9 Tonne Front Tip

KEY FEATURES & BENEFITS - MACH594

The Thwaites 9 Tonne Front Tip dumper is designed to deliver maximum productivity on demanding construction and earthmoving projects. Its robust front tipping skip provides a generous payload capacity, while the heavy-duty chassis, permanent four-wheel drive and centre articulation ensure excellent traction, stability, and operator confidence across challenging terrain.

A powerful Perkins turbocharged diesel engine delivering 70 kW and 392 Nm of torque, together with a smooth four-speed powershift transmission, ensures outstanding performance and reliability. The robust articulated chassis with the proven Kinglink system provides excellent stability, traction, and operator confidence across challenging terrain, while permanent four-wheel drive maximises productivity in demanding site conditions.

The Thwaites Perkins Range can perfectly match your needs with the following alternative build options:

- 6T Power Swivel (MACH664)
- 9T Power Swivel (MACH597)

As standard, the machine is equipped with oil-immersed multi-disc brakes on both axles, priority power steering, a hydraulic test point, towing bracket, suspension seat, folding ROPS frame, full road lighting package with mirrors, beacon, and broadband reversing alarm. Durable IP65/IP67-protected electrical systems and excellent ground-level service access help minimise maintenance time and maximise machine uptime.

Safe, compliant and competitive.

Thwaites

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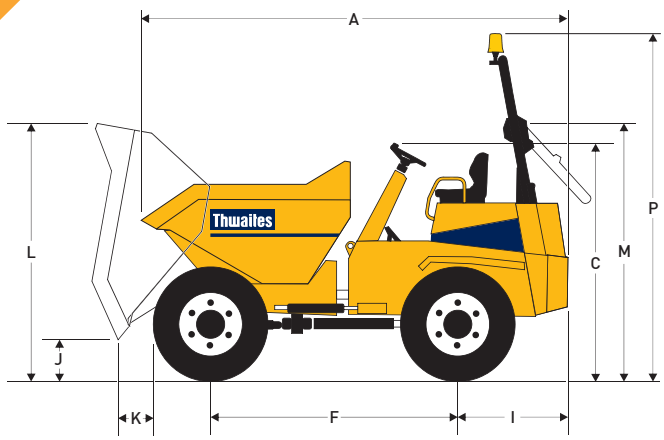
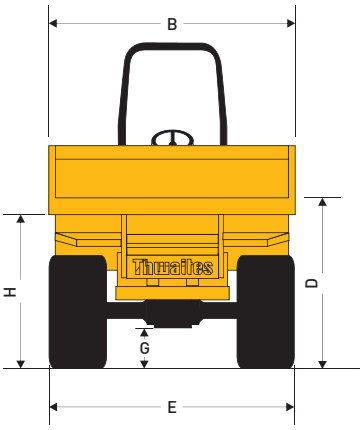
GET THE JOB DONE.

9 Tonne Front Tip

DIMENSIONS & SPECIFICATIONS - MACH594





(mm)

A	4635	**P**	3335
B	2485		
C	2440		
D	1740		
E	2440		
F	2615		
G	447		
H	1975		
I	1220		
J	436		
K	642		
L	2840		
M	2555		

Weight	Unladen	4620 kg
	Shipping	4576 kg
Capacities	Max safe load	9000 kg
	Heaped	4600 litres
	Struck	3830 litres
	Water	2155 litres

Engine

Perkins 1104D series, 70kW/94bhp (gross) at 2200rpm, 4-cylinder turbo-charged water-cooled direct-injection diesel. Max. torque 392 Nm (289 lb ft). Hour meter, battery isolation switch and heavy-duty cyclonic air cleaner positioned within the lockable engine compartment. Tier 3-/Stage IIIA-compliant.

Noise Level

Operator's ear 84 LpA, airborne sound power level 102 LwA (to 2000/14/EC).

Transmission

Torque converter four speed forward and reverse Powershift transmission with changes of speed and forward/reverse direction controlled by one column mounted lever. Heavy duty gear driven transfer box.

Speeds — Forward and Reverse

1	5.3 km/h	(3.3 mph)
2	9.3 km/h	(5.7 mph)
3	17.0 km/h	(10.5 mph)
4	30.1 km/h	(18.7 mph)

Tyres
500/60 x 22.5
Load/Speed Index 149 A8
Track grip tread

Brakes and Axles

Twin-circuit totally enclosed multiplate oil-immersed discs mounted on both axles with automatic adjustment for wear. Hand-operated parking brake. Heavy-duty axles with epicyclic reduction and fully floating halfshafts.

Kinglink Chassis

Front and rear chassis constructed from deep section folded steel plate, with three-point Kinglink giving centre articulation and oscillation for better stability, traction and extra safety on site. Remote greasing point provided for lubrication of top Kinglink articulation pin.

Skip

Hydraulically operated, 6 mm steel base plate, fully welded, mouth and sides of skip reinforced with box sections giving greater strength to minimise skip damage. No material traps. Optional abrasion resistant steel plate (AR400) for skip base, rear and front panel sections.

Seating & Controls

- Adjustable suspension seat, accessible from both sides.
- Audible warning device for handbrake in "on" position.
- Electric horn.
- Large pedal pads with handbrake and hydraulic controls ready to hand.
- Super-bright warning lights for all critical functions.

Service Access

- Lockable three-sided cover opens to provide easy access from ground level to engine service points, all located on the same side.
- Rear chassis panel can be hinged back on retainers.
- Additional service access door incorporates the battery.
- Moulded diesel and hydraulic tanks positioned low in the chassis side members, permitting access to the filler caps from ground level.

Electrics

- Wiring harness contained within conduits and all electrical components water resistant to IP65/67 standards.

Steering and Hydraulics

- Hydraulic priority power steering.
- Filter mounted on the top of the tank accessible from ground level.
- Hydraulic test point fitted as standard.

Tank Capacities	Fuel	70 litres
	Hydraulic	70 litres
Shipping Cube	28.1m^3	
Unladen Weight	4700kg	
Clearance Diameter	14m	
Towing Bracket	Standard	

ROPS

For the UK and other markets where it is a legal requirement, a folding ROPS frame hinged is fitted as standard.

Standard Equipment

- Beacon
- Full road lighting equipment
- Mirrors
- Reverse alarm

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Images are representative, but specific details or equipment may vary by country.
We reserve the right to change any and all specifications without prior notice. **10/2026**