UNICARRIERS

SILVER

PFB60-80LU

LITHIUM BATTERY COUNTER-BALANCED FORKLIFT TRUCKS

6.0 - 8.0 tons



BUILT TO HANDLE TOUGH INDUSTRIAL WORKLOADS

STRENGTH AND PRECISION FOR INTENSIVE WORK

Designed to handle intensive workloads in different working environments, the PFB60-80LU delivers stable performance and dependable control across all operations. Its balanced structure allows seamless operation across narrow spaces. With an electric drive system, it is suitable for both indoor and outdoor uses as it has low noise and zero exhaust emissions.

RELIABLE PERFORMANCE

- Electric drive system delivering strong and consistent power
- Stable lifting and travel operations despite heavy loads
- Progressive power delivery ensures confident multi-shift operations



PRECISE HANDLING

- Equipped with responsive steering for accurate load positioning
- Integrated with a controlled hydraulic system for precise lifting
- Improved handling confidence regardless of workloads



OPERATOR COMFORT

- Spacious operator compartment for comfortable long working hours
- Clear visibility with improved awareness during operation
- Intuitive control layout for easy access and reduced fatigue



SAFETY-FOCUSED DESIGN

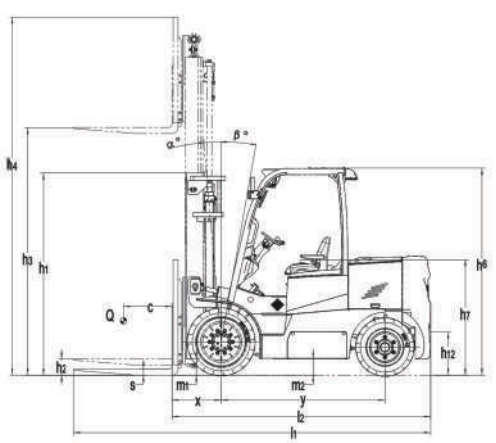
- Enhanced operational safety with stable braking performance
- Built with AI intelligence imaging system to reduce blind spots
- Automatic deceleration for a safer turning experience

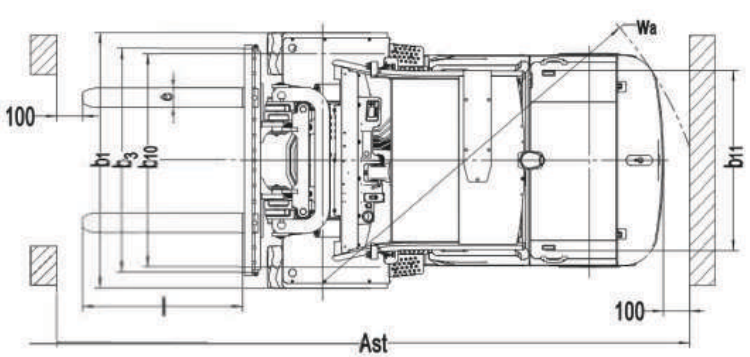
EASY MAINTENANCE

- Organised internal components layout arranged for quick inspection access
- Electric drive system reduces routine maintenance needs
- Comprehensive overall design ensures excellent sealing and waterproofing, for extended battery life

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PFB60-80LU Series Battery Balance Weight Type Forklift Truck						
Identification	1.1	Manufacture (abbreviation)		UniCarriers Forklift Trucks		
	1.2	Manufacturer's type designation		**PFB60LU**	**PFB70LU**	**PFB80LU**
	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)	6000	7000	8000
	1.6	Load centre distance	c (mm)	600		
	1.7	Load distance, centre of drive axle to fork	x (mm)	595	600	610
	1.8	Wheelbase	y (mm)	2030		
Weight	2.1	Service weight incl. battery (see line 6.5)	kg	Li-Ion: 19646 (8930)	Li-Ion: 20680 (9400)	Li-Ion: 24640 (11200)
	2.2	Axle loading, laden front/rear	kg	Li-Ion: 29018 / 3828 (13190 / 1740)	Li-Ion: 32010 / 4070 (14550 / 1850)	Li-Ion: 37928 / 4312 (17240 / 1960)
	2.3	Axle loading, unladen front/rear	kg	Li-Ion: 8030 / 11616 (3650 / 5280)	Li-Ion: 7480 / 13200 (3400 / 6000)	Li-Ion: 9504 / 15136 (4320 / 6880)
Wheels, Chassis	3.1	Type: solid rubber, superelastic, pneumatic, polyurethane		Solid Rubber		
	3.2	Tyres size, front		355 / 65 - 15		355 / 50 - 20
	3.3	Tyres size, rear		250 - 15		
	3.4	Wheels, number front/rear (×=driven wheels)		2x / 2		
	3.5	Track width, front	b10 (mm)	1574		1623
	3.6	Track width, rear	b11 (mm)	1370		
Basic Dimensions	4.1	Mast/fork carriage tilt forward/backward	α/β(°)	5 / 10		
	4.2	Lowered mast height	h1 (mm)	2500		
	4.3	Free lift	h2 (mm)	185	190	200
	4.4	Lift height	h3 (mm)	3000		
	4.5	Extended mast height	h4 (mm)	4420		
	4.7	Overhead load guard height	h6 (mm)	2560		
	4.8	Seat height/standing height	h7 (mm)	1430		
	4.9	Coupling height	h10 (mm)	535		
	4.10	Overall length	l1 (mm)	4407	4412	4427
	4.11	Length to face of forks	l2 (mm)	3187	3192	3207
	4.12	Overall width	b1 (mm)	1870		1945
	4.13	Fork dimensions	s/e/l (mm)	60/150/1220	65/150/1220	75/150/1220
	4.14	Fork carriage width	b3 (mm)	1700		
	4.15	Ground clearance, laden, under mast	m1 (mm)	200		
	4.16	Ground clearance, centre of wheelbase	m2 (mm)	198		
	4.17	Aisle width for pallets 1000×1200 crossways	Ast (mm)	4770	4775	4790
	4.18	Aisle width for pallets 800×1200 lengthways	Ast (mm)	4970	4975	4990
	4.19	Turning radius	Wa (mm)	2980		
Performance Data	5.1	Travel speed,laden/unladen	mph (km/h)	15 / 15.5		
	5.2	Lift speed,laden/unladen	fpm (mm/s)	340 / 390	320 / 390	300 / 390
	5.3	lowering speed,laden/unladen	fpm (mm/s)	400 / 430	390 / 430	380 / 430
	5.4	Drawbar pull, laden/unladen S2 60min	lbf (N)	36000		
	5.5	Max.Gradient performance,laden/unladen S2 5 min	%	15		14
	5.6	Service brake		Hydraulic		
E-Motor	6.1	Drive motor rating S2 60 min	kW	35		
	6.2	Lift motor rating at S3 15%	kW	40		
	6.3	Battery standard		Li-Ion		
	6.4	Battery voltage, nominal capacity K5	V/Ah	Li-Ion: 96 / 412		
	6.5	Battery weight	kg	Li-Ion: 550		
		Battery dimensions l/w/h	mm	1420 / 610 / 570		
Other Details	7.1	Type of drive control		AC		
	7.2	Operating pressure for attachments	MPa	230		
	7.3	Oil volume for attachments	l/min	80		
	7.4	Sound level at driver's ear according to EN 12053	dB(A)	74		75







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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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