

TECHNICAL INFORMATION

DRIVE TRAIN and STEERING

- Advanced SepEx 24V DC Drive Motor with sealed bearings, heavy duty commutator and stainless steel brush holders offers a powerful traction control system.
- Super Quiet ZF Direct Drive Transmission with large roller bearing is oiled for life and comes with manufacturer's three year warranty.
- SepEx control system provides smooth acceleration and energy saving dynamic braking. Travel speeds are virtually constant even driving up or down an incline regardless of the load.
- The drive motor, transmission, brakes and drive wheel are coupled to the all new Full Function Dura Control Handle.
- The Complete Drive system is securely mounted within the truck chassis for maximum protection.

STRUCTURE

- The all new "Brilliant by Design" chassis incorporates the very latest Laser Lock technology. Cut from Australian made steel by computer generated laser beams the system produces an interlocking chassis that is so strong it comes with a lifetime warranty.
- Special I Beam Mast Section provides strength and rigidity.
- The Fork Carriage is an integrally welded unit.
- The Fork Carriage is fully rollered to ensure smooth, long-wearing performance.

HYDRAULIC SYSTEM

- Full system filtration is provided on the input side of the lift pump to prevent contaminants from entering the hydraulic system.
- A heavy duty gear pump drives the single acting lift cylinder with chrome plated ram providing smooth lift and lower performance with minimal power consumption.
- Built in pressure relief valve protects system from overloads.

ELECTRICAL SYSTEM

- 24V system powered by dual 12V Industrial Type Batteries.
- SepEx transistorised programmable Control System with Multimode allows infinite control of all machine functions.
- Benefits include smooth speed response, increased usable battery energy per charge and extended motor life.
- Multimode allows parameters for acceleration, speed, deceleration and current limits to be set for both operating modes.
- Direction (forward/ reverse), Horn and Lift / Lower controls are housed in the new DURA control head mounted on the spring balanced control arm.
- Hydraulic Pump Motor is designed for peak electrical efficiency at specific torque and RPM to match lift pump requirements.

WHEELS

Polyurethane Wheels:

- Drive: 270mm dia. x 128mm .
Quick change type press on
- Load: 150mm dia. X 100mm

OPTIONAL EQUIPMENT

- Traction battery
- Hazard light & Beeper
- Flame Proofing

TRAVEL, LIFT and LOWER SPEEDS

Travel Speed:

Laden and Empty - up to 6kph

Lift Speed:

Empty - up to 12 metres per min

Laden - up to 5.5 metres per min

Lowering Speed:

Empty - up to 11 metres per min

Laden - up to 8 metres per min

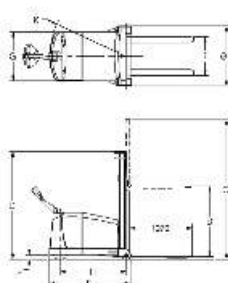


SAFETY FEATURES

- Certified to operate from tropical to cold room conditions.
- Dynamic Braking.
- Wide view mast.
- Belly button reversing switch.
- Ergonomically safe butterfly type speed control.
- Deadman Braking applies brake and cuts power.
- Wrap around hand guards.
- Emergency power disconnect.
- Electronic overload protection.
- Hydraulic overload protection.
- Automatic high speed cut out when forks are raised above 1800mm.
- Low Speed Select switch in handle.
- Built in Smart Battery Charger.
- Load backrest.

MAST	MODEL	TWO STAGE				
Lift Height m.		2.5	3.0	3.5	4.0	4.5
A. Capacity at 600mm L.C kg.	BOA 700 BOA 1000 BOA 1200	700 1000 1200	700 1000 1200	700 1000 1200	— 750 900	— 500 650
B. Lift Height mm.		2500	3000	3500	4000	4500
C. Extended Height mm. with Load Backrest		3680	4180	4680	5180	5680
D. Collapsed Height mm.		1780	2030	2280	2530	2780
E. Free Lift mm.		350				
F. Chassis Length mm. (To face of forks)	BOA 700 BOA 1000 BOA 1200	1180 1390 1560				
G. Chassis Width mm.		820				
G ₁ . Width Outside Load Wheels		1020				
H. Wheelbase mm.	BOA 700 BOA 1000 BOA 1200	920 1130 1300				
I. Carraige Width mm.		660				
J. Chassis Under clearance mm.		80				
K. Turning Radius mm.	BOA 700 BOA 1000 BOA 1200	970 1150 1310				
L. Weight Less Battery kg. *	BOA 700 BOA 1000 BOA 1200	1700 1730 1870	1730 1760 1890	1760 1790 1910	— 1820 1930	— 1850 1950
M. Battery Compartment mm.		340mm x 800mm x 480mm high				
N. Right Angle Stacking Aisle mm.		Dimension F plus Load Length plus 100mm.				

* NOTE BOA models are supplied standard with two 200 AH Sumi semi traction batteries. Weights shown include ???kg of loose counterweight in the battery compartment. For all BOA models supplied with a large traction battery the ??? kg loose counterweight is removed and the Weight Less Battery reduced by ???kg accordingly.



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