Features

Ultimate driving feeling

- → The unique "U" shaped operator's compart ment links : console – platform – scoop sea It is fully suspended leading to an exceptional driving feel
- → Adjustable seat, console and steering cont → Ergonomic, robust chassis with enclosed a
- protected load wheels
- ightarrow Wide platform access
- ightarrow Low stepping height



Storage / Equipments

- → Standard removable compartment /bin under scoop seat with front and top access (Locker as an option)
- → Wide storage compartment to store gloves, documents...
- → Storage compartment on the console to store pencils, adhesive tape...
- → Wide compartments under the console for wrapping paper...



Tow Hook options

- → Different hooks available: Single position, 3 positions and manually operated hook with pull cable operated without leaving the work station
- → Optional inching control on both sides enables easy and safe operation (Forward/backward)

Power steering

- → Proportional, self centring, power-assisted steering for effortless, precise operation
- → Adjustable steering resistance and positive steering feedback ensures the truck is always on track
- ightarrow Automatic speed reduction when cornering



AC Motor

- → Powerful, smooth 3kW at 100% performance
- → Moisture and dust-proof motor, maintenance-free
- ightarrow No rollback on uphill starting
- → Maximum speed of 10km/h, whether the truck is laden or unladen (8km/h for P50C)

Console and Linde twin grip steering control

- → Ergonomically designed console incorporates steering control, clipboard, emergency isolator CAN bus plug and Linde Digital Information Display (hourmeter, battery discharge indicator, warning and information display)
- → Adjustable in height, the console provide controls and instrumentation all within easy reach
- → All main control functions integrated into one handle for operation by both or either hand
- \rightarrow Optimum protection for both hands

CAN bus connectivity

- → Intelligent electronic management of all components for rapid and easy diagnosis
- → All performance parameters can be accurately adjusted by the service technician to suit each individual application



A battery for every need

- → Vertical battery change as standard (3 and 4PzS)
- → Wide range of batteries from 375 Ah (3PzS) to 620 Ah (5PzS)
- → Battery locking system for side change option secures battery in compartment and eases battery changing



Safety

The design of the tractor ensures that the operator remains well within the truck contours while driving. The ergonomic twin grip steering control incorporates a wrap-around hand guard and the front steel bumper ensure excellent safety for both operator and machine.

Performance

The P30C & P50C are compact tow tractors particularly suited to towing applications in narrow aisles. Due to their compact nature the operator has direct access to the towing attachment located at the rear. They share common components and are both powered by a 3 kW AC motor. The P30C and P50C can tow 3,000kg and 5,000kg respectively.

Comfort

The unique design of the operator's compartment offers a level of comfort previously unknown in the market. In addition to an adjustable back rest and console/steering control, these tow tractor provides a unique suspended and damped "U" shape platform. This links the 3 main point of contact between operator and machine: scoop seat, platform and console and provides a superior driving experience over long travel distances or uneven floors.

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Reliability

The robustness of the steering control, the strong towing mounting and the high quality steel chassis ensure reliable operation over long periods of time. Highly durable electronic components also contribute to increased truck life. Extensive testing in the heaviest applications confirm the tractors' reliability.

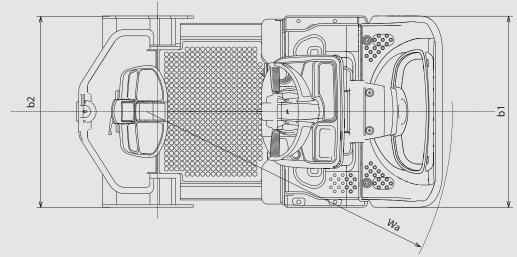
Service

Efficient in operation and highly cost effective. CAN bus connections enable all truck data to be accessed for service inspection. Service intervals of 1,000 operating hours ensure high uptime. Easy accessibility to all components and the use of maintenance free AC motors contribute to fast service times.

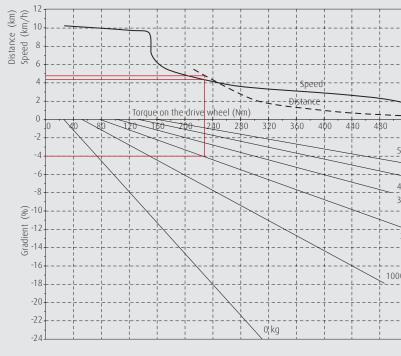
Technical data (according to VDI 2198)

	1.1	Manufacturer		LINDE		
	1.2	Manufacturer's type designation			P 30C	P50C
istics	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas			Battery	Battery
Characteristics	1.4	Operator type: hand, pedestrian, stand-on, seat-on, order-picker			Stand-on	Stand-On
	1.5	Load capacity		Q (kg)	3000	5000
	1.7	Rated drawbar pull		F (N)	1800	1800
	1.9	Wheelbase	(± 5 mm)	y (mm)	1049,5 ²⁾	1049,5 ²⁾
Weight	2.1	Dead weight	(±10%)	kg	940 1)	940 1)
	2.3	Axle loading, unladen front/rear	(±10%)	kg	584 / 436 1)	584 / 436 1)
Ś	3.1	Tyres: Solid rubber (R), Superelastic (S), Polyurethane (P)			R + R	R + R
	3.2	Tyre size, front		Ø x 1mm	Ø 254 x 102	Ø 254 x 102
l tyre	3.3	Tyre size, rear		Ø x 1mm	2x Ø 250 x 80	2x Ø 250 x 80
Wheels and tyres	3.4	Auxiliary wheels size		Ø x 1mm	2xØ100x40	2xØ100x40
	3.5	Wheels, number front/rear (x = driven)			1x + 2/2	1x + 2/2
	3.6	Track width, front	(mm)		544	544
	3.7	Track width, rear	(mm)		675	675
	4.8	Height of backrest, min/max		h7 (mm)	710/910 ⁴⁾	710/910 ⁴⁾
	4.9	Tiller height, travel position, min/max		h14 (mm)	1020/1120	1020/1120
.0	4.12	Tow coupling height: Single position, 3 positions		h10 (mm)	300, 290/345/400	300, 290/345/400
sions	4.19	Overall length	(± 5 mm)	l1 (mm)	1500 3)	1500 3)
Dimensions	4.21	Overall width	(± 5 mm)	b1/b2 (mm)	790/-	790/-
D	4.32	Ground clearance, centre wheelbase	(mini)	m2 (mm)	40	40
	4.35	Turning radius	(mini)	Wa (mm)	1230	1230
	4.36	Minimum pivoting point distance		b13 (mm)		
	5.1	Travel speed, with/without load	(±5%)	km/h	10/10	8/8
	5.5	Drawbar pull with/without load (60 minutes rating)		N	1800	1800
nce	5.6	Maximum drawbar pull with/without load (5 minutes rating)		N	4000	4000
Performance	5.7	Climbing ability with/without load (30 minutes rating)		0/0	5/24	< 3/24
	5.8	Maximum climbing ability with/without load (5 minutes rating)		0/0	8/24	5/24
	5.9	Acceleration, with/without load	(sur 10 m)	S	6.74/4.58	6.55/4.58
	5.10	Service brake			Electromagnetic	Electromagnetic
	6.1	Drive motor rating S2 60 min		kW	3	3
Drive	6.3	Battery according to IEC			Spécial case ^{s)}	Spécial case ⁵⁾
	6.4	Battery voltage/rated capacity (5 h)		V/Ah	24/375	24/375
	6.5	Battery weight	(±10%)	kg	295 1)	295 ¹⁾
	6.6	Power consumption according to Linde cycle		kW	2.348/3.407	2.348/3.407
Other	8.1	Drive control			LAC	LAC
	8.4	Sound level at the driver's ear according to DIN 12053		dB (A)	< 70	< 70
	8.5	Tow coupling, design/type, DIN Standard			-	-

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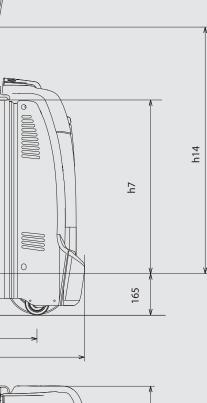


Example of application



With battery item 6.5
With battery compartment 3 PzS side removal (+100 mm for 3 PzS vertical and 4 PzS side removal; +150 mm for 4 PzS vertical removal; +225 mm for 5 PzS vertical removal)
+10mm with hook

⁴⁾ 100mm clearance (through a height adjustment handle) + 100mm (through a fixed adjustment behind the seat)
⁵⁾ Special case for side battery change - DIN 43535 B for all vertical battery change





The example shown illustrates						
A tractor towing	2 t load					
Operating on a ramp of	4 %					
Maximum travelling speed reachable	4,3 km/h					
Length of ramp	4,9 km					