



# DIECI



# DEDALUS



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PERFORMANCE				
Vehicle model	DEDALUS 28.7	DEDALUS 30.7	DEDALUS 28.9	DEDALUS 30.9
Maximum capacity	2800 kg (6173 lb)	3000 kg (6614 lb)	2800 kg (6173 lb)	3000 kg (6614 lb)
Maximum lifting height	6,35 m (20,8 ft)	6,35 m (20,8 ft)	8,70 m (28,5 ft)	8,70 m (28,5 ft)
Maximum horizontal extension	3,65 m (12 ft)	3,65 m (12 ft)	5,70 m (18,7 ft)	5,70 m (18,7 ft)
Fork swiveling angle	146°	146°	146°	146°
Pull-out force	5700 daN (12814 lbf)	5700 daN (12814 lbf)	5700 daN (12814 lbf)	5700 daN (12814 lbf)
Towing force	5500 daN (12364 lbf)	5500 daN (12364 lbf)	5500 daN (12364 lbf)	5500 daN (12364 lbf)
Maximum climb angle	40%	40%	40%	40%
Unladen weight	6100 kg (13448 lb)	6100 kg (13448 lb)	6250 kg (13779 lb)	6250 kg (13779 lb)
Max speed (referred to wheels with maximum permitted diameter)	35 km/h (21,7 mph)	35 km/h (21,7 mph)	35 km/h (21,7 mph)	35 km/h (21,7 mph)

BOOM				
Vehicle model	DEDALUS 28.7	DEDALUS 30.7	DEDALUS 28.9	DEDALUS 30.9
Lifting	7,4 s	7,4 s	9,0 s	9,0 s
Descent	3,9 s	3,9 s	4,7 s	4,7 s
Extension	5,7 s	5,7 s	5,2 s	5,2 s
Retraction	3,2 s	3,2 s	2,9 s	2,9 s
Forward swiveling	3,2 s	3,2 s	3,2 s	3,2 s
Reverse swiveling	2,1 s	2,1 s	1,7 s	1,7 s

ENGINE				
Vehicle model	DEDALUS 28.7	DEDALUS 30.7	DEDALUS 28.9	DEDALUS 30.9
Brand	Kubota	Kubota	Kubota	Kubota
Nominal power	73,4 kW (98 HP)	73,4 kW (98 HP)	73,4 kW (98 HP)	73,4 kW (98 HP)
@rpm	2600 rpm	2600 rpm	2600 rpm	2600 rpm
Operation	4-stroke	4-stroke	4-stroke	4-stroke
Injection	Mechanical	Mechanical	Mechanical	Mechanical
Number and arrangement of cylinders	4, Vertical in line	4, Vertical in line	4, Vertical in line	4, Vertical in line
Displacement	3769 cm <sup>3</sup> (230 in <sup>3</sup> )	3769 cm <sup>3</sup> (230 in <sup>3</sup> )	3769 cm <sup>3</sup> (230 in <sup>3</sup> )	3769 cm <sup>3</sup> (230 in <sup>3</sup> )
Consumption	231 g/kWh (380 lb/Hp h)	231 g/kWh (380 lb/Hp h)	231 g/kWh (380 lb/Hp h)	231 g/kWh (380 lb/Hp h)
@rpm	2600 rpm	2600 rpm	2600 rpm	2600 rpm
Emission standard	Stage IIIA/Tier 3	Stage IIIA/Tier 3	Stage IIIA/Tier 3	Stage IIIA/Tier 3
Cooling system	Liquid	Liquid	Liquid	Liquid
Intake	Turbo compressor	Turbo compressor	Turbo compressor	Turbo compressor

DIFFERENTIAL AXLES				
Vehicle model	DEDALUS 28.7	DEDALUS 30.7	DEDALUS 28.9	DEDALUS 30.9
Type of axles	2 steering, with 4 planetary reduction gears	2 steering, with 4 planetary reduction gears	2 steering, with 4 planetary reduction gears	2 steering, with 4 planetary reduction gears
Type of steering	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels
Front axle	Rigid	Rigid	Rigid	Rigid
Rear axle	Swinging	Swinging	Swinging	Swinging
Service braking	Oil bath with servo brake on front axle	Oil bath with servo brake on front axle	Oil bath with servo brake on front axle	Oil bath with servo brake on front axle
Parking braking	Negative actuation with electrical control	Negative actuation with electrical control	Negative actuation with electrical control	Negative actuation with electrical control

HYDRAULIC SYSTEM				
Vehicle model	DEDALUS 28.7	DEDALUS 30.7	DEDALUS 28.9	DEDALUS 30.9
Hydraulic pump type	Gear pump for power steering and movements	Gear pump for power steering and movements	Gear pump for power steering and movements	Gear pump for power steering and movements
Hydraulic pump capacity	115 L/min (30,4 gal/min)	115 L/min (30,4 gal/min)	115 L/min (30,4 gal/min)	115 L/min (30,4 gal/min)
Max. operating pressure	24,5 MPa (3553 psi)	24,5 MPa (3553 psi)	24,5 MPa (3553 psi)	24,5 MPa (3553 psi)
Distributor control	4in1 proportional Joystick	4in1 proportional Joystick	4in1 proportional Joystick	4in1 proportional Joystick

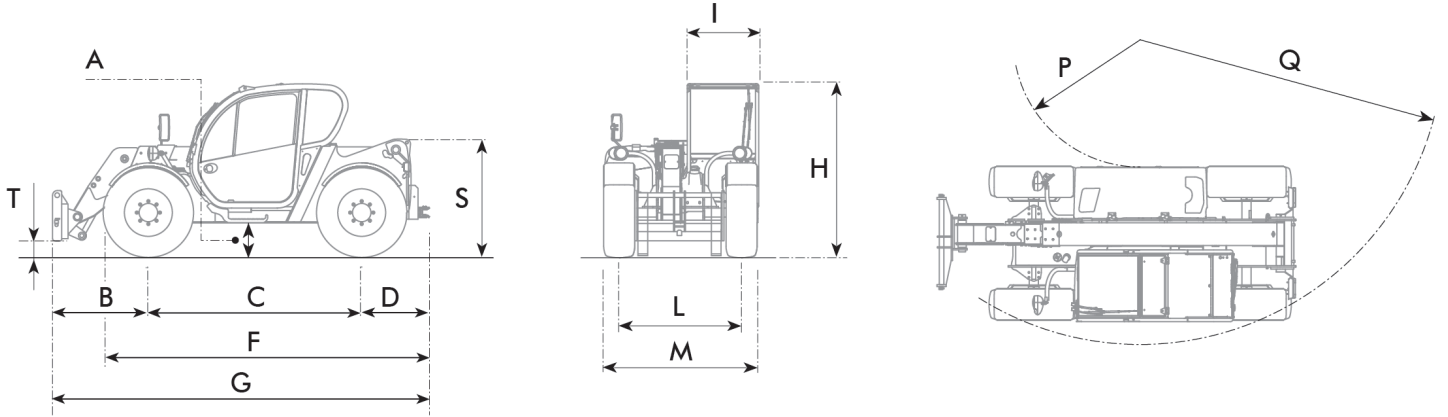
REFUELING				
Vehicle model	DEDALUS 28.7	DEDALUS 30.7	DEDALUS 28.9	DEDALUS 30.9
Hydraulic system (total)	140,0 L (36,98 gal)	140,0 L (36,98 gal)	140,0 L (36,98 gal)	140,0 L (36,98 gal)
Fuel tank	100,0 L (26,42 gal)	100,0 L (26,42 gal)	100,0 L (26,42 gal)	100,0 L (26,42 gal)

TRANSMISSION				
Vehicle model	DEDALUS 28.7	DEDALUS 30.7	DEDALUS 28.9	DEDALUS 30.9
Transmission type	Hydrostatic with variable flow pump	Hydrostatic with variable flow pump	Hydrostatic with variable flow pump	Hydrostatic with variable flow pump
Hydraulic motor	Hydrostatic with continuous automatic adjustment	Hydrostatic with continuous automatic adjustment	Hydrostatic with continuous automatic adjustment	Hydrostatic with continuous automatic adjustment
Reversal	Electrohydraulic	Electrohydraulic	Electrohydraulic	Electrohydraulic
Inching	With inching pedal for controlled forward movement	With inching pedal for controlled forward movement	With inching pedal for controlled forward movement	With inching pedal for controlled forward movement
Transmission gearbox	Servocontrolled 2-speed	Servocontrolled 2-speed	Servocontrolled 2-speed	Servocontrolled 2-speed

TIRES				
Vehicle model	DEDALUS 28.7	DEDALUS 30.7	DEDALUS 28.9	DEDALUS 30.9
Standard tires	12.5x18"	400/70x20"	12.5x18"	400/70x20"
Optional tires	400/70x20"; 400/70x24"	400/70x24"	400/70x20"; 400/70x24"	400/70x24"

## DIMENSIONS

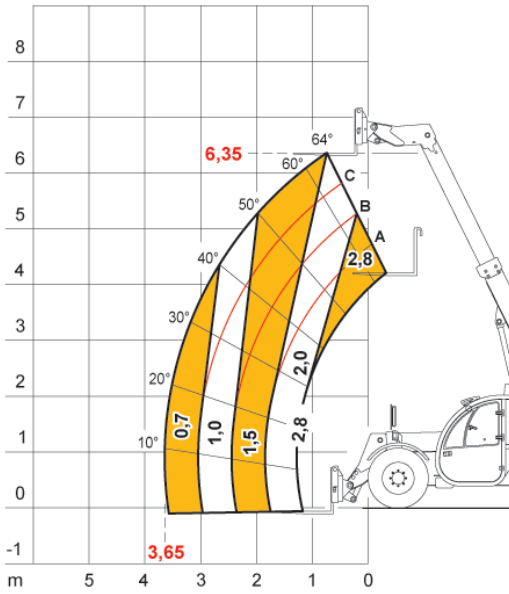
Vehicle model	DEDALUS 28.7	DEDALUS 30.7	DEDALUS 28.9	DEDALUS 30.9
A	400 mm (15,7 in)	400 mm (15,7 in)	400 mm (15,7 in)	400 mm (15,7 in)
B	1315 mm (51,8 in)	1315 mm (51,8 in)	1232 mm (48,5 in)	1232 mm (48,5 in)
C	2800 mm (110,2 in)	2800 mm (110,2 in)	2800 mm (110,2 in)	2800 mm (110,2 in)
D	650 mm (25,6 in)	650 mm (25,6 in)	743 mm (29,3 in)	743 mm (29,3 in)
F	3990 mm (157,1 in)	3990 mm (157,1 in)	4087 mm (160,9 in)	4087 mm (160,9 in)
G	4765 mm (187,6 in)	4765 mm (187,6 in)	4775 mm (188 in)	4775 mm (188 in)
H	2040 mm (80,3 in)	2220 mm (87,4 in)	2040 mm (80,3 in)	2220 mm (87,4 in)
I	940 mm (37 in)	940 mm (37 in)	940 mm (37 in)	940 mm (37 in)
L	1600 mm (63 in)	1600 mm (63 in)	1600 mm (63 in)	1600 mm (63 in)
M	2000 mm (78,7 in)	2000 mm (78,7 in)	2000 mm (78,7 in)	2000 mm (78,7 in)
P	1670 mm (65,7 in)	1670 mm (65,7 in)	1670 mm (65,7 in)	1670 mm (65,7 in)
Q	4000 mm (157,5 in)	4000 mm (157,5 in)	4000 mm (157,5 in)	4000 mm (157,5 in)
S	1544 mm (60,8 in)	1544 mm (60,8 in)	1540 mm (60,6 in)	1540 mm (60,6 in)
T	20 mm (0,8 in)	20 mm (0,8 in)	93 mm (3,7 in)	93 mm (3,7 in)



MAX 2,8 t



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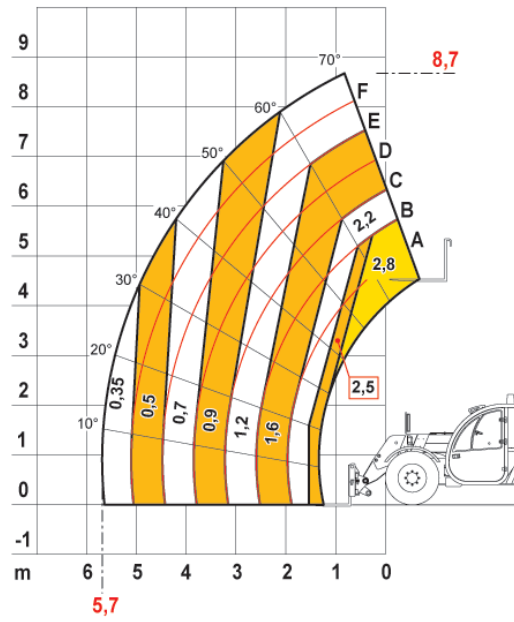
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MAX 2,8 t



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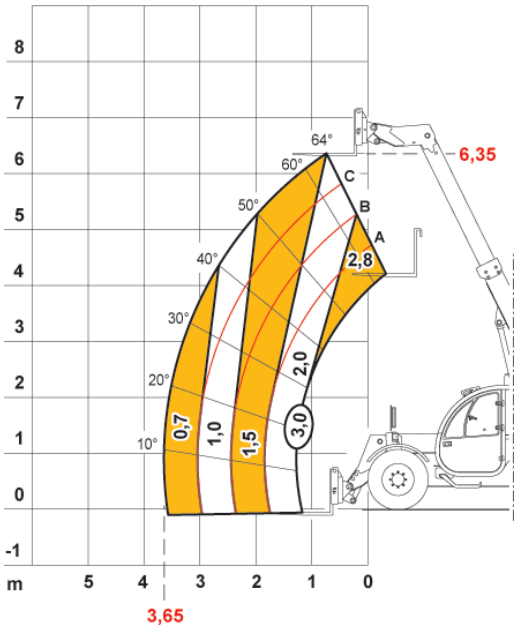
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MAX 3,0 t



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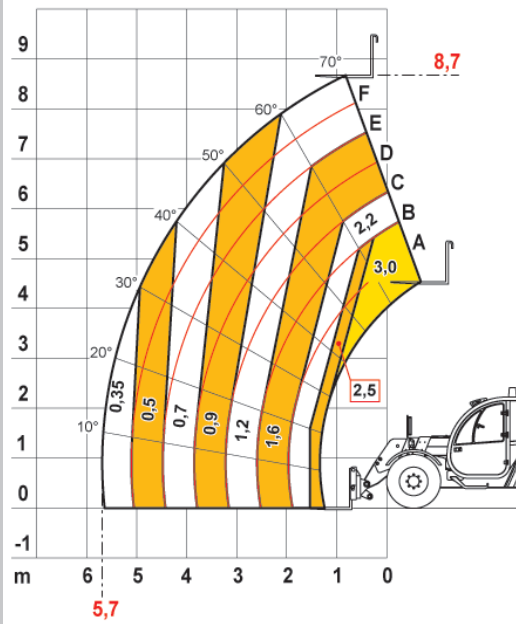
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MAX 3,0 t



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