

Technical data

HP 100i



Pneumatic-tyre rollers Series HP

neumatic-tyre rollers in the 6–10 t weight class

H300

HIGHLIGHTS

- > Electronic machine management Hammtronic
- > Seat operating unit can be moved and rotated
- > High compaction and surface quality thanks to even weight distribution and tyre overlap of the front and rear wheel pairs
- > Excellent view of the tyres, the machine and the construction site
- > Simple, intuitive and language-neutral operation

HP 100i | TECHNICAL DATA

WeightsOperating weight with cabkg5890Operating weight with ROPSkg5720Empty weight without cab, without ROPSkg5400Max. operating weightkg10020Axle load, front/rearkg3140/2750Axle load at max. operating weight, front/rearkg5350/4670Axle load per tyre, front/rearkg5350/4670French classification, value/classWheel load per tyre, front/rearkg628/688Machine dimensionsmm4590Total lengthmm2872Total height with cabmm2952Height loading, min.mm2192Centre distancemm1803Maximum working widthmm1725Ground clearance, centremm340Kerb clearance, left/rightmm760/760Turning radius, insidemm4140Tyre dimensionsSize of tyres, front/rear7.50-15/7.50-15Number of tyres, front/rearmm1725/1350Number of tyres, front/rearDEUTZModelTCD 2.9 L4Cylinders, quantity4Power SAE J1349, kW/HP/rpm55,4/75,3/2200Exhaust emission standardEU Stage IIIB / EPA Tier 4Exhaust emission standardEU Stage IIIB / EPA Tier 4Exhaust gas after-treatmentDOCTravel driveSpeed, infinitely variablekm/h0-19,9SteeringPendulum angle +/-°10Steering, type	TECHNICAL DATA HP 100i	(H300)	
Empty weight with ROPS kg 5720 Empty weight without cab, without ROPS kg 5400 Max. operating weight kg 10020 Axle load, front/rear kg 3140/2750 Axle load at max. operating kg 5350/4670 French classification, value/class Wheel load per tyre, front/rear kg 628/688 Machine dimensions Total length mm 4590 Total height with cab mm 2872 Total height with ROPS mm 2952 Height loading, min. mm 2192 Centre distance mm 3340 Total width with cab mm 1803 Maximum working width mm 1725 Ground clearance, centre mm 340 Kerb clearance, left/right mm 760/760 Turning radius, inside mm 14140 Tyre dimensions Size of tyres, front/rear mm 1725/1350 Number of tyres, front/rear mm 1725/1350 Number of tyres, front/rear Diesel engine Manufacturer Deutz Model TCD 2.9 L4 Cylinders, quantity 4 Power ISO 14396, kW/PS/rpm 55,4/75,3/2200 Exhaust emission standard Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/- ° 10	Weights		
Empty weight without cab, without ROPS Max. operating weight Axle load, front/rear Axle load at max. operating weight, front/rear Axle load at max. operating weight, front/rear French classification, value/class Wheel load per tyre, front/rear Machine dimensions Total length mm 4590 Total height with cab mm 2872 Total height loading, min. mm 2192 Centre distance mm 3340 Total width with cab mm 1803 Maximum working width mm 1725 Ground clearance, centre mm 340 Kerb clearance, left/right mm 760/760 Turning radius, inside mm 14140 Tyre dimensions Size of tyres, front/rear Width over tyres, front/rear Manufacturer Diesel engine Manufacturer Deutz Model TCD 2.9 L4 Cylinders, quantity 4 Power SAE J1349, kW/PS/rpm 55,4/75,3/2200 Exhaust emission standard Exhaust gas after-treatment Travel drive Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/- * 10	Operating weight with cab	kg	5890
mithout ROPS Max. operating weight Axle load, front/rear Axle load at max. operating weight, front/rear Axle load at max. operating weight, front/rear French classification, value/class Wheel load per tyre, front/rear Total length Total length mm 4590 Total height with cab mm 2872 Total height with ROPS mm 2952 Height loading, min. mm 2192 Centre distance mm 3340 Total width with cab mm 1803 Maximum working width mm 1725 Ground clearance, centre mm 340 Kerb clearance, left/right mm 760/760 Turning radius, inside mm 4140 Tyre dimensions Size of tyres, front/rear Width over tyres, front/rear Width over tyres, front/rear Model Cylinders, quantity Power ISO 14396, kW/PS/rpm Power SAE J1349, kW/HP/rpm Exhaust emission standard Exhaust gas after-treatment Travel drive Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/- o 10	Operating weight with ROPS	kg	5720
Axle load, front/rear kg 3140/2750 Axle load at max. operating weight, front/rear kg 5350/4670 French classification, value/class Wheel load per tyre, front/rear kg 628/688 Machine dimensions Total length mm 4590 Total height with cab mm 2872 Total height with ROPS mm 2952 Height loading, min. mm 2192 Centre distance mm 3340 Maximum working width mm 1725 Ground clearance, centre mm 340 Kerb clearance, left/right mm 760/760 Turning radius, inside mm 4140 Tyre dimensions Size of tyres, front/rear mm 1725/1350 Number of tyres, front/rear mm 1725/1350 Number of tyres, front/rear DEUTZ Model TCD 2.9 L4 Cylinders, quantity 4 Power ISO 14396, kW/PS/rpm 55,4/75,3/2200 Power SAE J1349, kW/HP/rpm 55,4/74,2/2200 Exhaust emission standard EU Stage IIIB / EPA Tier 4 Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/-	Empty weight without cab, without ROPS	kg	5400
Axle load at max. operating weight, front/rear French classification, value/class Wheel load per tyre, front/rear Machine dimensions Total length mm 4590 Total height with cab mm 2872 Total height with ROPS mm 2952 Height loading, min. mm 2192 Centre distance mm 3340 Total width with cab mm 1803 Maximum working width mm 1725 Ground clearance, centre mm 340 Kerb clearance, left/right mm 760/760 Turning radius, inside mm 4140 Tyre dimensions Size of tyres, front/rear mm 1725/1350 Number of tyres, front/rear mm 1725/1350 Number of tyres, front/rear DEUTZ Model TCD 2.9 L4 Cylinders, quantity 4 Power ISO 14396, kW/PS/rpm 55,4/75,3/2200 Exhaust emission standard EU Stage IIIB / EPA Tier 4 Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/- ° 10	Max. operating weight	kg	10020
weight, front/rear French classification, value/class Wheel load per tyre, front/rear Machine dimensions Total length mm 4590 Total height with cab mm 2952 Height loading, min. mm 2192 Centre distance mm 3340 Total width with cab mm 1803 Maximum working width mm 1725 Ground clearance, centre mm 340 Kerb clearance, left/right mm 760/760 Turning radius, inside mm 4140 Tyre dimensions Size of tyres, front/rear mm 1725/1350 Number of tyres, front/rear mm 1725/1350 Number of tyres, front/rear Diesel engine Manufacturer DEUTZ Model TCD 2.9 L4 Cylinders, quantity 4 Power ISO 14396, kW/PS/rpm 55,4/75,3/2200 Power SAE J1349, kW/HP/rpm Exhaust emission standard Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/-	Axle load, front/rear	kg	3140/2750
wheel load per tyre, front/rear kg 628/688 Machine dimensions Total length mm 4590 Total height with cab mm 2872 Total height with ROPS mm 2952 Height loading, min. mm 2192 Centre distance mm 3340 Total width with cab mm 1803 Maximum working width mm 1725 Ground clearance, centre mm 340 Kerb clearance, left/right mm 760/760 Turning radius, inside mm 4140 Tyre dimensions Size of tyres, front/rear mm 1725/1350 Number of tyres, front/rear mm 1725/1350 Number of tyres, front/rear DEUTZ Model TCD 2.9 L4 Cylinders, quantity 4 Power ISO 14396, kW/PS/rpm 55,4/75,3/2200 Power SAE J1349, kW/HP/rpm 55,4/74,2/2200 Exhaust emission standard Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/- ° 10		kg	5350/4670
Machine dimensions Total length mm 4590 Total height with cab mm 2872 Total height with ROPS mm 2952 Height loading, min. mm 2192 Centre distance mm 1803 Maximum working width mm 1725 Ground clearance, centre mm 340 Kerb clearance, left/right mm 760/760 Turning radius, inside mm 4140 Tyre dimensions Size of tyres, front/rear mm 1725/1350 Number of tyres, front/rear 5/4 Diesel engine Manufacturer DEUTZ Model TCD 2.9 L4 Cylinders, quantity 4 Power ISO 14396, kW/PS/rpm 55,4/75,3/2200 Power SAE J1349, kW/HP/rpm Exhaust emission standard Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/-			
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Height loading, min. Centre distance Total width with cab Maximum working width Marifaction Turning radius, inside Manufacturer Midth over tyres, front/rear Model Manufacturer Model Cylinders, quantity Power ISO 14396, kW/PS/rpm Power SAE J1349, kW/HP/rpm Exhaust emission standard Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable km/h Marifaction Advantage Buttage	Total height with cab	mm	2872
Centre distance mm 3340 Total width with cab mm 1803 Maximum working width mm 1725 Ground clearance, centre mm 340 Kerb clearance, left/right mm 760/760 Turning radius, inside mm 4140 Tyre dimensions Size of tyres, front/rear 7.50-15/7.50-15 Width over tyres, front/rear mm 1725/1350 Number of tyres, front/rear 5/4 Diesel engine Manufacturer DEUTZ Model TCD 2.9 L4 Cylinders, quantity 4 Power ISO 14396, kW/PS/rpm 55,4/75,3/2200 Exhaust emission standard Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/- ° 10	Total height with ROPS	mm	2952
Total width with cab mm 1803 Maximum working width mm 1725 Ground clearance, centre mm 340 Kerb clearance, left/right mm 760/760 Turning radius, inside mm 4140 Tyre dimensions Size of tyres, front/rear 7.50-15/7.50-15 Width over tyres, front/rear mm 1725/1350 Number of tyres, front/rear 5/4 Diesel engine Manufacturer DEUTZ Model TCD 2.9 L4 Cylinders, quantity 4 Power ISO 14396, kW/PS/rpm 55,4/75,3/2200 Exhaust emission standard Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/- ° 10	Height loading, min.	mm	2192
Maximum working width mm 1725 Ground clearance, centre mm 340 Kerb clearance, left/right mm 760/760 Turning radius, inside mm 4140 Tyre dimensions Size of tyres, front/rear 7.50-15/7.50-15 Width over tyres, front/rear mm 1725/1350 Number of tyres, front/rear 5/4 Diesel engine Manufacturer DEUTZ Model TCD 2.9 L4 Cylinders, quantity 4 Power ISO 14396, kW/PS/rpm 55,4/75,3/2200 Power SAE J1349, kW/HP/rpm 55,4/74,2/2200 Exhaust emission standard Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/- ° 10	Centre distance	mm	3340
Ground clearance, centre mm 340 Kerb clearance, left/right mm 760/760 Turning radius, inside mm 4140 Tyre dimensions Size of tyres, front/rear 7.50-15/7.50-15 Width over tyres, front/rear mm 1725/1350 Number of tyres, front/rear 5/4 Diesel engine Manufacturer DEUTZ Model TCD 2.9 L4 Cylinders, quantity 4 Power ISO 14396, kW/PS/rpm 55,4/75,3/2200 Power SAE J1349, kW/HP/rpm 55,4/74,2/2200 Exhaust emission standard Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/- ° 10	Total width with cab	mm	1803
Kerb clearance, left/right mm 760/760 Turning radius, inside mm 4140 Tyre dimensions Size of tyres, front/rear 7.50-15/7.50-15 Width over tyres, front/rear mm 1725/1350 Number of tyres, front/rear 5/4 Diesel engine Manufacturer DEUTZ Model TCD 2.9 L4 Cylinders, quantity 4 Power ISO 14396, kW/PS/rpm 55,4/75,3/2200 Power SAE J1349, kW/HP/rpm 55,4/74,2/2200 Exhaust emission standard EV Stage IIIB / EPA Tier 4 Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/- ° 10	Maximum working width	mm	1725
Turning radius, inside mm 4140 Tyre dimensions Size of tyres, front/rear 7.50-15/7.50-15 Width over tyres, front/rear mm 1725/1350 Number of tyres, front/rear 5/4 Diesel engine Manufacturer DEUTZ Model TCD 2.9 L4 Cylinders, quantity 4 Power ISO 14396, kW/PS/rpm 55,4/75,3/2200 Power SAE J1349, kW/HP/rpm 55,4/74,2/2200 Exhaust emission standard EV Stage IIIB / EPA Tier 4 Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/- ° 10	Ground clearance, centre	mm	340
Tyre dimensions Size of tyres, front/rear Width over tyres, front/rear Number of tyres, front/rear Manufacturer Model Cylinders, quantity Power ISO 14396, kW/PS/rpm Power SAE J1349, kW/HP/rpm Exhaust emission standard Exhaust gas after-treatment Type 150-15/7.50-15 Type 17.50-15/7.50-15 Type 17.50-15 T	Kerb clearance, left/right	mm	760/760
Size of tyres, front/rear Width over tyres, front/rear Number of tyres, front/rear Manufacturer Model Cylinders, quantity Power ISO 14396, kW/PS/rpm Power SAE J1349, kW/HP/rpm Exhaust emission standard Exhaust gas after-treatment DEUTZ TCD 2.9 L4 Cylinders, quantity Power SAE J1349, kW/HP/rpm Exhaust emission standard Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable km/h O-19,9 Steering Pendulum angle +/- 0 10	Turning radius, inside	mm	4140
Width over tyres, front/rear mm 1725/1350 Number of tyres, front/rear 5/4 Diesel engine Manufacturer DEUTZ Model TCD 2.9 L4 Cylinders, quantity 4 Power ISO 14396, kW/PS/rpm 55,4/75,3/2200 Power SAE J1349, kW/HP/rpm 55,4/74,2/2200 Exhaust emission standard EU Stage IIIB / EPA Tier 4 Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/- ° 10	Tyre dimensions		
Number of tyres, front/rear Diesel engine Manufacturer Model Cylinders, quantity Power ISO 14396, kW/PS/rpm Power SAE J1349, kW/HP/rpm Exhaust emission standard Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable Steering Pendulum angle +/- PIEUTZ TCD 2.9 L4 4 PEUTZ TCD 2.9 L4 55,4/75,3/2200 E55,4/75,3/2200 EU Stage IIIB / EPA Tier 4 EV Stage IIIB / EPA Tier 4 EV Stage IIIB / EPA Tier 4 EV Stage IIIB / EV STAGE III	Size of tyres, front/rear		7.50-15/7.50-15
Diesel engine Manufacturer Model Cylinders, quantity Power ISO 14396, kW/PS/rpm Power SAE J1349, kW/HP/rpm Exhaust emission standard Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable Steering Pendulum angle +/- DEUTZ TCD 2.9 L4 4 4 55,4/75,3/2200 55,4/74,2/2200 EU Stage IIIB / EPA Tier 4 DOC Travel drive Speed, infinitely variable km/h 0-19,9	Width over tyres, front/rear	mm	1725/1350
Manufacturer Model Cylinders, quantity Power ISO 14396, kW/PS/rpm Power SAE J1349, kW/HP/rpm Exhaust emission standard Exhaust gas after-treatment Travel drive Speed, infinitely variable Steering Pendulum angle +/- DEUTZ TCD 2.9 L4 4 4 55,4/75,3/2200 55,4/74,2/2200 EU Stage IIIB / EPA Tier 4 ENDOC Travel drive Speed, infinitely variable km/h 0-19,9 Steering	Number of tyres, front/rear		5/4
Manufacturer Model Cylinders, quantity Power ISO 14396, kW/PS/rpm Power SAE J1349, kW/HP/rpm Exhaust emission standard Exhaust gas after-treatment Travel drive Speed, infinitely variable Steering Pendulum angle +/- DEUTZ TCD 2.9 L4 4 4 55,4/75,3/2200 55,4/74,2/2200 EU Stage IIIB / EPA Tier 4 ENDOC Travel drive Speed, infinitely variable km/h 0-19,9 Steering	Diesel engine		
Cylinders, quantity Power ISO 14396, kW/PS/rpm Power SAE J1349, kW/HP/rpm Exhaust emission standard Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable Steering Pendulum angle +/- 4 55,4/75,3/2200 EU Stage IIIB / EPA Tier 4 EV DOC Travel drive Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/- ° 10	Manufacturer		DEUTZ
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Power SAE J1349, kW/HP/rpm 55,4/74,2/2200 Exhaust emission standard EU Stage IIIB / EPA Tier 4 Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/- ° 10	Cylinders, quantity		4
Exhaust emission standard Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/- ° 10	Power ISO 14396, kW/PS/rpm		55,4/75,3/2200
Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/- ° 10	Power SAE J1349, kW/HP/rpm		55,4/74,2/2200
Exhaust gas after-treatment DOC Travel drive Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/- ° 10	Exhaust emission standard		EU Stage IIIB / EPA Tier 4
Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/- ° 10	Exhaust gas after-treatment		DOC
Speed, infinitely variable km/h 0-19,9 Steering Pendulum angle +/- ° 10	Travel drive		
Steering Pendulum angle +/- ° 10		km/h	0-19.9
rendulant angle +/-			
Steering, type Articulated steering	Pendulum angle +/-	0	10
	Steering, type		Articulated steering
Water-sprinkling system	Water-sprinkling system		
Water sprinkling, type Pressure	Water sprinkling, type		Pressure
Tank capacity/filling capacity		ty	
Fuel tank, capacity L 120		i e	120
Water tank, capacity L 700		L	700
Sound level			
Sound power level L(WA), guaranteed db(A)		db(A)	
Sound power level L(WA), representative measurement db(A) 100		db(A)	100

EQUIPMENT

12 V power socket | Two large exterior rear-view mirrors | Dashboard with displays, indicator lights and switches | Dashboard tiltable | ECO mode | Driver's platform with access from both sides | Speed preselect | Vibration-insulated driver's platform | Water tank front and rear, can be filled from both sides | Central water outlet | ROPS, rigid

OPTIONAL EQUIPMENT

Scraper made from brushes, folding | Version with water sprinkling | ROPS cab with non-split doors (FOPS, level I) | Heating and airconditioning system | Fire extinguisher | Protective roof | Speedometer | Automatic engine stop | Camera system | Back-up alarm | Telematics system | Working spotlights | Rotating beacon | Tyre lighting, LED | Battery isolation switch

