



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.

“

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



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.



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

RELIABILITY

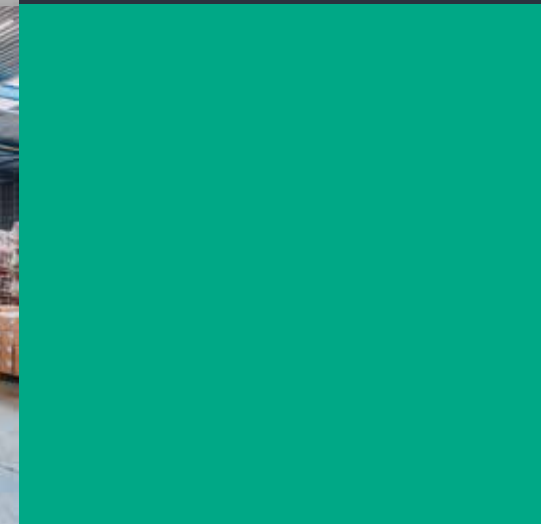
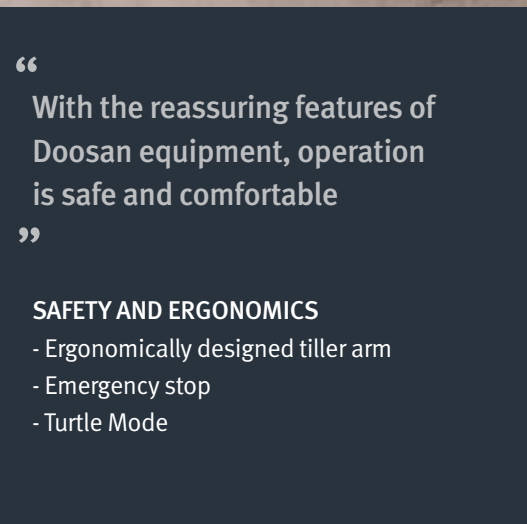
- Robust construction
- Reliable AC power
- Combined bearings



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

SERVICEABILITY

- Doosan service network coverage
- Quick service response

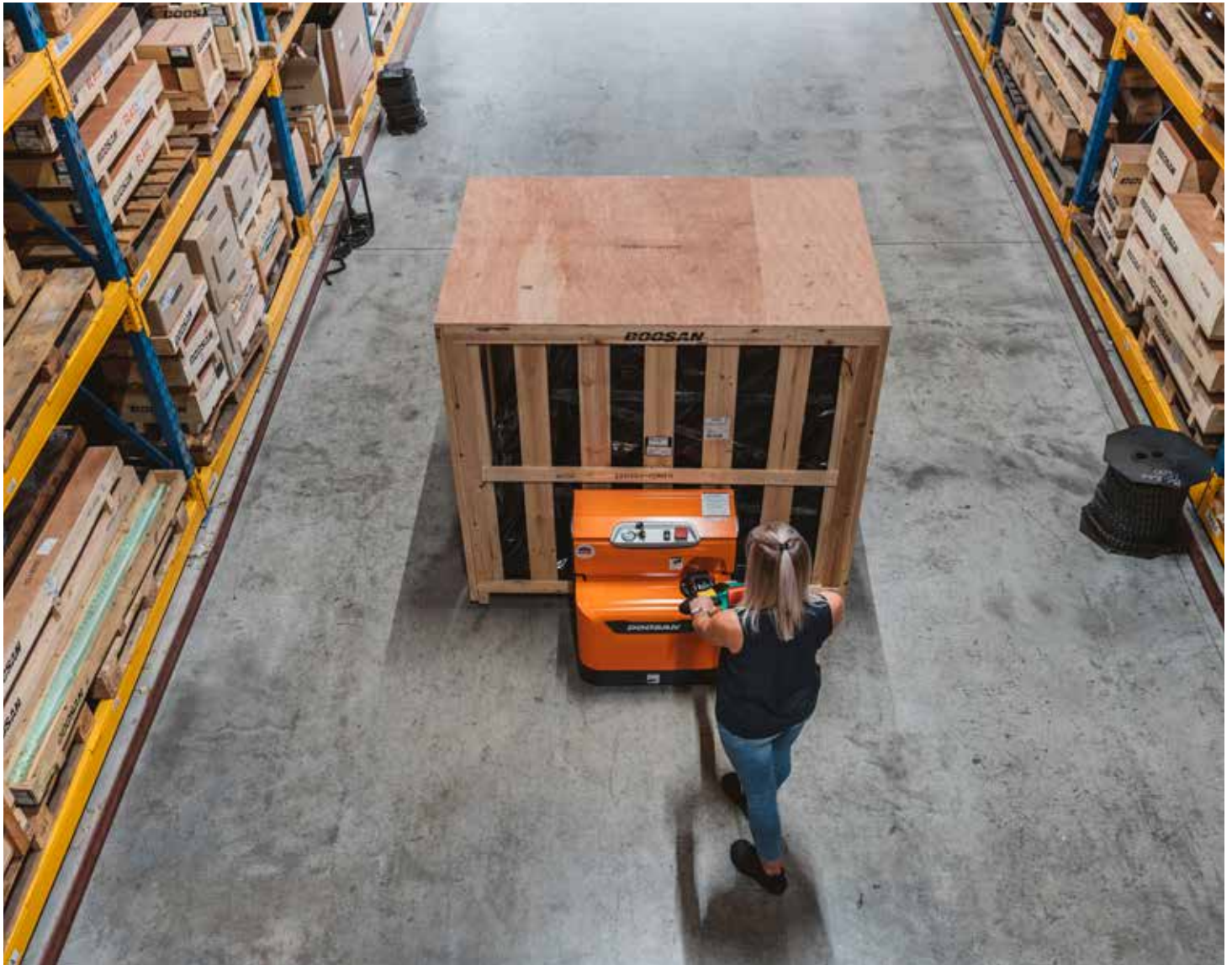


“
With the reassuring features of
Doosan equipment, operation
is safe and comfortable
”

SAFETY AND ERGONOMICS

- Ergonomically designed tiller arm
- Emergency stop
- Turtle Mode

Our Assets



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.



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.

Reliability



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.

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.

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.





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.

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

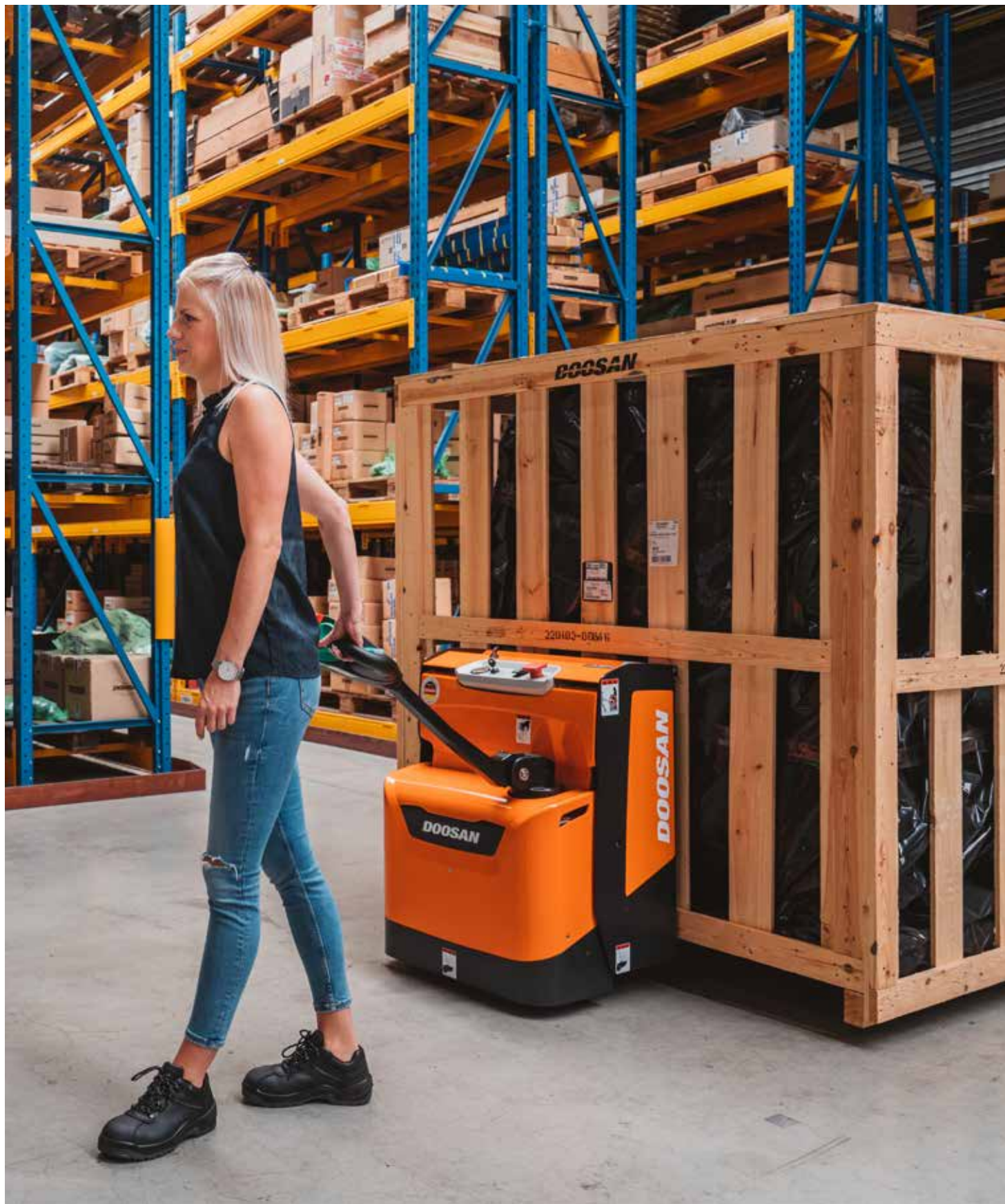
- Great stability
- Turtle mode
- Emergency stop




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 tonnes. 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.





 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	

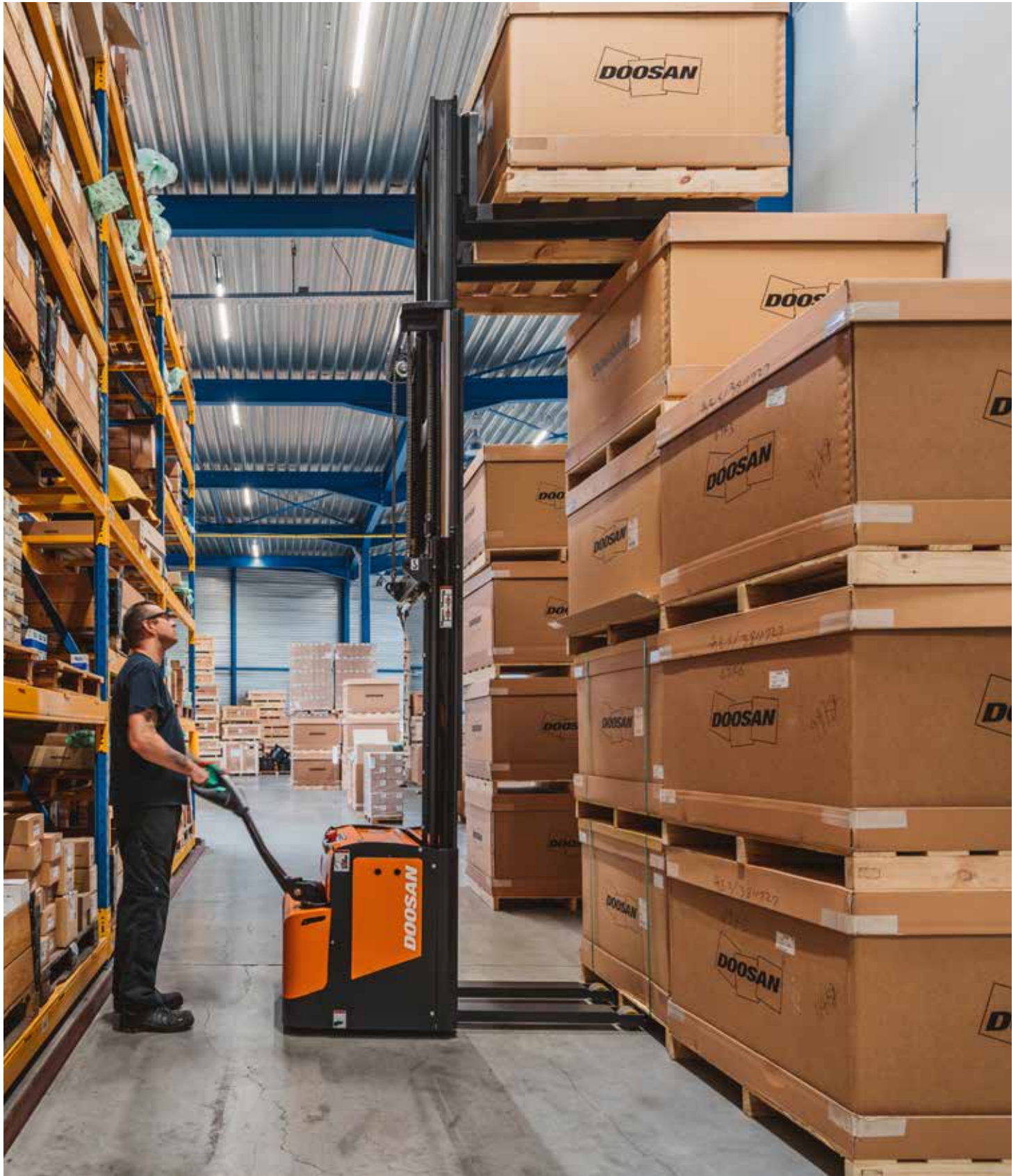
Integrated charger*	
Different energy packages based on your application	
Electrical power steering*	
Different models of drive tire	
Various fork dimensions (length and width)	
Cold store protection down to -30°C*	
Stainless steel axle and bolts*	
Eco Smart display with integrated key pad security function*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



-  Capacity
 Lift height
 Overall width

COMPACT LINE

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






BSL10/13S-7C

-  1,000 / 1,300 kg
 1,790 - 3,590 mm
 660 mm



LEDS14/16C




-  1,400 / 1,600 kg
 1,790 - 3,290 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

-  1,400 / 1,600 kg
 2,890 - 5,390 mm
 790 mm






LEDS 16 IP

-  1,600 kg
 2,890 - 4,790 mm
 880 mm






BSL20S-7

-  2,000 kg
 2,890 - 5,390 mm
 880 mm



LEFS12.5



-  1,250 kg
 2,890 mm
 800 mm

DOUBLE STACKERS

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



BDL13S-7 BDL13S-7H

-  1,250 / 1,800 kg
 1,250 / 2,000 kg
 690 - 2,490* mm
 660 mm





LEDD 12.5/20 MP

-  1,250 / 2,000 kg
 1,790 - 2,090 mm
 700 mm



LEFD 12.5/20

-  1,250 / 2,000 kg
 1,790 mm
 800 mm

* only for BDL13S-7

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

Turtle speed button*

Shock-free lowering of load using a hydraulic damper

Tandem Vulkollan™ load wheels*

Large Vulkollan™ drive wheel

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*

Steel cover*

Not applicable for LEFS12.5 and LEFD12.5/20.

* applicable only to certain models

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.





LEKF 20

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

- Capacity
- Lift height
- Overall width
- Fork length



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.

Description

			BATTERY CHANGE
			Battery changing trolley for 2 batteries
			Battery changing trolley for 3 batteries
			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

* 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

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Options



Forks

Doosan offers a wide range of forks for pallet trucks.

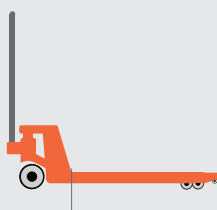


520 mm

EPAL/Europallet

685 mm

CHEP-pallet



1,150 mm

EPAL/Europallet

800 mm

EPAL/Europallet sideways

910 mm

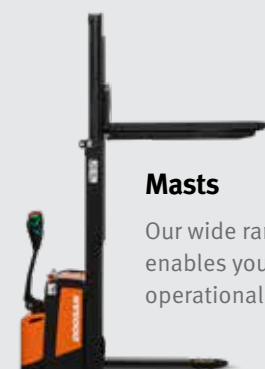
EPAL/Europallet sideways

1,000 mm

CHEP-pallet

1,220 mm

Heavy loads



Masts

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

Description

SPECIAL VERSIONS

Stainless steel axles and bolts

FORKS

Forks 800 / 540 mm

Forks 800 / 685 mm

Forks 915 / 540 mm

Forks 915 / 685 mm

Forks 980 / 520 mm

Forks 980 / 650 mm

Forks 980 / 680 mm

Forks 1,000 / 540 mm

Forks 1,000 / 685 mm

Forks 1,150 / 520 mm

Forks 1,150 / 540 mm

Forks 1,150 / 650 mm

Forks 1,150 / 685 mm

Forks 1,190 / 580 mm

Forks 1,195 / 520 mm

Forks 1,195 / 570 mm

Forks 1,195 / 680 mm

Forks 1,220 / 540 mm

Forks 1,220 / 685 mm

Forks 2,390 / 540 mm

Forks 2,390 / 570 mm

Forks 2,390 / 650 mm

MASTS

Standard (STD), 690 mm

Standard (STD), 1,790 mm

Standard (STD), 2,090 mm

Standard (STD), 2,490 mm

Standard (STD), 2,890 mm

Standard (STD), 3,290 mm

Standard (STD), 3,590 mm

Full Free (FF), 2,890 mm

Full Free (FF), 3,590 mm

Full Free Triple (FFT), 4,190 mm

Full Free Triple (FFT), 4,390 mm

Full Free Triple (FFT), 4,790 mm

Full Free Triple (FFT), 5,390 mm

- ▲ special forks available on request
- ▼ special mast available on request
- only for BDL13S-7
- residual capacities at full height: see specification sheet

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



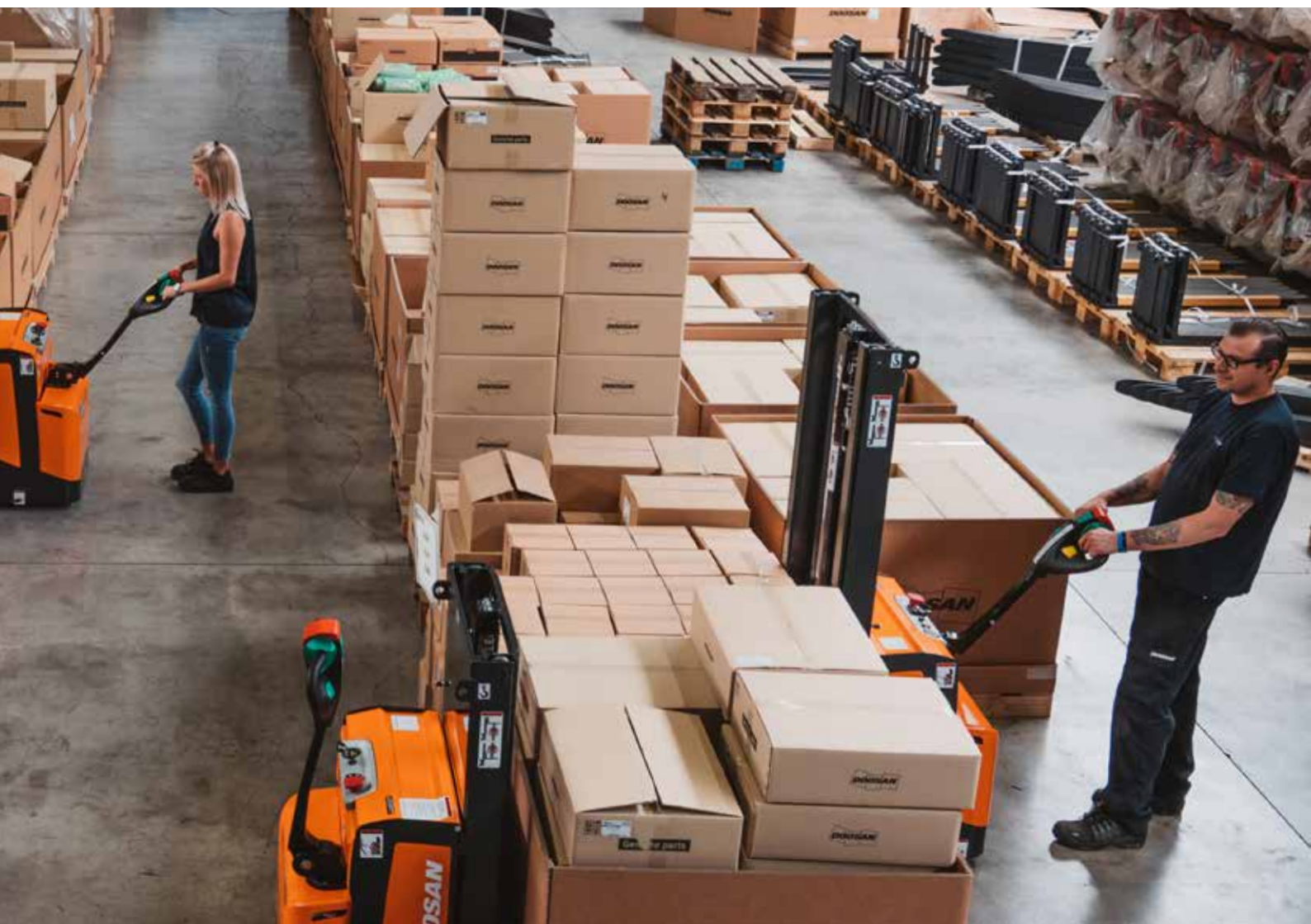
Cold Store

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

- Standard
- Option

DOOSAN IS THE PARTN









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

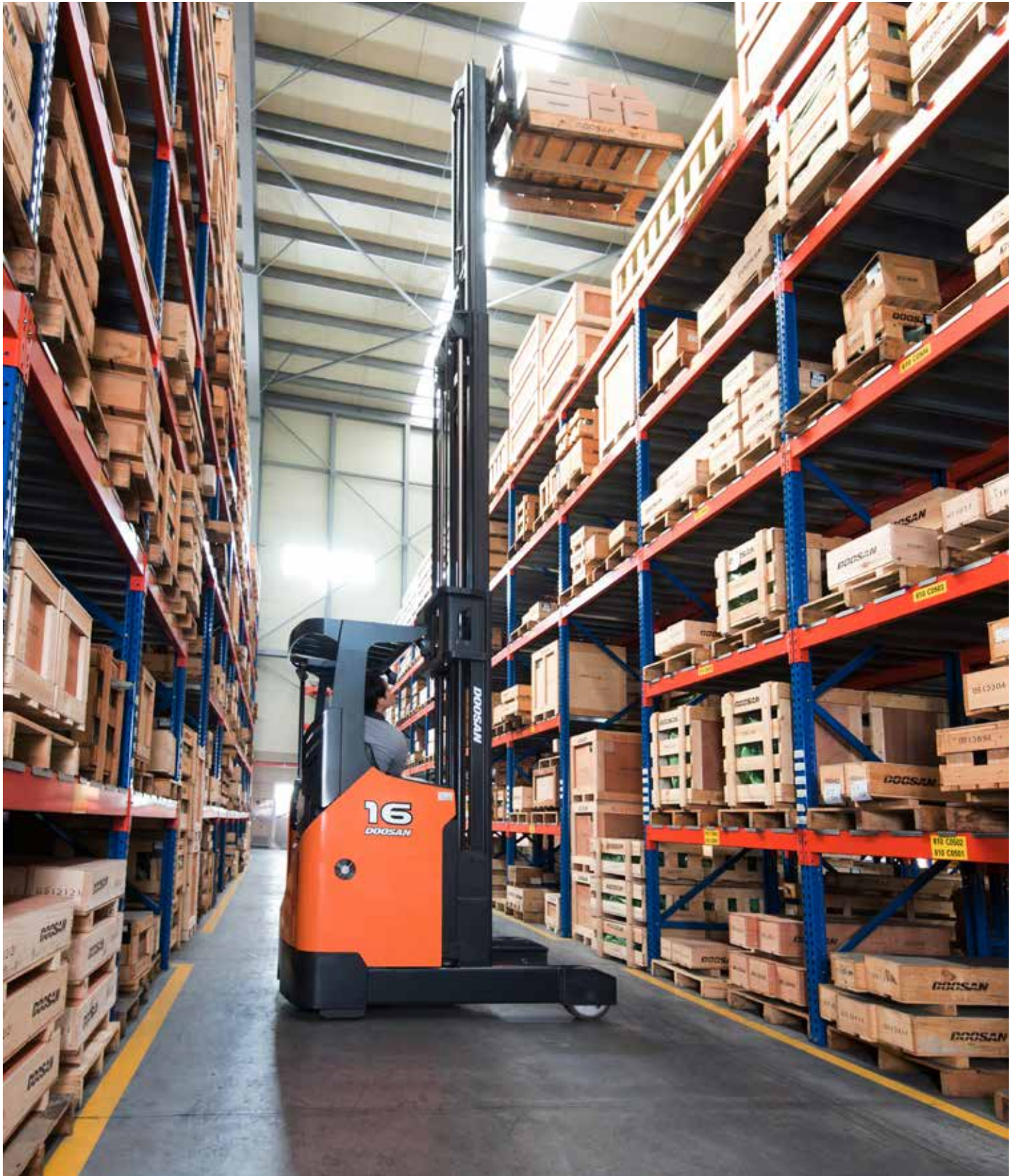


LEHF75D (Donkey)

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

Reach Trucks

The combination of 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 that adapts to your needs whilst delivering 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

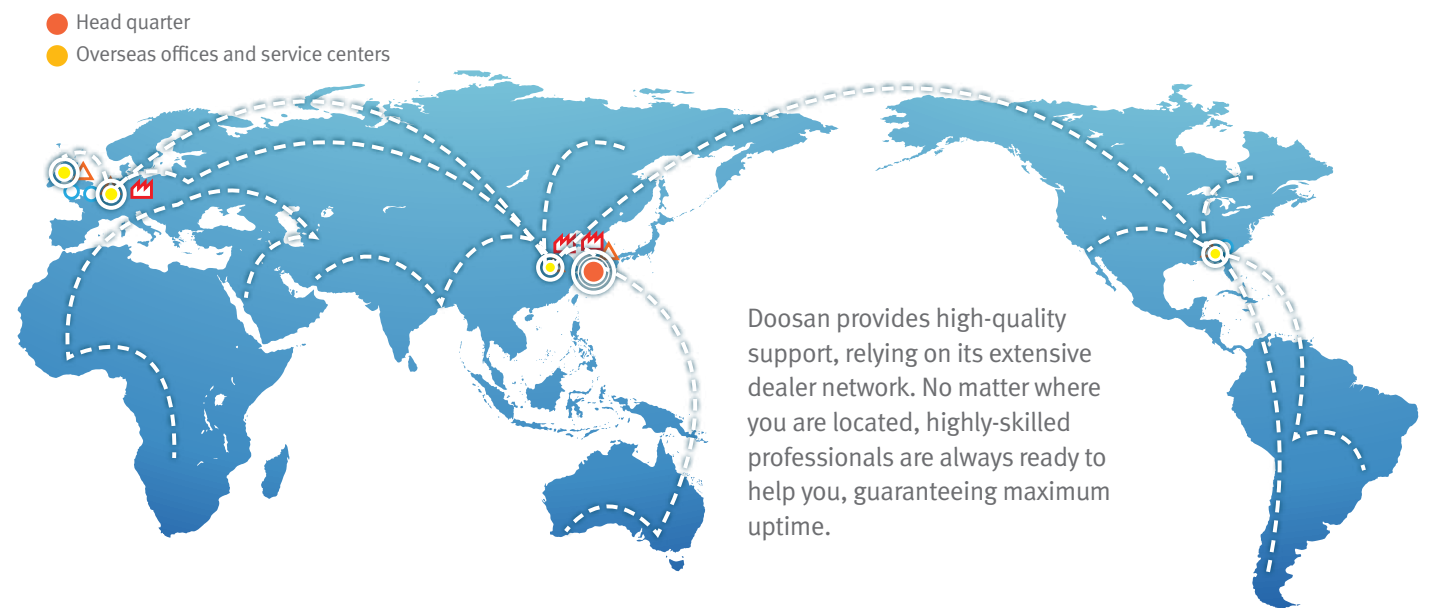
- Standard
- Option

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)



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Authorized Dealer