



## EW100

Wheeled Excavators



### The future of urban excavation: EW100

The new EW100 features a more powerful engine, significantly reduced turning radius, increased digging depth and simplified operation. Wheeled excavators save contractors and municipalities money with unparalleled mobility. With its power, reach and mobility, this excavator is the perfect solution for roadside digging and demolition in urban settings. Operators will also appreciate the new easy to use dial control system. Using this automotive-style feature, operators can easily select and save the auxiliary hydraulic flow settings depending on the attachment, eliminating the need for manual adjustments.

- Powerful Perkins 854 Tier 4 interim Turbo engine delivers 117-hp, which is 15% more power and 17% lower fuel consumption compared to its predecessor. The 4-cylinder, 3.4 liter engine incorporates cutting edge technology including a common rail fuel injection system, charge-air cooler and diesel particulate filter (DPF).
- All wheel steering feature delivers a turning radius of 13-feet making it even easier to maneuver in confined areas.
- New and improved boom system features a 14-foot dig depth and 24-foot reach.
- Operator comfort with air conditioning, automatic climate control and a simplified layout.
- Driving speeds up to 25 mph make getting to and around the jobsite more efficient.



## Technical specifications

### EW100

#### Operating data

Shipping weight min.	20,372.7 lb
Operating weight	21,351.55 - 24,329.97 lb
Biting force max.	10,566 lbf
Breakaway force max.	11,307.9 lbf
Digging depth max. min.	169.2 in
Dump height max.	210.5 in
Digging radius max.	308 in
L x W x H	286 x 97 x 118 in

#### Engine / Motor

Engine / Motor manufacturer	Perkins
Engine / Motor type	854E-E34TA
Engine / Motor	Liquid-cooled, 4-cylinder turbo diesel engine
Displacement	201.3 in <sup>3</sup>
RPM / speed	2,400 rpm
Engine performance according to ISO	73.7 hp
Battery	100 Ah
Fuel tank capacity	44.91 US gal

#### Hydraulic system

Duty pump	1-pump Load Sensing
Flow rate	46.8 US gpm
Operating pressure for driving hydraulics	6,381.8 psi
Operating pressure for working hydraulics	4,206.16 psi
Hydraulic oil tank	126.7 US qt

#### Wheel set

Axles Front axle	Oscillating steering axle
Axles Rear axle	Rigid steering axle
Tires Standard	Dual tires 8.25/20
Turning radius	219.3 in
Track width	76.5 in
Ground clearance	14.2 in
Travel speed	12.4 mph
Travel speed Option	18.6 mph



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**Dozer Blade**

Width	97.1 in
Height	19.7 in
Stroke	19.6 in
Stroke	5.2 in

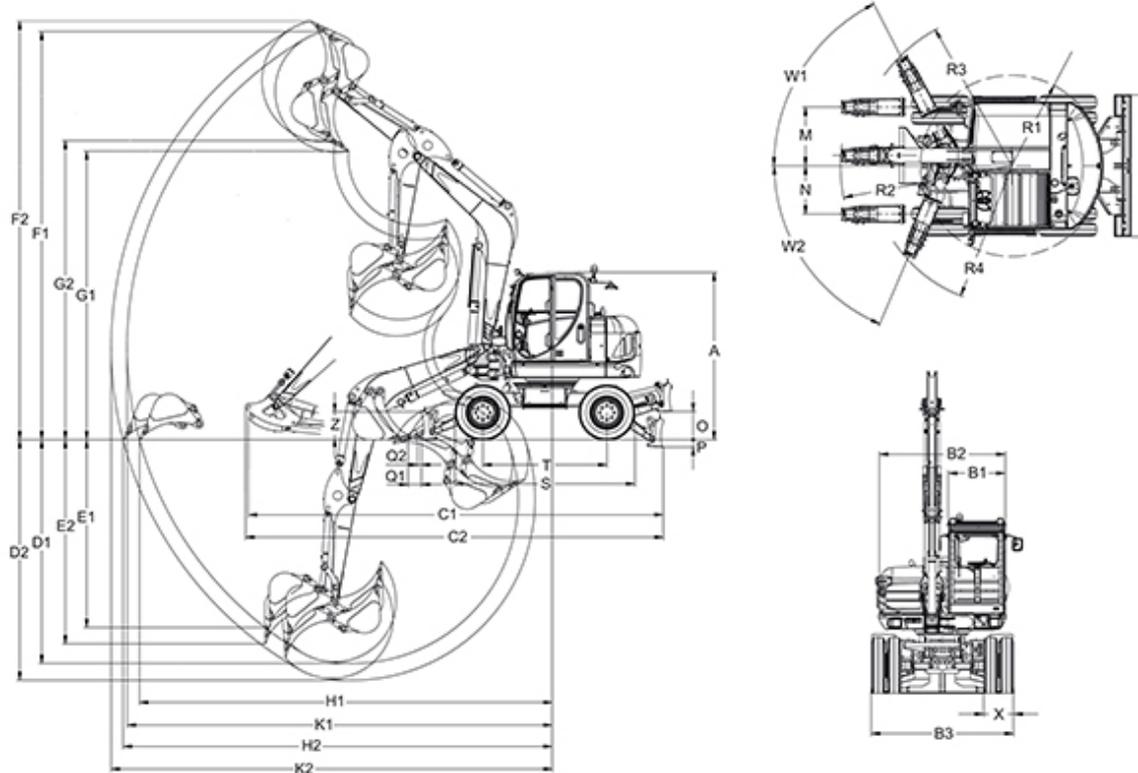
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**Sound level**

Sound level (LwA)	101 dB(A)
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Dimensions



<b>A</b>	Height	117.77 in
<b>B1</b>	Width Cabin	38.93 in
<b>B2</b>	Width Revolving superstructure	85.66 in
<b>B3</b>	Width Traversing gear	96.69 in
<b>C1</b>	Transport length short dipperstick	285.93 in
<b>C2</b>	Transport length long dipperstick	288.21 in
<b>D1</b>	Digging depth max. max., short dipperstick	157.52 in
<b>D2</b>	Digging depth max. max., long dipperstick	169.34 in
<b>E1</b>	Insertion depth max., vertical , short ds	132.23 in
<b>E2</b>	Insertion depth max., vertical, long ds	143.73 in



<b>F1</b>	Insertion height max., short ds	287.38 in
<b>F2</b>	Insertion height max., long ds	294.83 in
<b>G1</b>	Dump height max. max., short ds	202.99 in
<b>G2</b>	Dump height max. max., long ds	210.63 in
<b>K1</b>	Digging radius max. max., short ds	297.12 in
<b>K2</b>	Digging radius max. max., long ds	308.19 in
<b>H1</b>	Range max. on the bottom, short ds	288.41 in
<b>H2</b>	Range max. on the bottom, long ds	299.87 in
<b>M</b>	Arm displacement right	40.31 in
<b>N</b>	Arm displacement left	33.1 in
<b>O</b>	Lift height max., dozer blade above subgrade	19.86 in
<b>P</b>	Scraping depth max., dozer blade below subgrade	5.2 in
<b>S</b>	Length Total traveling gear	125.8 in
<b>Q1</b>	Distance Bucket dozer blade (short ds)	9.38 in
<b>Q2</b>	Distance Bucket dozer blade (long ds)	2.56 in
<b>W1</b>	Turning angle right	63 °
<b>W2</b>	Turning angle left	67 °
<b>R2</b>	Boom slewing radius Middle	116.35 in
<b>R3</b>	Boom slewing radius Right	106.6 in
<b>R4</b>	Boom slewing radius Left	103.9 in
<b>T</b>	Length Traveling gear, Turas guide wheel	86.68 in
<b>X</b>	Width Dual tires	20.25 in
<b>X</b>	Width Balloon tires	20.88 in
<b>Y1</b>	Width Dozer blade	97.12 in
<b>Z</b>	Height Dozer blade	19.98 in

ds...dipperstick



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**Please note**

that product availability can vary from country to country. It is possible that information / products may not be available in your country. More detailed information on engine power can be found in the operator's manual; the stated power may vary due to specific operating conditions.

Subject to alterations and errors excepted. Applicable also to illustrations.

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