

Technical data

HD+ 90i PH VO-S



Tandem rollers Series HD+

Tandem roller with vibration and oscillation drum

H276

HIGHLIGHTS

- > Hybrid hydraulic drive
- > Compaction with oscillation
- > Electronic machine management Hammtronic
- > Excellent view of the machine and the construction site
- > Operating concept Easy Drive

TECHNICAL DATA HD+ 90i PH VO-S (H276)

Weights

Operating weight with cab	kg	9460
Operating weight with ROPS	kg	9290
Max. operating weight	kg	12000
Static linear load, front/rear	kg/cm	29,3/27,1
French classification, value/class		22,9/VT1

Machine dimensions

Total length	mm	4800
Total height with cab	mm	2980
Height loading, min.	mm	2150
Centre distance	mm	3600
Total width with cab	mm	1800
Maximum working width	mm	1850
Kerb clearance, left/right	mm	800/800
Turning radius, inside	mm	5900

Drum dimensions

Drum width, front/rear	mm	1680/1680
Drum diameter, front/rear	mm	1200/1200
Drum thickness, front/rear	mm	17/20
Drum type, front		Smooth/split
Drum type, rear		Smooth/non-split
Track offset, left/right	mm	170

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
Exhaust emission standard		EU Stage V / EPA Tier 4
Exhaust gas after-treatment		DOC-DPF

Travel drive

Speed, working gear	km/h	0-6,0
Speed, transport gear	km/h	0-12,0
Regulation, infinitely variable		HAMMTRONIC
Gradeability, with/without vibration	%	47/52

Vibration

Vibration frequency, front, level I/II	Hz	42/50
Amplitude, front, level I/II	mm	0,61/0,40
Centrifugal force, front, level I/II	kN	84/78

Oscillation

Oscillation force, rear	kN	128
Oscillation frequency, rear	Hz	39
Tangential amplitude, rear	mm	1,25

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	173
Water tank, capacity	L	760

Sound level

Sound power level L(WA), guaranteed	db(A)	106
Sound power level L(WA), representative measurement	db(A)	102

EQUIPMENT

12 V power socket | Two large exterior rear-view mirrors | Scrapers foldable | Dashboard with displays, indicator lights and function keys | Easy Drive operating concept | Electric-powered cooling fan | Pressure water sprinkling system | ECO mode | Driver's platform with access from both sides | Speed-controlled water sprinkling | Speed preselect | Automatic traction control and anti-slip control | Vibration-isolated driver's platform | Track offset, hydraulic | 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 | Additional hydraulic performance support up to 20 kW

OPTIONAL EQUIPMENT

Heating and air-conditioning system | Tachograph | Process data interface for third-party provider systems, asphalt construction | Dashboard cover, lockable | Edge pressing and cutting equipment | HAMM Compaction Meter (HCM) | Automatic engine stop | HAMM Temperature Meter (HTM) | Track offset display | Back-up alarm | Telematics system | Working spotlights