



ENGINE	D50	D90SW	D120SW
--------	-----	-------	--------

Model:	KOHLER series KDI 1903 TCR	KOHLER series KDI 2504	KOHLER series KDI 3404 TCRSCR
Type:	Turbo Intercooler	Turbo Intercooler	Turbo Intercooler
Displacement, No. cylinders:	1,861cc - 3 inline	2,482cc - 4 inline	3,400cc - 4 inline
Injection:	Electronic Control w/ Common Rail	Electronic Control w/ Common Rail	Electronic Control w/ Common Rail
Aftertreatment system:	EGR + DOC	EGR + DOC	EGR + DOC + SCR
Cooling:	Air Water, Dry Air Filter	Air Water, Dry Air Filter	Air Water, Dry Air Filter
Maximum Power:	56 hp (42 kW)	74.3 hp (55.4 kW)	122 hp (90 kW)
Adj. Power:	56 hp (42 kW) @ 2,600 rpm	74.3 hp (55.5 kW) @ 2,300 rpm	122 hp (90 kW) @ 2,200 rpm
Maximum Torque:	166 lbf.ft (225 Nm) @ 1,500 rpm	221 lbf.ft (300 Nm) @ 1,500 rpm	368.8 lbf.ft (500 Nm) @ 1,400 rpm
Alternator:	12 V - 55 A	12 V - 80 A	12 V - 90 A

4 X 4 DRIVE	ARTICULATED	4-WHEEL STEERING	4-WHEEL STEERING
-------------	-------------	------------------	------------------

Gears:	4 forward, 4 reverse	4 forward, 2 reverse	4 forward, 4 reverse
Top Speed:	13 mph	16 mph	19 mph
Traction/Weight Ratio:	41%	48%	48%

TIRES			
-------	--	--	--

Tires:	12.5 - 18 16PR	405 - 70-20 16PR	600/50 R22.5
--------	----------------	------------------	--------------

DUMP BODY			
-----------	--	--	--

Struck Capacity:	2.9 cu yd	5.0 cu yd	6.5 cu yd
SAE Heaped Capacity:	3.6 cu yd	6.3 cu yd	8.3 cu yd

WEIGHTS			
---------	--	--	--

Operating Weight:	8,600 lbs	12,500 lbs	13,250 lbs
Max. Gross Weight:	19,600 lbs	32,700 lbs	39,700 lbs
Load-Carrying Capacity:	11,000 lbs	19,900 lbs	26,500 lbs

KEY FEATURES

TRANSMISSION:

Hydrostatic “automotive” transmission with variable displacement pump and variable displacement hydraulic motor with electro-hydraulic control, and reverse gear control on the steering wheel. Electro-hydraulically controlled mechanical gearbox for “working speed” and “road transfer” speed.

AXELS & WHEELS:

Front load-bearing, oscillating ($\pm 6^\circ$) with planetary reduction gears on the wheel hubs. Rear load-bearing and steering with planetary reduction gears on the wheel hubs and directly flanged gearbox.

CAB:

Closed cab with heating system designed according to ROPS & FOPS Level II criteria, windows on three sides. Sliding window on cabin door. 180° pivoting driving post. Anatomic seat with flexible suspension and height adjustment. Driving and equipment controls with ergonomic arrangement. LCD display with reverse camera.

STEERING:

Assisted by means of power steering acting on two half-frames by means of two opposed jacks (D50).

Assisted by means of load-sensing power steering with double displacement on four steering wheels; steering selection device for: 2-wheel steering, 4-wheel steering, and crab steering (D90SW & D120SW).

DUMP BODY:

Dump body tilting by means of one double-acting jack. Orientation over 180° for trilateral unloading by means of two opposing jacks (D50).

Dump body tilting by means of two double-acting jack. Orientation over 180° for trilateral unloading by means of “heavy-duty” ball fifth wheel, with hydraulic rotation and automatic locking by means of negative brake (D90SW & D120SW).



SITE DUMPERS