

TAKEUCHI

Those in the know, know Takeuchi

TW65 SERIES 2 - Wheel Loader

OPERATING PERFORMANCE

| | |
|---|-----------------------|
| Operating Weight | 11,354 lbs (5,150 kg) |
| Standard Machine with Bucket and Operator | |
| 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 | 11,376 lbs (5,160 kg) |
| Lift Arm Breakout Force | 10,119 lbs (4,590 kg) |
| Traction Force | 9,039 lbs (4,100 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 | Deutz / TD 2.9L Turbo |
| Tier Rating | EPA Final Tier 4 |
| Cylinders/Displacement | 4 / 176 cu in (2.9 L) |
| Horsepower | 73 hp (54 kW) |
| Rated Engine Speed | 2,200 rpm |
| Maximum Torque | 192 ft-lb @ 1,800 rpm (260 Nm) |
| Engine Lubrication | 11.6 qt (11 L) |
| Fuel Tank Capacity | 26.4 gal (100 L) |
| Fuel Consumption (65% of Full Load) | 2.6 gal / hr (10 L / hr) |
| Electrical System | 12 volts / 95 amps |

POWER TRAIN

| | |
|----------------------------|--|
| Transmission Type | Hydrostatic Drive with 100% Hydraulic Inching Pedal |
| Axle Type | Rigid Axles with Outboard Planetary Reduction |
| Differential Lock | 100% Differential Lock in Front and Rear Axles |
| Parking Brake | Spring Applied, Hydraulically Released, Multiple Wet Friction Disc |
| Service Brakes | Hydrostatic and Multi Wet Friction Disc |
| Steering Articulation | 40° Left / 40° Right |
| Frame Articulation | 12° Left / 12° Right |
| Maximum Travel Speed | |
| Low Range | 4 mph (6.5 km / hr) |
| High Range | 12.4 mph (20 km / hr) |
| Optional High Speed Travel | 24.8 mph (40 km / hr) |

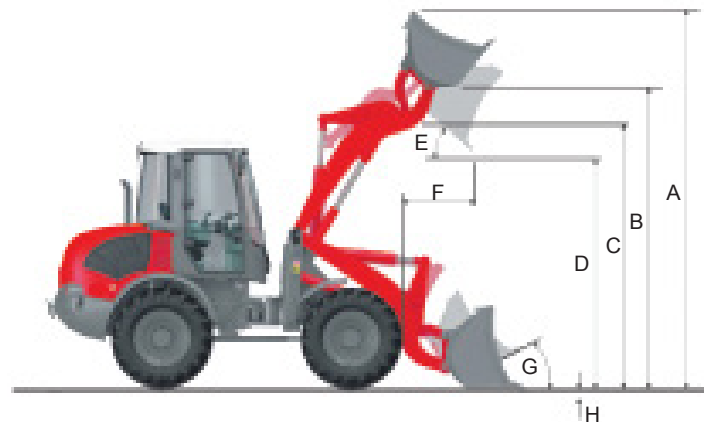
HYDRAULIC

| | |
|------------------------------|-------------------------------|
| Hydraulic Reservoir Capacity | 12.0 gal (45.0 L) |
| Auxiliary Hydraulic Flow | 16.4 gal / min (62.0 L / min) |
| Optional Auxiliary Flow | 26.0 gal / min (98.0 L / min) |
| System Operating Pressure | 3,335 psi (23.0 MPa) |



WORKING DIMENSIONS

| | |
|--------------------------------------|-------------------------|
| A. Overall Operating Height | 13 ft 0 in (3,960 mm) |
| B. Maximum Lift Height to Bucket Pin | 10 ft 4.6 in (3,165 mm) |
| C. Bucket Clearance Height | 9 ft 2 in (2,800 mm) |
| D. Dump Height Fully Raised | 8 ft 1 in (2,465 mm) |
| E. Maximum Dump Angle Fully Raised | 45° |
| F. Reach Fully Raised | 2 ft 0 in (625 mm) |
| G. Maximum Bucket Rollback at Ground | 48° |
| H. Maximum Cut | 3.15 in (80 mm) |



Product Features

ENGINE

- ◆ EPA Final Tier 4 Compliant with DOC
- ◆ Turbocharged
- ◆ Water Cooled
- ◆ Dual Element Air Filter with Restriction Indicator
- ◆ High Capacity Radiator

ELECTRICAL

- ◆ Electronic Engine Monitoring System with Fuel Gauge, High Beam Indicator, Turn Signal Indicators, High Speed Indicator
- ◆ 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

POWER TRAIN

- ◆ 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
- Floatation Tire Assembly
- High Speed Road Gear with Ride Control (24.8 mph)

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)

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
- 77" Construction Combo Bucket (1.05 yd³)
- 81.5" GP Combo Bucket (1.30 yd³)
- 82" Bolt-on Blade
- Combo Hitch to Universal SSL Adaptor
- HD 48" Pallet Forks and Frame
- Flat Face Hydraulic Coupler Kit

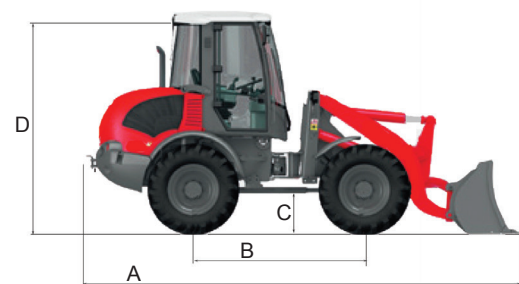
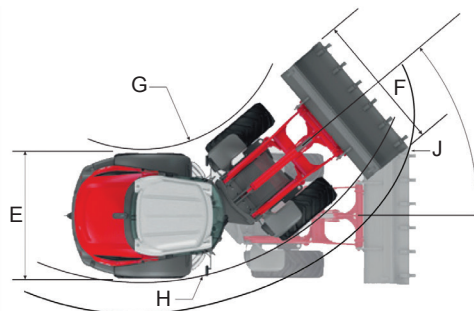
◆ - Standard ○ - Optional

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, Thumb Wheel for Auxiliary Hydraulics and Loader Controls
- 3" Retractable Seat Belt

MACHINE DIMENSIONS

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|---------------------------------|------------------------|
| A. Overall Length with Bucket | 17 ft 3 in (5,250 mm) |
| B. Wheelbase | 6 ft 6.7 in (2,000 mm) |
| C. Ground Clearance | 1 ft 5.7 in (450 mm) |
| D. Overall Height | 8 ft 10 in (2,689 mm) |
| E. Overall Width without Bucket | 6 ft 1.5 in (1,870 mm) |
| F. Recommended Bucket Width | 71 in (1,803 mm) |
| G. Inside Turning Radius | 5 ft 11 in (1,817 mm) |
| H. Outside Turning Radius | 12 ft 2 in (3,715 mm) |
| J. Turning Radius Bucket Edge | 13 ft 8 in (4,164 mm) |



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