

Track Excavator

3503

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Powerful excavator with superior performance

»» The 3503 track excavator offers one of the smoothest and most powerful hydraulic systems available on the market today in this class. This 3.5-ton excavator is available in a canopy or full cab version, each with a choice of short and long dipperstick. Powered by the economical Yanmar 4-cylinder diesel engine, the 3503 track excavator offers rubber track, dozer blade and boom-mounted working light all standard. The X-shaped undercarriage provides for greater lifting power and stability. Hydraulic system features summation regulation, dipperstick-mounted auxiliary hydraulic connection for two directions of motion and a control pattern change system. ««



ADDITIONAL ADVANTAGES:

- **Adjustable armrests and seat** provide the operator with an ergonomic and comfortable working environment.
- **Large engine cover and movable rear bumpers** offer quick access to the engine compartment for easy serviceability.
- **Two driving speeds** available for flexibility and versatility on the job site.
- **Unit equipped with pattern control selector valve** for versatility and ease of use.
- **Standard boom-mounted working light** for optimum working conditions.



**WACKER
NEUSON**

Technical Data 3503

ENGINE

Make / Model	Yanmar 4TNV88	
Type	water cooled 4 cylinder diesel engine	
Max. operating power at operating speed	hp (kW)	31.8 (23.7) 2000
Power rating specification	ISO 3046	
Fuel tank capacity	gal (l)	13.7 (52)

PERFORMANCE

Drive speed - dual	mph (kph)	1.7 (2.8) and 3.4 (5.5)
Gradeability	30° / 58%	
Crawler width	in (mm)	12 (300)
N° track rollers per side	4	
Ground clearance	in (mm)	11 (280)
Ground pressure	psi (kg/cm²)	4.69 (0.33)

HYDRAULICS

Pump	Double variable capacity pump + gear pump	
Pump capacity	gal/min (l/min)	2 x 11.8 + 6.6 (2 x 44.5 + 25.1)
Operating pressure for working and driving hydraulics	psi (bar)	3481 (240)
Operating pressure for slewing gear	psi (bar)	2901 (200)
Hydraulic tank capacity	gal (l)	13.2 (50)

NOISE LEVEL

Noise level (LWA) (to 2000/14/EG)	95 dB(A)
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DEALER INSTALLED ACCESSORIES (Sold Separately)

Rotating beacon, mirror set, 3" wide seat belt, travel alarm, cab lighting, auxiliary proportional control and steel tracks.

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DIMENSIONS

a – Height of cab / canopy	ft-in (mm)	7' 11" (2405)
b – Width	ft-in (mm)	5' 4" (1620)
c – Transport length (boom down)	ft-in (mm)	17' (5170)
d – Max. digging depth	ft-in (mm)	10' 7" (3230)
d* – (long dipperstick)	ft-in (mm)	11' 7" (3530)
e – Max. vertical digging depth	ft-in (mm)	7' 3" (2220)
e* – (long dipperstick)	ft-in (mm)	8' 2" (2500)
f – Max. digging height	ft-in (mm)	16' 1" (4910)
f* – (long dipperstick)	ft-in (mm)	16' 9" (5100)
g – Max. dumping height	ft-in (mm)	11' 11" (3620)
g* – (long dipperstick)	ft-in (mm)	12' 6" (3810)
h – Max. digging radius	ft-in (mm)	17' 3" (5270)
h* – Max. digging radius	ft-in (mm)	18' 2" (5546)
i – Max. reach on the ground	ft-in (mm)	17' (5175)
i* – Max. reach on the ground	ft-in (mm)	17' 11" (5456)
k – Tail swing radius	ft-in (mm)	4' 7" (1400)
n – Max. blade lift above ground	in (mm)	16 (410)
o – Max. blade lift below ground	in (mm)	19 (480)
p – Track length	ft-in (mm)	6' 10" (2075)
q – Max. swing angle to the right	45°	
r – Max. swing angle to the left	80°	
s – Min. boom radius	ft-in (mm)	4'10" (1470)
Max. arm force (long dipperstick)	lbf (kN)	4631 (20.6) 3777 (16.8)
Max. bucket digging force	lbf (kN)	6812 (30.3)
Transport weight cab	lbs (kg)	7716 (3500)
canopy	lbs (kg)	7507 (3405)

Standard Package

Track Excavator 3503 includes operator's manual and parts book.

LIFTING POWER INDEX (Units: lbs)

A \ B	max.		15 ft		11.5 ft		8 ft		5 ft	
	along	across	along	across	along	across	along	across	along	across
10 ft	1764*	1202	–	–	1642*	1510	–	–	–	–
6.5 ft	1852*	1058	–	–	1918*	1455	2448*	2436	–	–
3 ft	1962*	915	1984*	–	2425*	1367	3967*	3957	–	–
ground	2105*	926	2105*	–	2866*	1312	4696*	2050	–	–
-3 ft	2304*	1047	–	–	2888*	1301	4630*	2094	9254*	5060
-6.5 ft	2535*	1488	–	–	–	–	3748*	2150	7275*	5170

A = reach from turnstile center, B = load fixing height from ground level.
The data (lbs) refer to the machine without digging equipment and are in compliance with ISO 10567. Overall length with dozer blade supported.
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.

Model Guide

35 = Weight in metric tons
03 = Version

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

