



WAREHOUSE EQUIPMENT

Pallet Trucks - Stackers - Order Pickers - Reach Trucks



Leading the way

The new world class warehouse equipment continue to follow the core Doosan tradition of delivering simple, powerful performance, whilst most of all, delivering the best possible value for our customers.

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.

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. Thanks to an improved durable design, Doosan’s new warehouse equipment exceeds the highest demands for safe operation.

“
Higher lifting and travel speed
helps me to complete my job
efficiently
”

- PRODUCTIVITY**
- Easy pallet entry/exit
 - Proportional valve for lifting and lowering
 - Roll out battery



“
The robustness of Doosan gets
the toughest of jobs done
”

- RELIABILITY**
- Robust construction
 - Reliable AC power
 - Combined bearings



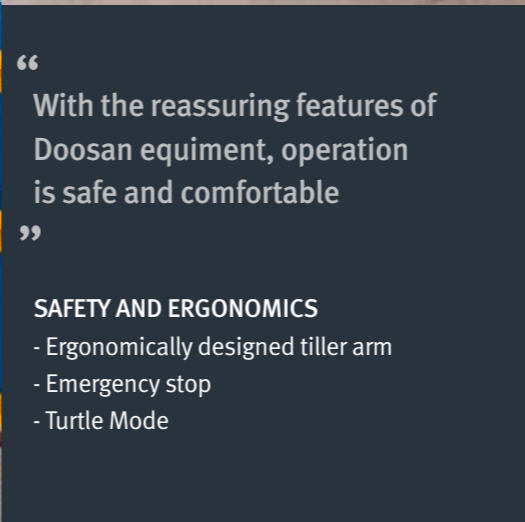
“
The Doosan service support
network has never let me down
”

- SERVICEABILITY**
- Doosan service network coverage
 - Quick service response

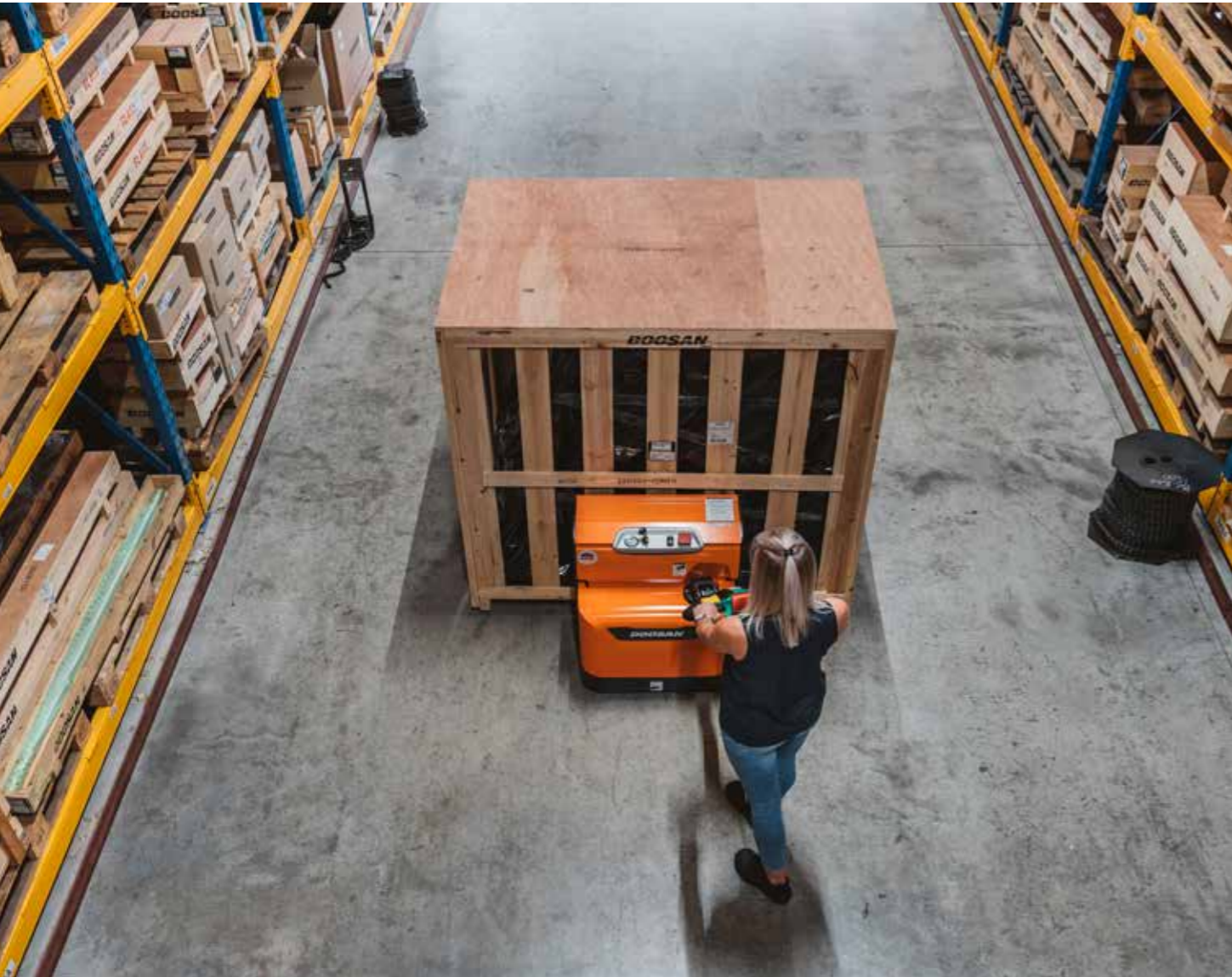


“
With the reassuring features of
Doosan equiment, operation
is safe and comfortable
”

- SAFETY AND ERGONOMICS**
- Ergonomically designed tiller arm
 - Emergency stop
 - Turtle Mode



Our Assets



Reliability



Proportional valve for lifting and lowering

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



Compact design

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



AC Power

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



Robust construction

Our heavy duty construction utilizes thick plastic and a metal top cover, ensuring minimal damage, thus lowering lifetime costs. This low total cost of ownership makes our warehouse range perfect for even the toughest applications.



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.



Combined bearings

All stackers are fitted with combined bearing to increase the Reliability and precision.

Productivity



Override upright tiller arm lock

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



Roll out battery (stackers, heavy line)

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



Easy pallet entry/exit

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

Ergonomics



Clear instrumentation

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



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.

Safety



Emergency stop

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

Application



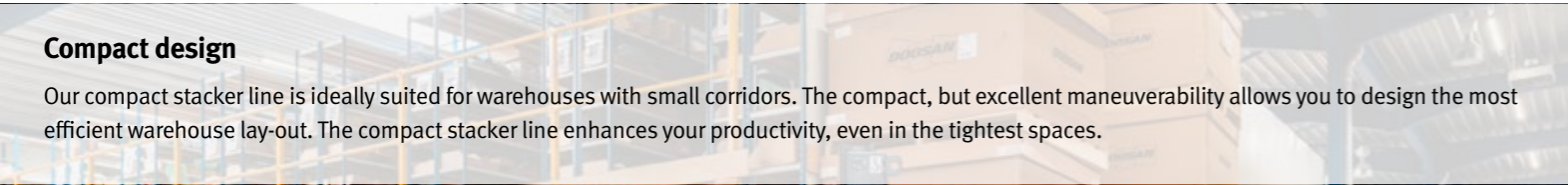
Cold store protection

Most of our machines can be used in freezers up to -30°C (optional). The trucks are equipped with a special frame coating, stainless steel axes and bolts, greasable cross-bearings with a special lubricant, special hydraulic oil and a magnetic brake heating system.



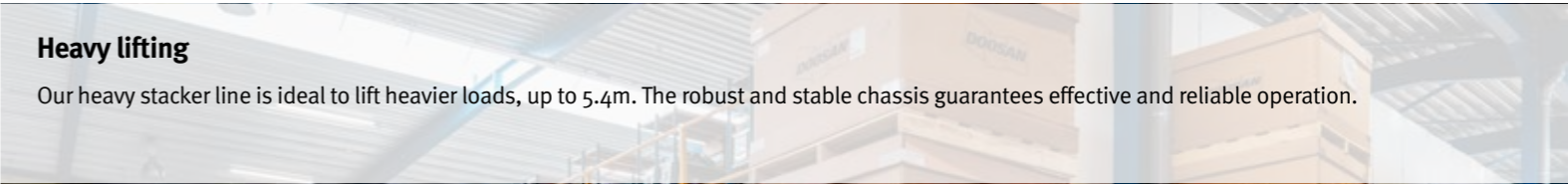
Skillful weight loader

Transport goods up to 5 ton with our wide range of pallet trucks. It is possible to add side or rear protection, which maximizes the operator's safety.



Compact design

Our compact stacker line is ideally suited for warehouses with small corridors. The compact, but excellent maneuverability allows you to design the most efficient warehouse lay-out. The compact stacker line enhances your productivity, even in the tightest spaces.



Heavy lifting

Our heavy stacker line is ideal to lift heavier loads, up to 5.4m. The robust and stable chassis guarantees effective and reliable operation.



Product Range

Model			Capacity (kg)		
PALLET TRUCKS					
Manual pallet truck					
HPT			2,500		
Electric pallet truck (lithium)					
LPM15N-7	LPM20N-7		1,500	2,000	
Electric pallet truck (lead-acid)					
BPL18S-7	BPL20S-7		1,800	2,000	
BPM20S-7			2,000		
LEDH 20 MP	LEDH 20 MP-R	LEDH 20 MP-S	2,000		
LEDH 25 M		LEDH 30 M	2,500	3,000	
LEDH 40		LEDH 50	4,000	5,000	
LEFH20			2,000		
STACKERS					
Compact Line					
BSL10S-7C		BSL13S-7C	1,000	1,250	
LEDS14C		LEDS16C	1,400	1,600	
Heavy Line					
BSL14S-7	BSL16S-7	BSL20S-7	1,400	1,600	2,000
LEDS 16 IP			1,600		
LEFS12.5			1,250		
Double Stackers					
BDL13S-7		BDL13S-7H	1,250/1,800 (top forks/total)		1,250/2,000 (top forks/total)
LEDD 12.5/20 MP			1,250/2,000 (top forks/total)		
LEFD 12.5/20			1.250/2,000 (top forks/total)		
ORDER PICKERS					
LEKF 20			2,000		
LEKH 20			2,000		
LEKX 20			2,000		
CARGO HANDLING SOLUTIONS					
LEHF75D			7,500		
REACH TRUCKS					
BR14JW-7 Plus		BR16JW-7 Plus	1,400	1,600	

MAXIMUM PRODUCTIVITY

- Easy pallet entry/exit
- Proportional valve for lifting and lowering
- Roll out battery
- Override upright tiller arm lock

OPTIMAL ERGONOMICS

- Easy to read instrument panel
- Ergonomically designed tiller arm

GREAT SERVICEABILITY

- Worldwide service network
- Doosan genuine parts

SAFETY

- Great stability
- Turtle mode
- Emergency stop

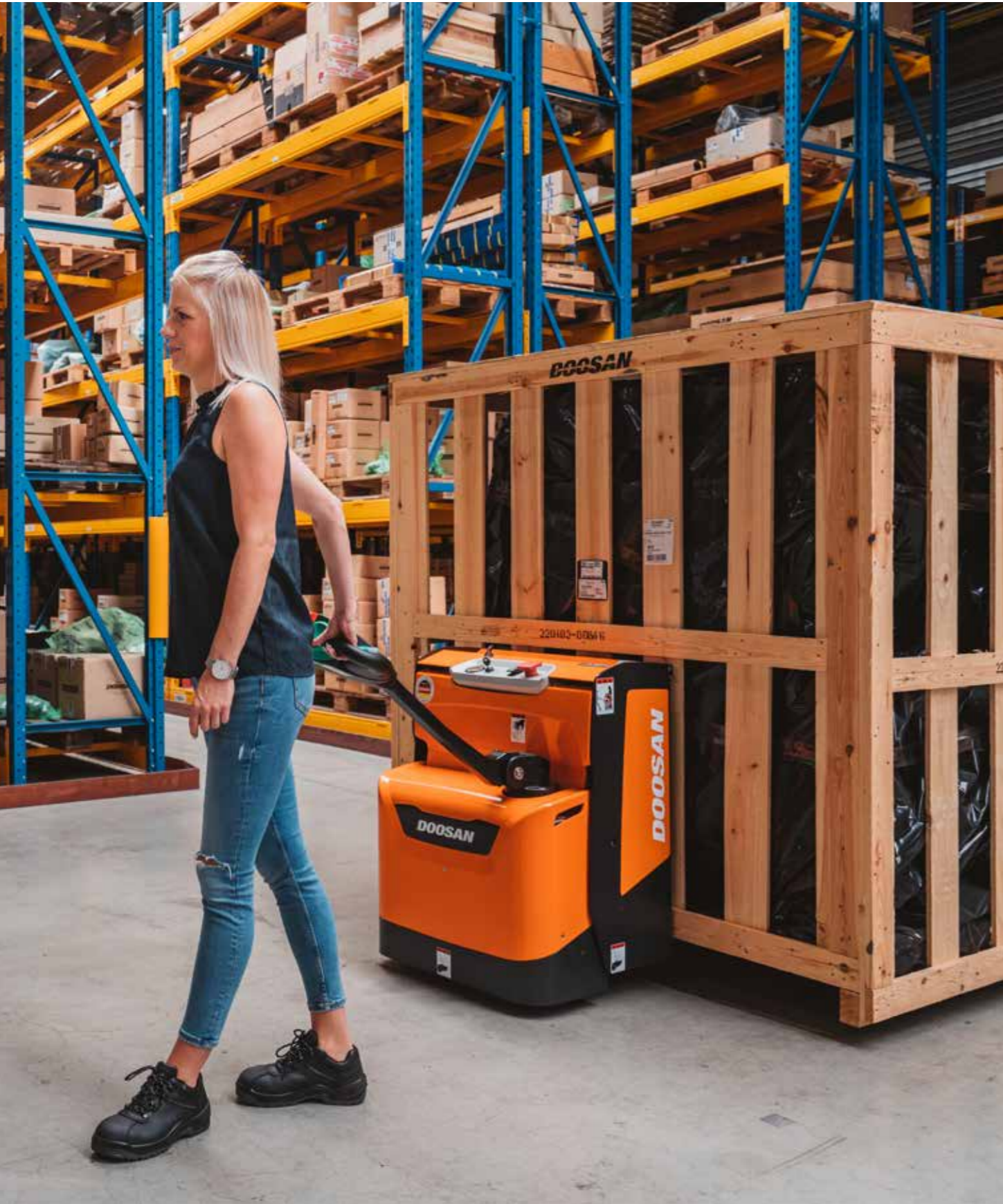
EXCELLENT RELIABILITY

- Robust construction
- Combined bearings (only for stackers)
- AC Power



Pallet Trucks

No matter what products, pallets or loads you need to transport, Doosan has the perfect solution for you. With our durable pallet trucks, you can transport loads up to 5 tons. Furthermore, you can maximize productivity, whilst maintaining your operator’s safety. You can choose from a fold-down platform, or adding side or rear protection.



- Capacity
- Lift height
- Overall width



HPT - Hand Pallet Truck

- 2,500 kg
- 200 mm
- 520 mm



LPM15/20N-7

- 1,500 -2,000 kg
- 115 mm
- 540 mm
- Pedestrian
Centre Drive Unit



BPL18/20S-7

- 1,800 /2,000 kg
- 120 mm
- 660 mm
- Pedestrian
Off-Set Drive Unit



BPM20S-7

- 2,000 kg
- 120 mm
- 660 mm
- Pedestrian
Centre Drive Unit



LEDH 20 MP

- 2,000 kg
- 120 mm
- 700 mm
- Ride-on Platform,
Centre Drive Unit



LEDH 20MP-S

- 2,000 kg
- 120 mm
- 700 mm
- Ride-on,
Side protection



LEDH 20MP-R

- 2,000 kg
- 120 mm
- 700 mm
- Ride-on,
Rear protection



LEDH 25 M / 30M

- 2,500 / 3,000 kg
- 120 mm
- 700 mm
- Pedestrian,
Centre Drive Unit



LEDH 40 / 50

- 4,000 / 5,000 kg
- 120 mm
- 690 mm
- Pedestrian,
Centre Drive Unit



LEFH20

- 2,000 kg
- 115 mm
- 800 mm
- Stand-in

Standard Features and Optional Extras

- Standard
- Option

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	

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*	
Steel cover*	

Only applicable to electric lead-acid pallet trucks, not for LEFH20.
* applicable only to certain models

Stackers

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



COMPACT LINE

Has a narrow chassis, which makes it ideally suited to operate in tight conditions.



BSL10/13S-7C

- Capacity 1,000 / 1,300 kg
- Lift height 1,790 - 3,590 mm
- Overall width 660 mm



LEDS14/16C

- Capacity 1,400 / 1,600 kg
- Lift height 1,790 - 3,290 mm
- Overall width 1,790 - 2,490 mm
- 700 mm

HEAVY LINE

Is designed to provide a more stable structure, perfectly suitable to lift loads up to 5.4m.



BSL14/16S-7

- Capacity 1,400 / 1,600 kg
- Lift height 2,890 - 5,390 mm
- Overall width 790 mm



LEDS 16 IP

- Capacity 1,600 kg
- Lift height 2,890 - 4,790 mm
- Overall width 880 mm



BSL20S-7

- Capacity 2,000 kg
- Lift height 2,890 - 5,390 mm
- Overall width 880 mm



LEFS12.5

- Capacity 1,250 kg
- Lift height 2,890 mm
- Overall width 800 mm

DOUBLE STACKERS

Productivity can be doubled, thanks to our range of double stackers.



BDL13S-7
BDL13S-7H

- Capacity 1,250 / 1,800 kg
- 1,250 / 2,000 kg
- Lift height 690 - 2,490* mm
- Overall width 660 mm



LEDD 12.5/20 MP

- Capacity 1,250 / 2,000 kg
- Lift height 1,790 - 2,090 mm
- Overall width 700 mm



LEFD 12.5/20

- Capacity 1,250 / 2,000 kg
- Lift height 1,790 mm
- Overall width 800 mm

* only for BDL13S-7

Standard Features and Optional Extras

- Standard
- Option

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

Not applicable for LEFS12.5 and LEFD12.5/20.
* applicable only to certain models

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

Order Pickers

For each order picking application, Doosan 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.



- Capacity
- Lift height
- Overall width
- Fork length



LEKF 20

- 2,000 kg
- 120 mm
- 700 mm
- 2,390 mm



LEKH 20

- 2,000 kg
- 120 mm
- 700 mm
- 2,390 mm



LEKX 20

- 2,000 kg
- 700 mm
- 765 mm
- 2,350 mm

Standard Features and Optional Extras

- Standard
- Option

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

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


* applicable only to certain models

Options

Doosan warehouse equipment comes with a wide range of options, to fit perfectly to your needs.



* not necessary to order with electrical steering
 ** only available for chassis with 1,790mm mast
 *** only for electrical steering
 **** only available with FF Mast

 Standard
 Option

Description
BATTERY CHANGE
Battery changing trolley for 2 batteries
• Battery changing trolley for 3 batteries
• Battery Roll-in/Roll-out system
WHEELS AND ROLLERS
• Drive wheel PEVOSOFT™
Vulkollan™ drive wheel with thread
• Tandem load wheels
Stability Caster™ wheels
Support wheel with adjustable working height
Support wheel with double roller
CHARGING
Integrated charger 24V/30A
Integrated charger 24V/40A
SAFETY FEATURES
• Speed reduction when mast is lifted over 1m height
Speed reduction when mast is lifted over 1.6m height
Speed reduction kit for cornering
Fixed platform, fixed side protection
Fixed platform, fixed rear protection
STEERING
Mechanical steering
Electrical steering, incl. speed reduction while cornering
“Quick Pick” drive function - forward and backward
“Quick Pick” drive function - lifting and lowering
BRAKES
• Encapsulated brake
LOAD BACKREST
Load Backrest 1,000 mm
Load Backrest 1,070 mm
Load Backrest 1,220 mm
Load Backrest 1,400 mm
Load Backrest 1,700 mm
OTHER OPTIONS
• Turtle speed switch
• Eco Smart display with integrated key pad security function
Display to monitor energy and machine status
Pin code access and badge access
Chassis for 3EPzS Battery, max 375 Ah, L2 = 810 mm
• Steel cover

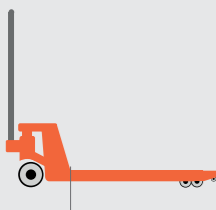
[illegible]

Doosan offers a wide range of forks for pallet trucks.



520 mm
EPAL/Europallet

685 mm
CHEP-pallet



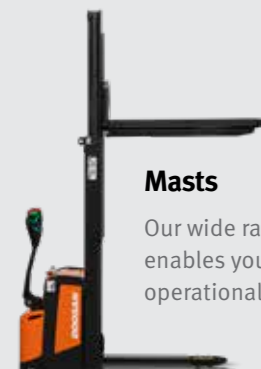
1,150 mm
EPAL/Europallet

800 mm
EPAL/Europallet sideways

910 mm
EPAL/Europallet sideways

1,000 mm
CHEP-pallet

1,220 mm
Heavy loads



Our wide range of masts for stackers enables you to fit perfectly your operational needs.

[illegible]

■ Standard
■ Option

▲ special forks
available on
request

▼ special mast
available on
request

- only for BDL13S-7
- residual capacities at full height: see specification sheet



Cold Store

For most DLE machines, there is a cold store version available, equipped to work properly in environments down to 30° C.

Standard

Option

Description
COLD STORE
Cold store version (down to -30°C)
Special frame coating
Final painting
Stainless steel axles and bolts
Greasable cross-bearings with special lubricant (down to -30°C)
Greasable cross-bearings with special lubricant (down to -50°C)
Special hydraulic oil (down to 30 °C)
Magnetic brake heating system

Pallet Trucks							Stackers Compact Line		Stackers Heavy Line				Double Stackers			Order Pickers		
LPM/1620N-7	BPL18/20S-7	BPM20S-7	LEDH20MP	LEDH 25 / 30 M	LEDH 40 / 50	LEFH20	BSL10/13S-7C	LEDS14/16C	BSL14/16S-7	LEDS 16IP	BSL20S-7	LEFS12.5	BDL13S-7(H)	LEDD 12.5/20 MP	LEFD 12.5/20	LEKF 20	LEKH20	LEKX 20

DOOSAN IS THE PARTNER YOU CAN COUNT ON



Cargo Handling Solutions

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

- Capacity
- Lift height
- Overall width
- Fork length



LEHF75D (Donkey)

- 7,500 kg
- 477 mm
- 1,858 mm
- 2,400 mm

Reach Trucks

The combination between performance features - such as AC technology and high precision mast design - on the one hand and personal performance settings - 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.



BR14JW-7 / 16JW-7 Plus

Capacity: 1,400 / 1,600 kg
Lift heights up to 9,410 mm
Seated, 48V

Standard Features and Optional Extras

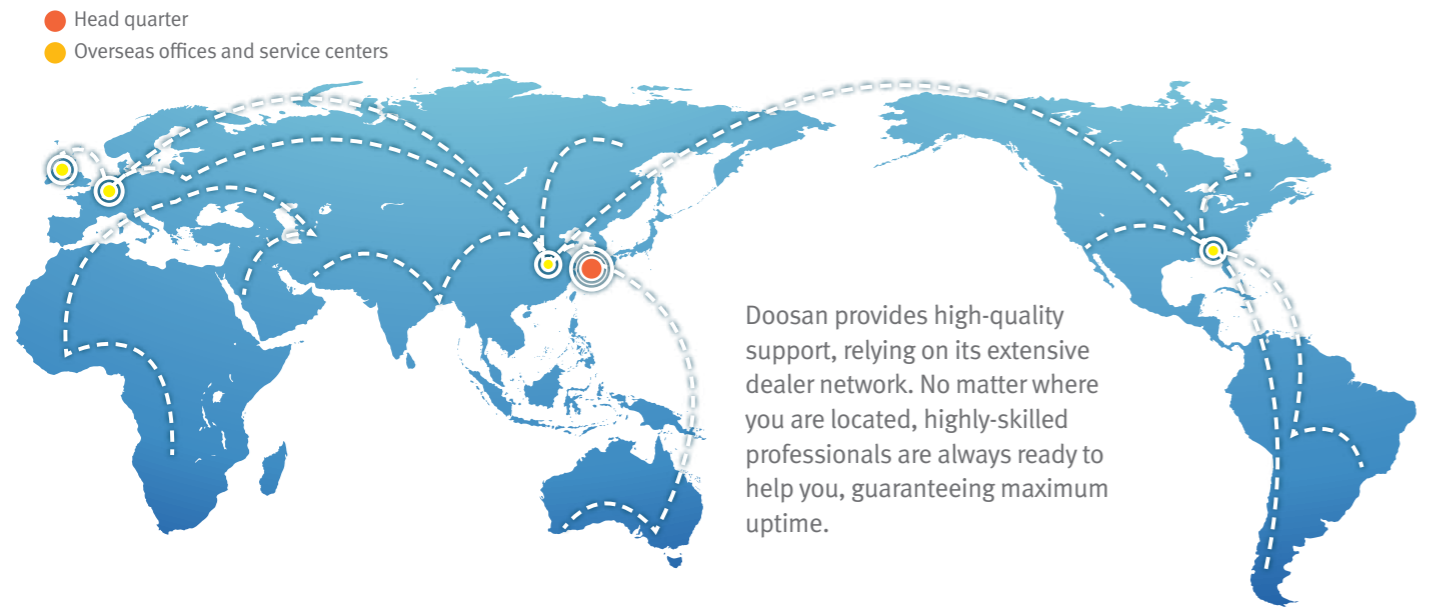
- Standard
- Option

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	

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

Great Serviceability

Worldwide service network



Doosan genuine parts

The parts warehouse supplies high quality Doosan parts to your local dealer.






Technical Specifications

MAJOR SPECIFICATIONS	Base capacity	Fork length	Overall width	Forks lowered height	Turning radius	Lift height	Battery capacity
	kg	mm	mm	mm	mm	mm	Ah (Voltage)
PALLET TRUCKS							
LPM15N-7	1,500	1,150	540	80	1,330	115	20-30 (24V)
LPM20N-7	2,000	1,150	540	80	1,336	115	20 (48V)
BPL18S-7	1,800	1,195	660	85	1,476	120	160-250 (24V)
BPL20S-7	2,000	1,195	660	85	1,476	120	160-250 (24V)
BPM20S-7	2,000	1,195	660	85	1,497	120	160-250 (24V)
LEDH 20 MP	2,000	1,150	700	85	1,705	120	345-375 (24V)
LEDH 20 MP-R	2,000	1,150	700	85	2,279	120	345-375 (24V)
LEDH 20 MP-S	2,000	1,150	700	85	2,309	120	345-375 (24V)
LEDH 25 M	2,500	1,150	700	85	1,640	120	230 (24V)
LEDH 30 M	3,000	1,150	700	85	1,640	120	230 (24V)
LEDH 40	4,000	1,190	690	90	1,630	120	360 (24V)
LEDH 50	5,000	1,190	690	90	1,630	120	360 (24V)
LEFH20	2,000	1,190	800	85	1,780	120	620 (24V)
STACKERS							
Compact Line							
BSL10S-7C	1,000	1,195	660	90	1,481	1,790-3,590	160-250 (24V)
BSL13S-7C	1,250	1,195	660	90	1,481	1,790-3,590	160-250 (24V)
LEDS14C	1,400	1,195	700	90	1,490	1,790-3,290	230 (24V)
LEDS16C	1,600	1,195	700	90	1,490	1,790-2,490	230 (24V)
Heavy Line							
BSL14S-7	1,400	1,195	790	90	1,490	2,890-5,390	230-375 (24V)
BSL16S-7	1,600	1,195	790	90	1,490	2,890-5,390	230-375 (24V)
LEDS 16IP	1,600	1,195	880	90	1,805	2,890-4,790	500 (24V)
BSL20S-7	2,000	1,195	790	90	1,580	2,890-5,390	345-375 (24V)
LEFS12.5	1,250	1,195	800	90	1,688	2,890	620 (24V)
Double Stackers							
BDL13S-7	1,800	1,195	660	90	1,670	690-2,490	160-250 (24V)
BDL13S-7H	2,000	1,195	660	90	1,670	1,790-2,090	160-250 (24V)
LEDD 12.5/20MP	2,000	1,195	700	90	1,900	1,790-2,090	345-375(24V)
LEFD 12.5/20	2,000	1,195	800	90	1,899	1,790	620(24V)
ORDER PICKERS							
LEKF 20	2,000	2,390	700	85	3,181	120	345-375 (24V)
LEKH 20	2,000	2,390	700	85	3,216	120	345-375 (24V)
LEKX 20	2,000	2,350	765	90	2,951	700	345-375 (24V)
CARGO HANDLING SOLUTIONS							
LEHF75D	7,500	2,400	1,858	115	3.185	477	620 (48V)

MAJOR SPECIFICATIONS	Base capacity	Load center	Overall length	Overall width	Overhead guard height	Turning radius	Lift height	Battery Capacity
	kg	mm	mm	mm	mm	mm	mm	Ah (Voltage)
REACH TRUCKS								
BR14JW-7 Plus	1,400	600	2,398-2,533	1,268/1,270	2,185	1,661	5,000-9,410	420-700 (48V)
BR16JW-7 Plus	1,600	600	2,398-2,533	1,268/1,270	2,185	1,708	5,000-9,410	420-700 (48V)



-  Production Subsidiary
-  Sales Subsidiary
-  Parts Depot Center

PSDLE19o8o2V4EN (August 2019)

Authorized Dealer



Doosan Industrial Vehicle Europe nv

Europark-Noord 36A
9100 Sint-Niklaas
Belgium

Tel.: +32 3 760 09 87

Fax: +32 3 760 09 89

Website : www.doosan-iv.eu