

Technical data

HD 50 VO



Tandem rollers Series HD CompactLine

Tandem roller with vibrating roller drum and oscillation drum

H290

HIGHLIGHTS

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

TECHNICAL DATA HD 50 VO (H290)

Weights

Operating weight with ROPS	kg lbs	4560 10,055
Basic weight no cab, without ROPS	kg lbs	4225 9,316
Operating weight, max.	kg lbs	5460 12,039
Axle load, front/rear	kg lbs	2210/2350 4,873/5,182
Static linear load, front/rear	kg/cm lbs/in	16,0/17,0 89.6/95.2
French classific., data/class		10,4/VT0

Machine dimensions

Total length	mm in	2896 114.0
Total height with ROPS	mm in	2596 102.2
Height, loading, min.	mm in	1829 72.0
Wheelbase	mm in	1950 76.8
Total width	mm in	1506 59.3
Max. working width	mm in	1430 56.3
Ground clearance, center	mm in	302 11.9
Curb clearance, left/right	mm in	720/720 28.3/28.3
Turning radius, inside	mm in	2594 102.1

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
Type		V2203
Number of cylinders		4
Power rat. ISO 14396, kW/PS/rpm		34,6/47,1/2700
Power rating SAE J1349, kW/HP/rpm		34,6/46,4/2700
Emission standard		EU Stage IIIA
Exhaust gas after-treatment		-

Drive

Climbing ability, vibration on/off	%	30/40
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Vibration

Vibration frequency, front, I/II	Hz vpm	57/48 3,420/2,880
Amplitude, front, I/II	mm in	0,51/0,31 .020/.012
Centrifugal force, front, I/II	kN lbs	58/35 13,050/7,875

Oscillation

Oscillation force, rear, I/II	kN lbs	68/40 15,300/9,000
Oscillation frequency, rear, I/II	Hz vpm	38/29 2,280/1,740
Tangential amplitude, rear, I/II	mm in	1,37/1,37 .054/.054

Steering

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

Sprinkler system

Water sprinkler, type		Pressure
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Tank capacity/Fill capacity

Fuel tank, capacity	L Gal	73 19.3
Water tank, capacity	L Gal	260 68.7

Sound level

Sound power level L(WA), guaranteed	db(A)	106
Acoustic power LW(A), measured	db(A)	103

EQUIPMENT

12 V outlet | 3-point articulation | Dashboard with displays, indicator lights and switches | Dashboard cover, lockable and weather-resistant | Handrails | Pressure water sprinkling with interval switch | Operator's platform with entry from both sides | Hydrostatic steering | Vibration-isolated operator's platform | Track offset | Plastic scraper, foldable

OPTIONAL EQUIPMENT

Protective roof | Edge pressing and cutting equipment | Cutting disc | Back-up alarm | Working light | Rotating beacon | Tool kit