

New tow tractor series from Linde Material Handling

26 May 2020 by Linde Material Handling GmbH

Trio for efficient material supply

They make moving loads more comfortable, safer and more efficient – even in confined spaces: the three new tow tractor models P40 C, P40 C B and P60 C from Linde Material Handling have a narrow chassis and offer outstanding maneuverability, versatile equipment features and a wide range of safety systems.

Tow tractors have become indispensable in many transport processes. These all-rounders are mostly used as towing vehicles for logistic trains, for example to supply production in industrial plants, deliver goods to shops in airport terminals, serve meals in hospitals – or as “shelves on wheels” in warehouses and distribution centers.

Linde Material Handling is presenting three new tractor models, each of which offers a choice between lithium-ion and lead-acid batteries:

- The Linde **P40 C** with four tons load capacity, 800 Newton nominal tractive force and a maximum travel speed of 8/13 kilometers per hour (with/without load).
- The Linde **P40 C B** with four tons load capacity, 800 Newton nominal tractive force and maximum travel speed of 8/10 kilometers per hour (with/without load).
- The Linde **P60 C** with six tons load capacity, 1200 Newton nominal tractive force and a maximum travel speed of 8/13 kilometers per hour (with/without load).

All models have a width of only 800 millimeters and can be easily maneuvered even in narrow aisles. From the operator’s platform, the driver has an unobstructed view of the working environment, trailer, coupling and load – ensuring maximum visibility and safety.

The tow tractors are designed so that the driver’s torso and limbs remain within the protective vehicle contours at all times. In the event of a collision, robust bumpers absorb the force effectively.

Performance and equipment meet the highest requirements

The vehicles are equipped with numerous safety systems as standard. An example is the Linde Curve Control which reduces speed when cornering, depending on the steering wheel angle. The optional Linde Blue Spot projects a blue point of light onto the ground in front of the tractor, thus warning pedestrians of the approaching vehicle. Glare-free LED headlights give the driver an excellent view of the road ahead, even in poorly lit aisles.

The vehicles are brought to a standstill by three independently operating brake systems. The electromagnetic servo brake (Linde Brake Control) is connected to the emergency stop switch and automatically acts as the so-called dead man's function when the driving switch is released. The vehicle stops also automatically when the driver steps off the platform. The hydraulically assisted braking system in turn reacts proportionally to the load weight: the heavier the load, the more braking force.

Other advantages of Linde tow tractors include the optimized platform suspension which reduces human vibrations up to 30 percent compared to previous models. For best possible shock absorption, it can also be adjusted depending on the weight of the operator. The wide, low entry, the height-adjustable steering wheel and an adjustable backrest with folding seat offer the operator a high level of comfort. Double castor wheels ensure optimum stability and traction in all driving situations. Four types of wheels offering different material and grip properties are available, depending on the ambient conditions as well as the conditions of the ground to be driven on. If the tow tractor is part of a logistic train ("Linde Load Train"), there is an optional remote control available for the trailers.

The optional, modular Linde Connect fleet management is used for access control, vehicle and driver administration, maintenance planning, shock sensors and usage analysis as well as zone-dependent speed adjustment.

Source: Linde Material Handling GmbH