

W50TC

W60TC/High Speed

W70TC/High Speed

W80TC/High Speed



COMPACT WHEEL LOADERS

	W50TC	W60TC	W70TC	W80TC
NET FLYWHEEL POWER	40 kW - 54 hp	44 kW - 60 hp	45 kW - 61 hp	56 kW - 76 hp
MAXIMUM OPERATING WEIGHT	4 800 kg	5 050 kg	5 550 kg	5 900 kg
BUCKET CAPACITY	0.65 - 0.80 m ³	0.80 - 0.90 m ³	0.90 - 1.00 m ³	1.00 - 1.20 m ³

 **NEW HOLLAND**

PROVEN PERFORMANCE

W50TC/W60TC/W70TC/W80TC



MODERN, SPACIOUS AND ERGONOMIC ROPS/FOPS CAB

- With all round 360° visibility. Front and rear wipers, heater and defroster for easy operations in all weather conditions. All controls are ergonomically positioned; adjustable steering column and retractable seat belt.



BUCKET AND EQUIPMENT MANIPULATOR

- With integrated F/N/R and speed shift selector. Instrument panel with electronic warning system.



NEW LOW EMISSION TIER 2 DEUTZ ENGINE

- Oil cooled, low fuel consumption, direct injection diesel engine, which complies with 97/68/EC directives.



FRONT AND REAR AXLES

- With planetary reduction outboard.
Hydrostatic Brake: (on Transmission) actuated over inch brake pedal in combination with Service Brake.
Service Brake :hydraulically actuated dry disk type, direct on front axle and on joint shaft.
Parking Brake: mechanical, on front axle and joint shaft
Limited slip differentials: standard on front axle and optional on rear. Fixed front axle; Rear axle oscillating $\pm 12^\circ$.
- **HIGH SPEED** version (W60TC/W70TC/W80TC) with:
 - two additional wet disc brakes on front axle, close to planetaries.
 - Limited slip differential on rear axle
 - SpeedometerTravel speed up to 35 km/h





OUTSTANDING STABILITY

- in both bucket and fork applications even at 41° articulation thanks to a long wheel base, a low centre of gravity and rear axle oscillation.

LOADER ARMS

- MONO BOOM parallel linkage
 - torsion resistant, precision welded box design
 - excellent visibility to the front tool and quick hitch
 - precise parallel lift throughout the cycle (+/-1°)
 - constant high breakout force and fast dumping speeds



STANDARD HYDRAULIC QUICK-HITCH

- - versatile in all kinds of applications
- compatible to the New Holland Skid Steer Loader coupler norm
- quick and easy changeover of forks, multi-purpose and 4 in 1 buckets from inside the cab



EASY ACCESSIBILITY

- To main components for quick and comfortable maintenance from ground level.

RESPECT FOR THE ENVIRONMENT

Compact wheel loaders respect the European "reduced noise level" as per directive 2000/14/EC phase 2.



SPECIFICATIONS



ENGINE - W50TC

Net engine power (ISO 14396)40 kW/54 hp
 Net engine power (ISO 9249)40 kW/54 hp
 Net engine power (SAE J1349).....38 kW/52 hp
 Engine speed2300 rpm
 Make and model.....Deutz F4M2011
 Typelow emission Tier II engine, oil cooled, direct injection
 Number of cylinders4
 Bore x stroke / displacement94 x 112 mm / 3.1 l
 Aspiration.....natural
 Air filter.....dry type with warning indicator
 The engine conforms to 97/68/EC STAGE 2.



ENGINE - W60TC

Net engine power (ISO 14396)44 kW/60 hp
 Net engine power (ISO 9249)44 kW/60 hp
 Net engine power (SAE J1349).....42 kW/57 hp
 Engine speed2400 rpm
 Make and model.....Deutz F4M2011
 Typelow emission Tier II engine, oil cooled, direct injection
 Number of cylinders4
 Bore x stroke / displacement94 x 112 mm / 3.1 l
 Aspiration.....natural
 Air filter.....dry type with warning indicator
 The engine conforms to 97/68/EC STAGE 2.



ENGINE - W70TC

Net engine power (ISO 14396)45 kW/61 hp
 Net engine power (ISO 9249)45 kW/61 hp
 Net engine power (SAE J1349).....43 kW/59 hp
 Engine speed2500 rpm
 Make and model.....Deutz F4M2011
 Typelow emission Tier II engine, oil cooled, direct injection
 Number of cylinders4
 Bore x stroke / displacement94 x 112 mm / 3.1 l
 Aspiration.....natural
 Air filter.....dry type with warning indicator
 The engine conforms to 97/68/EC STAGE 2.



ENGINE - W80TC

Net engine power (ISO 14396)56 kW/76 hp
 Net engine power (ISO 9249)56 kW/76 hp
 Net engine power (SAE J1349).....53 kW/72 hp
 Engine speed2300 rpm
 Make and model.....Deutz BF4M2011
 Typelow emission Tier II engine, oil cooled, direct injection
 Number of cylinders4
 Bore x stroke / displacement94 x 112 mm / 3.1 l
 Aspirationturbocharged
 Air filter.....dry type with warning indicator
 The engine conforms to 97/68/EC STAGE 2.



ELECTRICAL SYSTEM ALL MODELS

Operating voltage12 V
 Alternator55 A
 Battery.....1 x 92 Ah



HYDRAULIC SYSTEM - W50TC

Typegear type pump for implement and steering,
 open centre circuit, pressure/flow compensated.
 3rd hydraulic function for 4-in-1 bucket.
 Max. flow51 l/min
 max. working pressure250 bar



HYDRAULIC SYSTEM - W60TC

Typegear type pump for implement and steering,
 open centre circuit, pressure/flow compensated.
 3rd hydraulic function for 4-in-1 bucket.
 Max. flow67 l/min
 max. working pressure270 bar



HYDRAULIC SYSTEM - W70TC

Typegear type pump for implement and steering,
 open centre circuit, pressure/flow compensated.
 3rd hydraulic function for 4-in-1 bucket.
 Max. flow70 l/min
 max. working pressure270 bar



HYDRAULIC SYSTEM - W80TC

Typegear type pump for implement and steering,
 open centre circuit, pressure/flow compensated.
 3rd hydraulic function for 4-in-1 bucket.
 Max. flow73 l/min
 max. working pressure270 bar



TRANSMISSION ALL MODELS

Typehydrostatic transmission, (with automatic power regulation),
 inching pedal (slow approach), directional and gear change
 integrated into the loader control handle.
 Permanent 4 wheel drive.
 Forward/ Reverse speeds km/h
 1°0-6
 2°0-20
 optional **HIGH SPEED** version available for W60TC/W70TC/W80TC
 1° **HIGH SPEED**0-5
 2° **HIGH SPEED**0-16
 plus 2° **HIGH SPEED** (mechanical gear section for travelling)0-35



AXLES - ALL MODELS

All wheel drive with planetaries outboard
 Front axle rigid.....limited slip differential as standard
 Real axle oscillating.....±12°
 Limited slip differential optional
 Standard Limited slip differential on **HIGH SPEED** version
 (W60TC/W70TC/W80TC)

W70TC/W80TC



BRAKES - ALL MODELS

Hydrostatic Brake(on Transmission) actuated over inch brake pedal, in combination with Service Brake
Service Brakehydraulically actuated dry disk type, direct on front axle and on joint shaft

HIGH SPEED version (W60TC/W70TC/W80TC) has two additional wet disc brakes on front axle, close to planetaries.

Parking brakesmechanical, on front axle and joint shaft



STEERING

Type.....ORBITROL

Articulation angle±41°

Turning radius - bucket outer: W50TC - W60TC4400 mm

Turning radius - bucket outer: W70TC - W80TC.....4600 mm



CAB AND CONTROLS

- Modern, spacious and ergonomic
- All round 360° visibility
- ROPS/FOPS
- Radio pre-equipment
- Adjustable steering column
- Heater and defroster
- Fully adjustable, cloth suspension seat
- Key start
- Foot throttle
- Electronic speed shift control and F/N/R switch in loader control handle
- Retractable seat belt
- Cup holder
- Storage tray
- Sun screen front and rear
- Dome light
- Wipers front and rear
- 12-volt auxiliary power
- External rearview mirrors
- Coat hook



CAPACITIES

Fuel tank litres
Total Hydraulic system: W50-W60-W70-W80100

56 - 67 - 67 - 74



Standard and Optional tyres (other specifications upon request)

TYRES	W50TC	W60TC	W70TC	W80TC
335/80 R18	standard			
14.5-20 MPT		optional	optional	optional
365/80 R20		standard	standard	optional
405/70 R20				standard
365/70 R18	optional			
12.5-20 MPT	optional	optional	optional	
335/80 R20	optional	optional	optional	optional
375/75 R20				optional

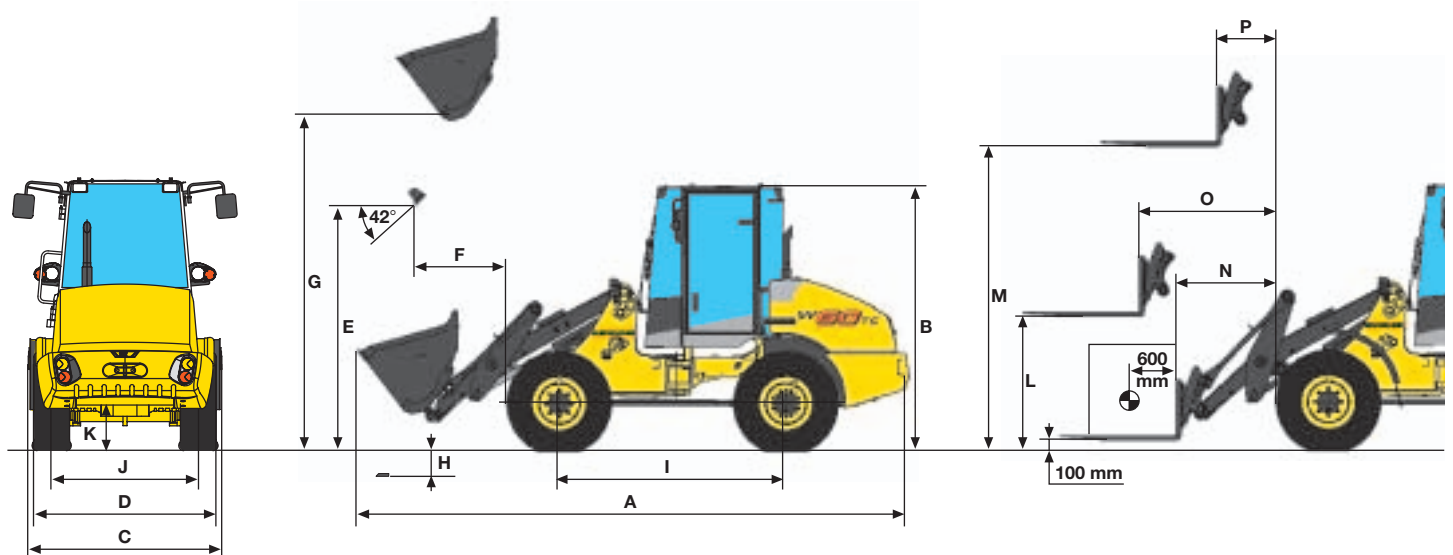
W50TC/W60TC/W70TC/W80TC

DIMENSIONS - OPERATING WEIGHT

WITH MULTIPURPOSE BUCKET		W50TC	W60TC	W70TC	W80TC
A Overall length	mm	5250	5250	5600	5750
B Cab height	mm	2680	2800	2800	2800
C Bucket width	mm	1900	2050	2050	2100
D Width over tyres	mm	1850	1910	1910	1980
E Dump clearance	mm	2550	2600	2600	2650
F Bucket dumping reach	mm	820	780	840	890
G Maximum pin height	mm	3250	3300	3400	3450
H Digging depth	mm	80	50	85	90
I Wheelbase	mm	2200	2250	2350	2350
J Tread width	mm	1480	1520	1520	1520
K Ground clearance at disc brake	mm	330	330	330	330
Operating weight (incl add. CW)	kg	4730	5045	5545	5895

PERFORMANCE

WITH MULTIPURPOSE BUCKET		W50TC	W60TC	W70TC	W80TC
Standard bucket capacity (1.8 density)	m ³	0.7	0.8	0.9	1.1
Breakout	daN	5400	5900	5800	7500
Tipping load - Straight ISO	kg	3350	3500	4270	4420
Tipping load - turned to 40° ISO	kg	2950	3100	3650	3750
Bucket width	mm	1900	2050	2050	2100
Lift capacity at ground level (hydr)	daN	4260	5050	5500	6050



DIMENSIONS - OPERATING WEIGHT

WITH PALLET FORKS		W50TC	W60TC	W70TC	W80TC
Fork length	mm	1200	1200	1200	1200
Fork support width	mm	1450	1450	1450	1450
Weight	kg	370	370	370	370
L Height at maximum reach	mm	1370	1440	1490	1490
M Maximum height	mm	3040	3100	3180	3260
N Ground reach	mm	850	750	750	820
O Maximum reach	mm	1330	1270	1300	1350
P Reach at maximum height	mm	590	530	570	560
Payload flat terrain (80%) - turned	kg	1640	1780	2120	2220
Payload rough terrain (60%) - turned	kg	1230	1340	1590	1660
Operating weight (incl add. CW)	kg	4780	5045	5545	5845

STANDARD EQUIPMENT

- 3rd hydraulic function (for 4-in-1 bucket, add hydr. attachments)
- 4 wheel drive
- Additional counterweight (check your country configuration!)
- Adjustable steering column
- Air filter warning
- Alarm and warning lights
- Bucket equipment control lever with F/N/R and speed shift selector
- Cab air filter
- Dry disc service and parking brake
- Electrical circuit protection
- Forward or reverse drive indicator
- Front and rear fenders
- Halogen headlights
- Heated cab
- **HIGH SPEED** version available for W60TC, W70TC, W80TC, includes:
 - limited slip differential on rear axle
 - two additional wet disc brakes on front axle;
 - speedometer
- Horn
- Hourmeter
- Hydraulic cooler
- Hydraulic quick coupler (SSL compatible)
- Hydraulic return filter
- Inching pedal
- Instrument panel with electronic warning system
- Planetary reductions outboard
- Parking brake
- Retractable seat belt
- ROPS/FOPS cab
- Side and brake lights

OPTIONAL EQUIPMENT

- Additional counterweight (check your country configuration!)
- Additional headlight
- Anti-theft device
- Audible reversing warning
- Hinge window latch
- High performance heating
- High performance heating with air conditioning
- Limited slip differential rear axle (Standard on **HIGH SPEED** versions)
- LTS Load Transportation Stabilisator (Not in combination with safety valves)
- Radio-cassette player
- Rotating beacon
- Safety valves on loader arms (Not in combination with LTS)
- Working lights front & rear

Note: standard and optional equipment may vary by country. Consult your NEW HOLLAND dealer for specific details.

BUCKETS			
MODEL	SAE CAPACITY / m ³	WIDTH / mm	WEIGHT / kg
W50	0.65	1800	250
W50	0.70	1900	265
W50	0.80	1900	295
W60 - HIGH SPEED	0.80	2050	315
W60 - HIGH SPEED	0.90	2050	335
W70 - HIGH SPEED	0.90	2050	335
W70 - HIGH SPEED	1.00	2100	365
W80 - HIGH SPEED	1.00	2100	365
W80 - HIGH SPEED	1.10	2100	370
W80 - HIGH SPEED	1.20	2100	410



PARTS & SERVICE

The New Holland dealer network is, in itself, the best guarantee of continued productivity for the machines it delivers to its customers. New Holland service technicians are fully equipped to resolve all maintenance and repair issues, with each and every service point providing the high standards they are obliged to observe under New Holland's stringent quality guidelines. The New Holland global parts network ensures fast, reliable, replacement parts for less downtime, increased productivity and, of course, profitable operation for its customers.

AT YOUR OWN DEALERSHIP

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Published by NEW HOLLAND KOBELCO CONSTRUCTION MACHINERY S.p.A. - www.newholland.com
Printed in Italy - LEADER Firenze - Cod. 73301010GB - Printed 12/05

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