EW100

Wheeled Excavators

Quickly on the go with the EW100 mobile excavator

The 10-ton mobile excavator EW100 wins over with a power output, low fuel consumption and particularly user-friendly features. The minimized fuel consumption – with savings of up to 20 percent – is achieved through the new ECO operating mode, which allows for efficient work by reducing the rpm's and by adapting the pump: a plus for the environment and the wallet. The mobile excavator EW100 is particularly operator-friendly thanks to a drive pedal – for both road travel as well as working operation.

- 15% more power output with up to 20% less fuel consumption
- Equipped with a tier IV engine
- Modern jog dial system, known in the automotive industry: The menu is intuitively operated via a rotary push button
- Maximum connection options with up to 5 auxiliary control circuits, of which 3 are individually adjustable

40 km/h offer a great mobility
The EW100 drives to the job site at up to 40 km/h – this saves time, money and the additional transport.

ECO Mode
Low-consumption work and hight fuel savings.
+ 15 % power
– 20 % consumption
+ 30 % tractive force
In comparsion to the previous model.

Modern jog dial system
As is common in the automotive industry the menue is handled intuitively by a jog dial system.
Always choose the perfect working mode:
• **ECO mode**
The standard mode for efficient and fuel-saving work.

• **HI mode**
Maximum pump capacity for fast and powerful work.

• **LOW mode**
For precision work.

Emission stage 3B / Tier IVi
Environmentally friendly and economic in consumption
Thanks to the exhaust emission stage 3B / Tier IVi and nearly 20 % less fuel consumption. Three operating modes are available during application on the job site.

Maintanance 2.0
Connect any output device, laptop or tablet with the connection inside the cabin – instantly you gain access to the maintanance diagnosis tool.
The EW100 is equipped additionally with an error code output and standard mini measurement connections.
Time is money – and downtime is expensive.

Excellent service access
Access easily the service points by the tiltable cabin and the wide opening engine hood.
All maintanance components like fuel, air, oil and hydraulics filter, the water and the hydraulics cooler are easy to access.

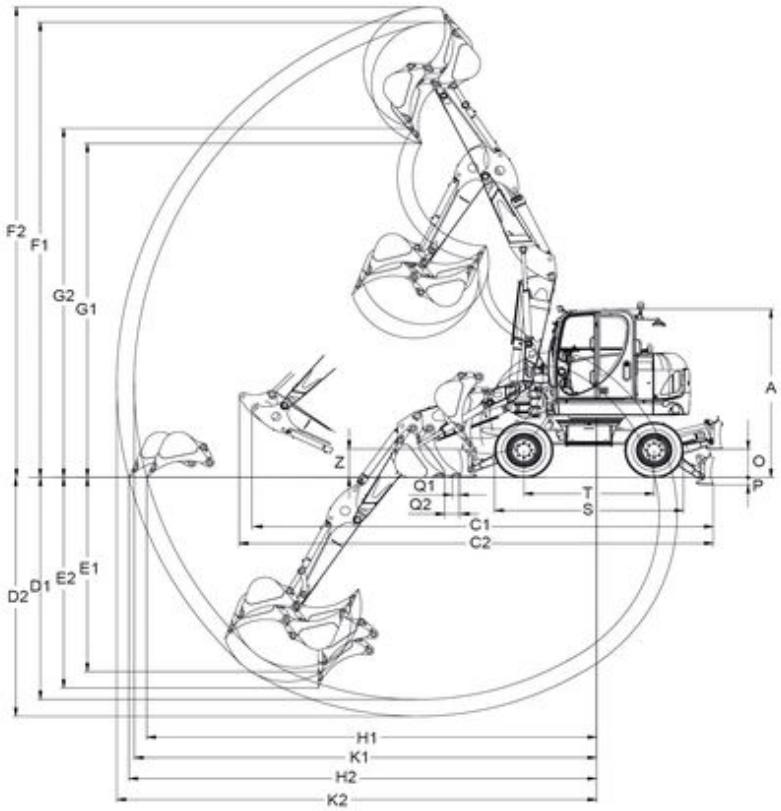
Technical specifications

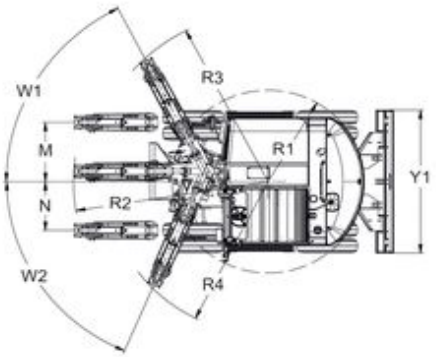
EW100 with mono-boom

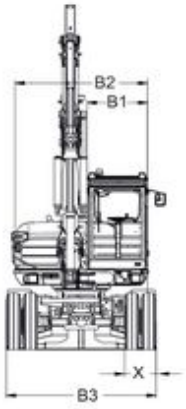
	Standard	Option 86 kW
Operating data		
Shipping weight min. kg	9,241	9,241
Operating weight min. kg	9,685	9,685
Biting force max. kN	47	47
Breakaway force max. kN	54.1	54.1
Digging depth min. mm	4,298	4,298
Dumping height max. mm	6,201	6,201
Digging radius min. mm	8,107	8,107
Superstructure slewing speed 1/min	10	10
L x W x H mm	7,255 x 2,450 x 2,980	7,255 x 2,450 x 2,980
Engine / Motor		
Engine / Motor manufacturer	Perkins	Perkins
Engine / Motor type	854E-E34TA	854
Engine / Motor	Liquid-cooled, 4-cylinder turbo diesel engine	Liquid-cooled, 4-cylinder turbo diesel engine
Displacement cm³	3,387	3,387
RPM / speed rpm	2,400	2,400
Engine performance according to ISO kW	55	86
Battery Ah	100	100
Hydraulic system		

	Standard	Option 86 kW
Duty pump	1-pump Load Sensing	1-pump Load Sensing
Flow rate l/min	180	180
Operating pressure for driving hydraulics bar	440	440
Hydraulic oil tank l	120	120
Wheel set		
Axles Front axle	Oscillating steering axle	Oscillating steering axle
Axles Rear axle	Rigid steering axle	Rigid steering axle
Tires Standard	Dual tires 8.25/20	Dual tires 8.25/20
Turning radius mm	5,570	5,570
Track width mm	1,942	1,942
Ground clearance mm	340	340
Travel speed 20 km/h version, max. km/h	20	40
Travel speed 30 km/h version, max. km/h	30	0
Dozer Blade		
Width mm	2,454	2,454
Height mm	500	500
Stroke mm	498	498
Stroke mm	132	132
Sound level		
Sound level (LwA) dB(A)	96	96

Dimensions







	monobloc boom	articulated boom
A Height mm	2,989	2,989
B1 Width cabin mm	990	990
B2 Width revolving superstructure mm	2,174	2,174
B3 Width traversing gear mm	2,454	2,454
C1 Transport length short ds mm	7,257	6,656
C2 Transport length long ds mm	7,315	6,886
D1 Digging depth max., short ds mm	3,998	3,941
D2 Digging depth max., long ds mm	4,298	4,244
E1 Insertion depth max., vertical, short ds mm	3,356	3,450
E2 Insertion depth max., vertical, long ds mm	3,648	3,740
F1 Insertion height max., short ds mm	7,294	8,090
F2 Insertion height max., long ds mm	7,483	8,355

G1	Dumping height max., short ds mm	5,156	5,933
G2	Dumping height max., long ds mm	5,346	6,201
H1	Range max. on the bottom, short ds mm	7,320	7,602
H2	Range max. on the bottom, long ds mm	7,611	7,903
K1	Digging radius max., short ds mm	7,541	7,812
K2	Digging radius max., long ds mm	7,822	8,107
O	Lift height max., dozer blade above subgrade mm	504	504
P	Scraping depth max., dozer blade below subgrade mm	132	132
Q1	Distance bucket dozer blade (short ds) mm	120	120
Q2	Distance bucket dozer blade (long ds) mm	165	165
R1	Rear swivel radius min. mm	1,575	1,575
R2	Boom slewing radius middle mm	2,953	3,191
R3	Boom slewing radius right mm	2,707	2,930
R4	Boom slewing radius left mm	2,424	2,640
S	Length total traveling gear mm	3,193	3,193
T	Length traveling gear, Turas guide wheel mm	2,200	2,200
X	Width dual tires mm	514	514
X	Width balloon tires mm	530	530
Y1	Width dozer blade mm	2,465	2,454
Z	Height Dozer blade mm	507	507

ds = dipper stick

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.