6 Tonne Powerswivel

KEY FEATURES & BENEFITS - MACH664

Designed to maximise productivity in restricted working environments, the Thwaites 6 Tonne Power Swivel dumper incorporates a powered 180° rotating skip, allowing loads to be discharged precisely where required without repositioning the machine. This enhances efficiency, reduces cycle times, and improves site safety. The skip is mounted on a heavy-duty ball bearing turntable and powered by twin slewing cylinders, providing smooth and controlled load placement.

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:

- 9T Front Tip (MACH594)
- 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.

A range of factory-fitted options is available to tailor the machine to specific site requirements, including a ROPS/FOPS canopy, enabling the machine to be configured for enhanced operator protection, comfort, and site compliance.

Safe, compliant and competitive.

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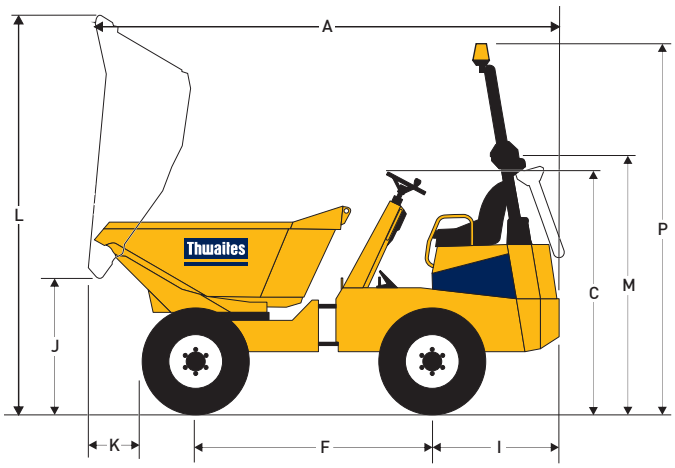
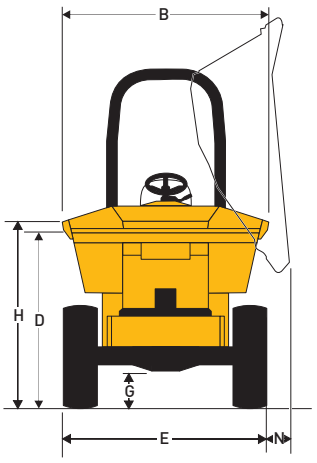
GET THE JOB DONE.

6 Tonne Powerswivel

DIMENSIONS & SPECIFICATIONS - MACH664

(mm)





A	4780	N	100
B	2280	P	3300
C	2230		
D	1670		
E	2240		
F	2480		
G	370		
H	1850		
I	1200		
J	1100		
K	550		
L	3694		
M	2230		

Weight

Unladen	4260 kg
Shipping	4216 kg

Capacities

Max safe load	6000 kg
Heaped	3150 litres
Struck	2550 litres
Water	1650 litres

Engine

Perkins 1104 D series, 70kW/94 bhp (gross) at 2200 rpm, 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 convertor 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	4.8 km/h (2.9 mph)
2	8.6 km/h (5.3 mph)
3	15.6 km/h (9.6 mph)
4	27.7 km/h (17.2 mph)

Tyres

405/70 x 20
Load/Speed Index 142 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 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, 8 mm steel base plate, fully welded, mouth and sides of skip reinforced with box section giving greater strength to minimise skip damage. No material traps. Powerswivel mounted on a ball bearing turntable with powered rotation through 180° by means of twin slewing cylinders, operated by a single dual-axis control lever. Automatic safety lock holds skip in central position when travelling.

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.
- An additional service access door incorporates the battery.
- Moulded diesel and hydraulic tanks positioned low in 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

- 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	70 litres
	Hydraulic	70 litres
Shipping Cube	24.2m³	
Unladen Weight	4340kg	
Clearance Diameter	12m	
Towing Bracket	Standard	

ROPS

For the UK and other markets where it is a legal requirement a fully approved folding ROPS frame 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**