

PRODUCT SPECIFICATION

Battery Operated Counter Balanced Stacker

NANDI M Battery Operated Counter Balanced Stackers are designed for safe lifting, stacking, and movement of loads without requiring pallets or support legs in front, making them suitable for handling dies, bins, components, and palletised or non-palletised loads in factories, warehouses, and production areas.

Built with electric drive, powered hydraulic lifting, and a counter balanced structure, these stackers offer smooth maneuverability, dependable lifting performance, and enhanced operator safety for demanding industrial applications.

- Single Mast Model for lift heights from 500 mm to 1600 mm
- Double Mast Telescopic Model for lift heights from 1600 mm to 4500 mm

TECHNICAL SPECIFICATIONS

Product Identification

PRODUCT TYPE	Battery Operated Counter Balanced Stacker
DRIVE UNIT	Electric
OPERATING TYPE	Standing or Pedestrian
RATED CAPACITY	500 kg to 2000 kg

SPECIFICATION	Single Mast	Double Mast Telescopic
LOWERED FORK HEIGHT	90 mm	90 mm
LIFT HEIGHT	500 mm to 1600 mm	1600 mm to 4500 mm
MAST TYPE	Single Mast	Double Mast – Telescopic Model
FORK LENGTH	1200 mm	1200 mm
FORK TYPE	Forged Fork	Forged Fork
MOVABLE FORK WIDTH RANGE	400 mm to 750 mm	400 mm to 750 mm
WIDTH OF EACH FORK	100 × 40 mm	100 × 40 mm
MAST TILTING	2° to 4°	2° to 4°

Performance

BRAKE SYSTEM	Electromagnetic brake
ADDITIONAL BRAKE	Regenerative brake

Electric Motor and Drive System

DRIVE MOTOR RATING	1.5 kW
PUMP MOTOR RATING	2.2 kW
HYDRAULIC PUMP	Dowty gear pump
DRIVE ARRANGEMENT	Gear drive traction movement

Battery and Charger

BATTERY VOLTAGE / CAPACITY	24V / 345Ah
BATTERY CHARGER	24V / 30 Amps, transformer type

Safety and Standard Inclusions

- Horn

- Emergency switch
- Ignition key provided
- Reverse horn
- Operator platform

■ Steering System Options

- Manual steering
- Electronic power steering

MAIN FEATURES

- Regenerative braking function
- ZAPI electronic controller
- Emergency reversing device in the handle for improved operating safety
- Emergency power disconnect switch
- Braking applied with handle in upright and horizontal positions for added safety
- Five-point structure for improved truck stability

PRODUCT HIGHLIGHTS

- Counter balanced design for handling loads without front support legs
- Electric drive for smooth traction movement
- Powered hydraulic lifting for reduced operator effort
- Available in single mast and double mast telescopic versions
- Lift heights available from 500 mm to 4500 mm
- Forged fork construction for industrial duty
- Movable fork width for handling different load sizes
- Electromagnetic and regenerative braking for enhanced safety
- Available with manual or electronic power steering
- Suitable for heavy-duty industrial applications

COMMON APPLICATIONS

- Handling dies, bins, and industrial components
- Loading and unloading operations
- Material movement in factories and production areas
- Stacking loads at different working heights
- Applications where front support legs are not suitable

CUSTOMISATION AVAILABLE

Capacity, lift height, fork width, steering option, and mast configuration can be offered based on customer requirement and application.

NANDI M Battery Operated Counter Balanced Stackers are built for safe and efficient lifting of loads in industrial environments where conventional stackers may not be suitable. With electric drive, powered hydraulic lifting, counter balanced construction, and multiple mast options, they offer dependable performance, stability, and flexibility for demanding material handling applications.