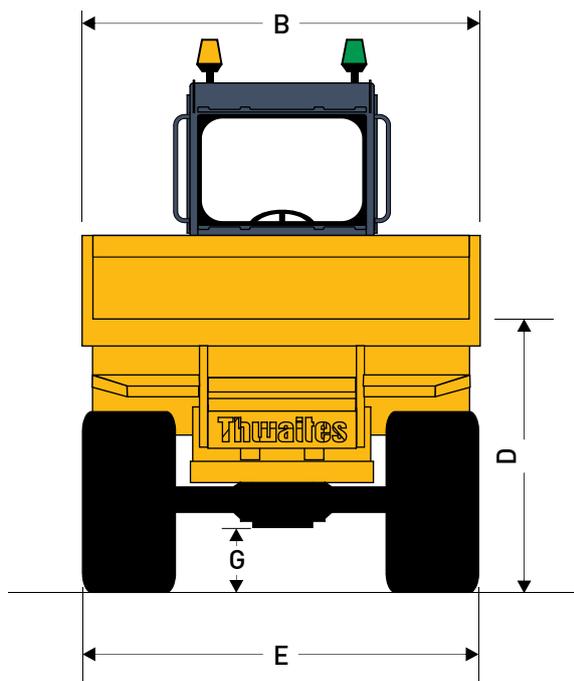
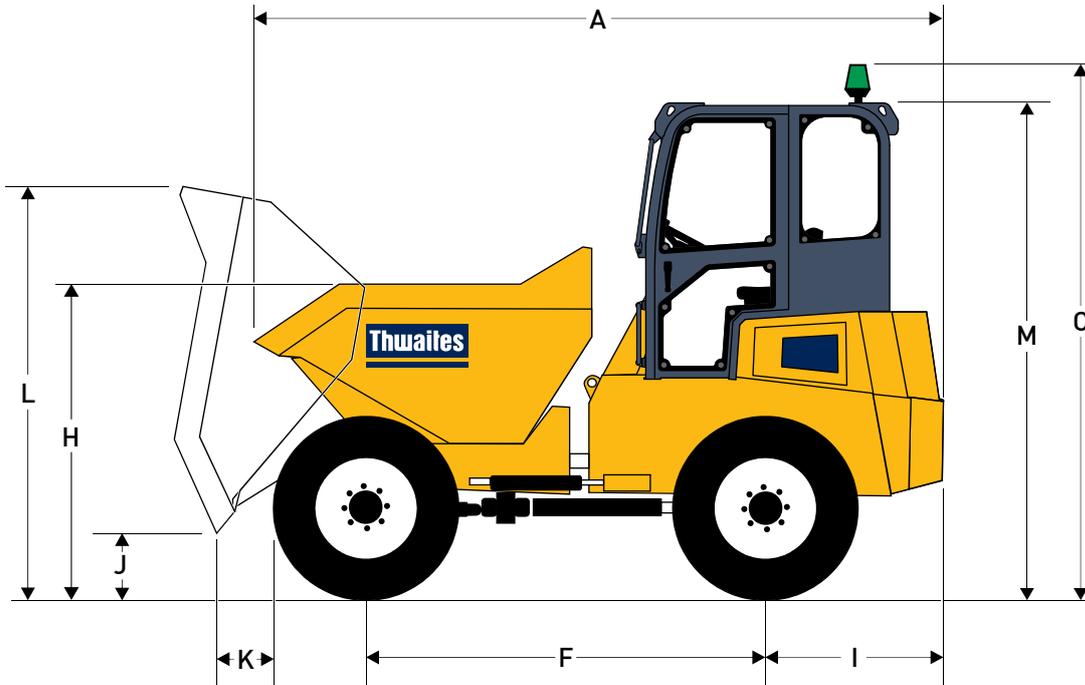


► SPECIFICATIONS

9 Tonne Front Tip with Cab

MACH2190



Dimensions
(mm)

A	4670
B	2485
C	3588
D	1740
E	2444
F	2615
G	447
H	1975
I	1255
J	436
K	642
L	2840
M	3285

SPECIFICATIONS

9 Tonne Front Tip with Cab

MACH2190

Capacities	Max safe load	9000kg
	Heaped	4600 litres
	Struck	3830 litres
	Water	2155 litres

Engine

Deutz TCD 3.6 L4 55.4kW/74hp at 2200rpm, water-cooled, 4-cylinder, charged air cooled turbo, electronic controlled fuel injected diesel engine. Powercore air intake filter and stainless steel exhaust system, including after treatment Diesel Oxidisation Catalyst providing conformity to EU Stage IIIb emission regulations. Peak torque 390Nm at 1300 rpm.

Noise Levels

Operator's ear 84 LpA, airborne sound level 101 LwA

Transmission

Torque converter four speed forward and reverse Powershuttle transmission with column mounted directional control lever and heavy duty gear driven transfer box.

Speeds	Forward and Reverse	
	1	4.4km/h (2.7 mph)
	2	7.1km/h (4.4 mph)
	3	13.3km/h (8.3 mph)
	4	24.3km/h (15 mph)

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

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 half shafts.

Kinglink Chassis

Front and rear chassis constructed from deep section folded steel plate, with three point Kinglink giving 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, fitted with high visibility rigid seat belt with adjustable web, accessible from both sides. Audible warning device for handbrake in "on" position, electric horn, large pedal pads, ignition key, park brake and skip controls ready to hand. Super bright LED warning lights visible from the drivers position for all critical functions.

Service Access

Keyless lockable side covers open to provide easy access from ground level to engine service points, all located on the same side. A lockable engine cover provides access to the top of the engine from inside the cab. An additional service access door incorporates the battery. Moulded plastic diesel tank and steel hydraulic tank are positioned low in chassis side members, permitting access to the filler caps from ground level.

Electrics

Engine control unit with shutdown monitoring. Electronic equipment function includes diagnostic port and tri-function hour meter/ fault code reader/ battery volt meter. Fuse & relay panels housed in easy to access positions, with all wiring contained in solid sealed conduit and all electrical components water resistant to IP67 rating.

Steering and Hydraulics

Single gear pump providing hydraulic functions includes priority power steering. Filter mounted on top of the tank accessible from ground level. Hydraulic test point fitted as standard.

Tank Capacities	Fuel	72 litres
	Hydraulic	50 litres

Shipping Cube	38.1 m ³
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Unladen Weight	5110kg
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Clearance Diameter	17.6m
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Standard Equipment

Towing bracket, Low fuel level warning, Water in fuel warning, LED beacon and green LED beacon with motion Inhibit, High visibility rigid seat belt, Reverse alarm, Cab heater, Low brake fluid warning, Handbrake test switch, Integrated camera system.

Optional Equipment

Road lights, Adjustable work lights, Air suspension seat, Rear wiper system, USB socket, Air conditioning.

Distributor

Thwaites

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We reserve the right to change all specifications without prior notice.
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