



Cargo D/G





The BT Cargo range of diesel and LPG counterbalance trucks has been developed to offer the widest choice of high-performance models. The diesel engined trucks are ideal for continuous outdoor use, while the LPG models can also be used internally. There is also a choice of transmission control systems.

A wide range for all applications (pp 4–5)

It is well recognised that different applications demand different performance characteristics. If long-distance travel is the key requirement, the focus is on rapid acceleration. Applications involving more frequent pallet placement, changes in travel direction, and manoeuvring, require smoother control characteristics. The BT Cargo range uniquely offers a choice of direct or electronic hydrostatic control systems to meet these demands.

Power, performance, and safety (pp 6–7)

Power is assured throughout the Cargo range with powerful diesel and LPG engines ranging from 2.2–4.5 litres. Hydrostatic transmission provides advanced performance characteristics and lower maintenance requirements. The Cargo range also incorporates advanced safety features:

- four-cylinder sideshift standard on most models*
- rear safety lights as standard
- clear-view masts on all models
- automatic hydrostatic braking

The driver experience (pp 8–9)

Maximum productivity is derived from high truck performance combined with the positive driver experience provided by good ergonomics and ease of operation. The Cargo combination of advanced cabin design and hydrostatic control ensures optimum driving characteristics. Every truck in the range offers:

- a choice of three different pedal configurations
- a comprehensive driver information display
- excellent options for fully enclosed cabs

Furthermore, the driving style of the Cargo D/G-series reflects that of the Cargo E-series electric truck range—an ideal combination for mixed fleet operations.

Options for maximum flexibility (p 10)

All BT Cargo models are designed to easily accommodate equipment for special applications—anything from a hydraulically controlled fork-spreader to invertors, half or fully enclosed cabs, and trucks designed for ATEX-classified applications (diesel models only).

Feature check (p 11)

Check out the full range of features built into the Cargo D/G counterbalance trucks. The total package of model choice, power, performance, drivability, reliability, and flexibility ensures the highest levels of productivity in operation.

* optional on 4.0–5.0 tonne models

A wide range for all applications

BT Cargo DIRECT hydrostatic trucks

Designed for applications that involve longer distance travel, these Cargo models offer rapid acceleration and high travel speed. At the same time these trucks enjoy the benefits of hydrostatic transmission, with automatic braking and easy fork control, removing the need to increase engine speed while lifting. Capacities are available from 1500 to 3500 kilograms.



C4D150D–200D (2.5 litre diesel engine)
 C4G150D–200D (2.2 litre LPG engine)
 These compact models offer capacities of 1500, 1800, or 2000kg, and offer maximum power at low revs giving effortless performance.



C4D250D–350D (3.3 litre diesel engine)
 C4G250D–350D (2.2 litre LPG engine)
 These powerful mid-range trucks have capacities of 2500, 3000, or 3500kg, and have been developed to give rapid acceleration, high travel speed and easy maintenance.



BT Cargo ELECTRONIC hydrostatic trucks

The electronic hydrostatic models in the BT Cargo range offer advanced driving characteristics and exceptionally smooth control—ideal for applications that require frequent picking and placing of loads and a more challenging operating environment. All performance parameters can be quickly and easily set to suit conditions. Capacities are available from 2500 to 5000 kilograms.



C4D250E–350E (3.3 litre diesel engine)
C4G250E–350E (2.2 litre LPG engine)
Electronic control means smooth performance and ease of use, giving maximum productivity in the most demanding situations. Capacities of 2500, 3000, or 3500kg.

C4D400E–500E (4.5 litre diesel engine)
Sheer power and strength for heavy-duty handling, with capacities of 4000, 4500, and 5000kg. Exceptional power at low revs—58kW at just 2000rpm.



Power, performance, and safety

Hydrostatic control

BT Cargo D/G models all feature hydrostatic transmissions, with direct or electronic control to suit either long distance or frequent stop/start operations.

In either case, hydrostatic control makes an internal combustion-engined truck drive like an electric model. This is a benefit in mixed fleet operations, where drivers will not have to adjust their driving styles when swapping between different trucks.

But what are these driving characteristics? Maximum power is available at low revs, for instant 'pick-up'; ie, no hesitation when applying power in driving or lifting. Automatic braking makes driving easier and reduces brake wear.

On most models* an automatic lifting acceleration system ensures that engine speed is proportionally increased when the lift lever is engaged. All performance characteristics are adaptable, as you would expect on an electric truck (see page 9).

* optional on C4D150D–200D and 250D–350D

Powerful engines

All Cargo D/G models feature powerful engines that deliver excellent torque at low engine speeds without compromising emissions or fuel efficiency. Choose between diesel and LPG on all models except the 4–5 tonne range, which is diesel only. See pp 4–5 for more information.

Manoeuvrability

All Cargo D/G models benefit from 80–85° steering for easy manoeuvrability in confined areas.



Clear-view masts
All masts are clear-view, with widely spaced uprights for maximum visibility.

Four-cylinder sideshift
BT is unique in offering four cylinder sideshift as standard* on most Cargo D/G models, to ensure safety, stability, and accuracy in the tightest situations.



* optional on 4.0–5.0 tonne models

Cargo D/G



Safety as standard

Cargo D/G trucks have a host of safety features. All models feature automatic hydrostatic braking, which provides effective retardation when the accelerator is released. All Cargo D/G models are designed to work safely on gradients. Thanks to their hydrostatic transmission technology they can be prevented from rolling back by application of the hand brake only, without any need for the foot brake to be used.



Starting the truck is a two-stage process: key and start button. For extra safety, it is also necessary for the hand operated parking brake to be applied before the truck can be activated. The emergency cut-off button kills hydrostatic pressure, thereby immediately disabling the truck.

Rear brake and reversing lights are a standard feature on all models (turning indicators are optional).



Easy to maintain

All Cargo D/G models offer easy access for maintenance.

Automatic hydrostatic braking significantly reduces wheel brake wear, and the oil-immersed disc brakes offer further maintenance benefits over non-sealed systems, while delivering controllable, progressive braking.

Electronic diagnostics provide comprehensive information on faults and truck status.

The driver experience

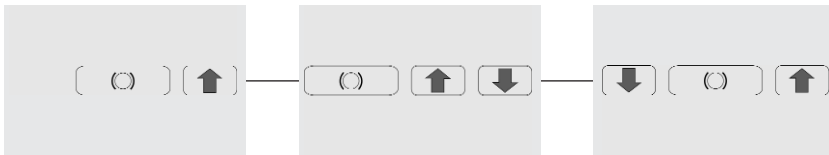
Of course, the most important feature of any fork-lift truck is its operator. The cab on all Cargo models is designed solely with him or her in mind. Everything from the seat to the steering wheel is fully adjustable to ensure maximum comfort, and therefore, safety and productivity.

For example, we have made the cab as easy as possible to step in to. When seated, the driver will find excellent legroom thanks to the slim steering column, and his or her feet will be comfortable on the ergonomically aligned pedals.



A choice of fork control systems

BT has developed a choice of two different fork control systems for Cargo D/G models, allowing the best method to be chosen for each driver and application. Conventional hydraulic control levers are standard but a pair of double-function levers is available as an alternative, offering intuitive control throughout the handling process.



A choice of directional control systems

BT offers a choice of three pedal arrangements on all Cargo D/G models to ensure they can fit seamlessly into any operation. The two-pedal variant works with manual direction control. Alternatively there is a choice of two different three-pedal variants available, thereby ensuring a perfect application fit, matching existing driver experience. Truck pedals are ergonomically designed for comfort and safe control.





Comprehensive driver information display

The dashboard contains all instruments necessary for safe driving, including warning, fault-finding, and maintenance indicators. Fuel level, parking brake position, drive direction, and selected performance mode are all displayed.



Adaptable performance

All Cargo D/G models' performance can be adapted to suit the application and operator. Adaptable parameters are:

- acceleration and deceleration
- travel direction inversion time
- level of hydrostatic braking
- inching

Electronic transmission (E) models are fully programmable via a plug-in console that allows a wide choice of parameter settings.



Enclosed cabs

Outdoor use typically requires an enclosed cab. Cargo D/G models can be specified ready for all conditions.

The fully weatherproofed cab features a plexiglass overhead guard, and a front windscreen wiper that covers a large area, for excellent visibility.

Perfect-fit doors and a sound deadening roof lining further improve the operator's environment. The doors also feature ergonomic handles—ideal for applications requiring frequent dismounting—and opening windows on both sides.

All cabs also have an interior light, a rear windscreen wiper, heated rear window (if the optional cab heater is specified), and are fully upholstered with easy-to-clean materials.

Options for maximum flexibility

Fork control systems

For more intuitive control with minimum operator effort, a pair of double-function levers is available on all Cargo D/G models (see page 8).



Directional control systems

As an alternative to the standard two-pedal layout, two three-pedal alternatives are also available, to suit operator preference and, therefore, easy integration into any application (see page 8).



Fork attachments

Cargo D/G models are available with a wide variety of fork attachments, including fork spreaders, inverters, and clamps. Talk to your local BT supplier for more information.



Complete lights system

All Cargo models are available with a complete lights system.



Tyre options

All Cargo D/G models come with Superelastic tyres as standard. They can also be supplied with pneumatic and twin-drive tyres.



Enclosed cabs

Cargo trucks are available with a choice of cabs for outdoor work: half cab, canvas cab (PVC sides), and complete cab. A heating system is optional for trucks fitted with a cab. All cabbed trucks have front and rear wipers (see page 9).

EEx version

All Cargo diesel models are available in ATEX-compliant EEx versions (categories 2G/D and 3G/D) for use in potentially explosive atmospheres.

FEATURE CHECK

	C4D/G 150D-200D	C4D/G 250D-350D	C4D 250E-350E	C4D 400E-500E
Truck features				
Adjustable fork width	S	S	S	S
Catalytic exhaust	O	O	O	O
Hydrostatic transmission	S	S	S	S
Independent hydrostatic drive wheel motors	S	S	S	S
Oversize wheels (standard on C4D/G300-350)	-	O	O	-
Pneumatic tyres	O	O	O	O
Superelastic tyres	S	S	S	S
Tilting mast	S	S	S	S
Twin drive tyres	O	O	O	O
Controls and instruments				
Double-function control levers	O	O	O	O
Fuel gauge (optional on LPG models)	S	S	S	S
Hour meter	S	S	S	S
Information display	S	S	S	S
Lifting engine accelerator*	O	O	S	S
Power steering (hydraulic)	S	S	S	S
Integrated sideshift	S	S	S	O
Three-pedal direction control (2 types)	O	O	O	O
Driving features				
Direct hydrostatic control	S	S	-	-
Electronic hydrostatic control	-	-	S	S
Safety features				
Clear-view mast	S	S	S	S
Clear-view overhead guard	S	S	S	S
Rotating switch parking brake	S	S	S	S
Emergency cut-off	-	-	S	S
Automatic hydrostatic braking	S	S	S	S
Programmable performance	-	-	S	S
Rear lights	S	S	S	S
Complete lights system	O	O	O	O
Working lights	O	O	O	O
Drivers compartment features				
Adjustable seat with safety belt	S	S	S	S
Adjustable steering wheel	S	S	S	S
Enclosed cab (see page 10)	O	O	O	O
Maintenance features				
Easy access for maintenance	S	S	S	S
Fault diagnosis facility	-	-	S	S
Oil-immersed disc brakes	S	S	S	S
Special applications				
Dusty environment version	O	-	-	-
EEx version (ATEX) (diesel models only)	O	O	O	O

S = standard O = optional

* (standard on C4G150D-200D and 250D-350D)

Cargo range

Model	Capacity kg
3-wheel electric trucks	
C3E120	1200
C3E150	1500
C3E160 / C3E160L	1600
C3E180 / C3E180L	1800
C3E200	2000
4-wheel compact electric trucks	
C4E160NL	1600
C4E200NL	2000
C4E250NV	2500
C4E300NV	3000
4-wheel electric trucks	
C4E120	1200
C4E150	1500
C4E160 / C4E160L	1600
C4E180 / C4E180L	1800
C4E200	2000
C4E250V	2500
C4E300V / C4E300VL	3000
C4E350V	3500
C4E400V	4000
C4E450V	4500
C4E500V	4900
4-wheel LPG trucks	
C4G150D	1500
C4G180D	1800
C4G200D	2000
C4G250D/E	2500
C4G300D/E	3000
C4G350D/E	3500
4-wheel diesel trucks	
C4D150D	1500
C4D180D	1800
C4D200D	2000
C4D250D/E	2500
C4D300D/E	3000
C4D350D/E	3500
C4D400E	4000
C4D450E	4500
C4D500E	4900

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