

QYD SERIES – STANDARD ELECTRIC TUG

QYD-040-LA-48V

4.0 Tonne Walk-Behind Electric Tug

A pedestrian, walk-behind electric tug built to move up to 4,000 kg around factories, warehouses and vehicle production lines – towing multiple trailers in a single run.

4,000
KG CAPACITY



QYD-040-LA-48V 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		DIMENSIONS & WEIGHT	
Rated Towing Capacity	4,000 kg	Overall Length × Width × Height	1,595 × 805 × 1,030 mm
Rated Drawbar Pull	1,500 N	Wheelbase	850 mm
Maximum Drawbar Pull	2,100 N	Ground Clearance	100 mm
Travel Speed (unladen / laden)	6.5 / 4.5 km/h	Tow Coupling Height	280 / 330 / 380 mm (adjustable)
Max. Gradeability (unladen / laden)	8% / 5%	Unladen Weight (incl. battery)	380 kg
Turning Radius	≤ 1,350 mm		
Sound Level at Operator's Ear	≤ 72 dB(A)		
POWER & BATTERY		CHASSIS, BRAKING & STEERING	
Drive Motor	1.5 kW Brushless (S2-60min)	Drive / Castor Wheels	Solid rubber drive wheels, polyurethane castor
Battery	48V – 4 × 12V / 83Ah lead-acid (lithium optional)	Braking System	Electromagnetic, fail-safe (power-off engages brake)
Charger	48V / 10A smart charger	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-040-LA-48V 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
- Speed dial (Hi / Lo)
- Horn button
- Power switch with fault indicator

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.