



OMNIDEL/e

LOW-LEVEL AUTOMATIC SPLIT BINLIFT

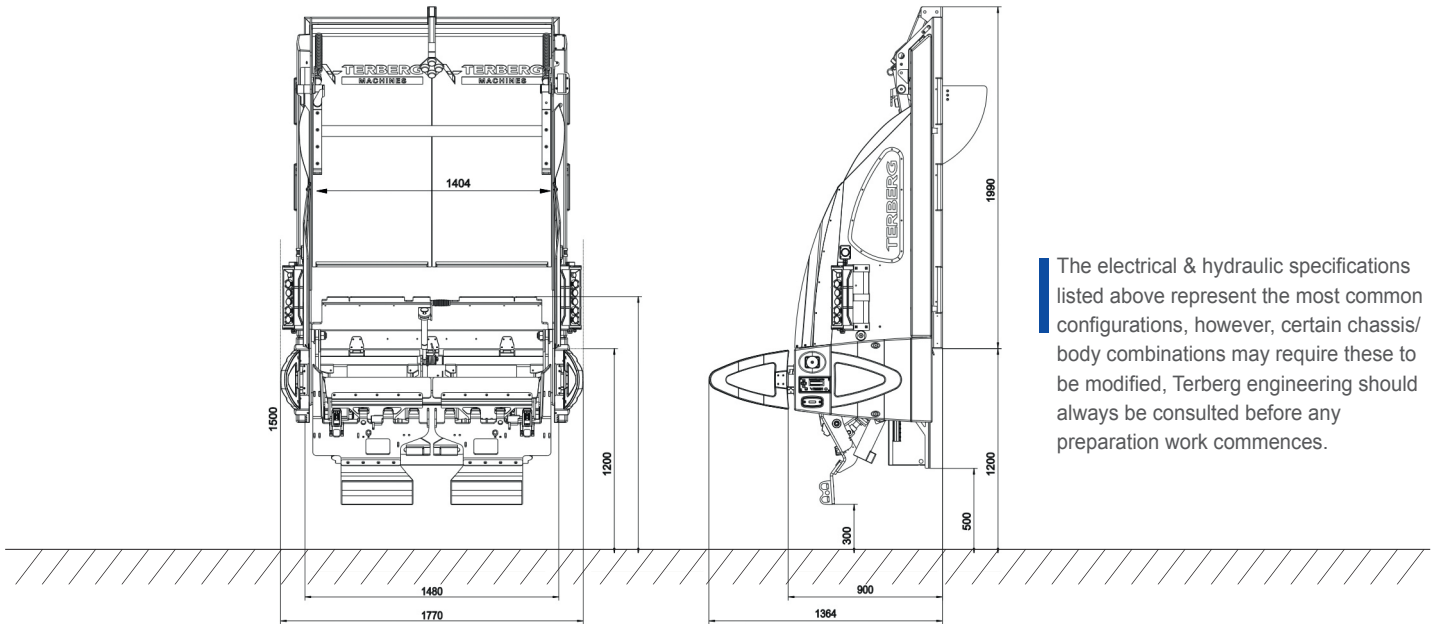
OmniDEL/e is a low voltage, electric bin lift with a proven heritage offering robust build, safe operation & minimal maintenance. The **OmniDEL/e** shares its mechanical design components, efficiency saving features and safety enhancing benefits with the standard OmniDEL but requires only 24v chassis electrical power for operation;

REASONS TO THE CHOOSE THE OMNIDEL:

- The **OmniDEL/e** only weighs 635 kg.
- The **OmniDEL/e** is equipped with 4-wheel recognition, which means that it automatically switches when emptying 4-wheeled bins.
- The one-of-a-kind geometry of the **OmniDEL/e** guarantees that the operator does not need to take a step backwards during collection cycle, and it has a remarkable discharge angle of 50°.
- A single point greasing system is integrated in the standard equipment which contributes to shorter maintenance intervals.

SMART SOLUTIONS

- The **OmniDEL/e** has a unique ultrasonic anti spilling system. This system detects any material which might still be left in the bin, automatically shakes the load one time so that all remaining material is collected, and places the container back on the ground.
- The Rear Protective Device comes as standard and complies to safety norm EN 1501.5. This is active during automatic loading of the 2-wheeled containers.
- Shock and water resistant IP69K automotive parts, low-maintenance bearings, contactless sensors and switch elements offer perfect protection against the often heavy daily working conditions.
- The **OmniDEL/e** is designed in such a way that it can easily be provided with a dynamic weighing system and that it is prepared for the various identification systems.
- The **OmniDEL/e** is designed in such a way that it lifts the container with low speed at first, and speeds up afterwards. Ergonomically and in terms of working conditions, this is ideal because it minimises duty on wrists and shoulders.
- All electrical connections are 'plug and play', meaning that replacement of defect parts happens quickly and easily. A cleverly designed diagnosis system helps you with tracking down malfunctions and guarantees less standstill during maintenance.



The electrical & hydraulic specifications listed above represent the most common configurations, however, certain chassis/body combinations may require these to be modified, Terberg engineering should always be consulted before any preparation work commences.

TECHNICAL SPECIFICATIONS



Chair configuration	Split twin chair
Single Man Trade (SMT)	Standard
Rear Protection Device (RPD)	Standard
4-wheel container recognition	Standard
Diagnostic display	Standard
Sonar N1 Switch	standard
Mechanical N1 Switch	option
Sonar Sensor Anti-Spillage System	Standard
Terberg Weighing & RFID preparation	Option
Single point greasing system	Standard
CleAN Open CANbus output	Option
Packer Cycle Delay Control (PCDC)	Standard
Lifting capacity	1000N (100kgs) split / 5000N (500kgs) linked
Weight	635kgs
Power source	electric
Electrical connections	16-pin / 24v
Chassis battery requirement	175 Ah minimum, ideal 245Ah (for hybrid chassis please consult Terberg)
Chassis alternator requirement	Requires 20A spare capacity. Minimum 75A, 100A recommended
Waterproof ratings	proximity switches/sensors to IP68, 'Plug and Play' wiring to IP69K
Hydraulic connections	quick release couplings (DIN 2353, NW13, NW20)
Hydraulic requirement	ideal 40 ltr/min., maximum 60 ltr/min., 180 bar
Cycle time	Auto > 2-wheel containers 6.0 secs (+dwell 0.5-1.5) / Manual > 12.0 secs
Noise level	<65db (A)
Safety	CE machinery directive certification, EN 1501.1 & EN 1501.5