

DT 3000 Series

Electrical System

24 volt electrical system with nominal battery capacities from 240 Ah to 375 Ah.

Maintenance free 3-phase (AC) traction motor provides strong performance and energy savings.

Crown's Access 1 2 3® technology provides optimum performance and control through intelligent coordination of all truck systems.

Access 1 2 3 includes on-board diagnostics enabling service engineers to actively view inputs and outputs during truck operation. No laptop or service terminal is required. The display provides a convenient interface for operators, keeping them informed of any changes impacting truck performance and allowing them to choose from three performance profiles when enabled.



Performance tuning can be accessed at the display to customise truck performance for specific applications or operator requirements. PIN codes can be assigned to individual operators and matched to one of the pre-programmed performance profiles if desired.

Chassis

The rugged chassis features a reinforced 10 mm thick skirt to protect drive unit and castor components. Optional dual castors are available for the harshest applications.

The contoured skirt provides greater ground clearance for working on ramps. Removable steel covers all around ensure internal components are protected against impacts yet easily accessible for service.



Power Unit Suspension

The drive unit suspension utilises hard-plated chrome rods and sealed slide bushings for long life without adjustment. The suspension provides 60 mm of travel with constant drive tyre pressure for excellent performance on ramps.



Active Traction, standard on trucks with electronic steering, varies drive tyre pressure to maximise performance based on loading and speed. Reduced slipping and improved braking are especially helpful on steep or wet ramps.

Brakes

Crown's e-GEN™ braking system uses the power of the high-torque AC traction motor to stop the truck and keep it static until a travel input is requested, even

when operating on an incline. This system eliminates adjustments and wear points maintenance free use.

An automatic parking brake activates if the truck is



for a lifetime of

stopped, the

operator leaves the platform or power is disconnected.

Fork Assembly

The forks can lift a 1000 kg load while the initial lift carries an additional 1000 kg load (or 2000 kg with forks lowered). The initial lift also provides increased ground clearance for traversing dock boards and slopes. Lift heights are available up to 2600 mm.



Operator Platform

The folding FlexRide™ platform reduces shock transfer to the operator by more than 80 percent. The **FLEXRIDE** lifetime platform suspension never requires adjustment and features solid state induction switches to avoid reliability issues caused by contaminants.



Heavy-duty side restraints feature 50mm heavy-wall steel tubing and rugged C-clamp mounting system. Soft polyurethane side pads are positioned for excellent support and comfort. The quick-exit feature (patent pending) allows the restraints to swing up for faster access to the load.

Controls

The X10® control handle features proportional lift and lowering for precise pallet positioning. An ergonomic forward / reverse thumb wheel allows for precise manoeuvring. The hand grips are urethane covered for insulation from cold and vibration with integrated horn buttons for easy activation. A rabbit / turtle switch incorporates two levels of programmable travel performance so operators can select the setting that matches their experience level or application requirements.



In rider mode, the ergonomic position of tiller and platform provides maximum control and stability. When operating in pedestrian mode, the low tiller position provides best-in-class foot clearance and a brake override feature allows travel with the control handle in a nearly vertical position for manoeuvring in congested areas.



Visibility



Excellent visibility to the fork tips and initial lift is the result of a wide-open mast and fork carriage and a compact power unit.

Operator Safety & Comfort

The operator compartment makes comfort, safety and productivity a priority with its easy-to-reach controls, visibility to the display and many ergonomic features.



The availability of electronic steering improves manoeuvrability and responsiveness, even with heavy loads. An intelligent tactile feedback feature analyses operational conditions and adjusts steering force for greater driver confidence. Combined with Active Traction and speed control on curves, electronic steering safely delivers top driving performance.



Crown's quick-exit side restraints (patent pending) swing up, allowing the operator to step off the side of the truck to save steps and time.