



# D50

# SITE DUMPER



ENGINE		TIER 4F
Model:	KOHLER series KDI 1903 TCR	
Type:	Turbo Intercooler	
Displacement, No. cylinders:	1,861cc - 3 inline	
Injection:	Electronic Control w/ Common Rail	
Aftertreatment system:	EGR + DOC	
Cooling:	Air Water, Dry Air Filter	
Maximum Power:	56 hp (42 kW)	
Adj. Power:	56 hp (42 kW) @ 2,600 rpm	
Maximum Torque:	166 lbf.ft (225 Nm) @ 1,500 rpm	
Alternator:	12 V - 55 A	

## 4 X 4 DRIVE

Hydrostatic "automotive" transmission with variable displacement pump and variable displacement hydraulic motor with electro-hydraulic control, and reverse gear control on the steering wheel.

### Speed:

- 4 fwd gears, 4 reverse gears
- I° 0 - 4.4 mph 0 - 4.4 mph
- II° 0 - 14.9 mph 0 - 4.4 mph
- III°
- IV°

Traction / weight ratio: ..... 41%

## AXLES AND WHEELS

Front load-bearing, oscillating ( $\pm 7^\circ$ ) with planetary reduction gears on the wheel hubs.

Rear load-bearing with planetary reduction gears on the wheel hubs.

**Tires:** 12.5 - 18 16PR

## ELECTRIC SYSTEM

### Battery:

Tier 4F 12 V - 70 Ah  
LED road light system, rear working lights.

## EQUIPMENT HYDRAULIC SYSTEM

### Gear Pump:

Max. low rate: ..... 9.51 gal/min  
Max. pressure: ..... 200 bar

2 - elements distributor.

Aluminium heat exchanger for hydraulic oil cooling.

Pressurized closed-circuit intake with oil filter replaceable from the outside.

## CAB

Open cab designed according to ROPS & FOPS Level II criteria, windows on three sides. Optional cab doors.

Sliding window on cabin door.

180° pivoting driving post. Anatomic seat with flexible suspension and height adjustment, seat belts.

Driving and equipment controls with ergonomic arrangement.

LCD display with reverse camera.

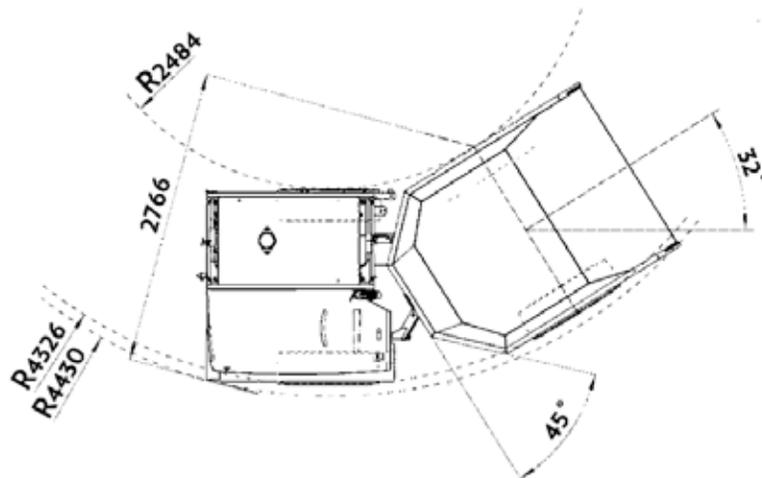
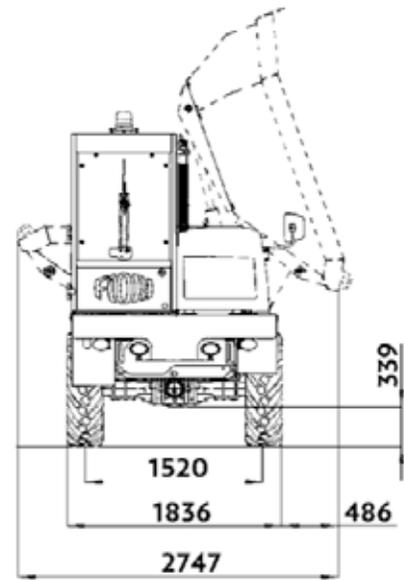
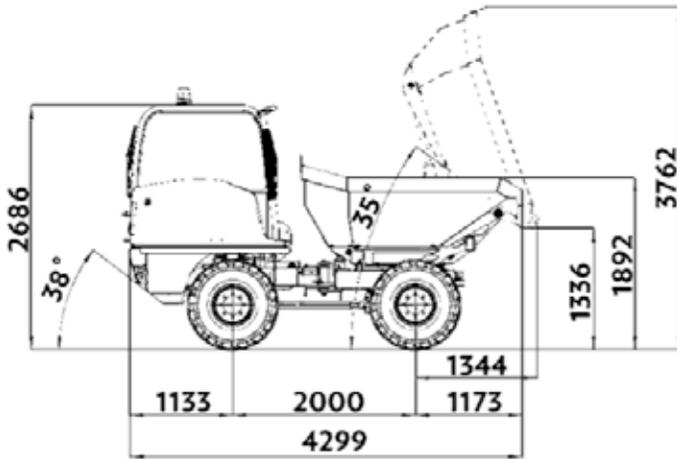
## STEERING

Assisted by means of power steering acting on 2 half-frames by means of two opposed jacks.



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## DUMP BODY

Dump body tilting by means of 1 double-acting jack. Orientation over 180° for trilateral unloading by means of two opposing jacks.

Struck capacity: ..... 2.88 cu yd  
SAE heaped capacity: ..... 3.6 cu yd

## WEIGHTS

Operating weight: ..... 7,716 lb  
Max. gross weight: ..... 18,729 lb  
Load-carrying capacity: ..... 11,023 lb

## BRAKES

Internal oil-bath disc service and emergency brakes acting on the 4 wheels, activation with pump on independent dual circuit.

Negative-type parking brake with internal oil-bath discs on the rear axle and electro-hydraulically controlled release.

## SERVICE REFILL CAPACITIES

Fuel tank: ..... 13.2 gal  
Total hydraulic system capacity: ..... 17.7 gal  
Engine oil: ..... 15.43 lb