

PRELIMINARY
SPECIFICATIONS

PREMIA^{ES}

PBP16 - 20N3(R)(E) Series

POWER PALLET TRUCK

1.6 - 2.0 tonnes

DESIGNED TO EXCEL BUILT TO LAST

Developed for non-stop performance in the most challenging environments, PREMIA ES pedestrian power pallet trucks help you go the distance. Thanks to its sealed protective chassis and waterproof components, PREMIA ES is unaffected by dirt, debris, dust, and water, working dependably indoors or out with minimal maintenance.

SPECIFICATIONS

PBP16N3
PBP18N3
PBP20N3
PBP20N3R
PBP20N3E



**WHEN
RELIABILITY IS
EVERYTHING...**

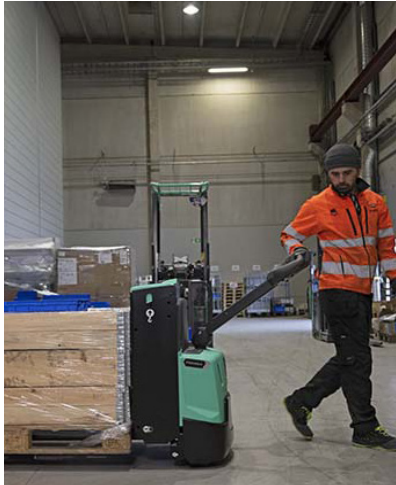
Logisnext
Forklifts 

PREMIA ES

PBP16 - 20N3(R)(E) SERIES

POWER PALLET TRUCK

1.6 – 2.0 tonnes



BRAKES

- **Parking brake**
Automatically activated when necessary for extra safety on ramps.
- **Regenerative braking**
Extends shift life and gives effective control without brake wear.

DRIVE

- **Sealed transmission**
Shock-resistant, quiet and requires little maintenance.
- **Powerful AC drive motor**
Excellent traction and ramp performance, smooth, quiet, controlled operation, extended shift length and lower maintenance requirements.
- **Sensitive Drive System (SDS)**
An intuitive driver-assist system for increased safety. Performance is managed according to steer angle and the velocity of finger controls.



ELECTRICAL AND CONTROL SYSTEMS

- **Programmable controller**
Acceleration, speed and braking can be adjusted to suit the application and operator's preferences.
- **On-board diagnostics and fault memory folder**
Speed up servicing and help prevent damage.

FORKS AND MAST

- **Robust forks**
Strong welded construction with rounded tips for effortless pallet entry.
- **Market-leading lift height of 220mm**
Ideal for handling on steep ramps, loading docks and uneven surfaces, even when using recycled pallets.
- **Tapered forks**
Access to pallets in racks or block stacks is easier, quicker and safer.

FRAME AND BODY

- **Sealed chassis**
Internal components are protected against water, dirt, dust and debris, reducing downtime and servicing.
- **Water-resistant design**
Water is kept away from key electrical parts for safety and longer part life.
- **Two linked castor wheels**
In addition to the load wheels for added stability. Increases comfort for the driver and safety for the load.
- **Low centre of gravity**
Operation is safer and more stable.
- **Operate in low temperatures**
Can be used down to -10°C non-condensing (+1°C condensing) and with an optional cold store modification down to -30°C operating.



For more information
on PREMIA ES please
visit our website



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OPERATOR COMPARTMENT AND CONTROLS

- **Choice of two pre-set operating modes (ECO and PRO)**
Enabled via key switch to enhance safety, energy efficiency and productivity.
- **Creep speed function and tiller-up drive**
Operators can easily manoeuvre in confined areas, with speed limited for added safety and control.
- **Unique crossbar design**
Tiller arm and operator's hand are protected.
- **Ergonomic rubber hand grips**
Handles are comfortable and easy to hold.
- **Battery discharge indicator**
Fitted as standard for battery protection and preventing deep discharge.
- **Low to the ground**
Ground clearance is only 35mm so there is very low risk of foot trapping.
- **Spacious platform**
Suspended foldable platform allows operator to ride in safety and comfort with centre steering. (PBP20N3R)



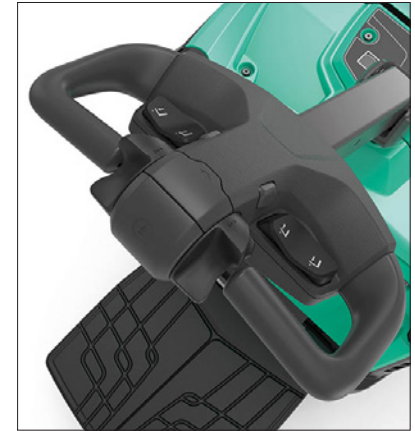
- **Left-handed or right-handed controls**
The tiller arm's versatile design allows for operation from either side.
- **Easy-to-operate tiller arm**
Its large buttons mean operators can focus on the task in hand and minimise mistakes.
- **Emergency stop**
Easy and fast stop to power in an emergency.

STEERING SYSTEM

- **Ergonomic ErgoSteer tiller head**
Best-in-class, weather-protected and impact-resistant tiller head with large, easy-to-reach buttons placed at a patented ergonomic distance for reduced fatigue and safer operation. IP65 rated.
- **Small turning circle**
Combine this with the compact chassis and operation is possible in tight areas allowing for optimised use of warehouse space.

OTHER FEATURES

- **RapidAccess features**
These allow quick and easy entry to all areas for checks and maintenance.
- **PIN-code access**
Stops unauthorised truck use and keeps you aware of who's operating at all times. (Option)



For more information
on PREMIA ES please
visit our website



lnf2.eu/premes



PREMIA ES

OPTIONAL LI-ION BATTERY SYSTEMS

MAKE YOUR FORKLIFT
GO EVEN FURTHER



Lead-acid batteries have been the standard choice for electric lift trucks for decades, and for good reason — they work. But long charging times, demanding maintenance, the need for spare batteries, and the risk of operator misuse can turn day-to-day running into a drag on productivity.

Logisnext Li-ion changes that equation. We don't build one Li-ion battery and apply it to all situations. Whatever your operation looks like, from continuous multi-shift running to lighter, more occasional duty, there's a Logisnext Li-ion battery specified to match it, with a low-maintenance design that all but eliminates the cell damage caused by operator error.

Where a Li-ion option existed before, it typically came from a third-party battery supplier — with its own warranty, its own diagnostics, and its own service relationship running alongside the truck's. Logisnext Li-ion is different: a proprietary Li-ion power unit engineered specifically for Logisnext Forklifts, where the truck, the battery, the onboard battery management system and the charger are run on one diagnostic software, supported by one service technician, and covered by Logisnext warranties.



Li-ion battery option is available in selected regions.

Continuing improvement may lead to changes in these specifications

- **One warranty provider, one service tech**

Truck, battery, onboard battery management system, and charger are covered by a Logisnext warranties and diagnosed through one system — not separate suppliers with separate contracts to chase when something needs attention.

- **Gas-emission free and space-efficient operation**

No off-gassing means no dedicated ventilation or charging room, freeing up floor space you'd otherwise lose to lead-acid infrastructure.

- **Exceptional battery and charger efficiency**

State-of-the-art cell and charger technology delivers up to 30% more power efficiency than lead-acid batteries.

- **Maintenance-free design**

No daily checks, no water refills. Fewer manual touchpoints means less risk of operators damaging cells and shortening battery life.

- **No spare batteries or charging room needed**

Free up space and cut costs on multi-shift operations, without the extra batteries lead-acid fleets depend on.

- **Quick charge capability**

A 15-minute top-up during breaks or downtime keeps a truck running for longer, improving productivity.

- **Higher sustained voltage**

Consistent lifting and driving performance from the first hour of a shift to the last, with none of the power drop-of lead-acid.

- **Multiple safety features**

Circuit protection, deep-discharge and overcharge protection, and individual cell temperature and voltage monitoring, all built in as standard.

- **Wide choice of battery and charger capacities.**

Power supply matched to the exact demands of your application, whatever the truck or the shift pattern.

Fully integrated with Logisnext Forklifts

CANbus communication and automatic ON/OFF synchronisation link battery and truck as one system. Battery level, notifications, and alarms all appear directly on the truck display, giving operators a clear, single point of reference.

Clean by design



With no emissions and no acid to manage, Logisnext Li-ion batteries suit sensitive environments: food production, packaging, and other spaces where cleanliness isn't optional.

For more information on Li-ion please visit our website



lnf2.eu/lin

VDI - PERFORMANCE & DIMENSIONS

CHARACTERISTICS			
1.1	Manufacturer		
1.2	Manufacturer's model designation		
1.3	Power source		
1.4	Operator type		
1.5	Load capacity	Q	kg
1.6	Load center distance	c	mm
1.8	Load wheel axle to fork face (forks lowered)	x	mm
1.9	Wheelbase	y	mm
WEIGHT			
2.1b	Truck weight without load, with maximum battery weight		kg
2.2	Axle loadings with nominal load & maximum battery weight, drive / load side		kg
2.3	Axle loadings without load & with maximum battery weight, drive / load side		kg
WHEELS, DRIVE TRAIN			
3.1	Tyres: PT = Power Thane, Vul = Vulkollan, P = Polyurethane, N = Nylon, R = Rubber drive / load side		
3.2	Tyre dimensions, drive side		mm
3.3	Tyre dimensions, load side		mm
3.4	Castor wheel dimensions (diameter x width)		mm
3.5	Number of wheels, load / drive side (x = driven)		
3.6	Track width (center of tyres), drive side	b10	mm
3.7	Track width (center of tyres), load side	b11	mm
DIMENSIONS			
4.4	Lift height	h3	mm
4.8	Seat- or stand height	h7	mm
4.9	Height of tiller arm / steering console (min./max.)	h14	mm
4.15	Fork height, fully lowered	h13	mm
4.19	Overall length	l1	mm
4.20	Length to fork face	l2	mm
4.21	Overall width	b1/b2	mm
4.22	Fork dimensions (thickness, width, length)	s/e/l	mm
4.25	Outside width over forks (minimum / maximum)	b5	mm
4.32	Ground clearance at center of wheelbase, (forks lowered)	m2	mm
4.33c	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise, platform up / down	Ast	mm
4.34c	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up / down	Ast	mm
4.35	Turning radius	Wa	mm
PERFORMANCE			
5.1	Travel speed, with / without load		km/h
5.2	Lifting speed, with / without load		m/s
5.3	Lowering speed, with / without load		m/s
5.7	Gradeability, with / without load		%
5.10	Service brakes (mechanical / hydraulic / electric / pneumatic)		
ELECTRIC MOTORS			
6.1	Drive motor capacity (60 min. short duty)		kW
6.2	Lift motor output at 15% duty factor		kW
6.4	Battery voltage/capacity at 5-hour discharge		V/Ah
6.5	Battery weight		kg
6.6a	Energy consumption according to EN16796		kWh / h
MISCELLANEOUS			
8.1	Type of drive control		
10.7	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ		dB(A)
10.7.2	Whole-body vibration (EN 13 059:2002)		
10.7.3	Hand-arm vibration (EN 13 059:2002)		

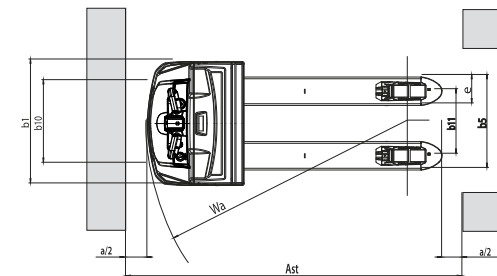
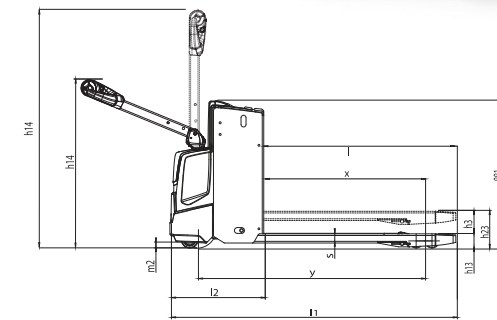
- 1) With the 250 Ah battery this dimension increase by 65 mm
- 2) With the 375 Ah battery this dimension increase by 72 mm
- 3) With the 250 Ah battery this dimension increase by 60 mm
- 5) With the 250 Ah battery this dimension increase by 41 mm
- 6) With the larger batteries several dimensions increase (see notes #1-5)
- 7) Measured with the 250 Ah battery

Logisnext Forklifts			
PBP16N3 Battery Pedestrian	PBP18N3 Battery Pedestrian	PBP20N3 Battery Pedestrian	
1600	1800	2000	
600	600	600	
960	960	960	
1360 ¹⁾	1425	1425 ²⁾	
430	500	500	
745 / 1290	805 / 1495	840 / 1660	
340 / 90	380 / 120	380 / 120	
Vul / Vul	Vul / Vul	Vul / Vul	
230 x 70	230 x 70	230 x 70	
85 x 90	85 x 75	85 x 75	
100 x 40	100 x 40	100 x 40	
2 / 1x + 2	4 / 1x + 2	4 / 1x + 2	
480	480	480	
375	375	375	
135	135	135	
865 / 1420	865 / 1420	865 / 1420	
85	85	85	
1650 ³⁾	1710	1710 ²⁾	
500 ³⁾	560	560 ²⁾	
720	720	720	
55 / 165 / 1150	55 / 165 / 1150	55 / 165 / 1150	
540	540	540	
30	30	30	
2311 ⁵⁾	2352	2352 ²⁾	
2176 ⁵⁾	2217	2217 ²⁾	
1510 ⁵⁾	1551	1551 ²⁾	
6.0 / 6.0	6.0 / 6.0	6.0 / 6.0	
0.035 / 0.045	0.030 / 0.035	0.040 / 0.050	
0.050 / 0.050	0.060 / 0.042	0.050 / 0.060	
10.0 / 20.0	10.0 / 20.0	10.0 / 20.0	
Electric	Electric	Electric	
1.0	1.0	1.0	
0.8	0.8	1.2	
24 / 150-250 ⁶⁾	24 / 250	24 / 250-375 ⁶⁾	
151-212	212	212-288	
0.23 ⁷⁾	0.26	0.26	
Stepless	Stepless	Stepless	
64.5	64.5	64.5	
< 2.5	< 2.5	< 2.5	

Ast = Wa-x+l6+a
 Ast = Working aisle width
 Wa = Turning radius
 a = Safety clearance (200 mm)
 l6 = Pallet length

PREMIA ES PEDESTRIAN POWER PALLET TRUCK PBP16/18/20N3

1.6 – 2.0 tonnes



VDI - PERFORMANCE & DIMENSIONS

CHARACTERISTICS				Logisnext Forklifts	
1.1	Manufacturer			PBP20N3R	PBP20N3E
1.2	Manufacturer's model designation			Battery	Battery
1.3	Power source			Pedestrian	Pedestrian
1.4	Operator type			2000	2000 / 700
1.5	Load capacity	Q	kg	600	600
1.6	Load center distance	c	mm	960	890
1.8	Load wheel axle to fork face (forks lowered)	x	mm	1420 ²⁾	1425
1.9	Wheelbase	y	mm		
WEIGHT					
2.1b	Truck weight without load, with maximum battery weight		kg	640	585
2.2	Axle loadings with nominal load & maximum battery weight, drive / load side		kg	950 / 1710	815 / 1785
2.3	Axle loadings without load & with maximum battery weight, drive / load side		kg	505 / 135	435 / 150
WHEELS, DRIVE TRAIN					
3.1	Tyres: PT = Power Thane, Vul = Vulkollan, P = Polyurethane, N = Nylon, R = Rubber drive / load side			Vul / Vul	Vul / Vul
3.2	Tyre dimensions, drive side		mm	230 x 70	230 x 70
3.3	Tyre dimensions, load side		mm	85 x 75	85 x 75
3.4	Castor wheel dimensions (diameter x width)		mm	125 x 55	100 x 40
3.5	Number of wheels, load / drive side (x = driven)			4 / 1x + 2	4 / 1x + 2
3.6	Track width (center of tyres), drive side	b10	mm	480	480
3.7	Track width (center of tyres), load side	b11	mm	375	375
DIMENSIONS					
4.4	Lift height	h3	mm	135	135 / 645
4.8	Seat- or stand height	h7	mm	170	
4.9	Height of tiller arm / steering console (min./max.)	h14	mm	1155 / 1550	865 / 1420
4.15	Fork height, fully lowered	h13	mm	85	90
4.19	Overall length	l1	mm	1850 / 2345 ²⁾	1780
4.20	Length to fork face	l2	mm	700 / 1195 ²⁾	630
4.21	Overall width	b1/b2	mm	720	720
4.22	Fork dimensions (thickness, width, length)	s/e/l	mm	55 / 165 / 1150	59 / 184 / 1150
4.25	Outside width over forks (minimum / maximum)	b5	mm	540	570
4.32	Ground clearance at center of wheelbase, (forks lowered)	m2	mm	30	30
4.33c	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise, platform up / down	Ast	mm	2481 / 2961 ²⁾	2370
4.34c	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up / down	Ast	mm	2346 / 2826 ²⁾	2266
4.35	Turning radius	Wa	mm	1680 / 2160 ²⁾	1560
PERFORMANCE					
5.1	Travel speed, with / without load		km/h	6.0 / 6.0	6.0 / 6.0
5.2	Lifting speed, with / without load		m/s	0.040 / 0.040	0.110 / 0.140
5.3	Lowering speed, with / without load		m/s	0.050 / 0.060	0.130 / 0.120
5.7	Gradeability, with / without load		%	9.0 / 20.0	9.0 / 20.0
5.10	Service brakes (mechanical / hydraulic / electric / pneumatic)			Electric	Electric
ELECTRIC MOTORS					
6.1	Drive motor capacity (60 min. short duty)		kW	1.0	1.0
6.2	Lift motor output at 15% duty factor		kW	1.2	1.2
6.4	Battery voltage/capacity at 5-hour discharge		V/Ah	24 / 250-375 ⁶⁾	24 / 150
6.5	Battery weight		kg	212-288	151
6.6a	Energy consumption according to EN16796		kWh / h	0.26	0.26
MISCELLANEOUS					
8.1	Type of drive control			Stepless	Stepless
10.7	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ dB(A)			60.2	64.5
10.7.2	Whole-body vibration (EN 13 059:2002)			1.1	
10.7.3	Hand-arm vibration (EN 13 059:2002)			< 2.5	< 2.5

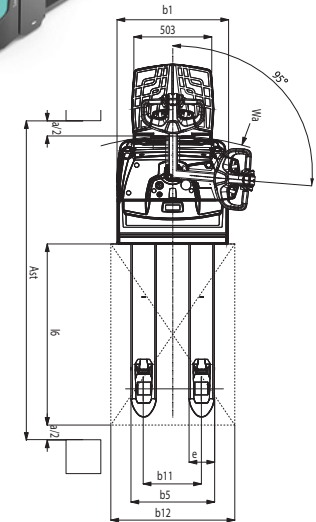
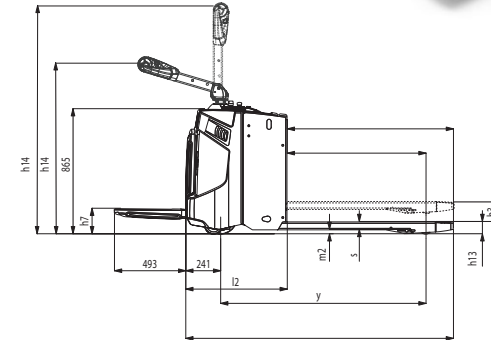
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- 6) With the larger batteries several dimensions increase (see notes #1-5)
- 7) Measured with the 250 Ah battery

Ast = Wa-x+l6+a
Ast = Working aisle width
Wa = Turning radius
a = Safety clearance (200 mm)
l6 = Pallet length

PREMIA ES PEDESTRIAN POWER PALLET TRUCK PBP20N3R

with folding platform

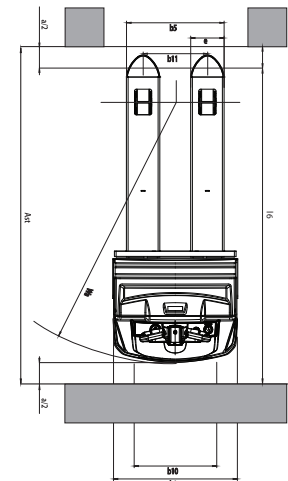
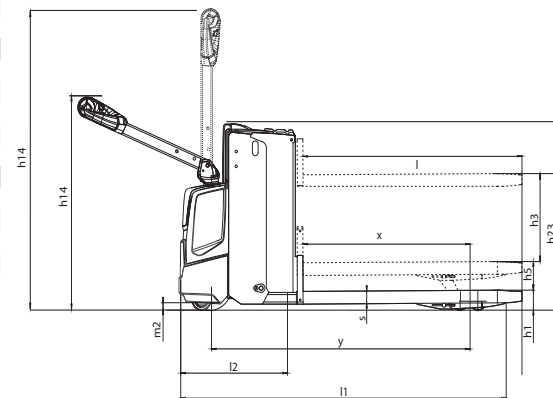
2.0 tonnes



PBP20N3E

with rising forks

2.0 tonnes



STANDARD EQUIPMENT & OPTIONS

- = Standard
- = Option

	PBP16N3	PBP18N3	PBP20N3	PBP20N3R	PBP20N3E
GENERAL					
Multifunctional display, including hour meter and BDI	●	●	●	●	●
Key switch entry	●	●	●	●	●
PIN code device log in, 5 codes	■	■	■	■	■
Centered long pipe tiller arm (short pipe arm in R model)	●	●	●	●	●
Electric on/off valve for lifting and lowering, controlled by rocker switch on tiller head	●	●	●	●	●
Ergo initial lift, to 735 mm for picking applications etc.	-	-	-	-	●
Sideways battery change on rollers, with 250 Ah and 375 Ah battery only (lead-acid)	-	■	■	■	-
Battery changing trolley, for 2 batteries (lead-acid)	-	■	■	■	-
Li-ion batteries	■	■	■	■	■
ENVIRONMENT					
Continuous use, +5°C to +25°C	●	●	●	●	●
Cold store design, 0°C to -35°C	■	■	■	■	■
Hot operating condition modification, up to +45°C	■	■	■	-	■
DRIVE AND LIFT CONTROLS					
Tiller up drive	●	●	●	●	●
Increased ground clearance +70 mm, incl. rubber strip foot protection	■	■	■	-	■
WHEEL OPTIONS					
Vulkollan® drive wheel	●	●	●	●	●
Power friction drive wheel	■	■	■	■	■
Single load wheels Vulkollan®	●	■	■	■	■
Tandem load wheels Vulkollan®	■	●	●	●	●
OTHER OPTIONS					
Load backrest, height 1300 mm (600 mm in E model)	■	■	■	■	■
Closed pallet entry and exit rollers	■	■	■	■	■
Special RAL colour	■	■	■	■	■
Built-in charger 30 A, for lead-acid batteries	■	■	■	■	■
Accessory rack	■	■	■	■	■
List bracket/writing desk, A4 size	■	■	■	■	■
Computer rack, 10-16" size	■	■	■	■	■
Working lights (LED)	■	■	■	■	■

PREMIA^{ES}

PBP16 - 20N3(R)(E) SERIES

POWER PALLET TRUCK

1.6 – 2.0 tonnes



PIN code log in



Load backrest

WHEN RELIABILITY IS EVERYTHING...

Like any product bearing the Logisnext Forklifts name, our materials handling equipment is backed by the engineering expertise, global resources, and continuous innovation of Logisnext — a leading group dedicated to materials handling and intralogistics.

Logisnext brings together advanced truck design, energy solutions, and connected technologies to help businesses move goods more safely, efficiently and reliably... day after day, year after year.

So when we promise you quality, reliability and value for money, you know it's a guarantee we can deliver.

That's why every model in our award winning and comprehensive range of lift trucks and warehouse equipment is built to a high specification — to ensure it keeps working for you. Whatever the job. Whatever the conditions.

You'll never work alone

As your local authorised distributor, we are here to keep your trucks working, through our extensive experience, our technical excellence, and our commitment to customer care.

We are your local experts, backed by the wider Logisnext Forklifts organisation and the connected support of the Logisnext group.

No matter where you are, help is close by.



PREMIA THE NUMBER ONE



Number one for reliability... number one for productivity... whatever the conditions.

Compact, efficient and resilient, PREMIA powered pallet trucks meet every need.

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Specifications are indicative and may vary depending on operating conditions. Failure to assess all factors may result in performance deviations.

All relevant sales support materials and technical expertise of the official distributor must be considered when identifying the best product/solution. Options and technical details may change without notice. Full legal notice and up-to-date product information: logisnext-forklifts.eu

WESL2787 (09/26)

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