

Specifications

▲ Key Specifications

D100S-7

D120S-7

D140S-7

D160S-7

Capacity

10000 kg

12000 kg

14000 kg

16000 kg

Load Centre

600 mm

600 mm

600 mm

600 mm

Lifting Height (Range)

3000-6000 mm

3000-6000 mm

3000-6000 mm

3000-6000 mm

Travel Speed

34 km/h

33 km/h

28.30 km/h

25 km/h

Engine Type

Doosan DL06P

Doosan DL06P

Deutz/L06 2V

Doosan DL06P

▼ Dimensions - Pallet fork

D100S-7

D120S-7

D140S-7

D160S-7

Maximum fork height

3000.00 MM

3000.00 MM

3000.00 MM

3000.00 MM

▼ Tyres

D100S-7

D120S-7

D140S-7

D160S-7

Tyres: pneumatic (P). solid (S)

P/E

P/E

P

P/E

Tyre size. Front

10.00x20-16PR	10.00X20-16PR	12.00X20-18PR	12.00X20-18PR
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Tyre size. Rear

10.00x20-16PR	10.00X20-16PR	12.00X20-18PR	12.00X20-18PR
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Wheels. number Front/Rear (x = driven wheels)

4X/2	4X/2	X4/2	X4/2
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Tread. Front

1724.00 MM	1724.00 MM	1825.00 MM	1825.00 MM
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Tread. Rear

1860.00 MM	1860.00 MM	1910.00 MM	1910.00 MM
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▼ Additional Data

D100S-7	D120S-7	D140S-7	D160S-7
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Operating pressure for attachments

140.00 BAR	140.00 BAR	140.00 BAR	160.00 BAR
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▼ Characteristics

D100S-7	D120S-7	D140S-7	D160S-7
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Drive

Diesel	Diesel	Diesel	Diesel
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Operator Type

Seated	Seated	Seated	Seated
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Load Capacity

10000.00 KG	12000.00 KG	14000.00 KG	16000.00 KG
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Load Center

600.00 MM	600.00 MM	600.00 MM	600.00 MM
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Load Distance: Center of Drive axle to fork

755.00 MM

770.00 MM

815.00 MM

815.00 MM

▼ Performance

D100S-7**D120S-7****D140S-7****D160S-7**

Travel Speed

34.00

33.00

28.30

25.00

Lift Speed, loaded/unloaded

4.1/4.7 m/s

4.0/4.7 m/s

370.0/430.0 m/s

3.6/4.3 m/s

Lowering Speed, loaded/unloaded

4.3/4.1 m/s

4.3/4.1 m/s

430.0/410.0 m/s

4.3/4.1 m/s

Drawbar pull. loaded/unloaded (@ 1.6km/h)

9,430/9,430

9,350/9,350

101,869/101,869

10,520/10,520

Gradeability. loaded/unloaded (@ 1.6km/h)

42.0/42.0 %

36.0/36.0 %

34.0/34.0 %

32.0/32.0 %

▼ Controls

D100S-7**D120S-7****D140S-7****D160S-7**

Service brake

disc

disc

foot/hydraulic

disc

▼ Dimensions

D100S-7**D120S-7****D140S-7****D160S-7**

Tilt of Mast/Fork carriage forward

15.00

15.00

15.00

15.00

Tilt of Mast/Fork carriage backward

12.00	12.00	12.00	12.00
Height. Mast lowered			
2970.00 MM	2970.00 MM	3170.00 MM	3170.00 MM
Free Lift			
0.00 MM	0.00 MM		
Height. Mast Extended			
4470.00 MM	4470.00 MM	4670.00 MM	4670.00 MM
Height of Overhead Guard			
2890.00 MM	2890.00 MM	2860.00 MM	2860.00 MM
Height of Seat			
1455.00 MM	1455.00 MM	1830.00 MM	1830.00 MM
Length to Forkface			
4490.00 MM	4505.00 MM	4830.00 MM	4830.00 MM
Overall Width			
2350.00 MM	2350.00 MM	2490.00 MM	2490.00 MM
Fork Dimensions			
70x200x1,350	80x200x1,350	85X200X1,350	85X200X1,350
Ground Clearance. loaded. below mast			
270.00 MM	270.00 MM	270.00 MM	270.00 MM
Ground Clearance. center of wheelbase			
360.00 MM	360.00 MM	370.00 MM	370.00 MM
Aisle width for pallets 1.000 x 1.200 crossways			
6245.00 MM	6260.00 MM		

Aisle width for pallets 800 x 1.200 lengthways

6045.00 MM**6060.00 MM**

External Turning Radius

4290.00 MM**4290.00 MM****4545.00 MM****4545.00 MM**

Wheelbase

3000.00 MM**3000.00 MM****3250.00 MM****3250.00 MM**

Internal turning radius

1545.00 MM**1545.00 MM**

▼

Engine

D100S-7**D120S-7****D140S-7****D160S-7**

Rated speed

2100.00**2100.00****2300.00****2100.00**

Engine Manufacturer/type

Doosan DL06P**Doosan DL06P****Deutz/L06 2V****Doosan DL06P**

Engine power according to DIN ISO1585

128.70 KW**128.70 KW****124.00 KW****128.70 KW**

Torque at 1/min

725.7/1,400 Nm/rpm**725.7/1,400 Nm/rpm****680/1600 N•m****725.7/1,400 N•m**

Battery Voltage/normal capacity

24 V**24 V****24(12X2)-100 V****24 V**

Fuel Consumption according to VDI Cycle

6.00**6.00**

Number of Cylinders

6.0	6.0	4.0	6.0
Displacement			
5890.00	5890.00	6100.00	5890.00

▼ Weights

D100S-7	D120S-7	D140S-7	D160S-7
Axle Loading. loaded. front			
21985.00 KG	24960.00 KG	28630.00 KG	31525.00 KG
Axle Loading. loaded. rear			
3205.00 KG	3230.00 KG	3365.00 KG	3470.00 KG
Axle Loading. unloaded. front			
7470.00 KG	7480.00 KG	8640.00 KG	8665.00 KG
Axle Loading. unloaded. rear			
7720.00 KG	8710.00 KG	9355.00 KG	10330.00 KG
Operating Weight			
15190.00 KG	16190.00 KG	17995.00 KG	18995.00 KG