



NEW HOLLAND

W110B W110B TC W110B LR W130B W130B TC W130B LR
WHEEL LOADERS



- New Tier III Certified Engines with Four Work Modes
- Advanced Cooling System for Better Cooling & Balance
- Three Configurations — Z-Bar, Tool Carrier, & Long Reach
- Roomy, Comfortable Cab With Outstanding Visibility



BUILT AROUND YOU

MAXIMUM PERFORMANCE, MAXIMUM PRODUCTIVITY

New Holland wheel loaders are designed to work hard, moving more material per hour to increase your overall productivity. And with superior operator comfort and easy maintenance, New Holland wheel loaders make the very most of every hour in the work day.

Efficient hydraulics

- Closed-center, load-sensing hydraulic system delivers fast cycle times and maximum breakout force on demand
- Hydraulic output and load requirements are matched to provide maximum efficiency

Tier 3 engines with multiple work modes

Four different work modes allow the operator to select a power mode to match machine performance to the specific job to maximize productivity and fuel efficiency

- Maximum power – performance for extreme conditions
- Standard power – normal loading conditions
- Economy power – lift and carry applications
- Automatic power – automatically matches the power curve to the application

Best-in-class cab

- Spacious, uncluttered design
- Comfortable seating and low-effort controls
- Outstanding visibility with nearly 50 square feet of seamless glass

Time-saving maintenance

- Ground-level daily maintenance check points
- Hinged, lockable service panels provide quick access to major engine components

W110B TC and W130B TC Tool Carrier Model

- Quick & easy attachment changes - Ideal for multiple applications
- Accurate self-leveling increases productivity with pallet forks
- Greater breakout force, reach and visibility increases efficiency

Wide range of attachments for multiple applications:

- General-Purpose Buckets
- Light Materials Buckets
- Multi-Purpose Buckets
- Rock Buckets
- Penetration Buckets
- Pallet Forks

Increase your New Holland wheel loader's versatility by mounting attachments on this new coupler. Not only does this beefy coupler provide a superior line of site for great visibility, it's also compatible with the complete line of JRB wheel loader attachments.



Standard limited slip axles deliver greater traction while the long wheelbase and short turn radius allow for extra-smooth maneuvering.



Incredible breakout force allows New Holland wheel loaders to dig into heavy, packed materials.





New Holland B Series Wheel Loaders are US EPA Tier III certified for low emissions.

	W110B	W110B TC	W110B LR	W130B	W130B TC	W130B LR
Gross horsepower, hp (kW)	136 (101) @ 2,000 rpm	136 (101) @ 2,000 rpm	136 (101) @ 2,000 rpm	162 (121) @ 2,000 rpm	162 (121) @ 2,000 rpm	162 (121) @ 2,000 rpm
Net horsepower, hp (kW)	124 (92) @ 2,000 rpm	124 (92) @ 2,000 rpm	124 (92) @ 2,000 rpm	151 (113) @ 2,000 rpm	151 (113) @ 2,000 rpm	151 (113) @ 2,000 rpm
Peak Torque, gross, lb-ft (N-m)	356 (483) @ 2,000 rpm	356 (483) @ 2,000 rpm	356 (483) @ 2,000 rpm	538 (730) @ 1,600 rpm	538 (730) @ 1,600 rpm	538 (730) @ 1,600 rpm
Peak Torque, net, lb-ft (N-m)	326 (441) @ 2,000 rpm	326 (441) @ 2,000 rpm	326 (441) @ 2,000 rpm	510 (692) @ 1,600 rpm	510 (692) @ 1,600 rpm	510 (692) @ 1,600 rpm
Fuel tank capacity, gal (L)	50 (189)	50 (189)	50 (189)	65 (246)	65 (246)	65 (246)





	W110B	W110B TC	W110B LR	W130B	W130B TC	W130B LR
Standard SAE heaped bucket capacity, yd ³ (m ³)	2.1 (1.6)	2.1 (1.6)	2.1 (1.6)	2.56 (1.96)	2.66 (2.03)	2.56 (1.96)
Breakout force, lbs (kg)	20,926 (9492)	21,650 (9820)	20,932 (9494)	26,577 (12,055)	26,756 (12,137)	27,375 (12,417)
Tipping load, straight with bucket, lbs (kg)	18,620 (8446)	—	15,819 (7175)	23,376 (10,603)	—	19,374 (8788)
Tipping load, straight with coupler	16,652 (7553)	15,138 (6867)	13,988 (6345)	21,410 (9712)	19,690 (8931)	17,872 (8107)
Tipping load, 40-degree full turn with bucket, lbs (kg)	16,232 (7363)	—	13,723 (6225)	20,379 (9244)	—	16,810 (7625)
Tipping load, 40-degree full turn, with coupler	14,427 (6544)	12,945 (5872)	12,014 (5449)	18,580 (8428)	17,024 (7722)	15,379 (6976)
Hydraulic lifting capacity at ground level, lbs (kg)	23,220 (10,532)	21,044 (9545)	19,294 (8751)	25,806 (11,705)	31,516 (14,295)	24,764 (11,233)
Reach, 45° dump angle, full height, in (mm)	37.9 (963)	40.6 (1031)	36.9 (938)	36.2 (919)	44.9 (1141)	36.8 (934)

FAST-ACTING, LOAD SENSING HYDRAULICS

Speed and efficiency are built into the hydraulic design of every New Holland wheel loader.

On-demand hydraulic power

- Closed-center, pressure-compensating hydraulic system matches hydraulic output to exact load requirements
- System efficiency results in improved fuel economy, reduced heat generation and increased power to the ground when hydraulics aren't being used
- Dual Rexroth variable-displacement axial piston pumps provide flow and pressure on demand for loader functions
- A steering priority valve assures consistent hydraulic flow for steering

Advantages of Z-bar linkage

- Faster loader cycle time
- Increased tipping load
- Shorter overall length
- Greater visibility to bucket

Advantages of W110B TC and W130B TC parallel lift (Tool Carrier)

- Increased breakout force - 2 cylinders vs. 1
- Greater dump reach - longer loader arms
- Higher hinge pin height
- Less attachment deviation throughout the lift cycle
- More accurate self-leveling allows for easy, smooth pallet fork maneuvering
- Greater visibility to pallet forks

Easy-load buckets

- Knife-like cutting edges penetrate easily into the pile
- High hinge pin position provides better crowding action
- Curved bucket floor for fast, easy filling
- Tapered skid plates on the bucket underside reduce ground drag



New Holland Z-linkage loader design delivers outstanding breakout force.



Load Travel Stabilizer

The optional Load Travel Stabilizer (LTS) absorbs shocks and smooths the ride on rough terrain, allowing for faster travel speeds, and better material retention.

DURABLE DESIGN AND RELIABLE POWER

Tight deadlines, heavy loads, rough terrain, brutal temperatures, or all of the above – A New Holland wheel loader will match your demands.

More power to the ground

- Engine torque response provides extra power when needed
- Direct fuel injection assures outstanding fuel efficiency

Advanced Cooling System design

- Eliminates debris buildup and assures flow of clean, cool air to all cooling components
- Hydraulically-driven fan with optional purge feature reduces build up of debris
- Lower component operating temperatures decreases operating costs by reducing fluid breakdown and extending component life
- Mid-mounted cooling system and optimal engine placement

Heavy-duty outboard planetary reduction final drives

- Develops torque at the wheel instead of along the axle
- Reduces axle shaft stress
- Allows independent servicing of one side of the axle shaft

Better traction and control

- Maintenance-free outboard wet disc brakes on all wheels
- Rugged, limited slip differentials keep moving in the worst conditions by transferring power from the slipping wheel to the wheels with the best traction
- Rear axle oscillates up to 24 degrees for added confidence when working on rough, uneven ground
- Reduced tire spin extends tire life

Reliable articulation joint

- Heavy-duty top and bottom plates
- Double-tapered roller bearings
- High-mount steering cylinders
- Clean hose routing between the front and rear frames



Time-saving servicing

- Sight gauges for transmission and hydraulic fluid levels
- Central environmental fluid drain bank
- 500-hour engine oil change interval
- Maintenance-free driveshaft u-joints
- Extended lubrication intervals for loader linkage pins (50 hours) and articulation joint bearings (1000 hours)

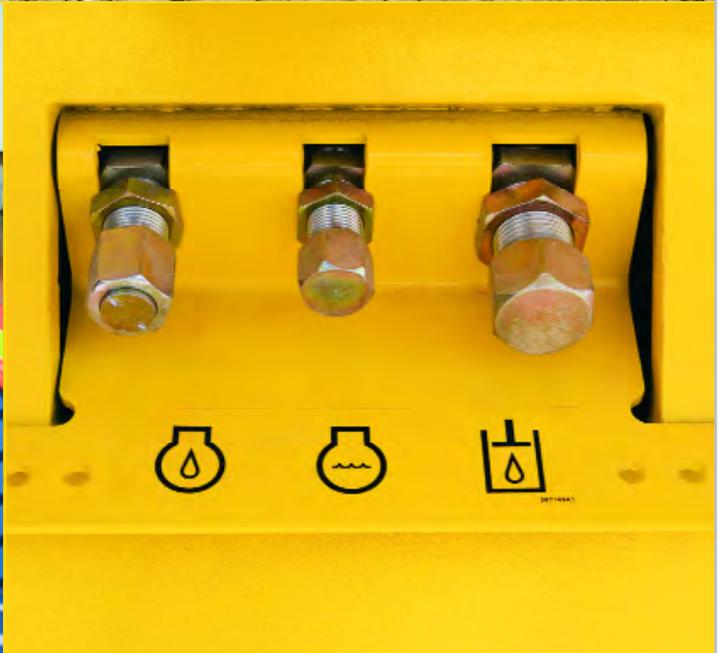
Better balance means better performance

New Holland's main frame design incorporates smart weight distribution and convenient service access. The engine, transmission and cooling system are strategically located for optimum weight distribution. A better balanced machine improves lifting performance and provides a better weight-to-horsepower ratio.



Powerful Tier III engines provide increased torque for more lugging and lifting ability.





You can reach all daily check points from ground level, and can easily reach major engine components through lockable, swing-open service doors.

Environmental fluid drains for engine oil, coolant and hydraulic oil, as well as hydraulic diagnostic quick couplers save you valuable time.

Analog instrument gauges are easy to see and read. Engine diagnostics provide warning with a three-level warning light system.

Forward/reverse provides faster cycle times.



COMFORT AND CONVENIENCE EQUAL PRODUCTIVITY

A comfortable operator is more productive. That's why New Holland engineers invest extra time and effort in designing the optimum operator environment.

Outstanding Visibility

- Expansive flat glass area provides excellent overall visibility
- No front corner posts to obstruct your view to the front bucket
- Low Rear Hood and frame design provides outstanding visibility to the rear
- Standard front and rear washer/wipers and sun curtains

Convenient, Automatic Shifting

- State-of-the-art 4x3 powershift transmission features a convenient forward/reverse shuttle lever mounted to the left-hand side of the steering wheel
- Switch between manual and automatic operating modes with a simple press of a button
 - Automatic mode* does the shifting for you.
 - Manual mode*, shift between gears by twisting the shuttle lever.

Fingertip Loader Control

- Choose standard pilot-operated joystick or optional 2-lever or 3-lever fingertip controls – all with fast-cycle forward/reverse switch.

Uncluttered, Comfortable Cab

- Wide doors for easy entry and exit
- Quiet, roomy interior dimensions
- Seat and tilting steering column adjust to the perfect position
- Tightly sealed, heavily insulated and isolation-mounted cabs use maintenance-free oil-filled dampeners to keep out dust, dirt, noise and vibrations
- Optional deep, wide, air-ride seat with foldable armrests

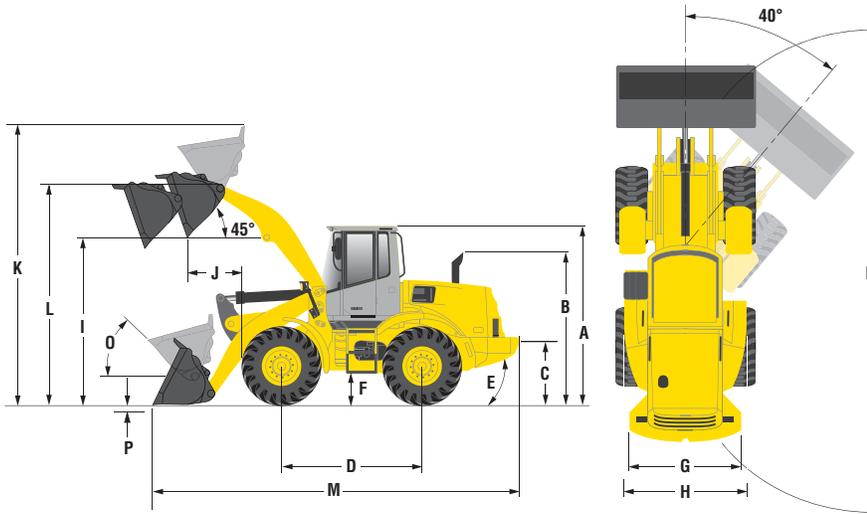


Flat glass provides an unobstructed view to the bucket and the worksite.



W110B Specifications

DIMENSIONS



A. Height to top of cab, in (mm)	129	(3277)
B. Height to top of exhaust, in (mm)	118.2	(3001)
C. Height to drawbar, in (mm)	37.6	(954)
D. Wheelbase, in (mm)	108.3	(2750)
E. Rear departure angle	34°	
Turning radius-outside of tires, in. (mm)	195.8	(4972)
F. Ground clearance, in. (mm)	14.85	(377)
G. Tread width, in. (mm)	74.8	(1900)
H. Width over tires, in. (mm)	94.1	(2389)

ENGINE

Make & model	FPT 445TA/EGE
Cylinders	4
Displacement, cu in (l)	274 (4.5)
Bore X stroke, in (mm)	4.09 (104) x 5.20 (132)

Power

Standard

Rated Gross (per SAE J1995)	118 hp (88 kW) @ 2000 RPM
Peak Gross (per SAE J1995)	129 hp (96 kW) @ 1800 RPM
Rated Net (per SAEJ1349)	106 hp (79 kW) @ 2000 RPM
Peak Net (per SAE J1349)	118 hp (88 kW) @ 1800 RPM

Boosted Power

Rated Gross (per SAE J1995)	136 hp (101 kW) @ 2000 RPM
Peak Gross (per SAE J1995)	142 hp (106 kW) @ 1800 RPM
Rated Net (per SAE J1349)	123 hp (92 kW) @ 2000 RPM
Peak Net (per SAE J1349)	131 hp (98 kW) @ 1800 RPM

Power (continued)

Economy

Rated Gross (per SAE J1995)	88 hp (66 kW) @ 2000 RPM
Peak Gross (per SAE J1995)	110 hp (82 kW) @ 1700 RPM
Rated Net (per SAEJ1349)	76 hp (57 kW) @ 2000 RPM
Peak Net (per SAE J1349)	101 hp (75 kW) @ 1700 RPM

Torque, Max.

Standard

Gross (per SAE J1995)	407 lb-ft (552 N-m) @ 1300 RPM
Net (per SAE J1349)	391 lb-ft (530 N-m) @ 1300 RPM

Boosted

Gross (per SAE J1995)	448 lb-ft (608 N-m) @ 1600 RPM
Net (per SAE J1349)	424 lb-ft (575 N-m) @ 1600 RPM

Economy

Gross (per SAE J1995)	403 lb-ft (547 N-m) @ 1200 RPM
Net (per SAE J1349)	389 lb-ft (528 N-m) @ 1200 RPM

SERVICE CAPACITIES

Fuel tank, gal (l)	50.0 (189)
Engine oil, qt (l)	12 (11.4)
Engine oil / filter, qt (l)	13 (12.3)
Transmission with filter, gal (l)	5.0 (18.9)
Cooling system, gal (l)	5.8 (22)
Hydraulic reservoir, gal (l)	15.0 (56.8)
Hydraulic system, gal (l)	30.0 (113.6)
Axles (total), each, qt (l)	22.7 (21.5)

TRANSMISSION

Travel speeds with 17.5x25 L2/L3 tires

	Forward	Reverse
Gear 1, mph (km/h)	3.8 (6.1)	4.0 (6.4)
Gear 2, mph (km/h)	6.9 (11.1)	7.3 (11/7)
Gear 3, mph (km/h)	13.4 (21.6)	14.1 (22.8)
Gear 4, mph (km/h)	22.3 (35.9)	

HYDRAULIC CYLINDERS

Lift cylinders, bore x stroke x rod, in (mm)	4.0 (102) x 30.8 (783) x 2.25 (57.2)
Dump cylinder, bore x stroke x rod, in (mm)	4.5 (114) x 20.8 (529) x 2.5 (64)
Steering cylinders, bore x stroke x rod, in (mm)	2.5 (64) x 18.2 (462) x 1.4 (35)

HYDRAULIC SYSTEMS/STEERING

Maximum flow	35.4 gpm (134 l/m) @ 2000 rpm @ 2,750 psi (18,961 kPa)
Pressure, psi (kPa)	Loader relief: 3,625 (25,000) Steering relief: 3,500 (24,132)
Valves	Closed-center, load sensing; positive low pressure regeneration for bucket dump
Hydraulic cycle times	
Raise-loaded	5.6 sec
Dump-loaded	1.1 sec
Lower-empty, power down	3.7 sec
Lower-empty, float down	2.7 sec

W110B Specifications

PERFORMANCE DATA: PIN ON BUCKETS (see diagram previous page)

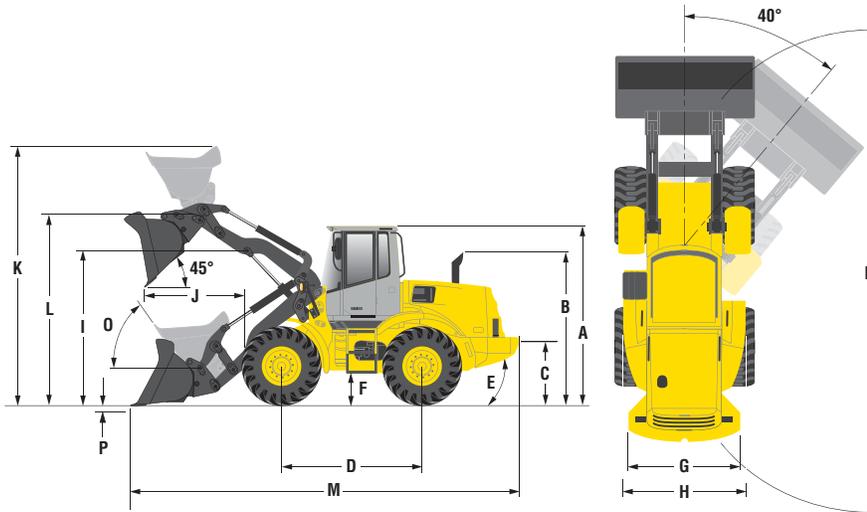
KEY	Bucket Type/Size									
	General Purpose w/ Bolt-on Edge		General Purpose w/ Teeth and Segments		General Purpose w/ Bolt-on Edge		General Purpose w/ Teeth and Segments		General Purpose w/ Bolt-on Edge	
Capacity, heaped (SAE), cu yd (m ³)	2.1	(1.6)	2.0	(1.5)	2.3	(1.8)	2.3	(1.8)	2.6	(2.0)
Capacity, struck (SAE), cu yd (m ³)	1.7	(1.3)	1.7	(1.3)	1.98	(1.51)	1.98	(1.51)	2.21	(1.69)
Bucket width, in (mm)	100.4	(2550)	101.1	(2567)	100.4	(2550)	101.1	(2567)	100.4	(2550)
Bucket weight, lb (kg)	1,599	(725)	1,702	(772)	1,686	(765)	1,789	(811)	1,619	(734)
Breakout force, lb (kg)	20,926	(9492)	20,822	(9445)	19,364	(8783)	19,259	(8736)	18,175	(8244)
Tipping load, straight, lb (kg)	18,620	(8446)	18,532	(8406)	18,381	(8337)	18,229	(8268)	18,291	(8297)
Tipping load @ 40 degree full turn, lb (kg)	16,232	(7363)	16,138	(7320)	16,011	(7262)	15,861	(7194)	15,939	(7,230)
I. Dump clearance, 45° dump angle-full height, in (mm)	108.8	(2763)	104.9	(2665)	106.8	(2713)	103.0	(2615)	105.0	(2667)
J. Reach, 45° dump angle, full height, in (mm) Reach, 45° dump angle, 7-ft. (2.13 m) height, in (mm)	37.9	(963)	41.9	(1063)	39.9	(1013)	43.8	(1114)	41.6	(1056)
K. Overall height, bucket @ full height, in (mm)	181.7	(4616)	181.7	(4616)	184.4	(4684)	184.4	(4684)	186.8	(4746)
L. Hinge pin height, fully raised, in (mm)	142.1	(3608)	142.1	(3608)	142.1	(3608)	142.1	(3608)	142.1	(3608)
M. Overall length, bucket on ground, in (mm)	260.2	(6609)	266.1	(6759)	263.2	(6685)	269.0	(6834)	265.9	(6755)
N. Clearance circle, bucket @ carry, in (mm) Hydraulic lifting capacity @ full height, lb (kg) Hydraulic lifting capacity @ max. reach, lb (kg) Hydraulic lifting capacity @ ground level, lb (kg)	431	(10,949)	435	(11,050)	432.7	(10,991)	436.8	(11,095)	434.3	(11,032)
Max. dump angle @ full height	55°		55°		55°		55°		55°	
Max.rollback @ full height	54°		54°		54°		54°		54°	
Max rollback @ max reach	52°		52°		52°		52°		52°	
O. Max. rollback @ carry Max.rollback @ ground	43°		43°		43°		43°		43°	
P. Digging depth, in (mm) Operating weight, lb (kg)	2.5	(64)	2.9	(75)	2.8	(70)	3.2	(80)	3.1	(78)
	23,069	(10,464)	23,172	(10,511)	23,156	(10,503)	23,259	(10,550)	23,089	(10,473)

PERFORMANCE DATA: COUPLER BUCKETS (see diagram previous page)

KEY	Bucket Type/Size							
	NH Coupler & General Purpose w/ Bolt-on Edge		NH Coupler & General Purpose w/ Bolt-on Edge & Teeth		ACS Coupler & General Purpose w/ Bolt-on Edge		ACS Coupler & General Purpose w/ Bolt-on Edge & Teeth	
Capacity, heaped (SAE), cu yd (m ³)	2.1	(1.6)	2.1	(1.6)	2.1	(1.6)	2.1	(1.6)
Capacity, struck (SAE), cu yd (m ³)	1.75	(1.34)	1.75	(1.34)	1.81	(1.38)	1.81	(1.38)
Bucket width, in (mm)	100.4	(2550)	101.1	(2568)	100.4	(2550)	101.1	(2568)
Bucket weight, lb (kg)	2,333	(1058)	2,436	(1105)	2,615	(1186)	2,990	(1356)
Breakout force, lb (kg)	16,847	(7642)	16,754	(7599)	20,523	(9309)	23,867	(10,826)
Tipping load, straight, lb (kg)	16,652	(7553)	16,528	(7497)	17,468	(7924)	17,039	(7729)
Tipping load @ 40 degree full turn, lb (kg)	14,427	(6544)	14,303	(6488)	15,112	(6855)	14,686	(6661)
I. Dump clearance, 45° dump angle-full height, in (mm)	102.9	(2614)	99.1	(2516)	108.9	(2765)	108.9	(2765)
J. Reach, 45° dump angle, full height, in (mm) Reach, 45° dump angle, 7-ft. (2.13 m) height, in (mm)	43.3	(1099)	47.2	(1199)	37.8	(961)	37.8	(961)
K. Overall height, bucket @ full height, in (mm)	186.1	(4727)	186.1	(4727)	186.3	(4733)	186.3	(4733)
L. Hinge pin height, fully raised, in (mm)	142	(3607)	142	(3607)	142	(3607)	142	(3607)
M. Overall length, bucket on ground, in (mm)	269	(6832)	274.8	(6981)	260	(6605)	265.9	(6754)
N. Clearance circle, bucket @ carry, in (mm) Hydraulic lifting capacity @ full height, lb (kg) Hydraulic lifting capacity @ max. reach, lb (kg) Hydraulic lifting capacity @ ground level, lb (kg)	436.1	(11,078)	440.4	(11,185)	430.9	(10,946)	436.3	(11,073)
Max. dump angle @ full height	55°		55°		55°		55°	
Max.rollback @ full height	54°		54°		54°		54°	
Max rollback @ max reach	52°		52°		52°		52°	
O. Max. rollback @ carry Max.rollback @ ground	43°		43°		43°		43°	
P. Digging depth, in (mm) Operating weight, lb (kg)	3.6	(91)	4	(101)	2.5	(64)	2.9	(74)
	23,804	(10,797)	23,907	(10,844)	24,085	(10,925)	24,460	(11,095)

W110B TC Specifications

DIMENSIONS



A. Height to top of cab, in (mm)	129	(3277)
B. Height to top of exhaust, in (mm)	118.2	(3001)
C. Height to drawbar, in (mm)	37.6	(954)
D. Wheelbase, in (mm)	108.3	(2750)
E. Rear departure angle	34°	
Turning radius-outside of tires, in. (mm)	195.8	(4972)
F. Ground clearance, in. (mm)	14.85	(377)
G. Tread width, in. (mm)	74.8	(1900)
H. Width over tires, in. (mm)	94.1	(2389)

ENGINE

Make & model	FPT 445TA/EGE
Cylinders	4
Displacement, cu in (l)	274 (4.5)
Bore X stroke, in (mm)	4.09 (104) x 5.20 (132)
Power	
Standard	
Rated Gross (per SAE J1995)	118 hp (88 kW) @ 2000 RPM
Peak Gross (per SAE J1995)	129 hp (96 kW) @ 1800 RPM
Rated Net (per SAE J1349)	106 hp (79 kW) @ 2000 RPM
Peak Net (per SAE J1349)	118 hp (88 kW) @ 1800 RPM
Boosted Power	
Rated Gross (per SAE J1995)	136hp (101 kW) @ 2000 RPM
Peak Gross (per SAE J1995)	142 hp (106 kW) @ 1800 RPM
Rated Net (per SAE J1349)	123 hp (923 kW) @ 2000 RPM
Peak Net (per SAE J1349)	131 hp (98 kW) @ 1800 RPM

Power (continued)

Economy	
Rated Gross (per SAE J1995)	88 hp (66 kW) @ 2000 RPM
Peak Gross (per SAE J1995)	110 hp (82 kW) @ 1700 RPM
Rated Net (per SAE J1349)	76 hp (57 kW) @ 2000 RPM
Peak Net (per SAE J1349)	101 hp (75 kW) @ 1700 RPM
Torque, Max.	
Standard	
Gross (per SAE J1995)	407 lb-ft (552 N-m) @ 1300 RPM
Net (per SAE J1349)	391 lb-ft (530 N-m) @ 1300 RPM
Boosted	
Gross (per SAE J1995)	448 lb-ft (608 N-m) @ 1600 RPM
Net (per SAE J1349)	424 lb-ft (575 N-m) @ 1600 RPM
Economy	
Gross (per SAE J1995)	403 lb-ft (547 N-m) @ 1200 RPM
Net (per SAE J1349)	389 lb-ft (528 N-m) @ 1200 RPM

SERVICE CAPACITIES

Fuel tank, gal (l)	50.0 (189)
Engine oil, qt (l)	12 (11.4)
Engine oil / filter, qt (l)	13 (12.3)
Transmission with filter, gal (l)	5.0 (18.9)
Cooling system, gal (l)	5.8 (22)
Hydraulic reservoir, gal (l)	15.0 (56.8)
Hydraulic system, gal (l)	30.0 (113.6)
Axles (total), each, qt (l)	22.7 (21.5)

TRANSMISSION

Travel speeds with 17.5x25 L2/L3 tires		
	Forward	Reverse
Gear 1, mph (km/h)	3.8 (6.1)	4.0 (6.4)
Gear 2, mph (km/h)	6.9 (11.1)	7.3 (11/7)
Gear 3, mph (km/h)	13.4 (21.6)	14.1 (22.8)
Gear 4, mph (km/h)	22.3 (35.9)	

HYDRAULIC CYLINDERS

Lift cylinders, bore x stroke x rod, in (mm)	4.0 (102) x 30.8 (783) x 2.25 (57.2)
Dump cylinder, bore x stroke x rod, in (mm)	4.5 (114) x 20.8 (529) x 2.5 (64)
Steering cylinders, bore x stroke x rod, in (mm)	2.5 (64) x 18.2 (462) x 1.4 (35)

HYDRAULIC SYSTEMS/STEERING

Maximum flow	35.4 gpm (134 l/m) @ 2000 rpm @ 2,750 psi (18,961 kPa)
Pressure, psi (kPa)	Loader relief: 3,625 (25,000) Steering relief: 3,500 (24,132)
Valves	Closed-center, load sensing; positive low pressure regeneration for bucket dump
Hydraulic cycle times	
Raise-loaded	5.6 sec
Dump-loaded	1.1 sec
Lower-empty, power down	3.7 sec
Lower-empty, float down	2.7 sec

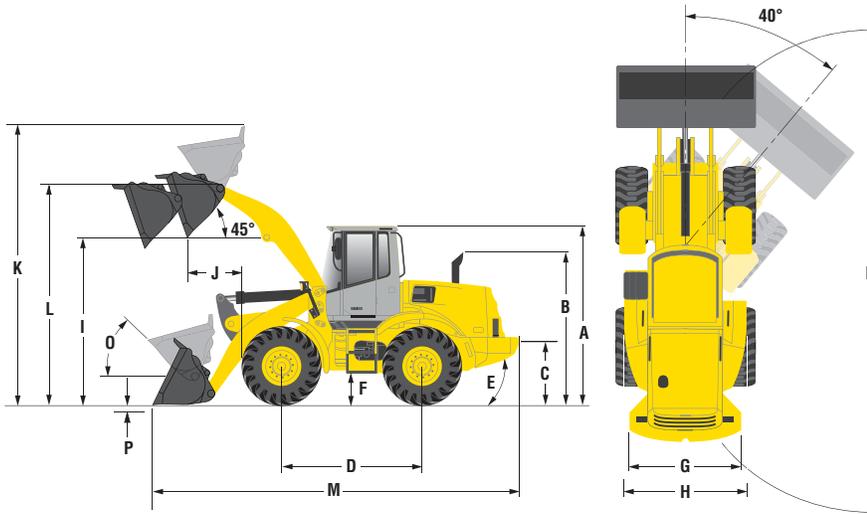
W110B TC Specifications

PERFORMANCE DATA: COUPLER BUCKETS (see diagram previous page)

KEY	Bucket Type/Size							
	NH General Purpose w/ Bolt-on Edge w/ NH Coupler		NH General Purpose w/ Teeth & Segments		ACS General Purpose w/ Bolt-on Edge		ACS General Purpose w/ Teeth & Segments	
Capacity, heaped (SAE), cu yd (m ³)	2.1	(1.6)	2.1	(1.6)	2.1	(1.6)	2.1	(1.6)
Capacity, struck (SAE), cu yd (m ³)	1.75	(1.34)	1.75	(1.34)	1.81	(1.38)	1.81	(1.38)
Bucket width, in (mm)	100.4	(2550)	101.1	(2568)	100.4	(2550)	101.1	(2568)
Bucket weight, lb (kg)	2,205	(1000)	2,308	(1047)	2,775	(1259)	3,150	(1429)
Breakout force, lb (kg)	21,650	(9820)	21,549	(9775)	22,290	(10,111)	25,194	(11,428)
Tipping load, straight, lb (kg)	15,138	(6867)	15,021	(6813)	15,640	(7094)	15,233	(6905)
Tipping load @ 40 degree full turn, lb (kg)	12,945	(5872)	12,828	(5819)	13,297	(6031)	12,882	(5843)
I. Dump clearance, 45° dump angle-full height, in (mm)	102	(2591)	98.1	(2493)	109.4	(2780)	105.6	(2682)
J. Reach, 45° dump angle, full height, in (mm) Reach, 45° dump angle, 7-ft. (2.13 m) height, in (mm)	40.6	(1031)	44.6	(1132)	43.9	(1116)	47.9	(1216)
K. Overall height, bucket @ full height, in (mm)	188.5	(4787)	188.5	(4787)	197.6	(5020)	197.6	(5020)
L. Hinge pin height, fully raised, in (mm)	147.4	(3744)	147.4	(3744)	147.4	(3744)	147.4	(3744)
M. Overall length, bucket on ground, in (mm)	271.2	(6889)	277.1	(7037)	261.9	(6652)	267.8	(6802)
N. Clearance circle, bucket @ carry, in (mm) Hydraulic lifting capacity @ full height, lb (kg) Hydraulic lifting capacity @ max. reach, lb (kg) Hydraulic lifting capacity @ ground level, lb (kg) Max. dump angle @ full height Max.rollback @ full height Max rollback @ max reach	435.8	(11,070)	439.3	(11,157)	427.1	(10,849)	432.9"	(10,995)
	10,944	(4964)	10,832	(4913)	10,983	(4982)	10,58	(4799)
	14,822	(6723)	14,716	(6675)	14,436	(6548)	14,054	(6375)
	21,044	(9545)	20,859	(9461)	22,348	(10,137)	21,994	(9976)
	57°		57°		57°		57°	
	64°		64°		64°		64°	
	53°		53°		53°		53°	
O. Max. rollback @ carry Max.rollback @ ground	57°		57°		58°		58°	
	57°		57°		56°		56°	
P. Digging depth, in (mm) Operating weight, lb (kg)	10	(254)	10.4	(264)	2.2	(55)	2.6	(66)
	25,678	(11,648)	25,781	(11,694)	26,249	(11,906)	26,624	(12,076)

W110B LR Specifications

DIMENSIONS



A. Height to top of cab, in (mm)	129	(3277)
B. Height to top of exhaust, in (mm)	118.2	(3001)
C. Height to drawbar, in (mm)	37.6	(954)
D. Wheelbase, in (mm)	108.3	(2750)
E. Rear departure angle	34°	
Turning radius-outside of tires, in. (mm)	195.8	(4972)
F. Ground clearance, in. (mm)	14.85	(377)
G. Tread width, in. (mm)	74.8	(1900)
H. Width over tires, in. (mm)	94.1	(2389)

ENGINE

Make & model	FPT 445TA/EGE
Cylinders	4
Displacement, cu in (l)	274 (4.5)
Bore X stroke, in (mm)	4.09 (104) x 5.20 (132)
Power	
Standard	
Rated Gross (per SAE J1995)	118 hp (88 kW) @ 2000 RPM
Peak Gross (per SAE J1995)	129 hp (96 kW) @ 1800 RPM
Rated Net (per SAEJ1349)	106 hp (79 kW) @ 2000 RPM
Peak Net (per SAE J1349)	118 hp (88 kW) @ 1800 RPM
Boosted Power	
Rated Gross (per SAE J1995)	136 hp (101 kW) @ 2000 RPM
Peak Gross (per SAE J1995)	142 hp (106 kW) @ 1800 RPM
Rated Net (per SAE J1349)	123 hp (92 kW) @ 2000 RPM
Peak Net (per SAE J1349)	131 hp (98 kW) @ 1800 RPM

Power (continued)

Economy	
Rated Gross (per SAE J1995)	88 hp (66 kW) @ 2000 RPM
Peak Gross (per SAE J1995)	110 hp (82 kW) @ 1700 RPM
Rated Net (per SAEJ1349)	76 hp (57 kW) @ 2000 RPM
Peak Net (per SAE J1349)	101 hp (75 kW) @ 1700 RPM

Torque, Max.

Standard	
Gross (per SAE J1995)	407 lb-ft (552 N-m) @ 1300 RPM
Net (per SAE J1349)	391 lb-ft (530 N-m) @ 1300 RPM
Boosted	
Gross (per SAE J1995)	448 lb-ft (608 N-m) @ 1600 RPM
Net (per SAE J1349)	424 lb-ft (575 N-m) @ 1600 RPM
Economy	
Gross (per SAE J1995)	403 lb-ft (547 N-m) @ 1200 RPM
Net (per SAE J1349)	389 lb-ft (528 N-m) @ 1200 RPM

SERVICE CAPACITIES

Fuel tank, gal. (l)	50.0 (189)
Engine oil, qt (l)	12 (11.4)
Engine oil / filter, qt (l)	13 (12.3)
Transmission with filter, gal. (l)	5.0 (18.9)
Cooling system, gal. (l)	5.8 (22)
Hydraulic reservoir, gal. (l)	15.0 (56.8)
Hydraulic system, gal. (l)	30.0 (113.6)
Axles (total), each, qt (l)	22.7 (21.5)

TRANSMISSION

Travel speeds with 17.5x25 L2/L3 tires

	Forward	Reverse
Gear 1, mph (km/h)	3.8 (6.1)	4.0 (6.4)
Gear 2, mph (km/h)	6.9 (11.1)	7.3 (11/7)
Gear 3, mph (km/h)	13.4 (21.6)	14.1 (22.8)
Gear 4, mph (km/h)	22.3 (35.9)	

HYDRAULIC CYLINDERS

Lift cylinders, bore x stroke x rod, in (mm)	4.0 (102) x 30.8 (783) x 2.25 (57.2)
Dump cylinder, bore x stroke x rod, in (mm)	4.5 (114) x 20.8 (529) x 2.5 (64)
Steering cylinders, bore x stroke x rod, in (mm)	2.5 (64) x 18.2 (462) x 1.4 (35)

HYDRAULIC SYSTEMS/STEERING

Maximum flow	35.4 gpm (134 l/m) @ 2000 rpm @ 2,750 psi (18,961 kPa)
Pressure, psi (kPa)	Loader relief: 3,625 (25,000)
	Steering relief: 3,500 (24,132)
Valves	Closed-center, load sensing; positive low pressure regeneration for bucket dump
Hydraulic cycle times	
Raise-loaded	5.6 sec
Dump-loaded	1.1 sec
Lower-empty, power down	3.7 sec
Lower-empty, float down	2.7 sec

W110B LR Specifications

PERFORMANCE DATA: PIN ON BUCKETS (see diagram previous page)

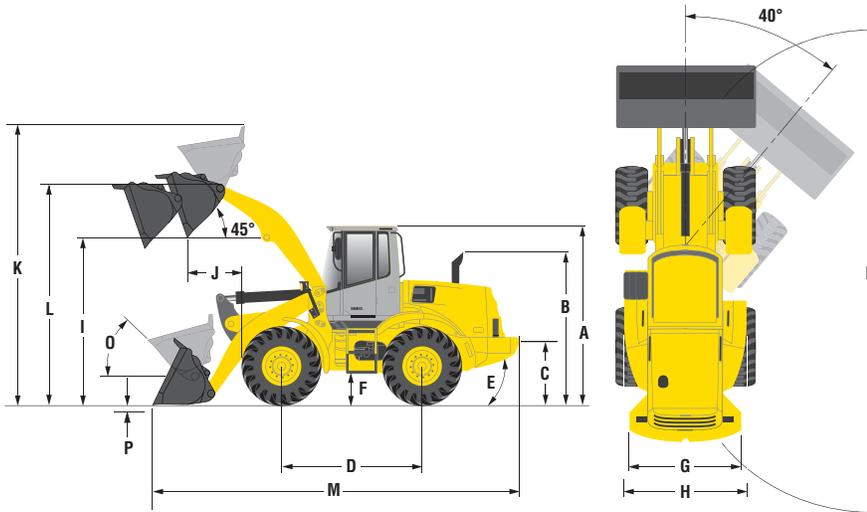
KEY	Bucket Type/Size									
	General Purpose w/ Bolt-on Edge		General Purpose w/ Bolt-on Edge & Teeth		General Purpose w/ Bolt-on Edge		General Purpose w/ Bolt-on Edge & Teeth		General Purpose w/ Bolt-on Edge	
Capacity, heaped (SAE), cu yd (m ³)	2.1	(1.6)	2.1	(1.6)	2.3	(1.76)	2.3	(1.76)	2.6	(1.99)
Capacity, struck (SAE), cu yd (m ³)	1.77	(1.35)	1.77	(1.35)	1.98	(1.51)	1.98	(1.51)	2.21	(1.69)
Bucket width, in (mm)	100.4	(2550)	101.4	(2567)	100.4	(2550)	101.4	(2567)	100.4	(2550)
Bucket weight, lb (kg)	1,599	(725)	1,702	(772)	1,686	(765)	1,789	(811)	1,619	(734)
Breakout force, lb (kg)	20,932	(9494)	20,823	(9445)	19,366	(8784)	19,257	(8735)	18,175	(8244)
Tipping load, straight, lb (kg)	15,819	(7175)	15,723	(7132)	15,615	(7083)	15,471	(7018)	15,561	(7058)
Tipping load @ 40 degree full turn, lb (kg)	13,723	(6225)	13,623	(6179)	13,534	(6139)	13,392	(6074)	13,493	(6120)
I. Dump clearance, 45° dump angle-full height, in (mm)	123.7	(3142)	119.8	(3044)	121.7	(3092)	117.9	(2994)	119.9	(3046)
J. Reach, 45° dump angle, full height, in (mm) Reach, 45° dump angle, 7-ft. (2.13 m) height, in (mm)	36.9	(938)	40.9	(1039)	38.9	(988)	42.9	(1089)	40.6	(1032)
K. Overall height, bucket @ full height, in (mm)	67.5	(1715)	69.7	(1770)	68.6	(1742)	70.7	(1795)	69.4	(1763)
L. Hinge pin height, fully raised, in (mm)	196.6	(4995)	196.6	(4995)	199.3	(5063)	199.3	(5063)	201.8	(5125)
M. Overall length, bucket on ground, in (mm)	157	(3987)	157	(3987)	157	(3987)	157	(3987)	157	(3987)
N. Overall length, bucket on ground, in (mm)	273.9	(6956)	279.7	(7104)	276.8	(7031)	282.6	(7178)	279.5	(7100)
O. Clearance circle, bucket @ carry, in (mm)	443.6	(11,267)	448	(11,378)	445.5	(11,315)	449.9	(11,428)	447.3	(11,361)
Hydraulic lifting capacity @ full height, lb (kg)	11,527	(5228)	11,424	(5182)	11,433	(5190)	11,341	(5144)	11,512	(5222)
Hydraulic lifting capacity @ max. reach, lb (kg)	15,149	(6872)	15,047	(6825)	15,050	(6827)	14,943	(6778)	15,104	(6851)
Hydraulic lifting capacity @ ground level, lb (kg)	19,294	(8751)	19,198	(8708)	19,101	(8664)	18,982	(8610)	19,067	(8649)
Max. dump angle @ full height	51°		51°		51°		51°		51°	
Max.rollback @ full height	55°		55°		55°		55°		55°	
Max rollback @ max reach	52°		52°		52°		52°		52°	
P. Max. rollback @ carry	44°		44°		44°		44°		44°	
Max.rollback @ ground	39°		39°		39°		39°		39°	
P. Digging depth, in (mm)	4	(100)	4.4	(111)	4.2	(106)	4.6	(116)	4.5	(114)
Operating weight, lb (kg)	23,442	(10,633)	23,545	(10,680)	23,529	(10,673)	23,632	(10,719)	23,463	(10,642)

PERFORMANCE DATA: COUPLER BUCKETS (see diagram previous page)

KEY	Bucket Type/Size							
	NH Coupler & General Purpose w/ Bolt-on Edge		NH Coupler & General Purpose w/ Bolt-on Edge & Teeth		ACS Coupler & General Purpose w/ Bolt-on Edge		ACS Coupler & General Purpose w/ Bolt-on Edge & Teeth	
Capacity, heaped (SAE), cu yd (m ³)	2.1	(1.6)	2.1	(1.6)	2.1	(1.6)	2.1	(1.6)
Capacity, struck (SAE), cu yd (m ³)	1.75	(1.34)	1.75	(1.34)	1.81	(1.38)	1.81	(1.38)
Bucket width, in (mm)	100.4	(2550)	101.4	(2567)	100.4	(2550)	101.1	(2567)
Bucket weight, lb (kg)	2,333	(1058)	2,436	(1105)	2,615	(1186)	2,990	(1356)
Breakout force, lb (kg)	16,842	(7639)	16,746	(7596)	20,529	(9312)	23,873	(10,829)
Tipping load, straight, lb (kg)	13,988	(6345)	13,687	(6290)	14,713	(6674)	14,294	(6484)
Tipping load @ 40 degree full turn, lb (kg)	12,014	(5449)	11,892	(5394)	12,642	(5734)	12,225	(5545)
I. Dump clearance, 45° dump angle-full height, in (mm)	117.8	(2993)	114	(2895)	123.8	(3144)	119.9	(3046)
J. Reach, 45° dump angle, full height, in (mm) Reach, 45° dump angle, 7-ft. (2.13 m) height, in (mm)	42.3	(1074)	46.3	(1175)	36.9	(937)	40.9	(1038)
K. Overall height, bucket @ full height, in (mm)	70.1	(1780)	71.9	(1827)	67.5	(1715)	69.7	(1770)
L. Hinge pin height, fully raised, in (mm)	201	(5106)	201	(5106)	201.3	(5112)	201.3	(5112)
M. Overall length, bucket on ground, in (mm)	156.9	(3986)	156.9	(3986)	156.9	(3986)	156.9	(3986)
N. Overall length, bucket on ground, in (mm)	282.5	(7175)	288.3	(7322)	273.7	(6952)	279.5	(7100)
O. Clearance circle, bucket @ carry, in (mm)	448	(11,378)	453.9	(11,529)	443.3	(11,263)	447.8	(11,375)
Hydraulic lifting capacity @ full height, lb (kg)	10,652	(4832)	10,549	(4785)	10,512	(4768)	10,138	(4599)
Hydraulic lifting capacity @ max. reach, lb (kg)	14,308	(6490)	14,203	(6443)	14,125	(6407)	13,745	(6235)
Hydraulic lifting capacity @ ground level, lb (kg)	18,008	(8168)	17,927	(8131)	18,148	(8232)	17,750	(8051)
Max. dump angle @ full height	51°		51°		51°		51°	
Max.rollback @ full height	55°		55°		55°		55°	
Max rollback @ max reach	52°		52°		52°		52°	
P. Max. rollback @ carry	42°		42°		42°		42°	
Max.rollback @ ground	40°		40°		39°		39°	
P. Digging depth, in (mm)	5	(127)	5.4	(137)	3.9	(100)	4.3	(110)
Operating weight, lb (kg)	24,177	(10,966)	24,280	(11,013)	24,458	(11,094)	24,833	(11,264)

W130B Specifications

DIMENSIONS



A. Height to top of cab, in (mm)	133.7 (3395)
B. Height to top of exhaust, in (mm)	114.5 (2908)
C. Height to drawbar, in (mm)	42.6 (1081)
D. Wheelbase, in (mm)	114.2 (2900)
E. Rear departure angle	27°
Turning radius-outside of tires, in (mm)	206.5 (5245)
F. Ground clearance, in (mm)	14.6 (370)
G. Tread width, in (mm)	76.8 (1950)
H. Width over tires, in (mm)	99.3 (2523)

ENGINE

Make & model	FPT 667TA/EDB
Cylinders	6
Displacement, cu in (l)	409 (6.7)
Bore X stroke, in (mm)	4.11 (104) x 5.20 (132)
Power	
Standard	
Rated Gross (per SAE J1995)	149 hp (111 kW) @ 2000 RPM
Peak Gross (per SAE J1995).....	156 hp (116 kW) @ 1800 RPM
Rated Net (per SAEJ1349)	138 hp (103 kW) @ 2000 RPM
Peak Net (per SAE J1349)	146 hp (109 kW) @ 1800 RPM
Boosted Power	
Rated Gross (per SAE J1995)	162 hp (121 kW) @ 2000 RPM
Peak Gross (per SAE J1995).....	172 hp (128 kW) @ 1800 RPM
Rated Net (per SAE J1349).....	151 hp (113 kW) @ 2000 RPM
Peak Net (per SAE J1349)	162 hp (121 kW) @ 1800 RPM

Power (continued)

Economy	
Rated Gross (per SAE J1995)	112 hp (83 kW) @ 2000 RPM
Peak Gross (per SAE J1995).....	133 hp (99 kW) @ 1500 RPM
Rated Net (per SAEJ1349).....	101 hp (75 kW) @ 2000 RPM
Peak Net (per SAE J1349)	125 hp (93 kW) @ 1500 RPM
Torque, Max.	
Standard	
Gross (per SAE J1995)	530 lb-ft (719 N-m) @ 1300 RPM
Net (per SAE J1349).....	508 lb-ft (689 N-m) @ 1000 RPM
Boosted	
Gross (per SAE J1995)	538 lb-ft (730 N-m) @ 1600 RPM
Net (per SAE J1349).....	510 lb-ft (692 N-m) @ 1600 RPM
Economy	
Gross (per SAE J1995)	527 lb-ft (715 N-m) @ 1200 RPM
Net (per SAE J1349).....	508 lb-ft (689 N-m) @ 1200 RPM

SERVICE CAPACITIES

Fuel tank, gal (l).....	65 (246)
Engine oil, qt (l).....	13 (12.3)
Engine oil / filter, qt (l).....	14 (13.2)
Transmission with filter, gal (l).....	5 (18.9)
Cooling system, qt (l)	38 (36)
Hydraulic reservoir, gal (l)r.....	24 (90.8)
Hydraulic system, gal (l).....	39 (147.6)
Axles (total), each, qt (l)	23.2 (22)

HYDRAULIC CYLINDERS

Lift cylinders, bore x stroke x rod, in (mm)	4.75 (120.6) x 31.0 (787.6) x 2.5 (63.5)
Dump cylinder, bore x stroke x rod, in (mm).....	5.0 (127.0) x 24.4 (619.7) x 3.0 (76.2)
Steering cylinders, bore x stroke x rod, in (mm)	3.0 (76.2) x 18.0 (481.9) x 1.75 (44.4)

TRANSMISSION

Travel speeds with 17.5x25 L2/L3 tires		
	Forward	Reverse
Gear 1, mph (km/h).....	4.3 (6.9)	4.5 (7.3)
Gear 2, mph (km/h).....	8.4 (13.5)	8.8 (14.2)
Gear 3, mph (km/h).....	14.9 (23.9)	15.6 (25.0)
Gear 4, mph (km/h).....	24.0 (38.6)	

HYDRAULIC SYSTEMS/STEERING

Hydraulic cycle times	
Raise-loaded	6.3 sec.
Dump-loaded.....	1.3 sec.
Lower-empty, power down	4.7 sec.
Lower-empty, float down	4.6 sec.

W130B Specifications

PERFORMANCE DATA: PIN ON BUCKETS (see diagram previous page)

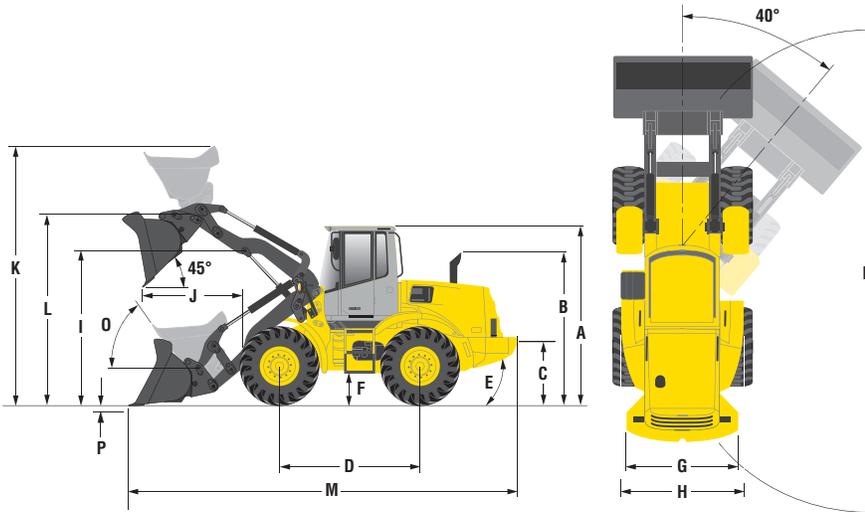
KEY	Bucket Type/Size									
	General Purpose w/ Bolt-on Edge		General Purpose w/ Teeth and Segments		General Purpose w/ Bolt-on Edge		General Purpose w/ Teeth and Segments		Stockpiling w/ Bolt-on Edge	
Capacity, heaped (SAE), cu yd (m ³)	2.56	(1.96)	2.56	(1.96)	2.75	(2.10)	2.75	(2.10)	3.0	(2.29)
Capacity, struck (SAE), cu yd (m ³)	2.17	(1.66)	2.17	(1.66)	2.32	(1.77)	2.32	(1.77)	2.56	(1.96)
Bucket width, in (mm)	102.4	(2602)	102.4	(2602)	102.4	(2602)	102.4	(2602)	102.4	(2602)
Bucket weight, lb (kg)	1,792	(813)	1,859	(843)	1,856	(842)	1,923	(872)	1,951	(885)
Breakout force, lb (kg)	26,577	(12,055)	26,513	(12,026)	24,827	(11,261)	24,762	(11,232)	23,249	(10,546)
Tipping load, straight, lb (kg)	23,376	(10,603)	23,289	(10,564)	23,098	(10,477)	23,009	(10,437)	22,795	(10,339)
Tipping load @ 40 degree full turn, lb (kg)	20,379	(9244)	20,292	(9204)	20,126	(9129)	20,037	(9089)	19,836	(8998)
I. Dump clearance, 45° dump angle-full height, in (mm)	114	(2895)	110.2	(2799)	112	(2,845)	108.2	(2749)	110.3	(2801)
J. Reach, 45° dump angle, full height, in (mm) Reach, 45° dump angle, 7-ft. (2.13 m) height, in (mm)	36.2	(919)	40.2	(1021)	38.1	(969)	42.2	(1071)	39.9	(1013)
K. Overall height, bucket @ full height, in (mm)	194	(4927)	194	(4927)	195.1	(4955)	195.1	(4955)	198.1	5,032)
L. Hinge pin height, fully raised, in (mm)	150.8	(3830)	150.8	(3830)	150.8	(3830)	150.8	(3830)	150.8	(3830)
M. Overall length, bucket on ground, in (mm)	285.1	(7241)	290.8	(7387)	288	(7316)	293.8	(7463)	290.7	(7384)
N. Clearance circle, bucket @ carry, in (mm) Hydraulic lifting capacity @ full height, lb (kg) Hydraulic lifting capacity @ max. reach, lb (kg) Hydraulic lifting capacity @ ground level, lb (kg)	451.4	(11,466)	454.7	(11,550)	453.1	(11,509)	456.5	(11,595)	454.6	(11,548)
Max. dump angle @ full height	55°		55°		55°		55°		55°	
Max.rollback @ full height	55°		55°		55°		55°		55°	
Max rollback @ max reach	53°		53°		53°		53°		53°	
O. Max. rollback @ carry Max.rollback @ ground	44°		44°		44°		44°		44°	
P. Digging depth, in (mm) Operating weight, lb. (kg)	3.0	(75)	3.3	(83)	3.2	(81)	3.5	(89)	3.4	(87)
	27,406	(12,431)	27,474	(12,462)	27,470	(12,460)	27,537	(12,491)	27,565	(12,503)

PERFORMANCE DATA: COUPLER BUCKETS (see diagram previous page)

KEY	Bucket Type/Size							
	NH Coupler & General Purpose w/ Bolt-on Edge		NH Coupler General Purpose w/ Teeth & Segments		ACS Coupler & General Purpose w/ Bolt-on Edge		ACS Coupler General Purpose w/ Teeth & Segments	
Capacity, heaped (SAE), cu yd (m ³)	2.49	(1.90)	2.49	(1.90)	2.50	(1.91)	2.50	(1.91)
Capacity, struck (SAE), cu yd (m ³)	2.12	(1.62)	2.12	(1.62)	2.24	(1.71)	2.24	(1.71)
Bucket width, in (mm)	102.4	(2602)	102.4	(2602)	102.4	(2602)	102.4	(2602)
Bucket weight, lb (kg)	2,513	(1140)	2,616	(1186)	2,900	(1315)	2,959	(1342)
Breakout force, lb (kg)	22,738	(10,314)	22,703	(10,298)	23,552	(10,683)	21,089	(9556)
Tipping load, straight, lb (kg)	21,410	(9712)	21,303	(9663)	21,659	(9825)	21,590	(9793)
Tipping load @ 40 degree full turn, lb (kg)	18,580	(8428)	18,472	(8379)	18,762	(8510)	18,693	(8479)
I. Dump clearance, 45° dump angle-full height, in (mm)	109.3	(2776)	105.4	(2678)	111.2	(2824)	107.9	(2741)
J. Reach, 45° dump angle, full height, in (mm) Reach, 45° dump angle, 7-ft. (2.13 m) height, in (mm)	41.7	(1059)	45.7	(1160)	39.5	(1004)	43.5	(1105)
K. Overall height, bucket @ full height, in (mm)	60.9	(1548)	62.7	(1593)	59.7	(1517)	61.9	(1572)
L. Hinge pin height, fully raised, in (mm)	199.2	(5059)	199.2	(5059)	202.1	(5133)	202.1	(5133)
M. Overall length, bucket on ground, in (mm)	150.7	(3829)	150.7	(3829)	150.7	(3828)	150.7	(3828)
N. Overall length, bucket on ground, in (mm) Clearance circle, bucket @ carry, in (mm) Hydraulic lifting capacity @ full height, lb (kg) Hydraulic lifting capacity @ max. reach, lb (kg) Hydraulic lifting capacity @ ground level, lb (kg)	292.37	(7425)	298.27	(7574)	289.47	(7350)	294.67	(7483)
Max. dump angle @ full height	455.8	(11,577)	459.3	(11,667)	453.8	(11,526)	456.8	(11,603)
Max.rollback @ full height	16,281	(7385)	16,178	(7338)	15,946	(7233)	15,887	(7206)
Max rollback @ max reach	22,433	(10,176)	22,330	(10,129)	22,157	(10,050)	22,098	(10,023)
O. Max. rollback @ carry Max.rollback @ ground	20,070	(9103)	20,105	(9120)	21,830	(9902)	21,727	(9855)
Max. dump angle @ full height	55°		55°		55°		55°	
Max.rollback @ full height	55°		55°		55°		55°	
Max rollback @ max reach	52°		52°		53°		53°	
P. Digging depth, in (mm) Operating weight, lb (kg)	43°		43°		44°		44°	
	40°		40°		39°		39°	
	3.0	(76)	3.4	(87)	3.0	(75)	3.0	(75)
	28,127	(12,758)	27,474	(12,462)	28,514	(12,934)	28,573	(12,961)

W130B TC Specifications

DIMENSIONS



A. Height to top of cab, in (mm)	133.7 (3395)
B. Height to top of exhaust, in (mm)	114.5 (2908)
C. Height to drawbar, in (mm)	42.6 (1081)
D. Wheelbase, in (mm)	114.2 (2900)
E. Rear departure angle	27°
Turning radius-outside of tires, in (mm)	206.5 (5245)
F. Ground clearance, in (mm)	14.6 (370)
G. Tread width, in (mm)	76.8 (1950)
H. Width over tires, in (mm)	99.3 (2523)

ENGINE

Make & model	FPT 667TA/EDB
Cylinders	6
Displacement, cu in (l)	409 (6.7)
Bore X stroke, in (mm)	4.11 (104) x 5.20 (132)
Power	
Standard	
Rated Gross (per SAE J1995)	149 hp (111 kW) @ 2000 RPM
Peak Gross (per SAE J1995)	156 hp (116 kW) @ 1800 RPM
Rated Net (per SAE J1349)	138 hp (103 kW) @ 2000 RPM
Peak Net (per SAE J1349)	146 hp (109 kW) @ 1800 RPM
Boosted Power	
Rated Gross (per SAE J1995)	162 hp (121 kW) @ 2000 RPM
Peak Gross (per SAE J1995)	172 hp (128 kW) @ 1800 RPM
Rated Net (per SAE J1349)	151 hp (113 kW) @ 2000 RPM
Peak Net (per SAE J1349)	162 hp (121 kW) @ 1800 RPM

Power (continued)

Economy	
Rated Gross (per SAE J1995)	112 hp (83 kW) @ 2000 RPM
Peak Gross (per SAE J1995)	133 hp (99 kW) @ 1500 RPM
Rated Net (per SAE J1349)	101 hp (75 kW) @ 2000 RPM
Peak Net (per SAE J1349)	125 hp (93 kW) @ 1500 RPM
Torque, Max.	
Standard	
Gross (per SAE J1995)	530 lb-ft (719 N-m) @ 1300 RPM
Net (per SAE J1349)	508 lb-ft (689 N-m) @ 1000 RPM
Boosted	
Gross (per SAE J1995)	538 lb-ft (730 N-m) @ 1600 RPM
Net (per SAE J1349)	510 lb-ft (692 N-m) @ 1600 RPM
Economy	
Gross (per SAE J1995)	527 lb-ft (715 N-m) @ 1200 RPM
Net (per SAE J1349)	508 lb-ft (689 N-m) @ 1200 RPM

SERVICE CAPACITIES

Fuel tank, gal (l)	65 (246)
Engine oil, qt (l)	13 (12.3)
Engine oil / filter, qt (l)	14 (13.2)
Transmission with filter, gal (l)	5 (18.9)
Cooling system, qt (l)	38 (36)
Hydraulic reservoir, gal (l)	24 (90.8)
Hydraulic system, gal (l)	39 (147.6)
Axles (total), each, qt (l)	23.2 (22)

HYDRAULIC CYLINDERS

Lift Cylinders, bore x stroke x rod, in (mm)	4.75 (120.6) x 31.0 (787.6) x 2.5 (63.5)
Dump Cylinder, bore x stroke x rod, in (mm)	4.5 (114.3) x 32.6 (820.0) x 2.5 (63.5)
Steering Cylinders, bore x stroke x rod, in (mm)	3.0 (76.2) x 18.0 (481.9) x 1.75 (44.4)

TRANSMISSION

Travel speeds with 17.5x25 L2/L3 tires		
	Forward	Reverse
Gear 1, mph (km/h)	4.3 (6.9)	4.5 (7.3)
Gear 2, mph (km/h)	8.4 (13.5)	8.8 (14.2)
Gear 3, mph (km/h)	14.9 (23.9)	15.6 (25.0)
Gear 4, mph (km/h)	24.0 (38.6)	

HYDRAULIC SYSTEMS/STEERING

Hydraulic cycle times	
Raise-loaded	6.3 sec.
Dump-loaded	1.7 sec.
Lower-empty, power down	4.1 sec.
Lower-empty, float down	3.9 sec.

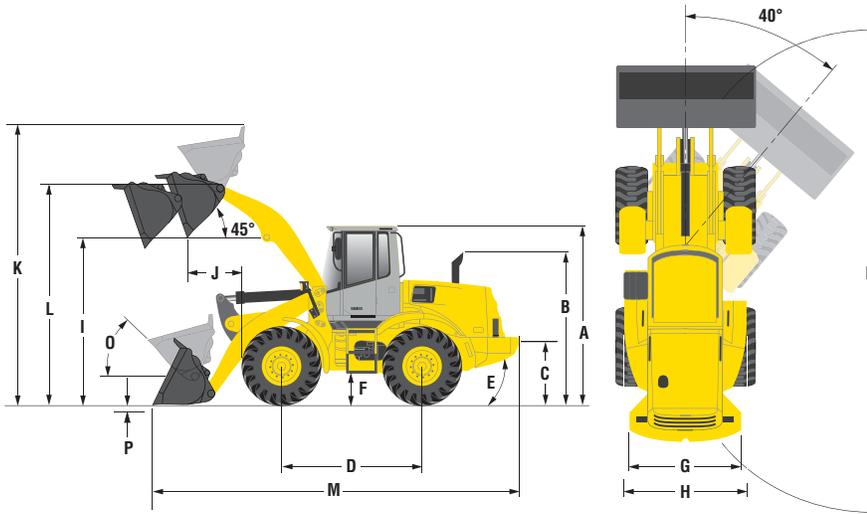
W130B TC Specifications

PERFORMANCE DATA: COUPLER BUCKETS (see diagram previous page)

KEY	Bucket Type/Size							
	ACS General Purpose w/ Bolt-on Edge		ACS 4-in-1 w/ Bolt-on Edge		NH General Purpose w/ Bolt-on Edge		NH General Purpose w/ Teeth	
Capacity, heaped (SAE), cu yd (m ³)	2.66	(2.03)	2.25	(1.72)	2.49	(1.90)	2.49	(1.90)
Capacity, struck (SAE), cu yd (m ³)	2.29	(1.75)	1.81	(1.38)	2.12	(1.62)	2.12	(1.62)
Bucket width, in (mm)	102.4	(2601)	102.4	(2601)	102.4	(2602)	102.4	(2602)
Bucket weight, lb (kg)	3,125	(1417)	3,793	(1720)	2,531	(1148)	2,634	(1195)
Breakout force, lb (kg)	26,756	(12,137)	27,822	(12,620)	23,531	(10,674)	21,376	(9696)
Tipping load, straight, lb (kg)	19,690	(8931)	18,655	(8462)	19,068	(8649)	18,945	(8593)
Tipping load @ 40 degree full turn, lb (kg)	17,024	(7722)	16,042	(7277)	16,534	(7500)	16,411	(7444)
I. Dump clearance, 45° dump angle-full height, in (mm)	113.1	(2872)	112.4	(2855)	108.7	(2761)	104.9	(2663)
J. Reach, 45° dump angle, full height, in (mm) Reach, 45° dump angle, 7-ft. (2.13 m) height, in (mm)	44.9	(1141)	41.2	(1047)	50.2	(1275)	54.1	(1375)
K. Overall height, bucket @ full height, in (mm)	66.6	(1692)	62.6	(1589)	69.5	(1766)	71.2	(1809)
L. Hinge pin height, fully raised, in (mm)	210.5	(5347)	205.2	(5213)	210.7	(5353)	210.7	(5353)
M. Overall length, bucket on ground, in (mm)	155.8	(3956)	155.7	(3955)	155.8	(3957)	155.8	(3957)
N. Clearance circle, bucket @ carry, in (mm)	294	(7468)	294.2	(7743)	300.8	(7641)	306.7	(7791)
Hydraulic lifting capacity @ full height, lb (kg)	450.3	(11,438)	451.1	(11,459)	453.1	(11,508)	455.7	(11,574)
Hydraulic lifting capacity @ max. reach, lb (kg)	14,790	(6709)	13,432	(6093)	14,899	(6758)	14,786	(6707)
Hydraulic lifting capacity @ ground level, lb (kg)	20,251	(9186)	19,553	(8869)	20,650	(9367)	20,545	(9319)
Max. dump angle @ full height	31,516	(14,295)	32,668	(14,818)	33,099	(15,013)	32,921	(14,933)
Max.rollback @ full height	55°		55°		55°		55°	
Max.rollback @ max reach	59°		59°		59°		59°	
O. Max. rollback @ carry	54°		54°		54°		54°	
Max.rollback @ ground	58°		58°		58°		58°	
P. Digging depth, in (mm)	57°		59°		57°		58°	
Operating weight, lb (kg)	2.6	(65)	5.5	(139)	2.5	(65)	3.0	(75)
	28,709	(13,022)	29,377	(13,325)	28,115	(12,753)	28,218	(12,800)

W130B LR Specifications

DIMENSIONS



A. Height to top of cab, in (mm)	133.7 (3395)
B. Height to top of exhaust, in (mm)	114.5 (2908)
C. Height to drawbar, in (mm)	42.6 (1081)
D. Wheelbase, in (mm)	114.2 (2900)
E. Rear departure angle	27°
Turning radius-outside of tires, in (mm)	206.5 (5245)
F. Ground clearance, in (mm)	14.6 (370)
G. Tread width, in (mm)	76.8 (1950)
H. Width over tires, in (mm)	99.3 (2523)

ENGINE

Make & model	FPT 667TA/EDB
Cylinders	6
Displacement, cu in (l)	409 (6.7)
Bore X stroke, in (mm)	4.11 (104) x 5.20 (132)
Power	
Standard	
Rated Gross (per SAE J1995)	149 hp (111 kW) @ 2000 RPM
Peak Gross (per SAE J1995).....	156 hp (116 kW) @ 1800 RPM
Rated Net (per SAEJ1349)	138 hp (103 kW) @ 2000 RPM
Peak Net (per SAE J1349)	146 hp (109 kW) @ 1800 RPM
Boosted Power	
Rated Gross (per SAE J1995)	162 hp (121 kW) @ 2000 RPM
Peak Gross (per SAE J1995).....	172 hp (128 kW) @ 1800 RPM
Rated Net (per SAE J1349)	151 hp (113 kW) @ 2000 RPM
Peak Net (per SAE J1349)	162 hp (121 kW) @ 1800 RPM

Power (continued)

Economy	
Rated Gross (per SAE J1995)	112 hp (83 kW) @ 2000 RPM
Peak Gross (per SAE J1995).....	133 hp (99 kW) @ 1500 RPM
Rated Net (per SAEJ1349)	101 hp (75 kW) @ 2000 RPM
Peak Net (per SAE J1349)	125 hp (93 kW) @ 1500 RPM
Torque, Max.	
Standard	
Gross (per SAE J1995)	530 lb-ft (719 N-m) @ 1300 RPM
Net (per SAE J1349).....	508 lb-ft (689 N-m) @ 1000 RPM
Boosted	
Gross (per SAE J1995)	538 lb-ft (730 N-m) @ 1600 RPM
Net (per SAE J1349).....	510 lb-ft (692 N-m) @ 1600 RPM
Economy	
Gross (per SAE J1995)	527 lb-ft (715 N-m) @ 1200 RPM
Net (per SAE J1349).....	508 lb-ft (689 N-m) @ 1200 RPM

SERVICE CAPACITIES

Fuel tank, gal (l).....	65 (246)
Engine oil, qt (l).....	13 (12.3)
Engine oil / filter, qt (l).....	14 (13.2)
Transmission with filter, gal (l).....	5 (18.9)
Cooling system, qt (l)	38 (36)
Hydraulic reservoir, gal (l)	24 (90.8)
Hydraulic system, gal (l).....	39 (147.6)
Axles (total), each, qt (l)	23.2 (22)

TRANSMISSION

Travel speeds with 17.5x25 L2/L3 tires		
	Forward	Reverse
Gear 1, mph (km/h).....	4.3 (6.9)	4.5 (7.3)
Gear 2, mph (km/h).....	8.4 (13.5)	8.8 (14.2)
Gear 3, mph (km/h).....	14.9 (23.9)	15.6 (25.0)
Gear 4, mph (km/h).....	24.0 (38.6)	

HYDRAULIC CYLINDERS

Lift Cylinders, bore x stroke x rod, in (mm).....	4.75 (120.6) x 31.0 (787.6) x 2.5 (63.5)
Dump Cylinder, bore x stroke x rod, in (mm)	5.0 (127.0) x 24.4 (619.7) x 3.0 (76.2)
Steering Cylinders, bore x stroke x rod, in (mm)	3.0 (76.2) x 18.0 (481.9) x 1.75 (44.4)

HYDRAULIC SYSTEMS/STEERING

Hydraulic cycle times	
Raise-loaded	6.3 sec.
Dump-loaded.....	1.3 sec.
Lower-empty, power down	4.7 sec.
Lower-empty, float down	4.6 sec.

W130B LR Specifications

PERFORMANCE DATA: PIN ON BUCKETS (see diagram previous page)

KEY	Bucket Type/Size									
	General Purpose w/ Bolt-on Edge		General Purpose w/ Teeth and Segments		General Purpose w/ Bolt-on Edge		General Purpose w/ Teeth and Segments		Stockpiling w/ Bolt-on Edge	
Capacity, heaped (SAE), cu yd (m ³)	2.56	(1.96)	2.56	(1.96)	2.75	(2.10)	2.75	(2.10)	3.0	(2.29)
Capacity, struck (SAE), cu yd (m ³)	2.17	(1.66)	2.17	(1.66)	2.32	(1.77)	2.32	(1.77)	2.56	(1.96)
Bucket width, in (mm)	102.4	(2602)	102.4	(2602)	102.4	(2602)	102.4	(2602)	102.4	(2602)
Bucket weight, lb (kg)	1,792	(813)	1,859	(843)	1,856	(842)	1,923	(872)	1,951	(885)
Breakout force, lb (kg)	27,375	(12,417)	27,287	(12,377)	25,557	(11,593)	25,470	(11,533)	23,926	(10,853)
Tipping load, straight, lb (kg)	19,374	(8788)	19,289	(8749)	19,158	(8690)	19,072	(8651)	18,906	(8576)
Tipping load @ 40 degree full turn, lb (kg)	16,810	(7625)	16,725	(7586)	16,612	(7535)	16,526	(7496)	16,369	(7425)
I. Dump clearance, 45° dump angle-full height, in (mm)	130.3	(3308)	126.5	(3212)	128.3	(3259)	124.5	(3162)	126.5	(3214)
J. Reach, 45° dump angle, full height, in (mm) Reach, 45° dump angle, 7-ft. (2.13 m) height, in (mm)	36.8	(934)	40.8	(1036)	38.7	(984)	42.8	(1086)	40.5	(1029)
K. Overall height, bucket @ full height, in (mm)	210.3	(5340)	210.3	(5340)	211.3	(5368)	211.3	(5368)	214.4	(5445)
L. Hinge pin height, fully raised, in (mm)	167.1	(4243)	167.1	(4243)	167.1	(4243)	167.1	(4243)	167	(4243)
M. Overall length, bucket on ground, in (mm)	301.2	(7651)	306.9	(7796)	304.1	(7725)	309.9	(7871)	306.8	(7792)
N. Clearance circle, bucket @ carry, in (mm) Hydraulic lifting capacity @ full height, lb (kg) Hydraulic lifting capacity @ max. reach, lb (kg) Hydraulic lifting capacity @ ground level, lb (kg) Max. dump angle @ full height Max.rollback @ full height Max rollback @ max reach	466	(11,838)	469.8	(11,932)	468	(11,886)	471.1	(11,982)	469.7	(11,930)
	16,667	(7560)	16,600	(7530)	16,605	(7532)	16,539	(7502)	16,513	(7490)
	20,757	(9415)	20,687	(9384)	20,671	(9376)	20,601	(9344)	20,554	(9323)
	24,764	(11,233)	24,693	(11,200)	24,522	(11,137)	24,483	(11,105)	24,297	(11,021)
	50°		50°		50°		50°		50°	
	59°		59°		59°		59°		59°	
	55°		55°		55°		55°		55°	
O. Max. rollback @ carry Max.rollback @ ground	46°		46°		46°		46°		46°	
	40°		40°		40°		40°		40°	
P. Digging depth, in (mm) Operating weight, lb. (kg)	3.4	(86)	3.7	(94)	3.6	(93)	4	(101)	3.9	(98)
	27,722	(12,575)	27,790	(12,605)	27,786	(12,604)	27,853	(12,634)	27,881	(12,647)

PERFORMANCE DATA: COUPLER BUCKETS (see diagram previous page)

KEY	Bucket Type/Size			
	ACS Coupler & General Purpose w/ Bolt-on Edge		ACS Coupler & General Purpose w/ Teeth & Segments	
Capacity, heaped (SAE), cu yd (m ³)	2.50	(1.91)	2.50	(1.91)
Capacity, struck (SAE), cu yd (m ³)	2.24	(1.71)	2.24	(1.71)
Bucket width, in (mm)	102.4	(2602)	102.4	(2602)
Bucket weight, lb (kg)	2,900	(1315)	2,959	(1342)
Breakout force, lb (kg)	24,267	(11,007)	21,731	(9857)
Tipping load, straight, lb (kg)	17,872	(8107)	17,804	(8076)
Tipping load @ 40 degree full turn, lb (kg)	15,379	(6976)	15,311	(6945)
I. Dump clearance, 45° dump angle-full height, in (mm)	127.5	(3237)	124.1	(3237)
J. Reach, 45° dump angle, full height, in (mm) Reach, 45° dump angle, 7-ft. (2.13 m) height, in (mm)	40.1	(1019)	44.1	(1019)
	73.8	(1874)	76.2	(1874)
K. Overall height, bucket @ full height, in (mm)	218.3	(5546)	218.3	(5546)
L. Hinge pin height, fully raised, in (mm)	167.0	(4242)	167.0	(4242)
M. Overall length, bucket on ground, in (mm)	305.5	(7760)	310.7	(7760)
N. Clearance circle, bucket @ carry, in (mm) Hydraulic lifting capacity @ full height, lb (kg) Hydraulic lifting capacity @ max. reach, lb (kg) Hydraulic lifting capacity @ ground level, lb (kg) Max. dump angle @ full height Max.rollback @ full height Max rollback @ max reach	468.7	(11,906)	472.1	(11,991)
	15,564	(7060)	15,505	(7033)
	19,589	(8885)	19,529	(8858)
	23,148	(10,500)	23,085	(10,471)
	55°		55°	
	55°		55°	
	52°		52°	
O. Max. rollback @ carry Max.rollback @ ground	43°		43°	
	40°		40°	
P. Digging depth, in (mm) Operating weight, lb (kg)	3.4	(87)	3.4	(87)
	28,830	(13,077)	28,889	(13,104)

W110B W110B TC W110B LR

Base & Optional Equipment

BASE EQUIPMENT

ENGINE

FPT 445TA/EGE 4-cylinder turbo diesel
EPA off-road certified, Tier III
Displacement: 275 cu in (4.5 l)
Horsepower (kilowatts):
Gross 118 hp (88 kW) @ 2000 rpm
Boost - 143 hp (106 kW) peak
Net 106 hp (79 kW) @ 2000 rpm
Boost - 143 hp (106 kW) peak
Air-to-air after cooler
Anti-freeze solution -34°F (-37°C)
Fuel tank: 50 gal U.S. (189 l)
Air cleaner - 2 stage with radial seal elements
Hydraulically driven suction fan with guard
Advanced Cooling System (ACS)

DRIVE TRAIN

AXLES & TIRES
Limited slip differentials - front and rear
Maintenance free driveshafts and axle dipsticks
17.5 x 25 12P bias ply tires, 1 pc rim

TRANSMISSION

Speeds: 4F-3R
Computer controlled, full-power, proportional shifting
Single lever electronic shift control
FNR shuttle shift
Programmable gear selection
Selectable fully-automatic and manual modes
Electronic transmission disconnect
On-board diagnostics with fault code storage and retrieval
Single, vertically mounted, spin-on oil filter
Oil cooler

HYDRAULICS

Pilot-operated control
Pressure compensated, load sensing hydraulics
Flow amplified, wide-angle steering system
Vertically mounted, spin-on oil filter
Hydraulic diagnostic quick couplers
O-ring face seal hydraulic fittings
Full-flow oil cooler
Steering steering system

LOADER SYSTEM

(W110B & W110B LR)
Automatic return-to-dig, automatic height control, and automatic return-to-travel
Position indicator on bucket
Single lever / two spool loader control
Z-bar loader linkage
Single piece, flame cut, loader arms
Ground level lubrication points

LOADER SYSTEM (W110B TC)

Automatic return-to-dig, automatic height control, and automatic return-to-travel
Position indicator on bucket

Single lever / two spool loader control
Parallel lift loader arms
Single piece, flame cut loader arms
Ground level lubrication points

BRAKES

4-Wheel, outboard mounted, wet disc hydraulic brakes
Parking brake; switch actuated, spring applied hydraulic release
Separate front and rear brake systems

ELECTRICAL SYSTEM

24-volt system
Two heavy duty 12V 700 cold cranking amp (CCA) batteries
Halogen lights:
2 front and 2 rear work-lights
2 front driving (hi/low beam)
Stop/tail lights and backup lights
Front and rear turn signals and flashers
Alternator: 70 amp
Electrical disconnect switch
Horn
Backup alarm

OPERATOR STATION

ROPS cab with heater and A/C
Inside rearview mirror
Cloth mechanical suspension seat, with 51 mm (2 in) seatbelt
Storage tray, cup holder
Tilt steering wheel with integral steering knob
Fully adjustable wrist rest
Cigar/cigarette lighter-24 volt
Wiring & speaker covers, for radio installation
Multi-function display panel

INSTRUMENTS

Individual gauges for:
1. Engine coolant temp.
2. Fuel level
3. Hour meter
4. Speedometer
5. Trans. oil temp.
Indicator lights for:
1. Air filter restriction
2. Battery charge
3. Brake oil pressure
4. Emergency steering (if equipped)
5. Engine coolant temp.
6. Engine oil pressure
7. Fuel level
8. General alarm
9. High beam
10. Parking break
11. Trans. oil temp.
12. Trans. speed
13. Turn signals

OTHER EQUIPMENT

Articulation and loader lift arm locking bars
Drawbar hitch
Front and rear fenders, left side steps
Remote drain points
Front and rear lift and tie down points

OPTIONAL EQUIPMENT

OPERATOR STATION

ROPS canopy with vinyl suspension seat w/ 3" seat belt
Mechanical suspension seat, cloth covered with 2" seat belt
Air suspension seat, cloth covered with 2" seat belt
Air suspension seat, cloth covered with 3" seat belt
Fire extinguisher
Amber rotating beacon
AM/FM stereo radio 12 volt (includes radio ready accessories)
Radio ready 12 volt

ENGINE

Cold weather package
Muffler, spark arrestor with aspirator
Cooling system with hydraulic cooler & reversing fan

HYDRAULICS

Valve, 2 spool, 2 lever
Valve, 3 spool, 3 lever
Valve, 3 spool, joystick, 1 lever
Load Travel Stabilizer System (LTS)
Standard steering with secondary electric steering

AXLES & TIRES

17.5 R25 L2 traction tread, radial, 3 piece rim
17.5 x 25 L3 rock tread, bias ply, 1 piece rim
17.5 R25 L3 rock tread, radial, 1 piece rim

20.5 x 25 L2 traction tread, bias ply, 3 piece rim
20.5 R25 L2 traction tread, radial, 3 piece rim
20.5 x 25 L3 rock tread, bias ply, 3 piece rim
20.5 R25 L3 rock tread, radial, 3 piece rim

BUCKETS AND ATTACHMENTS (W110B & W110B LR)

Pin-on buckets (see charts on page 11 & 15)
Quick coupler (see bucket on page 11 & 15)
Quick coupler buckets (see charts on page 11 & 15)

BUCKETS AND ATTACHMENTS (W110B TC)

Quick coupler (see charts on page 13)
Quick coupler buckets (see bucket on page 13)

OTHER EQUIPMENT

Standard fenders with LH and RH steps
Wide full coverage fenders with LH & RH steps
Break, right hand
Rear frame articulation joint side covers (transmission guards)
Tool box
Transmission bottom guard (belly pan)

W130B W130B TC W130B LR

Base & Optional Equipment

BASE EQUIPMENT

ENGINE

FPT 667TA/EDB
 EPA off-road certified, Tier III
 Displacement: 409 cu in (6.7 l)
 Horsepower (kilowatts):
 Gross 149 hp (111 kW) @ 2000 rpm
 Boost - 172 hp (128 kW) peak
 Net 138 hp (103 kW) @ 2000 rpm
 Boost - 162 hp (121 kW) peak
 Air-to-Air after cooler
 Anti-freeze solution -34°F (-37°C)
 Fuel tank: 65 gal U.S. (246 l)
 Air cleaner - 2 stage with radial seal elements
 Hydraulically driven suction fan with guard
 Advanced Cooling System (ACS)

DRIVE TRAIN

AXLES & TIRES
 Limited slip differentials - front and rear
 Maintenance free driveshafts and axle dipsticks
 20.5 x 25 12P L2 bias ply, traction tread, 3 pc rim

TRANSMISSION

Speeds: 4F-3R
 Computer controlled, full-power, proportional shifting
 Single lever electronic shift control
 FNR shuttle shift
 Programmable gear selection
 Selectable fully-automatic and manual modes
 Electronic transmission disconnect
 On-board diagnostics with fault code storage and retrieval
 Single, vertically mounted, spin-on oil filter
 Oil cooler

HYDRAULICS

Pilot-operated control
 2-spool valve
 Pressure compensated, load sensing hydraulics
 Flow amplified, wide-angle steering system
 Vertically mounted, spin-on oil filter
 Hydraulic diagnostic quick couplers
 O-ring face seal hydraulic fittings
 Full-flow oil cooler
 Steering steering system

LOADER SYSTEM (W130B)

Automatic return-to-dig, automatic height control, and automatic return-to-travel
 Position indicator on bucket
 Single lever / two spool loader control
 Z-bar loader linkage
 Single piece, flame cut, loader arms
 Ground level lubrication points

LOADER SYSTEM (W130B LR)

Automatic return-to-dig, automatic height control, and automatic return-to-travel
 Position indicator on bucket
 Single lever / two spool loader control
 Long reach loader arm
 Single piece, flame cut, loader arms
 Ground level lubrication points

LOADER SYSTEM (W130B TC)

Automatic return-to-dig, automatic height control, and automatic return-to-travel
 Position indicator on bucket
 Single lever / two spool loader control
 Parallel lift loader arm
 Single piece, flame cut, loader arms
 Ground level lubrication points

BRAKES

4-Wheel, outboard mounted, wet disc hydraulic brakes
 Parking brake, spring applied hydraulic release
 Separate front and rear brake systems

ELECTRICAL SYSTEM

24-volt system
 Two heavy duty 12V 700 cold cranking amp (CCA) batteries
 Halogen lights:
 Two front and two rear worklights
 Two front driving (hi/lo beam)
 Stop/tail lights and backup lights
 Front and rear turn signals and flashers
 Alternator: 70 amp
 Electrical disconnect switch
 Horn
 Backup alarm

OPERATOR STATION

ROPS cab with heater and A/C
 Inside rearview mirror
 Cloth mechanical suspension seat, with 51 mm (2 in) seatbelt
 Storage tray, cup holder
 Tilt steering wheel with integral steering knob
 Fully adjustable wrist rest
 Cigar/cigarette lighter-24 volt
 Wiring & speaker covers for radio installation
 Multi-function display panel

INSTRUMENTS

Individual gauges for:
 1. Engine coolant temp.
 2. Fuel level
 3. Hour meter
 4. Speedometer
 5. Trans. oil temp.
 Indicator lights for:
 1. Air filter restriction
 2. Battery charge
 3. Brake oil pressure
 4. Emergency steering (if equipped)
 5. Engine coolant temp.
 6. Engine oil pressure
 7. Fuel level
 8. General alarm
 9. High beam
 10. Parking break
 11. Trans. oil temp.
 12. Trans. speed
 13. Turn signals

OTHER EQUIPMENT

Articulation and loader lift arm locking bars
 Drawbar hitch
 Front and rear fenders, left side steps
 Remote drain points
 Front and rear lift and tie down points

OPTIONAL EQUIPMENT

OPERATOR STATION

ROPS canopy with vinyl suspension seat with 3" seat belt
 Mechanical suspension seat, cloth covered with 2" seat belt
 Air suspension seat, cloth covered with 2" seat belt
 Air suspension seat, cloth covered with 3" seat belt
 Fire extinguisher
 Amber rotating beacon
 AM/FM stereo radio 12 volt (includes radio ready accessories)
 Radio ready 12 volt

ENGINE

Cold weather package
 Muffler, spark arrestor with aspirator
 Cooling system with hydraulic cooler & reversing fan

HYDRAULICS

Valve, 2 spool, 2 lever
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AXLES & TIRES

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BUCKETS AND ATTACHMENTS (W130B & W130B LR)

Pin-on buckets (see charts on page 11 & 15)
 Quick coupler (see bucket on page 11 & 15)
 Quick coupler buckets (see charts on page 11 & 15)

BUCKETS AND ATTACHMENTS (W130B TC)

Quick coupler (see charts on page 13)
 Quick coupler buckets (see bucket on page 13)

OTHER EQUIPMENT

Standard fenders with LH and RH steps
 Wide full coverage fenders with LH & RH steps
 Break, right hand
 Rear frame articulation joint side covers (transmission guards)
 Tool box
 Transmission bottom guard (belly pan)
 Full-view air pre-cleaner

WHEEL LOADERS

W110B

Horsepower: Net 124 hp (92 kW)

Operating weight: 23,069 lbs (10,464 kg)
with 2.1 yd³ pin-on excavating bucket
with bolt-on edge

Bucket capacity: 2.1 cu ft (1.6 m³)

W110B TC

Horsepower: Net 124 hp (92 kW)

Operating weight: 25,678 lbs (11,648 kg)
with 2.1 yd³ pin-on excavating bucket
with bolt-on edge

Bucket capacity: 2.1 cu ft (1.6 m³)

W110B LR

Horsepower: Net 124 hp (92 kW)

Operating weight: 23,442 lbs (10,633 kg)
with 2.1 yd³ pin-on excavating bucket
with bolt-on edge

Bucket capacity: 2.1 cu ft (1.6 m³)

W130B

Horsepower: Net 151 hp (113 kW)

Operating weight: 27,406 lbs (12,431 kg)
with 2.56 yd³ pin-on excavating bucket
with bolt-on edge

Bucket capacity: 2.56 cu ft (1.96 m³)

W130B TC

Horsepower: Net 151 hp (113 kW)

Operating weight: 28,709 lbs (13,022 kg)
with 2.66 yd³ pin-on excavating bucket
with bolt-on edge

Bucket capacity: 2.66 cu ft (2.03 m³)

W130B LR

Horsepower: Net 151 hp (113 kW)

Operating weight: 27,722 lbs (12,575 kg)
with 2.56 yd³ pin-on excavating bucket
with bolt-on edge

Bucket capacity: 2.56 cu ft (1.96 m³)

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Safety begins with a thorough understanding of the equipment. Always make sure you and your operators read the Operator's Manual before using the equipment. Pay close attention to all safety and operating decals and never operate machinery without all shields, protective devices and structures in place.

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