

PRODUCT SPECIFICATION

Dual Lift AC Stacker

- AC-powered lifting with manual hand pump backup for uninterrupted operation.

NANDI Semi Electric AC with Manual model Stackers are designed for safe lifting, stacking, and movement of palletised loads in warehouses, factories, stores, and production areas. These stackers combine manual travel with AC-powered lifting, making them ideal for applications that require efficient vertical lifting with reduced operator effort.

Built with a rigid structure, heavy-duty carriage, and a reliable AC power pack, NANDI Semi Electric AC with Manual Model Stackers are suitable for continuous industrial use and can be offered in custom-built sizes to suit specific customer requirements.

This model is available in a single mast configuration and is suitable for lifting applications up to 2000 mm.

TECHNICAL SPECIFICATIONS

PRODUCT TYPE	Semi Electric AC with Manual Stacker
RATED CAPACITY	250 kg / 500 kg / 1000 kg / 1500 kg / 2000 kg
LOWERED HEIGHT	100 mm
LIFT HEIGHT	Customisable from 500 mm to 2000 mm
FORK LENGTH	500 mm to 1500 mm
WIDTH OF EACH FORK	100 mm / 125 mm / 150 mm
MAST TYPE	Single Mast
LIFTING METHOD	AC Motor with Manual Pumping
LIFT MOTOR RATING	2 HP, 3-phase
MOVEMENT	Manual
WHEEL OPTIONS	Nylon / Cast Iron / Polyurethane
FINISH	Deep Orange powder-coated

MAIN FEATURES

- Heavy-duty C-formed forklift mast provided
- Stationary seals designed for longer service life
- Cartridge type valves provided to reduce hydraulic leakage
- Strong and rigid structure for industrial lifting applications
- Suitable for safe pallet lifting and stacking
- Smooth handling with manual movement
- Built for continuous shop-floor usage

DETAILED TECHNICAL FEATURES

Customisable Design

- Available in customised sizes to suit specific customer requirements across different industries and applications
- Fork length and lift height can be tailored based on application needs

Structural Integrity

- Rigid structure designed to prevent distortion under heavy load
- Two chains support the carriage for improved stability and durability

Carriage Plate

- Carriage plate made from 16 mm thick MS plate, reinforced to support heavy loads and ensure long service life

■ Steering Mechanism

- Equipped with a direct mechanical tiller-type steering system
- Provides wheel turning up to 200 degrees for improved maneuverability and easier handling, even in tight spaces

■ Support Rollers

- Fitted with polyurethane-coated support rollers for smooth operation during both upward and downward movement

■ Electrical System

- Overload relay provided for overload protection of the motor
- Proximity sensors provided for cut-off positioning
- AC power supply used within the control panel and power pack only

■ Hydraulic System

- Overload relief valve provided to divert oil back to the tank in case of overloading
- Hydraulic arrangement designed for safe and dependable lifting performance

SPECIAL FEATURES

- AC-powered lifting with manual movement
- Available in capacities from 250 kg to 2000 kg
- Lift heights customisable from 500 mm to 2000 mm
- Heavy-duty C-formed mast construction
- Stationary seals for longer life
- Cartridge valve system for reduced hydraulic leakage
- Reinforced carriage plate for heavy-duty operation
- Smooth maneuverability with direct tiller steering
- Reliable electrical and hydraulic protection features
- Suitable for warehouses, stores, factories, and production units
- Ready spare parts and dependable service support
- Built for demanding industrial working conditions

COMMON APPLICATIONS

- Pallet lifting and stacking in warehouses
- Loading and unloading operations
- Material movement in stores and production areas
- Stacking goods at different working heights
- Internal pallet handling in factories and industrial units

CUSTOMISATION AVAILABLE

Capacity, fork length, lift height, wheel type, and other specifications can be offered based on customer requirement and application.

NANDI Semi Electric AC Stackers are dependable material handling solutions designed for safe pallet lifting and stacking with AC-powered lifting and manual travel. Built with a heavy-duty mast, reinforced carriage, and reliable safety features, they are ideal for warehouses, factories, stores, and production environments requiring smooth and efficient load handling.