



EW100

Wheeled Excavator

Innovative thinking - the future of wheeled excavators

The EW100 sets new standards in terms of performance, safety and comfort, considerably ahead of just about every other wheeled excavator in a drag race. The collaboration of attachment management and assistance systems with an optimized field of vision around the machine could not be better adapted to everyday construction site work. And it is possible to operate every attachment without downturns with twice as much auxiliary hydraulics power.

Highlights

- Very good all-round visibility
- Topmost performance in all areas
- Human Machine Interface
- Trailer operation
- Attachments interface

Technical Data

Hydraulic

Operating pressure	300.0 bar
Flow rate	180.0 l/min

Mechanical - Output Details

Nominal Engine speed	1,900.0 kg/m2s
Travel speed	30.0 km/h
Travel speed (Option)	40.0 km/h

Mechanical Details

Length	6,707.0 mm
Width	2,450.0 mm
Height	2,980.0 mm
Operating weight	10,320.0 kg
Operating weight (min.-max.)	10,625.0 - 11,855.0 kg
Digging depth (max.)	4,968.0 mm

Engine

Cooling	Water-cooling
Motor type	Turbodieselengine
Cylinder	4.0
Displacement	2,799.0 cm3
Inclined position max.	30.0 λ
Fuel type	Diesel EN 590

Tank capacity	190.0 l
Oil filling max.	9.8 l
Effective power	55.4 KW
Nominal Engine speed	1,900.0 kg/m2s
Maximum torque	300.0 ~
Air cleaner	Dry air filter
Starter battery Voltage	12.0 %(V)
Manufacturer	Perkins
Engine designation	904J-E28T
Stroke	110.0 mm
Bore	80.0 mm

Environment Data

Exhaust-gas limit	EU Stage V
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Operating Fluids

Oil volume	9.800 l
Cooling fluid volume	13.2 l

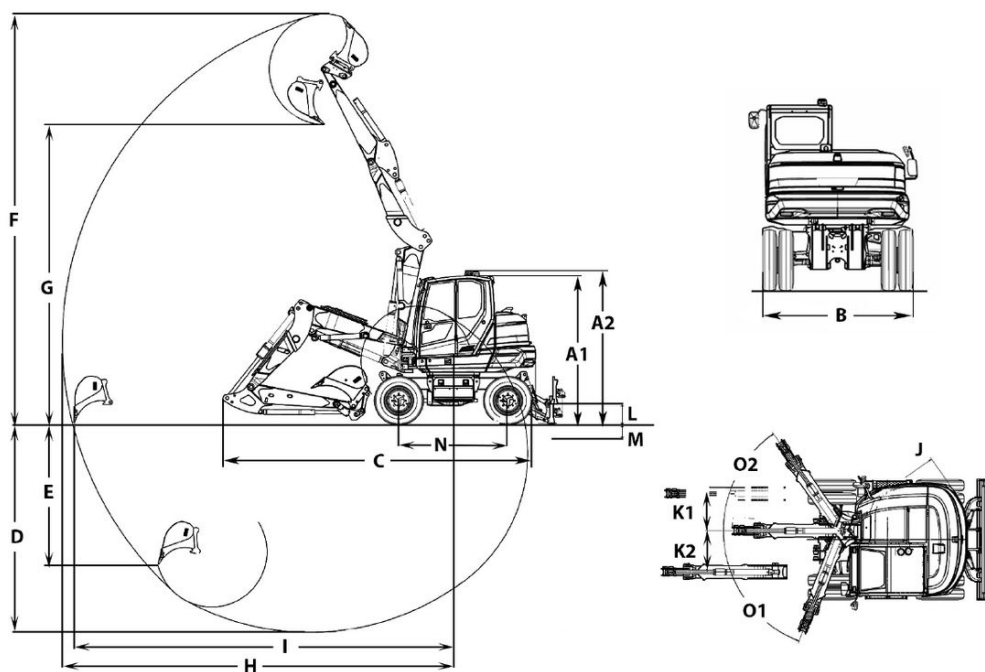
Chassis

Operating pressure	440.0 bar
Flow rate	180.0 l/min

Shipping and Storage

Shipping weight	10,320.0 kg
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Dimensions



A1	Height with cab	2,963 mm
	Height of dozer blade	495 mm
A2	Total height with rotating beacon	3,057 mm
B	Width travel gear	2,450 mm
C	Transport length	6,314 mm
D	Digging depth max.	4,211.7 mm
E	Piercing depth max.	2,858.3 mm
F	Piercing height max.	8,262.4 mm
G	Dumping height max.	5,582.1 mm
I	Max. reach at ground level	7,660.4 mm
J	Tail swing radius	1,690 mm
K1	Boom offset max. (to center of bucket right side)	940 mm
K2	Boom offset max. (to center of bucket left side)	625 mm
L	Stacking height max. (dozer blade above surface)	390 mm
M	Digging depth max. (dozer blade below surface)	136 mm
N	Wheel base	2,200 mm
O1	Max. swivel angle (arm system to the left)	70 °
O2	Max. swivel angle (arm system to the right)	55 °