PRODUCT SPECIFICATION

Semi Electric AC Stacker

NANDI Semi Electric AC 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, reinforced carriage, and a reliable AC power pack, NANDI Semi Electric AC Stackers are suitable for continuous industrial use and can be offered in custom-built sizes to suit specific customer requirements.

- NANDI Semi Electric AC Stackers are available in:
- Single Mast Model for lift heights from 500 mm to 2000 mm
- Double Mast Telescopic Model for lift heights from 500 mm to 4000 mm

TECHNICAL SPECIFICATIONS

SPECIFICATION	Single Mast	Double Mast Telescopic
RATED CAPACITY	250 kg to 2000 kg	250 kg to 2000 kg
LOWERED HEIGHT	100 mm	100 mm
LIFT HEIGHT	500 mm to 2000 mm	500 mm to 4000 mm
FORK LENGTH	500 mm to 1500 mm	500 mm to 1500 mm
FORK WIDTH	500 mm to 1500 mm	750 mm to 1500 mm
WIDTH OF EACH FORK	100 mm / 125 mm / 150 mm	100 mm / 125 mm / 150 mm
MAST TYPE	Single Mast	Double Mast – Telescopic Model
MOVEMENT	Manual	Manual
LIFTING METHOD	AC Power Pack	AC Power Pack
POWER ARRANGEMENT	Control panel and accessories provided	Control panel and accessories provided
LIFT MOTOR RATING	2 HP, 3-phase, flange mounted	2 HP, 3-phase, flange mounted
WHEEL OPTIONS	Nylon / Cast Iron / Polyurethane	Nylon / Cast Iron / Polyurethane

POWER SYSTEM

- Equipped with a 2 HP, 3-phase motor from a reputed manufacturer
- AC power supply is used within the control panel and power pack only
- Designed for smooth and dependable lifting performance

CUSTOMISABLE DESIGN

- Available in customised sizes to suit specific customer requirements across different industries and applications
- Fork length, fork width, 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 / 20 mm thick MS plate, reinforced to support heavy loads and ensure long service life

STEERING MECHANISM

- Equipped with a three-point steering system for better maneuverability and easier handling, even in tight spaces

SUPPORT ROLLERS

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

ELECTRICAL SYSTEM

- Overload relay provided for motor overload protection
- Proximity sensors provided for cut-off positioning

HYDRAULIC SYSTEM

- Overload relief valve provided to divert oil back to the tank in case of overloading

SPECIAL FEATURES

- AC-powered lifting with manual movement
- Available in Single Mast and Double Mast Telescopic versions
- Lift heights available from 500 mm up to 4000 mm
- Customisable fork length and fork width
- Strong and sturdy structure for industrial applications
- Reinforced heavy-duty carriage plate
- Smooth maneuverability with three-point steering
- Reliable electrical and hydraulic safety 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 rack heights
- Internal pallet handling in factories and industrial units

CUSTOMISATION AVAILABLE

Capacity, fork length, fork width, lift height, wheel type, and mast configuration 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 rigid structure, reinforced carriage, and reliable safety features, they are ideal for warehouses, factories, stores, and production environments requiring smooth and efficient load handling.