





# **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**

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Operating pressure hydraulics 4,350.0 psi
Flow rate 47.6 gal/mi

#### Mechanical - Output Details

Nominal rotation speed 1,900.0 1/min

Travel speed 18.6 m/H

Travel speed (Option) 24.8 m/H

Mechanical Details 264.1 " Length Width 96.5 " Height 117.3 " Operating weight 22,751.7 lb Operating weight (min.-max.) 23,424.1 - 26,135.8 lb Digging depth (max.) 195.6 " Engine Cooling Water-cooling Engine type Turbodieselengine Cylinder 4.0

170.8 Inch3

Inclined position max.	30.0 °
Fuel	HVO EN15940
Effective power	74.3 hp
Nominal Engine speed	1,900.0 1/min
Maximum torque	222.2 lb/ft
Air cleaner	Dry air filter
Starter battery Voltage	12.0 V
Engine Manufacturer	Perkins
Engine Designation	904J-E28T
Stroke	110.0 mm
Bore	80.0 mm
Environment Data	
Sound power LWA, guaranteed	98.0 dB(A)
Exhaust gas limit values	EU Stage V
Chassis	
Operating pressure	6,380.0 psi
Flow rate	47.6 gal/mi
Shipping and Storage	
Shipping weight	22,751.7 lb

The illustrations, equipment and data shown may deviate from the current delivery program of your country. Optional equipment subject to additional charge may be shown. Subject to changes.

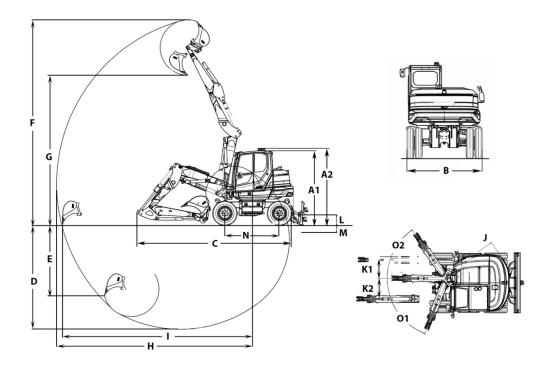
Cylinder capacity

## Available engines

### 100 kW Diesel engine (Stage 5)

Stroke 4.7 " Bore 3.9 " Cooling Water-cooling Engine type Diesel engine Cylinder 4 Exhaust-gas limit EU Stage V Engine Manufacturer		
Bore 3.9 ** Cooling Water-cooling Engine type Diesel engine Cylinder 4 Exhaust-gas limit EU Stage V Engine Manufacturer Perkins	Effective power	134.1 hp
Cooling Engine type Cylinder Cylinder Exhaust-gas limit EU Stage V Engine Manufacturer Perkins	Stroke	4.7 "
Engine type  Cylinder  Exhaust-gas limit  Eul Stage V  Engine Manufacturer  Perkins	Bore	3.9 "
Cylinder 4  Exhaust-gas limit EU Stage V  Engine Manufacturer Perkins	Cooling	Water-cooling
Exhaust-gas limit EU Stage V Engine Manufacturer Perkins	Engine type	Diesel engine
Engine Manufacturer Perkins	Cylinder	4
	Exhaust-gas limit	EU Stage V
Engine Designation 904J-E36TA	Engine Manufacturer	Perkins
	Engine Designation	904J-E36TA

### Dimensions



A1	Height with cab	116.7 in
	Height of dozer blade	19.5 in
A2	Total height with rotating beacon	120.4 in
В	Width travel gear	96.5 in
С	Transport length	248.6 in
D	Digging depth max.	165.8 in
Е	Piercing depth max.	112.5 in
F	Piercing height max.	325.3 in
G	Dumping height max.	219.8 in
-1	Max. reach at ground level	301.6 in
J	Tail swing radius	66.5 in
K1	Boom offset max. (to center of bucket right side)	37.0 in
K2	Boom offset max. (to center of bucket left side)	24.6 in
L	Stacking height max. (dozer blade above surface)	15.4 in
М	Digging depth max. (dozer blade below surface)	5.4 in
N	Wheel base	86.6 in
01	Max. swivel angle (arm system to the left)	70 °
02	Max. swivel angle (arm system to the right)	55 °