natexpowerequipment.com.au
info@natexpowerequipment.com.au

QYD SERIES — STANDARD ELECTRIC TUG

QYD-045-LA24

4.5 Tonne Walk-Behind Electric Tug

4,500 KG CAPACITY

A pedestrian, walk-behind electric tug built to move up to 4,500 kg around factories, warehouses and vehicle production lines — towing multiple trailers in a single run.

QYD-045-LA24 walk-behind electric tug, shown with rear pin/ball coupling and LED warning beacon. Unit photographed in an alternate colour — standard production colours are Grey RAL 7024 / Red RAL 3001 (see below).

Grey — RAL 7024 Red — RAL 3001

KEY FEATURES

- **Handle Auto-Brake Safety Interlock:** The tiller houses a micro-switch safety module — let go of the handle and it springs upright, cutting power and applying the electromagnetic brake instantly.
- **Stepless Speed Control:** Brushless drive motor with a smooth, progressive throttle curve — gentle take-off that won't jolt or snake a trailing load.
- **Tight Turning, Narrow Aisles:** A compact three-point chassis gives a turning radius of just 1,350 mm, so it threads through tight racking and doorways a forklift can't.
- **Fail-Safe Electromagnetic Braking:** Power-off braking with automatic park-lock on grades — no separate handbrake needed, and it holds the load the moment power is cut.
- **Lead-Acid Standard, Lithium Optional:** Runs all shift on the standard 48V lead-acid pack, or step up to a 48V lithium-ion battery for faster charging and a longer service life.
- **Quick-Swap Battery Compartment:** Toolless battery compartment for fast pack changes on multi-shift sites — minimal downtime between runs.

TECHNICAL SPECIFICATIONS

PERFORMANCE	
Rated Towing Capacity	4,500 kg
Rated Drawbar Pull	1,500 N
Maximum Drawbar Pull	2,100 N
Travel Speed (unladen / laden)	6.5 / 4.5 km/h
Max. Gradeability (unladen / laden)	8% / 5%
Turning Radius	≤ 1,350 mm
Sound Level at Operator's Ear	≤ 72 dB(A)

DIMENSIONS & WEIGHT	
Overall Length × Width × Height	1,595 × 805 × 1,030 mm
Wheelbase	850 mm
Ground Clearance	100 mm
Tow Coupling Height	280 / 330 / 380 mm (adjustable)
Unladen Weight (incl. battery)	380 kg

POWER & BATTERY	
Drive Motor	1.5 kW Brushless (S2–60min)
Battery	48V — 4 × 12V / 83Ah lead-acid (lithium optional)
Charger	48V / 10A smart charger

CHASSIS, BRAKING & STEERING	
Drive / Castor Wheels	Solid rubber drive wheels, polyurethane castor
Braking System	Electromagnetic, fail-safe (power-off engages brake)
Steering	Mechanical tiller steering
Standard Coupling	Rear pin hitch + tow ball (combination)

SAFETY FEATURES

- ✓ Handle-release auto-brake (micro-switch safety circuit)
- ✓ Emergency stop button
- ✓ Over-voltage, under-voltage, over-current & over-heat protection
- ✓ Low-battery alarm with fault code display
- ✓ Audible warning buzzer while driving
- ✓ Anti-rollaway interlock — won't start unless the tiller is in the working position

STANDARD INCLUDES

- QYD-045-LA24 electric tug
- 48V / 10A smart charger
- Rear pin hitch + tow ball coupling
- LED warning beacon + audible alarm
- Operator handbook & tool kit

UPGRADE OPTIONS

OPTIONAL UPGRADES

- + 48V lithium-ion battery upgrade
- + Rear auxiliary control panel — jog forward/reverse from the tow point while hitching
- + Custom, non-standard tow hitch or attachment — built to match your existing fleet

TOW HITCH & ATTACHMENT OPTIONS

Rear pin hitch + tow ball (combination) fitted as standard.

Every hitch and attachment point can be built to order to match your existing fleet:

- Tow balls — single or double, with pin-lock option
- Pin hitches — single, double or spring-loaded
- Wheelie-bin hitches — front or rear
- Trolley & pallet-jack attachments — clamping or spring-loaded lift
- Roller-pusher attachments — for drums, pipes & cable reels
- Spring-loaded tow bars

OPERATING ENVIRONMENT

Ambient Temperature	**-10°C to +45°C**
Floor Surface	**Sealed, level hard flooring, gradient ≤ 5%**
Altitude	**≤ 1,000 m**

STANDARD COLOURS

Grey — RAL 7024 Red — RAL 3001

TILLER CONTROLS

Every function is within thumb's reach on the tiller head — no need to let go of the handle while driving or manoeuvring.

- Accelerator twist grip
- Emergency stop button
- Horn button
- Power switch with fault indicator
- Speed dial (Hi / Lo)

1-YEAR WARRANTY | LOCAL TECHNICAL SUPPORT | PARTS HELD IN STOCK

NATEX POWER EQUIPMENT — 69 / 13 Jusfrute Drive, West Gosford NSW 2250
info@natexpowerequipment.com.au | natexpowerequipment.com.au

Specifications provided for reference only and do not constitute a guarantee of performance. NATEX reserves the right to change specifications without prior notice — refer to the equipment's data plate and operator handbook for confirmed figures.