

## Wheeled Excavator

### EW100

# EW

#### The future of urban excavation

»» The next generation of Wacker Neuson wheeled excavator has arrived. 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. ««



#### ADDITIONAL ADVANTAGES:

- **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' making it even easier to maneuver in confined areas.
- **New and improved boom system** features a 14' dig depth and 24' reach.
- **Improved operator comfort** with air conditioning, automatic climate control and a simplified layout.
- **Drivings speeds up to 25 mph.**



# WACKER NEUSON

**Technical Data****EW100****ENGINE**

Make / Model	Perkins 854		
Type	turbo diesel engine		
Max. operating power at operating speed	hp (kW)	117 (87,2)	2400
Power rating specification	ISO 3046		
Fuel tank capacity	gal (l)	44.9 (170)	

**PERFORMANCE**

Drive speed 2-speed	mph (kph)	0-8.0 (0-12.8)	0-25.0 (0-40.2)
Gradeability		38.7° / 80%	
Ground clearance	in (mm)	14.2 (361)	
Standard tires		8.25-20 14 PR twin tires	
Drive	Hydrostatic all-wheel drive		
Steering	Front wheel steering		
Oscillation angle	11°		
Brakes	working	multiple disc	
	parking	mechanical	
Blade width	ft-in (mm)	8' 1" (2465)	
Overall width of outriggers	in (mm)		
max. lift above ground		1' 4" (416)	
max. lift below ground		4" (112)	

**HYDRAULICS**

Pump	Single pump load sensing		
Pump capacity	gal/min (l/min)	44 (17)	
Oper. pressure - working	psi (bar)	4206 (290)	
- driving		6382 (440)	
- slewing gear		3553 (245)	
Hydraulic tank capacity	gal (l)	44.6 (169)	

**NOISE LEVEL**

Noise level (LWA) (to 2000/14/EG)	101 dB(A)
-----------------------------------	-----------

**Technical Data****EW100****DIMENSIONS**

a - Height of cab	ft-in (mm)	9' 9" (2980)
b - Width	ft-in (mm)	8' 3" (2509)
c - Transport length (boom down)	ft-in (mm)	22' 6" (6847)
d - Max. digging depth	ft-in (mm)	13' 1" (3988)
d* - (long dipperstick)	ft-in (mm)	14' 1" (4293)
e - Max. vertical digging depth	ft-in (mm)	8' 6" (2596)
e* - (long dipperstick)	ft-in (mm)	9' 6" (2895)
f - Max. digging height	ft-in (mm)	20' 6" (6237)
f* - (long dipperstick)	ft-in (mm)	20' 11" (6372)
g - Max. dumping height	ft-in (mm)	16' 9" (5105)
g* - (long dipperstick)	ft-in (mm)	17' 6" (5334)
h - Max. digging radius	ft-in (mm)	22' 5" (6827)
h* - (long dipperstick)	ft-in (mm)	23' 4" (7100)
i - Max. reach on the ground	ft-in (mm)	24' (7315)
i* - (long dipperstick)	ft-in (mm)	24' 7" (7493)
k - Tail swing radius	ft-in (mm)	5' 1" (1550)
n - Max. blade lift above ground	in (mm)	1' 8" (498)
o - Max. blade lift below ground	in (mm)	5" (132)
p - Wheelbase	ft-in (mm)	7' 3" (2200)
q - Max swing angle to right		63°
r - Max swing angle to left		67°
s - Min. boom radius	ft-in (mm)	8' 4" (2528)
Max. arm force (long dipperstick)	lbf (kN)	9070 (40.3)
	lbf (kN)	8170 (36.3)
Max. bucket breakout force	lbf (kN)	13,522 (60.2)
Transport weight	lbs (kg)	21,500 (9752)

**DEALER INSTALLED ACCESSORIES** (Sold Separately)

Cab lighting, rotating beacon, right cabin mirror and 3" wide seat belt.

**Standard Package**

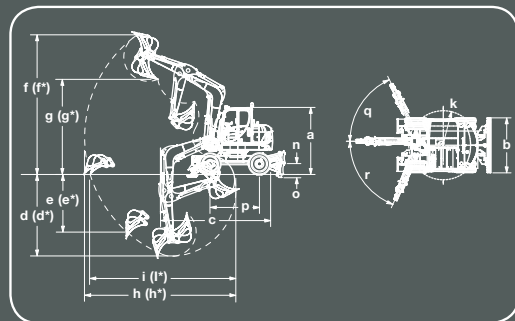
Wheeled Excavator  
EW100

includes operator's manual  
and parts book.

**Model Guide**

EW = Excavator Wheeled  
100 = Weight in metric tons

Please refer to our Price List and  
Ordering Guide for complete  
accessory information.

**LIFTING POWER INDEX (Units: lbs)**

A B	max.				16.5 ft				13 ft				10 ft			
	I	II	III	VI	I	II	III	VI	I	II	III	VI	I	II	III	VI
10 ft	4575*	2833	3847	2921	4641*	3351	4553	3461	5027*	4762	5027*	4949	-	-	-	-
5 ft	4872*	2579	3538	2657	5490*	3164	4354	3274	7066*	4365	6096	4530	-	-	-	-
ground	5302*	2701	3737	2789	5952*	3020	4200	3120	8113*	4101	5809	4266	12621*	6228	9248	6570
-3 ft	5644*	3109	4332	3219	-	-	-	-	7716*	4057	5765	4222	11563	6162	9248	6559

A = reach from turnstile center  
B = load fixing height from ground level

I - Excavator against the driving direction with stabilizer blade lowered  
II - Excavator against the driving direction with stabilizer blade raised  
III - Excavator in driving direction with stabilizer blade raised  
IV - Excavator 90° to driving direction with stabilizer blade raised

The data (lbs) refer to the machine without digging equipment and are in compliance with ISO 10567. Neither 75% of the static tilting load nor 87% of the hydraulic lifting power are exceeded.  
\*The lifting power is hydraulically limited.

Specifications may change due to continuous product development. Users are advised to consult Wacker Neuson's Operator's Manual and website for specific information regarding the engine power rating. Actual power output may vary due to conditions of specific use.

