UNICARRIERS

SILVER

PFB45-50(C)LU

FOUR WHEEL LI-ION ELECTRIC
FORKLIFT TRUCK

4.5 - 5.0 tons



ENGINEERED FOR RELIABLE EVERYDAY OPERATIONS

EXCELLENT PERFORMANCE FOR ANY WORKLOAD

The PFB45-50LU delivers stable performance and dependable operation in daily use, supporting a wide range of materials. Its compact, well-balanced structure and lithium electric power system provide smooth handling while maintaining low noise and zero exhaust emissions, making it suitable for indoor and outdoor work environments.

CONSISTENT PERFORMANCE



- Equipped with a lithium electric drive system for controlled lifting and travelling.
- Enhanced productivity with refined steady performance under load.

STABILITY AND CONTROL



- Precise load positioning and lifting response enabled by responsive steering and controlled hydraulics.
- Improved safety during operation with the stable lifting and lowering enhancer.

ERGONOMICALLY-DESIGNED

- Reduces work accidents with a clear visibility and intuitive control layout.
- Minimises work fatigue and maximise productivity with a comfortable operator seating position.

CONVENIENT MAINTENANCE



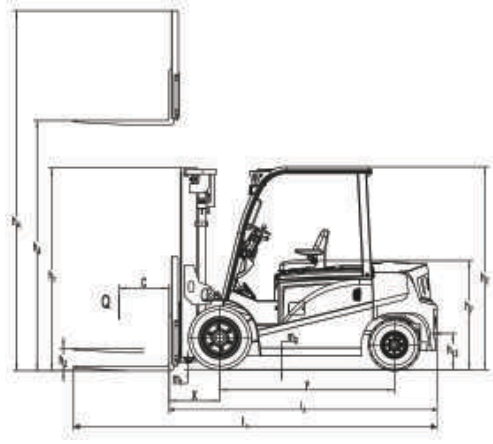
- Quick inspection and servicing with streamlined components arrangement.
- Integrated with an electric drive system which reduces routine maintenance and increases operational savings and uptime.

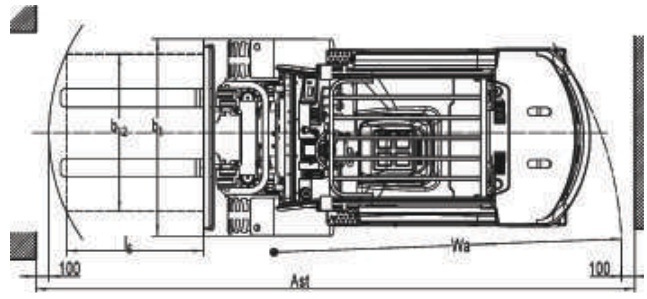
SECURE HANDLING

- Safer driving with turning deceleration features in various work environments.
- Utilises ratchet parking brake lever for increased reliability during ramp parking.

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PFB45-50(C)LU Series Battery Balance Weight Type Forklift Truck						
Identification	1.1	Manufacture (abbreviation)		Unicarriers Forklift Trucks		
	1.2	Manufacturer's type designation		PFB45LU	PFB50CLU	PFB50LU
	1.3	Drive: Electric (Battery or Mains), Diesel, Petrol gas, Manual		Electric		
	1.4	Type of operation (Hand, Pedestrian, Standing, Seated, Order-picker)		Seated		
	1.5	Load capacity/rated load	Q (kg)	4500	5000	
	1.6	Load centre distance	c (mm)	500		600
	1.7	Load distance, centre of drive axle to fork	x (mm)	563		568
	1.8	Wheelbase	y (mm)	1950		
Weight	2.1	Service weight incl. battery (see line 6.5)	lbs (kg)	6500	6950	7400
	2.2	Axle loading, laden front/rear	lbs (kg)	9850/1150	10610/1360	10800/1600
	2.3	Axle loading, unladen front/rear	lbs (kg)	2960/3540	2750/4200	2800/4600
Wheels, Chassis	3.1	Type: solid rubber, superelastic, pneumatic, polyurethane		Solid Rubber		
	3.2	Tyres size, front		250-15		28 x 12.5 - 15
	3.3	Tyres size, rear		23 x 9 - 10		
	3.4	Wheels, number front/rear (x=driven wheels)		2 / x2		
	3.5	Track width, front	b10 (mm)	1200		1185
	3.6	Track width, rear	b11 (mm)	1125		
Basic Dimensions	4.1	Mast/fork carriage tilt forward/backward	α/β(°)	6 / 10		
	4.2	Lowered mast height	h1 (mm)	2250		
	4.3	Free lift	h2 (mm)	150		
	4.4	Lift height	h3 (mm)	3000		
	4.5	Extended mast height	h4 (mm)	4117		
	4.6	Overhead load guard height	h6 (mm)	2265		
	4.7	Seat height/standing height	h7 (mm)	1200		
	4.8	Coupling height	h10 (mm)	490		
	4.9	Overall length	l1 (mm)	4090		4095
	4.10	Length to face of forks	l2 (mm)	3040		
	4.11	Overall width	b1 (mm)	1500		
	4.12	Fork dimensions	s/e/l (mm)	50/150/1070		55/150/1070
	4.13	Fork carriage width	b3 (mm)	1380		
	4.14	Ground clearance, laden, under mast	m1 (mm)	135		
	4.15	Ground clearance, centre of wheelbase	m2 (mm)	165		
	4.16	Aisle width for pallets 1000×1200 crossways	Ast (mm)	4453		4458
	4.17	Aisle width for pallets 800×1200 lengthways	Ast (mm)	4653		4658
	4.18	Turning radius	Wa (mm)	2690		
Performance Data	5.1	Travel speed,laden/unladen	km/h	14/15		
	5.2	Lift speed,laden/unladen	m/s	0.3 / 0.42		0.3 / 0.4
	5.3	lowering speed,laden/unladen	m/s	0.38 / 0.3		
	5.4	Drawbar pull, laden/unladen S2 60min	N	6000 / 6500	6200 / 6650	
	5.5	Max drawbar pull, laden/unladen S2 5 min	N	17800 / 17500	18500 / 18000	
	5.6	Max.Gradient performance, laden/unladen S2 30 min	%	15/20		
	5.7	Service brake		Mechanical		
E-Motor	6.1	Drive motor rating S2 60 min	kW	20		
	6.2	Lift motor rating at S3 15%	kW	26		
	6.3	Battery standard		Li-Ion		
	6.4	Battery voltage, nominal capacity K5	V/Ah	76.8 / 412		
	6.5	Battery weight	kg	330 / 420		
		Battery dimensions l/w/h	mm	1200 / 810 / 610		
Other Details	7.1	Type of drive control		AC		
	7.2	Operating pressure for attachments	MPa	18.5		
	7.3	Oil volume for attachments	l/min	65		
	7.4	Sound level at driver's ear according to EN 12053	dB(A)	75		







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Digital Brochure

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Note:
These products and specifications are subject to change without notice.
Photos and illustrations may slightly differ from the actual trucks.
Photos and illustrations may or may not include optional equipment and accessories.
Features and specification may vary depending on markets.
Performance data and dimensions are normal and subject to tolerances.
Produced in ISO certified factory.

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