

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**

Tyre size. Rear

10.00x20-16PR**10.00X20-16PR****12.00X20-18PR****12.00X20-18PR**

Wheels. number Front/Rear (x = driven wheels)

4X/2**4X/2****X4/2****X4/2**

Tread. Front

1724.00 MM**1724.00 MM****1825.00 MM****1825.00 MM**

Tread. Rear

1860.00 MM**1860.00 MM****1910.00 MM****1910.00 MM**

▼ Additional Data

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

Operating pressure for attachments

140.00 BAR**140.00 BAR****140.00 BAR****160.00 BAR**

▼ Characteristics

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

Drive

Diesel**Diesel****Diesel****Diesel**

Operator Type

Seated**Seated****Seated****Seated**

Load Capacity

10000.00 KG**12000.00 KG****14000.00 KG****16000.00 KG**

Load Center

600.00 MM**600.00 MM****600.00 MM****600.00 MM**

Load Distance: Center of Drive axle to fork

755.00 MM	770.00 MM	815.00 MM	815.00 MM
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▼ Performance

D100S-7	D120S-7	D140S-7	D160S-7
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Travel Speed

34.00	33.00	28.30	25.00
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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
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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
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Drawbar pull, loaded/unloaded (@ 1.6km/h)

9,430/9,430	9,350/9,350	101,869/101,869	10,520/10,520
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Gradeability, loaded/unloaded (@ 1.6km/h)

42.0/42.0 %	36.0/36.0 %	34.0/34.0 %	32.0/32.0 %
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▼ Controls

D100S-7	D120S-7	D140S-7	D160S-7
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Service brake

disc	disc	foot/hydraulic	disc
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▼ Dimensions

D100S-7	D120S-7	D140S-7	D160S-7
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Tilt of Mast/Fork carriage forward

15.00	15.00	15.00	15.00
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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
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Displacement

5890.00	5890.00	6100.00	5890.00
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Weights

D100S-7	D120S-7	D140S-7	D160S-7
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Axle Loading, loaded, front

21985.00 KG	24960.00 KG	28630.00 KG	31525.00 KG
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Axle Loading, loaded, rear

3205.00 KG	3230.00 KG	3365.00 KG	3470.00 KG
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Axle Loading, unloaded, front

7470.00 KG	7480.00 KG	8640.00 KG	8665.00 KG
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Axle Loading, unloaded, rear

7720.00 KG	8710.00 KG	9355.00 KG	10330.00 KG
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Operating Weight

15190.00 KG	16190.00 KG	17995.00 KG	18995.00 KG
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