HIGHLIGHTS

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

TECHNICAL DATA HD 14i VO (H285)

Weights

Operating weight with cab	kg lbs	4785 10,551
Operating weight with ROPS	kg lbs	4535 10,000
Empty weight without cab, without ROPS	kg lbs	4215 9,294
Max. operating weight	kg lbs	5730 12,635
Axle load, front/rear	kg lbs	2250/2280 4,961/5,027
Static linear load, front/rear	kg/cm lbs/in	16,3/16,5 91.3/92.4
French classification, value/class		10,6/VT0

Machine dimensions

Total length	mm in	2965 116.7
Total height with cab	mm in	2720 107.1
Total height with ROPS	mm in	2590 102.0
Height loading, min.	mm in	1820 71.7
Total length with cab	mm in	2977 117.2
Center distance	mm in	1950 76.8
Center distance with cab	mm in	1960 77.2
Total width	mm in	1506 59.3
Maximum working width	mm in	1430 56.3
Ground clearance, center	mm in	305 12.0
Curb clearance, left/right	mm in	720/720 28.3/28.3
Turning radius, inside	mm in	2650 104.3

Drum dimensions

Drum width, front/rear	mm in	1380/1380 54.3/54.3
Drum diameter, front/rear	mm in	898/898 35.4/35.4
Drum thickness, front/rear	mm in	16/16 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		V2403-CR-E5B
Cylinders, quantity		4

Diesel engine

Power ISO 14396, kW/PS/rpm		36,8/50,0/2700
Power SAE J1995, kW/HP/rpm		37,4/50,1/2700
Exhaust emissions category, EU		EU Stage 5
Exhaust emissions category, USA		EPA Tier 4
Exhaust emissions category, Korea		KOR Stage 5
Exhaust gas after-treatment		DOC-DPF

Travel drive

Speed, infinitely variable	km/h mph	0 - 11,0 0.0 - 6.8
Gradeability, with/without vibration	%	30/40

Vibration

Vibration frequency, front, level I/II	Hz vpm	60/51 3,600/3,060
Amplitude, front, level I/II	mm in	0,51/0,31 .020/.012
Centrifugal force, front, level I/II	kN lbs	64/39 14,400/8,775

Oscillation

Oscillation force, rear, level I/II	kN lbs	72/43 16,200/9,675
Oscillation frequency, rear, level I/II	Hz vpm	39/30 2,340/1,800
Tangential amplitude, rear, level I/II	mm in	1,37/1,37 .054/.054

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	73 19.3
Water tank, capacity	L Gal	285 75.3

Sound level

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

EQUIPMENT