

Compact Wheel Loaders TW40 - TW65 SERIES 2 - TW80 SERIES 2



Compact Wheel Loaders



HL AV



The Takeuchi design philosophy is centered upon Four Pillars: Performance, Durability, Operator Comfort, and Serviceability.

The engineering focus of Takeuchi is to build machines to the highest standards of quality and performance; machines that incorporate solutions into each and every component and feature.

Takeuchi offers three compact wheel loader models further enhancing our extensive line of compact earthmoving equipment.

Takeuchi compact wheel loaders provide exceptional value and demonstrate an outstanding blend of power and performance. They provide a unique combination of power, precision, durability, comfort and ease of service needed to perform a wide range of tasks quickly, efficiently, and with minimal downtime.

When you invest in Takeuchi, you receive five decades of equipment innovation and know how, the quality assurance of ISO-9001 certification and exceptional support from and industry innovator and leader.

TW40

Operating Weight	7,275 lbs (3,300 kg)
Horsepower	39.4 hp (29.4 Kw)
Rated Operating Capacity	1,708 lbs (775 kg)
Tipping Load (Straight)	3,858 lbs (1,750 kg)
Bucket Breakout Force	4,878 lbs (2,213 kg)

TW65 SERIES 2

Operating Weight	11,354 lbs
Horsepower	73.0 hp (54
Rated Operating Capacity	4,050 lbs (*
Tipping Load (Straight)	9,171 lbs (4
Bucket Breakout Force	11,600 lbs

(5,150 kg) 1 Kw) 1,837 kg) 4,160 kg) (5,262 kg)

TW80 SERIES 2

Operating Weight	12,700 lbs (5,760 kg)
Horsepower	73.0 hp (54 Kw)
Rated Operating Capacity	4,445 lbs (2,016 kg)
Tipping Load (Straight)	10,065 lbs (4,565 kg)
Bucket Breakout Force	13,960 lbs (6,333 kg)

TW40 Compact Wheel Loader



Heavy duty loader arms, oversized pins and selfaligning cylinder bushings deliver excellent performance and durability for maximum uptime.



The raised platform on the TW40 provides excellent visibility around the machine for greater job-site awareness and peace of mind.



The versatile hydraulically operated skid steer style attachment coupler is easily controlled from the operator's seat.



The lockable rear hood provides access to daily inspection points including engine oil dipstick, hydraulic oil sight gauge, air filters and radiator/oil cooler.

< KEY FEATURES >



The operator's platform is spacious and features a 100% inching pedal, engine monitoring system, tilt steering column and suspension seat with adjustable arm rest.







The available cab provides additional protection from the elements and includes: heat, defrost, rear window defrost, wiper/washer (front and rear), and rear view mirrors.









Deluxe Lighting Package

- Front and rear work lights
- Driving lights
- Brake lights
- Directional signals
- Reverse lights
- Hazard flashers



Comfort and Convenience

- Certified ROPS/FOPS structure
- Foldable canopy with sun shade
- Optional enclosed cab with heat
- Suspension seat
- Tilt steering column



Durable Construction

- Wrap-around rear counterweight
- Heavy duty loader frame
- Rigid mount axles
- Heavy duty anchor points
- Self aligning loader bushings and oversized pins



Protection and Peace of Mind

- Two years or 2,000 hours full machine warranty
- Additional comprehensive protection plans available
- Ownership with peace of mind
- Low operation and maintenance costs

SPECIFICATIONS

OPERATING PERFORMANCE

Operating Weight with Bucket, Cab 7,275 lbs (3,300 kg) Tipping Load, Straight 3,858 lbs (1,750 kg) Tipping Load, Full Turn 3,417 lbs (1,550 kg) Rated Operating Capacity, SAE J818* 1,708 lbs (775 kg) **Bucket Breakout Force** 4,878 lbs (2,213 kg) Lift Arm Breakout Force 4,181 lbs (1,896 kg) **Traction Force** 5,620 lbs (2,549 kg) Cycle Time Raise Full Load 4.0 Seconds 3.5 Seconds Lower No Load 1.0 Seconds Dump Full Load *Operating capacity is 50% of full turn tipping load with bucket according to SAE J818

ENGINE

Make / Model Tier Rating Cylinders / Displacement Horsepower Rated Engine Speed Maximum Torque Engine Lubrication Cooling System Fuel Tank Capacity Fuel Consumption (65% of Full Load) Electrical System

DRIVETRAIN

Transmission Type

Axle Type

Traction Aid Parking Brake Service Brakes Steering Articulation Frame Articulation Maximum Travel Speed Low High Perkins / 403D-15T EPA Interim Tier 4 3 / 91 cu in (1.49 L) 39.4 hp (29.4 kW) 2,800 rpm 82.6 ft-lb @ 1,800 rpm (112 Nm) 4.45 gal (5.5 L) 2.1 gal (8.0 L) 18.5 gal (70.0 L) 1.9 gal / hr (7.2 L / hr) 12 volts / 65 amps

Hydrostatic Drive with 100% Hydraulic Inching Pedal Rigid Axles with Outboard Planetary Reduction

45% Differential Lock in Front

Lever Operated Drum Brake Hydrostatic with Hydraulic Drum Brake 40° Left / 40° Right 12° Left / 12° Right

4.0 mph (6.5 km / hr) 12.4 mph (20 km / hr)

HYDRAULIC SYSTEM

Hydraulic Reservoir Capacity Auxiliary Hydraulic Flow System Operating Pressure

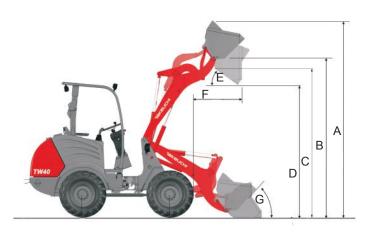
WORKING DIMENSIONS

A. Overall Operating Height
B. Maximum Lift Height to Bucket Pin
C. Bucket Clearance Height
D. Dump Height Fully Raised
E. Maximum Dump Angle Fully Raised
F. Reach Fully Raised
G. Maximum Bucket Rollback at Ground

10.3 gal / min (39.0 L / min) 3,988 psi (27.5 MPa)

7.4 gal (28.0 L)

11 ft 11.6 in (3,648 mm) 9 ft 6.5 in (2,907 mm) 9 ft 0 in (2,745 mm) 7 ft 0.6 in (2,150 mm) 34° 2 ft 8.2 in (817 mm) 51°

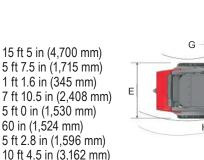


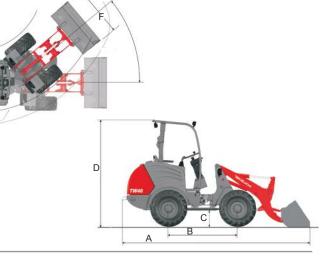
TW40 Compact Wheel Loader

MACHINE DIMENSIONS

- A. Overall Length with Bucket
- B. Wheelbase
- C. Ground Clearance
- D. Overall Height
- E. Overall Width without Bucket
- F. Recommended Bucket Width
- G. Inside Turning Radius
- H. Outside Turning Radius

15 ft 5 in (4,700 mm) 5 ft 7.5 in (1,715 mm) 1 ft 1.6 in (345 mm) 7 ft 10.5 in (2,408 mm) 5 ft 0 in (1,530 mm)





PRODUCT FEATURES

ENGINE

- EPA Interim Tier 4 Compliant
- Turbocharged
- Water Cooled
- Extended Life Coolant
- Dual Element Air Cleaner with Restriction Indicator
- Heavy Duty Radiator, Oil and Hydraulic Oil Coolers

ELECTRICAL

- Electronic Engine Monitoring System Includes High Beam Indicator, Turn Signal Indicators, High Speed Indicator, Directional Lights Fwd / Rev
- 12 volt System with 65 amp Alternator
- Work Lights: Front and Rear
- Engine Preheat
- Back-up Alarm

DRIVETRAIN

- Hydrostatic Drive with 100% Inching Pedal
- 45% Locking Differentials, Front
- Outboard Planetary Drives
- Two-Speed Travel
- Cable Operated Parking Brake
- Hydraulic Drum Service Brake
- Heavy Duty 31 x 15.5 15 Construction **Tire Assembly**

HYDRAULIC

- Priority Steering
- Auxiliary Hydraulic Lines Plumbed to the End of the Loader Arms
- Auxiliary Hydraulic Detent
- Hydraulic System Test Ports
- Hydraulic Oil Level Sight Gauge
- Loader Arm Float

WORKING EQUIPMENT

- Heavy Duty Hydraulic SSL Style Quick Attach Coupler
- Z-Bar Linkage
- Bucket Float Function
- Heavy Duty Self Aligning Loader Bushings with Oversized Pins
- 60" High Capacity with SSL Hitch (0.66 yd³) (optional)
- Bolt-on Tooth Bar for 60" Bucket (optional)
- Bolt-on Reversible Cutting Edge for 60" Bucket (optional)
- Flat Face Hydraulic Coupler Kit (optional)

OPERATOR'S STATION

- Fold Down ROPS / FOPS Guard
- Deluxe Lighting Package for Work, Driving and Signal Lights
- Large Steps and Grab Handles
- Elevated Operator's Station
- Multi-Function Joystick for Machine Direction Fwd / Rev and Loader Controls: Raise, Lower, Curl, Dump
- Enclosed Cab with Heat and Front and Rear Wiper (optional)

TW65 SERIES 2 - TW80 SERIES 2 Compact Wheel Loaders



100% locking differentials can be engaged on the go for greater convenience and improved traction in difficult applications.



Achieve travel speeds up to 25 mph with the available road gear, and maintain load control with the additional ride control.



The standard hydraulic quick coupler provides a heavy duty mount for attachments and is easily controlled from the operator's seat.



Center pin oscillation and steering allow for excellent stability and maneuverability.

< KEY FEATURES >



- 1 Easy access to the side-by-side radiator and dual element air filters with dust extracting pre-cleaner.
- ² The electrical fuses and relays are located inside the operator's compartment for optimal protection and are easily accessed by removing the protective cover.
- 3 Centrally located grease fittings improve serviceability, and the heavy duty articulation joint helps to maximize uptime.
- 4 The rear engine cover opens high overhead providing access to daily inspection points and it is conveniently secured with a single key.



The spacious well-equipped cab features a factory HVAC system, deluxe cloth seat with suspension, tilt steering column, loader control joystick with fingertip direction and attachment control, 100% inching pedal for precise speed control and many other items to help you be more alert, comfortable and productive.

- 1 The Advanced Diagnostic Display (ADS) provides a wide range of operational data and features diagnostics and security capability.
- 2 Standard air suspension seat with seat mounted controls and foldable arm rest delivers excellent comfort. There is also plenty of storage inside the cab.

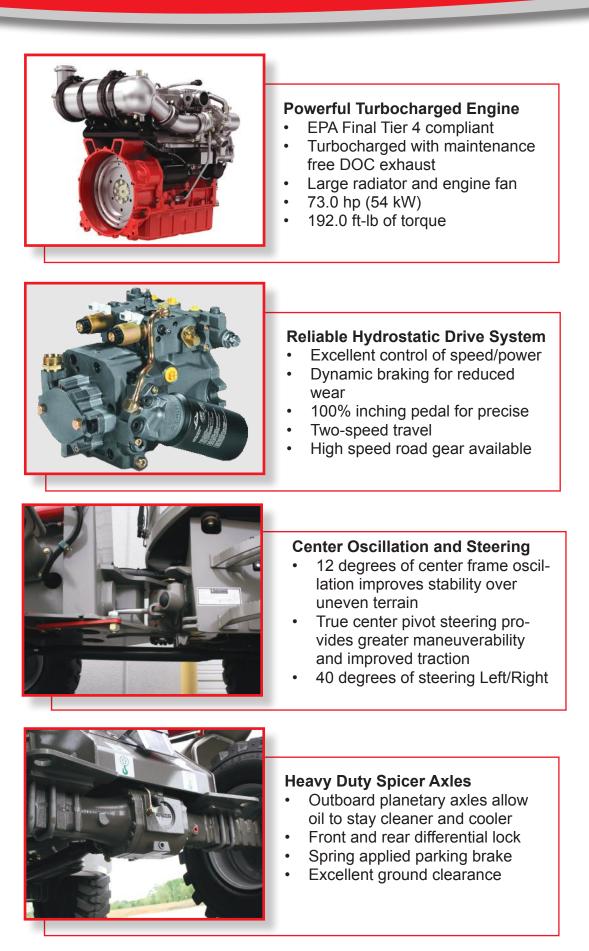








- 3 The large operator's cabin provides excellent visibility around the machine for greater jobsite awareness and maneuverability. The deluxe lighting and mirror package is standard.
- 4 Self-Illuminated rocker switches located on the adjustable control pod are easy to see and operate.





Deluxe Lighting Package

- Front and rear work lights
- Driving lights
- Brake lights

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- Directional signals
- Reverse light
- Large rear view mirrors



ROPS / FOPS Protection

- Rollover protective structure
- Falling object protective structure
- Designed for strength and durability



Spacious Operator's Station

- Outstanding visibility
- Enclosed cab
- Factory air conditioner
- Heat & rear defrost
- Front & rear wiper with washer
- Cup holder & storage areas



Protection and Peace of Mind

- Two years or 2,000 hours full machine warranty
- Additional comprehensive protection plans available
 - Ownership with peace of mind

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Low operation and maintenance costs

SPECIFICATIONS

OPERATING PERFORMANCE

Operating Weight w/ Bucket & Operator 11,354 lbs (5,150 kg) Tipping Load, Straight 9,171 lbs (4,160 kg) Tipping Load, Full Turn 8,100 lbs (3,674 kg) Rated Operating Capacity, SAE J818* 4,050 lbs (1,837 kg) **Bucket Breakout Force** 11,600 lbs (5,262 kg) Lift Arm Breakout Force 10,319 lbs (4,680 kg) Traction Force 9,217 lbs (4,180 kg) Cycle Time Raise Full Load 5.3 Seconds Lower No Load 3.8 Seconds Dump Full Load 1.7 Seconds

*Operating capacity is 50% of full turn tipping load with bucket according to SAE J818

ENGINE

Make / Model Tier Rating Cylinders / Displacement Horsepower Rated Engine Speed Maximum Torque Engine Lubrication Fuel Tank Capacity Fuel Consumption (65% of Full Load) Electrical System

DRIVETRAIN

Transmission Type

Axle Type

Differential Locks

Parking Brake

Service Brakes Steering Articulation Frame Articulation Maximum Travel Speed Low High Optional High Speed Travel Deutz / TD 2.9L Turbo EPA Final Tier 4 4 / 176 cu in (2.9 L) 73 hp (54.0 kW) 2,200 rpm 192 ft-lb @ 1,800 rpm (260 Nm) 11.6 qt (11.0 L) 26.4 gal (100.0 L) 2.6 gal / hr (10.0 L / hr) 12 volts / 95 amps

Hydrostatic Drive with 100% Hydraulic Inching Pedal

Rigid Axles with Outboard Planetary Reduction

100% Differential Lock in Front and Rear Axles Spring Applied Hydraulically Released Multiple Wet Friction Disc

Hydrostatic and Multi Wet Friction Disc 40° Left / 40° Right 12° Left / 12° Right

4.0 mph (6.5 km / hr) 12.4 mph (20 km / hr) 24.8 mph (40 km / hr)

HYDRAULIC SYSTEM

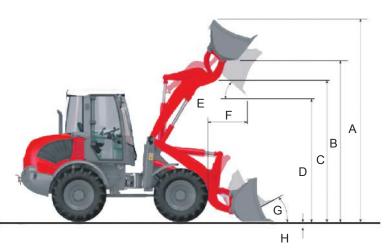
Hydraulic Reservoir Capacity Auxiliary Hydraulic Flow Optional Auxiliary Flow System Operating Pressure

WORKING DIMENSIONS

- A. Overall Operating Height
- B. Maximum Lift Height to Bucket Pin C. Bucket Clearance Height
- D. Dump Height Fully Raised
- D. Dump Height Fully Raised
- E. Maximum Dump Angle Fully Raised
- F. Reach Fully Raised
- G. Maximum Bucket Rollback at Ground
- H. Maximum Cut

12.0 gal (45.0 L) 16.4 gal / min (62.0 L / min) 26.0 gal / min (98.0 L / min) 3,335 psi (23 MPa)

13 ft 0 in (3,960 mm) 10 ft 4.6 in (3,165 mm) 9 ft 2 in (2,800 mm) 8 ft 1 in (2,465 mm) 45° 2 ft 0 in (625 mm) 48° 3.15 in (80 mm)



TW65 SERIES 2 Compact Wheel Loader

MACHINE DIMENSIONS

- A. Overall Length with Bucket
- B. Wheelbase
- C. Ground Clearance
- D. Overall Height
- E. Overall Width without Bucket
- F. Recommended Bucket Width
- G. Inside Turning Radius
- H. Outside Turning Radius
- J. Turning Radius Bucket Edge

PRODUCT FEATURES

ENGINE

- EPA Final Tier 4 Compliant w/ DOC
- Turbocharged
- Water Cooled
- Dual Element Air Cleaner with Restriction Indicator
- High Capacity Radiator

ELECTRICAL

- Electronic Engine Monitoring System
- 12 volt System with 95 amp Alternator
- Work Lights: Front and Rear
- Driving Lights and Turn Signals
- Directional Lights Fwd / Rev
- Engine Preheat
- Back-up Alarm

DRIVETRAIN

- Hydrostatic Drive with 100% Inching Pedal
- 100% Locking Differentials, Front and Rear
- Outboard Planetary Drives
- Two-Speed Travel
- Spring Applied Parking Brake
- Multi Wet Disk Brake
- Heavy Duty Construction Tire Assembly (optional)
- Flotation Tire Assembly (optional)
- High Speed Road Gear with Ride Control (24.8 mph) (optional)

HYDRAULIC

17 ft 3 in (5,250 mm)

6 ft 6.7 in (2,000 mm)

1 ft 5.7 in (450 mm)

8 ft 10 in (2,689 mm)

6 ft 1.5 in (1,870 mm)

5 ft 11 in (1,817 mm)

12 ft 2 in (3,715 mm)

13 ft 8 in (4,164 mm)

71 in (1,803 mm)

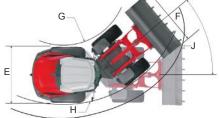
- Precise and Responsive Pilot Controls
- Proportional Slide Switch Located in Loader Joystick for Auxiliary Hydraulic Circuit
- Auxiliary Hydraulic Lines Plumbed to the End of the Loader Arms
- Auxiliary Hydraulic Detent
- Hydraulic Oil Level Sight Gauge
- High Capacity Hydraulic Oil Cooler
- High Flow Auxiliary Hydraulics (26.0 gpm) (optional)

WORKING EQUIPMENT

- Z-Bar Linkage
- Powerful Bucket and Lift Arm Breakout Forces
- Bucket Float Function
- Mechanical Bucket Positioning
- Heavy Duty Hydraulic Bucket Quick Coupler
- Heavy Duty Self Aligning Loader Bushings with Oversized Pins
- 77" Construction Combo Bucket (1.05 yd³) (optional)
- 81.5" GP Combo Bucket (1.30³ yd)
- 82" Bolt-on Blade
- Combo Hitch to Universal SSL Adaptor (optional)
- HD 48" Pallet Forks and Frame (optional)
- Flat Face Hydraulic Coupler Kit (optional)

OPERATOR'S STATION-

- Enclosed Cab Equipped with Air Conditioner, Heat, Front and Rear Wiper, Front and Rear Washer and Rear Window Defrost
- ROPS / FOPS Protection
- 2" Retractable Seat Belt
- Deluxe Air Suspension Seat with Arm Rests
- Elevated Operator's Station
- Large Steps and Grab Handles
- Multi-Function Joystick for Machine Direction Fwd / Rev
- Auxiliary Circuit Thumb Switch and Loader Controls
- 3" Retractable Seat Belt (optional)



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SPECIFICATIONS

OPERATING PERFORMANCE

Operating Weight w/ Bucket & Operator	12,700 lbs (5,760 kg)
Tipping Load, Straight	10,065 lbs (4,565 kg)
Tipping Load, Full Turn	8,890 lbs (4,033 kg)
Rated Operating Capacity, SAE J818*	4,445 lbs (2,016 kg)
Bucket Breakout Force	13,960 lbs (6,333 kg)
Lift Arm Breakout Force	12,387 lbs (5,618 kg)
Traction Force	11,802 lbs (5,354 kg)
Cycle Time	
Raise Full Load	6.0 Seconds
Lower No Load	3.8 Seconds
Dump Full Load	1.2 Seconds

*Operating capacity is 50% of full turn tipping load with bucket according to SAE J818

ENGINE

Make / Model Tier Rating Cylinders / Displacement Horsepower Rated Engine Speed Maximum Torque **Engine Lubrication** Fuel Tank Capacity Fuel Consumption (65% of Full Load) Electrical System

DRIVETRAIN

Transmission Type

Axle Type

Differential Locks

Parking Brake

Service Brakes **Steering Articulation** Frame Articulation Maximum Travel Speed Low High **Optional High Speed Travel**

Deutz / TD2.9L Turbo EPA Final Tier 4 4 / 176 cu in (2.9 L) 73 hp (54 kW) 2,200 rpm 192 ft-lb @ 1,800 rpm (260 Nm) 11.6 qt (11.0 L) 26.4 gal (100.0 L) 2.6 gal / hr (10.0 L / hr) 12 volts / 95 amps

Hydrostatic Drive with 100% Hydraulic Inching Pedal Rigid Axles with Outboard Planetary Reduction 100% Differential Lock in Front and Rear Axle Spring Applied Hydraulically Released **Multiple Wet Friction Disc** Hydrostatic and Multi Wet Friction Disc 40° Left / 40° Right 12° Left / 12° Right

4.0 mph (6.5 km / hr) 12.4 mph (20 km / hr) 24.8 mph (40 km / hr)

HYDRAULIC SYSTEM

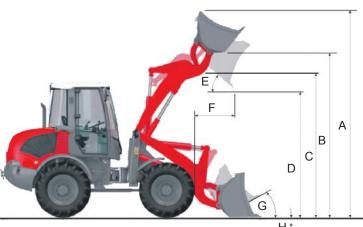
Hydraulic Reservoir Capacity	
Auxiliary Hydraulic Flow	
Optional Auxiliary Flow	
System Operating Pressure	

WORKING DIMENSIONS

A. Overall Operating Height B. Maximum Lift Height to Bucket Pin C. Bucket Clearance Height D. Dump Height Fully Raised E. Maximum Dump Angle Fully Raised F. Reach Fully Raised G. Maximum Bucket Rollback at Ground H. Maximum Cut

14.0 gal (53.0 L) 16.4 gal / min (62.0 L / min) 26.0 gal / min (98.0 L / min) 3,335 psi (23.0 MPa)

13 ft 10 in (4,220 mm) 11 ft 1 in (3,380 mm) 9 ft 11 in (3,025 mm) 8 ft 6 in (2,605 mm) 45° 2 ft 5 in (740 mm) 48° 3.15 in (80 mm)



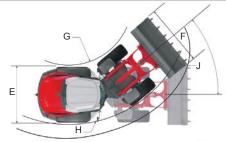
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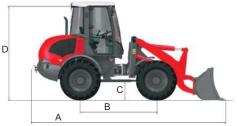
TW80 SERIES 2 Compact Wheel Loader

MACHINE DIMENSIONS

- A. Overall Length with Bucket
- B. Wheelbase
- C. Ground Clearance
- D. Overall Height
- E. Overall Width without Bucket
- F. Recommended Bucket Width
- G. Inside Turning Radius
- H. Outside Turning Radius
- J. Turning Radius Bucket Edge

18 ft 3 in (5,580 mm) 7 ft 2.6 in (2,200 mm) 1 ft 6.5 in (470 mm) 8 ft 11.5 in (2,730 mm) 6 ft 9 in (2,050 mm) 81.5 in (2,070 mm) 6 ft 3 in (1,898 mm) 13 ft 3 in (4,046 mm) 14 ft 8 in (4,478 mm)





PRODUCT FEATURES

ENGINE

- EPA Final Tier 4 Compliant w/ DOC
- Turbocharged
- Water Cooled
- Dual Element Air Cleaner with Restriction Indicator
- High Capacity Radiator

ELECTRICAL

- Electronic Engine Monitoring System
- 12 volt System with 95 amp Alternator
- Work Lights: Front and Rear
- Driving Lights and Turn Signals
- Directional Lights Fwd / Rev
- Engine Preheat
- Back-up Alarm

DRIVETRAIN

- Hydrostatic Drive with 100% Inching Pedal
- 100% Locking Differentials, Front and Rear
- Outboard Planetary Drives
- Two-Speed Travel
- Spring Applied Parking Brake
- Multi Wet Disc Brake
- Heavy Duty Construction Tire Assembly (optional)
- Flotation Tire Assembly (optional)
- High Speed Road Gear w/ Ride Control (24.8 mph) (optional)

HYDRAULIC

- Precise and Responsive Pilot Controls
- Proportional Slide Switch Located in Loader Joystick for Auxiliary Hydraulic Circuit
- Auxiliary Hydraulic Lines Plumbed to the End of the Loader Arms
- Auxiliary Hydraulic Detent
- Hydraulic Oil Level Sight Gauge
- High Capacity Hydraulic Oil Cooler
- High Flow Auxiliary Hydraulics (26.0 gpm) (optional)

WORKING EQUIPMENT

- Z-Bar Linkage
- Bucket Float Function
- Mechanical Bucket Positioning
- Heavy Duty Hydraulic Bucket Quick Coupler
- Heavy Duty Self Aligning Loader Bushings with Oversized Pins
- 81.5" GP Combo Bucket (1.30 yd³) (optional)
- 82" Bolt-on Blade
- Combo Hitch to Universal SSL Adaptor (optional)
- HD 48" Pallet Forks and Frame (optional)
- Flat Face Hydraulic Coupler Kit (optional)

OPERATOR'S STATION

- Enclosed Cab Equipped with Air Conditioner, Heat, Front and Rear Wiper, Front and Rear Washer and Rear Window Defrost
- ROPS / FOPS Protection
- 2" Retractable Seat Belt
- Deluxe Air Suspension Seat with Arm Rests
- Large Steps and Grab Handles
- Elevated Operator's Station
- Multi-Function Joystick for Machine Direction Fwd / Rev, Auxiliary Circuit Thumb Switch and Loader Controls
- 3" Retractable Seat Belt (optional)



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