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Doosan Logistics Warehouse Equipment

Pallet Trucks - Stackers - Order Pickers - Reach Truck



Lifting your Dreams



About Doosan

VALUES THAT DRIVE OUR FUTURE GROWTH

Trust in people is the foundation on which Doosan has built its century of success.

Doosan has always put 'People' first for the past 100 years, in line with our management philosophies. "Business is not meant to make profits, but to help people grow," - our late First Chairman, Too Pyung Park - "and continues to spur corporate development with global competitiveness originated from human resources."

Doosan - the oldest and fastest growing company

Doosan has recorded the longest business history since its inauguration in 1896, but has grown at its most rapid pace for the past 10 years.

Doosan - the global Infrastructure Support Business (ISB) company

Doosan has developed over 90% of its sales within the ISB sector through vigorous reorganization of its business portfolio since 1998.

In the past, 70% of our business came from the consumer goods sector, but we have successfully transformed our business DNA to the infrastructure support business that constructs and reinforces social infrastructure.

Doosan, surging as a global company

Doosan has become the global ISB leader based on its world class products and services. In addition, as a truly global company, Doosan's overseas employees make up over 50% of its entire human resources and overseas sales account for more than 60% of our total sales volume.



Our Products

POWERFUL WAREHOUSE EQUIPMENT

Doosan meets your warehousing needs

Doosan Logistics Europe (DLE), located in Germany, designs and manufactures a comprehensive range of equipment for your warehousing needs. The range is completed with the Euro Reach Truck, produced in our factory in South Korea.

Rugged, reliable machines to ensure low equipment lifetime costs

Building rugged and reliable, yet simple machines, has allowed us to become a leading provider of material handling equipment. By adding high specification features, and proven technology, our aim is to increase your productivity whilst lowering equipment lifetime costs.

Specialist manufacturing focused on industry needs

Our specialist facility in Germany designs and builds all pedestrian and platform products. Located near Berlin, Doosan manufactures a range of equipment, complete with electronic AC systems, traction control and modern energy management, aimed at freight forwarding, beverage and air cargo industries, as well as the general warehouse sector.

The production facility in South Korea focuses on manufacturing the Euro Reach Truck, equipped with numerous safety features, latest technology AC electronic systems including 360- and 180-degree steering, height and weight indicators in addition to many other features.



Doosan Logistics Europe (DLE), Germany



Production in Korea

High quality, well-considered design ensures our products' long life

Doosan Logistics Europe GmbH (former Lafis) is a company with more than 25-years warehouse equipment production experience.

All our products deserve to carry the label "Made in Germany" and our specialist teams ensure the highest quality of our products at each stage of the manufacturing process.

At the same time, our products enjoy high durability and long life as a result of our commitment to limiting the usage of plastic for the cover parts to a minimum. This lowers your total cost of ownership resulting in savings within your company.

Our manufacturing efforts are focusing on:

- Constant improvement of our product components in accordance with latest technological standards.
- Availability of large number of equipment options and performance features.
- Development and production of bespoke machines.

Our wide and modern product range is structured by application type and includes pallet trucks, stackers, order pickers as well as numerous special machines and cargo equipment.



Our Product Range

POWERFUL WAREHOUSE EQUIPMENT



Series	Model	Capacity (kg)
Pallet Trucks		
LEDH	LEDH 18	1,800
	LEDH 20	2,000
	LEDH 20M	2,000
	LEDH 20 MP	2,000
	LEDH 20 MP-R	2,000
	LEDH 20 MP-S	2,000
	LEDH 22	2,200
	LEDH 25M	2,500
	LEDH 30M	3,000
	LEDH 40	4,000
	LEDH 50	5,000
Stackers		
LEDS	LEDS 10C	1,000
	LEDS 12.5C	1,250
	LEDS 14C	1,400
	LEDS 16C	1,600
	LEDS 14	1,400
	LEDS 16	1,600
	LEDS 16IP	1,600
	LEDS 20	2,000
	LEDD	LEDD 12.5/18
LEDD 12.5/20		2,000
LEDD 20MP		2,000
LEFD	LEFD 12.5/20	2,000
Order Pickers		
LEK	LEKF 20	2,000
	LEKH 20	2,000
	LEKX 20	2,000
Reach Trucks		
BR	BR14JW-7 Plus	1,400
	BR16JW-7 Plus	1,600

Our Strengths

ROBUST , PRECISE ENGINEERING WITH A FOCUS ON ERGONOMICS



Optimized for operator comfort

Easy pallet entry/exit
Contoured fork design and tandem load wheels allow for easy entry and exit of palletised loads.

Clear instrumentation
Easy-to-read instrument panel, displays all key truck parameters and settings.

Emergency stop
Large button with 'push away' safety function, safeguarding users when operating the pallet truck.

Tiller control
Ergonomically designed tiller arm with dual butterfly switches, facilitating use by right or left handed operators. Integrated turtle buttons restricts travel speed when manoeuvring in tighter areas.



Built for long-term performance

Robust construction
Our heavy duty construction utilizes thick gauge steel, ensuring minimal damage potential and eliminating vulnerable plastic parts, thus lowering lifetime costs. This low total cost of ownership makes our warehouse range perfect for even the toughest applications.

Chassis design
Compact and stable chassis for maximum manoeuvrability, even in the tightest of spaces, operators can comfortably operate the pallet truck safely.

Combined bearings
All machines are fitted with combined bearing to increase the durability and precision.

It's a Doosan
The world's leading value forklift truck brand and the only major manufacturer to offer two leading ranges of trucks – the high spec 7-Series and economy GX series.



Technology that works

AC power
Fully programmable performance parameters give total customization of acceleration, top speed and braking.

Proportional Valve for lifting and lowering
Incremental lifting and lowering speed ensures smooth operating and safeguards the load.

Roll out battery
Nylon rollers allow the battery to be removed with little effort, making battery exchange simple and safe.

Override upright tiller arm lock
Override button allows the operator to drive the machine with tiller arm in upright position.

Pallet Trucks

YOUR SKILLFUL WEIGHT LOADER

No matter what products, pallets or loads you need to transport, Doosan Logistics Europe has the perfect solution for you.

With our durable pallet trucks, you can transport loads up to 5 tons. Furthermore, you can maximise productivity, whilst maintaining your operator's safety, you can choose from a fold-down platform, or adding side or rear protection.

Our Pallet Trucks come as standard equipped with:

- Low noise and maintenance-free AC motors
- Regenerative braking system
- Energy saving and sensitive proportional hydraulic system
- Multi-functional display to monitor energy and machine status
- Override button allows control over the pallet truck even when the tiller arm is in the vertical position
- „Turtle“ speed button
- Tandem Vulkollan load wheels*
- Large Vulkollan drive wheel

Available options

- Integrated charger*
- Different energy packages based on your application
- Electrical power steering*
- Different models of drive tire
- Various fork dimensions (length and width)
- Cold store protection down to -30°C*
- Stainless steel axle and bolts*
- Eco Smart display with integrated key pad security function

*applicable only to certain models



HPT - hand pallet truck
Capacity: 2500 kg
Lift height: 200 mm
Overall width: 520 mm



LEDH 18 / LEDH 20 / LEDH 22
Capacity: 1800 / 2000 / 2200 kg
Lift height: 205 mm
Overall width: 660 mm
Pedestrian, Off-Set Drive Unit



LEDH 20M
Capacity: 2000 kg
Lift height: 205 mm
Overall width: 660 mm
Pedestrian, Centre Drive Unit



LEDH 20MP
Capacity: 2000 kg
Lift height: 205 mm
Overall width: 700 mm
Ride-on Platform, Centre Drive Unit



LEDH 20MP-S
Capacity: 2000 kg
Lift height: 205 mm
Overall width: 700 mm
Ride-on, Side Protection



LEDH 20MP-R
Capacity: 2000 kg
Lift height: 205 mm
Overall width: 700 mm
Ride-on, Rear Protection



LEDH 25M / LEDH 30M
Capacity: 2500 / 3000 kg
Lift height: 205 mm
Overall width: 700 mm
Pedestrian, Centre Drive Unit



LEDH 40 / LED 50
Capacity: 4000 / 5000 kg
Lift height: 210 mm
Overall width: 690 mm
Pedestrian, Centre Drive Unit

Stackers

ROBUST ALL-ROUND ASSISTANT

The Stackers product range is divided into three main categories, depending on manoeuvrability, lifting height and functionality.

- The compact line has a narrow chassis, which makes it ideally suited to operate in tight conditions.
- The heavy line is designed to provide a more stable structure, perfectly suitable to lift loads up to 5.4m.
- Productivity can be doubled, thanks to our range of double stackers.

Our Stackers and Double Stacker come as standard equipped with:

- Low noise and maintenance-free AC motors
- Regenerative braking system
- Energy saving and sensitive proportional hydraulic system
- Multi-functional display to monitor energy and machine status
- „Turtle“ speed button
- Shock-free lowering of load using a hydraulic damper
- Tandem Vulkollan load wheels*
- Large Vulkollan drive wheel

Available options

- Initial lift
- Battery Roll-in/Roll-out system*
- Integrated charger*
- Different energy packages based on your application
- Electrical power steering*
- Cold store protection down to -30°C*
- Stainless steel axle and bolts*
- Trolley for battery Roll-in/Roll-out system
- Eco Smart display with integrated key pad security function

*applicable only to certain models



COMPACT LINE



LEDS 10C / LEDS 12.5C

Capacity: 1000 / 1250 kg
Lift height: 1790 – 3290 mm
Overall width: 660mm



LEDS 14C

Capacity: 1400 kg
Lift height: 1790 – 3290 mm
Overall width: 700mm



LEDS 16C

Capacity: 1600 kg
Lift height: 1790 – 2490 mm
Overall width: 700 mm

HEAVY LINE



LEDS 14 / LEDS 16

Capacity: 1400 / 1600 kg
Lift height: 2890 – 4790 mm
Overall width: 790 mm



LEDS 16IP

Capacity: 1600 kg
Lift height: 2890-4790 mm
Overall width: 880 mm



LEDS 20

Capacity: 2000 kg
Lift height: 2890 – 5390 mm
Overall width: 880 mm

DOUBLE STACKERS



LEDD 12.5/18 / LEDD 12.5/20

Capacity: 1250 / 1800 - 2000 kg
Lift height: 1790 – 2490 mm
Overall width: 660 mm



LEDD 20MP

Capacity: 1250 / 2000 kg
Lift height: 1790 – 2090 mm
Overall width: 700 mm



LEFD 12.5/20

Capacity: 1250 / 2000 kg
Lift height: 1790 mm
Overall width: 800 mm

Order Pickers

EFFICIENT ORDER PICKING WITH
MAXIMUM OPERATOR COMFORT

For each order picking application, DLE offers a well-equipped machine to help you increase your productivity.

The order picker with scissor-lift offers the flexibility to raise the forks to the optimal working height.

Our Order Pickers come as standard equipped with:

- Low noise and maintenance-free AC motors
- Electrical power steering
- Regenerative braking system
- Energy saving and sensitive proportional hydraulic system
- Multi-functional display to monitor energy and machine status
- Battery Roll-in/Roll-out system
- Tandem Vulkollan™ load wheels
- Large Vulkollan™ drive wheel

Available options

- Different energy packages based on your application
- Various fork lengths
- Cold store protection down to -30°C
- Trolley for battery Roll-in/Roll-out system
- Eco Smart display with integrated key pad security function
- “Quick Pick” pedestrian operated buttons* to move the truck to the next picking location without having to get onto the machine, maximizing productivity

*applicable only to certain models



LEKF 20
Capacity: 2000 kg
Fork length: 2390 mm
Overall width: 700 mm



LEKH 20
Capacity: 2000 kg
Fork length: 2350 mm
Overall width: 760 mm



LEKX 20
Capacity: 2000 kg
Lift height: 700 mm
Fork length: 2350 mm
Overall width: 795 mm

Options

DOOSAN WAREHOUSE EQUIPMENT COMES WITH A WIDE RANGE OF OPTIONS, TO FIT PERFECTLY TO YOUR NEEDS.



Battery changing trolley



Side battery change



Drive wheel PEVOSOFT



Tandem load rollers



Folding tiller arm



"Turtle speed" switch



EcoSmart display

Description	Pallet Trucks					Stackers Compact Line				Stackers Heavy Line				Double Stackers			Order Pickers		
	LEDH18/20/22	LEDH20M	LEDH20MP	LEDH25M/30M	LEDH40/50	LEDS10C	LEDS12.5C	LEDS14C	LEDS16C	LEDS14	LEDS16	LEDS16IP	LEDS20	LEDD12.5/18	LEDD12.5/20	LEDD20MP	LEFD12.5/20	LEKF20	LEKH20

● = standard
○ = optional

BATTERY CHANGE

Battery changing trolley for 2 batteries	○	○	○			○	○	○	○	○	○	○				○		○	○	○
Battery changing trolley for 3 batteries			○	○												○		○	○	○
Side battery change	○	●	●			○	○	●	●	●	●	●				●		●	●	●

WHEELS AND ROLLERS

Drive wheel PEVOSOFT	○	○												○						
Vulkollan drive wheel with tread	○	○				○	○	○	○	○	○	○		○						
Tandem load rollers						○	○													
Support wheel with adjustable working height						○	○	○	○	○	○	○								
Support wheel with double roller											○									

CHARGING

Additional power socket	○					○	○							○						
Integrated charger 24V/30A	○	○				○	○							○						

SAFETY FEATURES

Speed reduction when mast is lifted over 1m height			●							○	○							○	○	○
Speed reduction kit for cornering			○													○				
Fixed platform, fixed side protection			○													○				
Fixed platform, fixed rear protection			○													○				

STEERING

Mechanical steering	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Electrical steering, incl. speed reduction whilst cornering			●								●					●	●	●	●	●
"Quick Pick" drive function - forward and backward																		●	●	●
"Quick Pick" drive function - lifting and lowering																		●	●	●

BRAKES

Brake with emergency release lever	○					○	○	○	○	○	○	○		○						
Encapsulated brake	○	○	○*			○	○	○	○	○	○	○		○						

LOAD BACKREST

Load backrest 1000 mm										○	○									
Load backrest 1400 mm	○	○																		
Load backrest 1700 mm	○	○	○																	

OTHER OPTIONS

"Turtle speed" switch	●	●	●	●	●															
Folding tiller arm	○																			
Eco Smart display with integrated key pad security function	○	○	○	○	○												●	○	○	○
Chassis for 3EPzS Battery, max.375Ah; L2=810 mm																				
Initial lift, simplex or duplex-mast, L2=925mm										○	○									
Initial lift, triplex-mast, L2=925mm										○	○									

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* only for electrical steering

Reach Truck

PERFORMANCE COMBINED WITH OPERATOR COMFORT

The combination between performance features - such as AC technology and high precision mast design- on the one hand and personal performance setting –such as ergonomic controls and highest level of operator comfort indicators- on the other hand define the Doosan Reach Truck as the machine adapted to your needs whilst deliver the performance you require.

Our Reach Trucks come as standard equipped with:

- Low noise and maintenance-free AC motors
- Multi-functional graphical display provides truck status data and dynamic information
- Pre-selection for performance settings
- 180°/360° steering options
- Integral side-shift
- High stability mast with excellent visibility

Available options

- Camera system
- Height indicator & height pre-selector
- Battery roll in/roll out
- Rear view mirror



BR14JW-7 / 16JW-7 Plus

Capacity: 1400 / 1600 kg
Lift heights up to 9.410 mm
Seated, 48V



Cargo Handling

FLEXIBLE SOLUTION FOR AIRPORT LOGISTICS

The DONKEY is an electric pallet truck designed for the horizontal transport of unit load devices (ULD's) weighting up to 7,500 kg on slave pallets with a system height of 508 mm.

These machines are ideally suited to in-house cargo handling. In connection with slave pallets, our pallet master (DONKEY) is used as a ULD handling-system for flexible operations in large, airport warehouses. It is a carrier between land and air-side.

The DONKEY transports ULD's on all common slave pallet types safely and quickly and covers the whole range of the indoor transport of air cargo pallets.

The biggest advantage when comparing these with other transport systems, is that the Doosan machines offer a much more flexible solution, able to be used in the whole indoor area without the need for expensive, inflexible stationary conveyor equipment.





Customer Support

Global Network | Parts | Human Resources

Doosan service is only a phone call away, and the difference is your local Doosan service company will know you by name and will be able to respond quickly when you need them.

No long distance call centres and more importantly, we have thousands of fully equipped and factory trained mobile engineers across the globe.

All Doosan machines are built with serviceability in mind and by using the latest industrial engines and applying our philosophy of more metal than plastic, we can keep your servicing costs down to a minimum and reduce your damage bills.

We aim to provide the highest levels of service at affordable prices with a local agent you can rely on just around the corner.

We hold a large stock of popular new machines in our PDI facilities in the US, Europe and elsewhere. Our Parts Distribution Centres are fully stocked with all the parts you need throughout the life

of your forklift and we actively encourage end users to visit our offices to see first-hand our products and after-sales support we offer to all our customers.

Doosan Genuine Parts offer unrivalled reliability and productivity and are guaranteed to ensure you make the most of your investment.



Parts Distribution Centre in Sint-Niklaas, Belgium

Technical Specifications

	Base capacity	Fork length	Overall width	Forks lowered height	Turning radius	Lift height	Battery 24V capacity	
	kg	mm	mm	mm	mm	mm	Ah	
Pallet trucks								
LEDH 18	1800	1195	660	85	1490	205	160-250	
LEDH 20	2000	1195	660	85	1490	205	160-250	
LEDH 20M	2000	1195	660	85	1490	205	160-250	
LEDH 20MP	2000	1150	700	85	1675	205	335-375	
LEDH 20MP-R	2000	1150	700	85	2280	205	335-375	
LEDH 20MP-S	2000	1150	700	85	2190	205	335-375	
LEDH 22	2200	1195	660	85	1490	205	160-250	
LEDH 25M	2500	1150	700	85	1640	205	230	
LEDH 30M	3000	1150	700	85	1640	205	230	
LEDH 40	4000	1190	690	90	1630	210	160-320	
LEDH 50	5000	1190	690	95	1630	210	360	
Stackers								
COMPACT LINE								
LEDS 10C	1000	1195	660	90	1500	1790-3290	160-250	
LEDS 12.5C	1250	1195	660	90	1500	1790-3290	160-250	
LEDS 14C	1400	1195	700	90	1490	1790-3290	160-250	
LEDS 16C	1600	1195	700	90	1490	1790-2490	160-250	
HEAVY LINE								
LEDS 14	1400	1195	790	90	1490	2890-4790	230-375	
LEDS 16	1600	1195	790	90	1490	2890-4790	230-375	
LEDS 16IP	1600	1195	880	90	1780	2890-4790	375-500	
LEDS 20	2000	1195	880	90	1575	2890-5390	375-500	
DOUBLE STACKERS								
LEDD 12.5/18	1800	1200	660	90	1670	1790-2490	160-250	
LEDD 12.5/20	2000	1200	660	90	1670	1790-2490	160-250	
LEDD 20MP	2000	1195	700	90	1900	1790-2090	335-375	
LEFD 12.5/20	2000	1195	800	90	1899	1790	460-620	
Order pickers								
LEKF 20	2000	2390	700	85	3170	210	335-375	
LEKH 20	2000	2390	700	90	2845	210	335-375	
LEKX 20	2000	2350	700	90	2850	700	335-375	
	Base capacity	Load centre	Overall length	Overall width	Overhead guard height	Turning radius	Lift height	Battery 48V capacity
	kg	Mm	mm	mm	mm	mm	mm	Ah
Reach Trucks								
BR14JW-7 Plus	1400	600	2398-2533	1268/1270	2185	1661	5000-9410	420-700
BR16JW-7 Plus	1600	600	2398-2533	1268/1270	2185	1708	5000-9410	420-700



Meet the rest of the Doosan Family



I.C. Truck

Diesel	1.5t-25.0t
LPG	1.5t-7.0t
Cushion	1.5t-5.5t



Electric Counterbalanced Truck

3 wheel	1.3t-2.0t
4 wheel	1.5t-5.0t
Cushion	1.5-3.2t

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Doosan Industrial Vehicle Europe

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