

Technical data

HD+ 80i VO-S



Tandem rollers Series HD+

Tandem roller with vibration and oscillation drum

H302

HIGHLIGHTS

- > Operating concept Easy Drive
- > 3-point articulation for even weight distribution and excellent directional stability
- > Innovative cabin concept for optimal visibility and high comfort
- > Compaction with oscillation
- > Digital ready

TECHNICAL DATA HD+ 80i VO-S (H302)

Weights

Operating weight with cab	kg lbs	8125 17,916
Operating weight with ROPS	kg lbs	7945 17,519
Empty weight without cab, without ROPS	kg lbs	7230 15,942
Max. operating weight	kg lbs	10730 23,660
Axle load, front/rear	kg lbs	4080/4045 8,996/8,919
Static linear load, front/rear	kg/cm lbs/in	24,27/24,06 135.9/134.7
French classification, value/class		17,54/VT0

Machine dimensions

Total length	mm in	4480 176.4
Total height with cab	mm in	2890 113.8
Total height with ROPS	mm in	2970 116.9
Height loading, min.	mm in	2080 81.9
Center distance	mm in	3340 131.5
Total width with cab	mm in	1800 70.9
Maximum working width	mm in	1815 71.5
Ground clearance, center	mm in	340 13.4
Curb clearance, left/right	mm in	750/750 29.5/29.5
Turning radius, inside	mm in	4140 163.0

Drum dimensions

Drum width, front/rear	mm in	1680/1680 66.1/66.1
Drum diameter, front/rear	mm in	1140/1140 44.9/44.9
Drum thickness, front/rear	mm in	17/19 0.7/0.7
Drum type, front		Smooth/split
Drum type, rear		Smooth/non-split
Track offset, left/right	mm in	135 5.3

Diesel engine

Manufacturer		DEUTZ
Model		TCD 2.9 L4
Cylinders, quantity		4
Power ISO 14396, kW/PS/rpm		55,4/75,3/2300
Power SAE J1349, kW/HP/rpm		55,4/74,2/2300

Diesel engine

Exhaust emissions category, EU		EU Stage 5
Exhaust emissions category, USA		EPA Tier 4
Exhaust emissions category, Japan		
Exhaust emissions category, Korea		KOR Stage 5
Exhaust gas after-treatment		DOC-DPF

Travel drive

Speed, infinitely variable	km/h mph	0 - 9,9 0.0 - 6.2
Regulation, infinitely variable		HAMMTRONIC
Gradeability, with/without vibration	%	39/43

Vibration

Vibration frequency, front, level I/II	Hz vpm	42/50 2,520/3,000
Amplitude, front, level I/II	mm in	0,55/0,40 .022/.016
Centrifugal force, front, level I/II	kN lbs	65/65 14,625/14,625

Oscillation

Oscillation force, rear, level I/II	kN lbs	85/125 19,125/28,125
Oscillation frequency, rear, level I/II	Hz vpm	29/35 1,740/2,100
Tangential amplitude, rear, level I/II	mm in	1,15/1,15 .045/.045

Steering

Pendulum 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	120 31.7
Water tank, capacity	L Gal	700 184.9

Sound level

Sound power level L(WA), guaranteed	db(A)	106
Sound power level L(WA), representative measurement	db(A)	105

EQUIPMENT

Dashboard tiltable | Pressure water sprinkling system | ECO mode | Speed preselect | Vibration-insulated driver's platform | Track offset, hydraulic | Water filter system (3-fold) | Central water outlet