



DIECI



ICARUS 50.18



50.18

PERFORMANCE	
Vehicle model	ICARUS 50.18 - GD
Maximum capacity	5000 kg (11023 lb)
Maximum lifting height	17,80 m (58,4 ft)
Maximum horizontal extension	13,80 m (45,3 ft)
Fork swiveling angle	133°
Pull-out force	5700 daN (12814 lbf)
Towing force	11600 daN (26078 lbf)
Maximum climb angle	40%
Unladen weight	14500 kg (31967 lb)
Max speed (referred to wheels with maximum permitted diameter)	30 km/h (18,6 mph)

BOOM	
Vehicle model	ICARUS 50.18 - GD
Lifting	13,3 s
Descent	9,3 s
Extension	19,0 s
Retraction	12,8 s
Forward swiveling	3,3 s
Reverse swiveling	2,1 s

ENGINE	
Vehicle model	ICARUS 50.18 - GD
Brand	Kubota
Nominal power	85,1 kW (114 HP)
@rpm	2600 rpm
Operation	4-stroke
Injection	Electronic, Common Rail
Number and arrangement of cylinders	4, Vertical in line
Displacement	3769 cm ³ (230 in ³)
Consumption	215 g/kWh (353,68 lb/Hp h)
@rpm	2600 rpm
Emission standard	Stage IV/Tier 4f
Exhaust gas treatment	DOC+DPF+SCR
Cooling system	Liquid
Intake	Turbocharger after-cooler

DIFFERENTIAL AXLES	
Vehicle model	ICARUS 50.18 - GD
Type of axles	2 steering, with 4 epicycloidal reduction gears
Type of steering	4 wheels / transversal / 2 wheels
Front axle	With transverse leveling device driven by the cab
Rear axle	Oscillating with automatic lock
Service braking	Oil bath with servo brake on front axle with double hydraulic system
Parking braking	Negative actuation with electrical control

HYDRAULIC SYSTEM	
Vehicle model	ICARUS 50.18 - GD
Hydraulic pump type	Dual gear pump for power steering and movements
Hydraulic pump capacity	140 L/min (37 gal/min)
Max. operating pressure	25,0 MPa (3626 psi)
Distributor control	4in1 proportional Joystick
Outriggers	2 with proportional control and independent from the cab

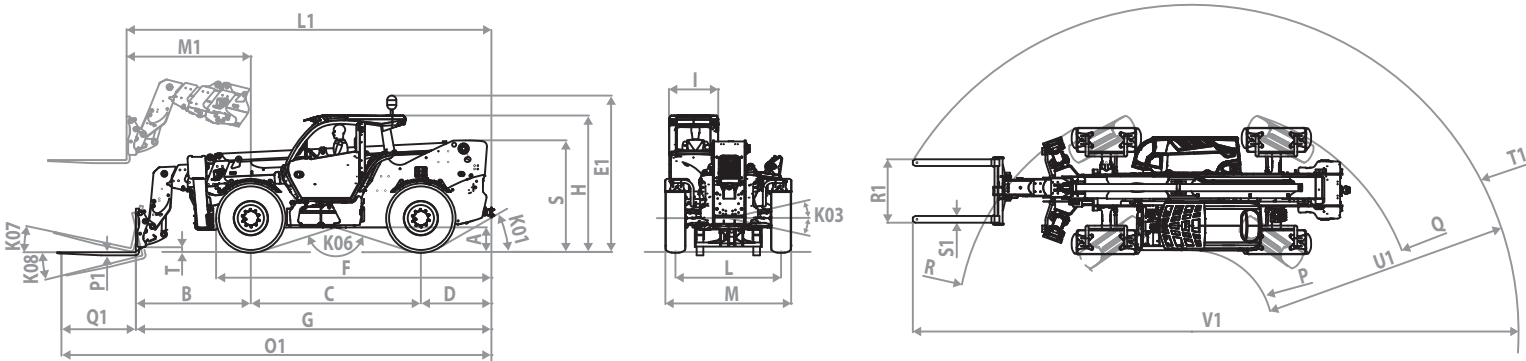
REFUELING	
Vehicle model	ICARUS 50.18 - GD
Hydraulic system (total)	190,0 L (50,19 gal)
Fuel tank	120,0 L (31,7 gal)
AdBlue tank	20 L (5,28 gal)

TRANSMISSION	
Vehicle model	ICARUS 50.18 - GD
Transmission type	Hydrostatic with electronic control with variable displacement pump and ECO function
Hydraulic motor	Hydrostatic with continuous automatic adjustment
Reversal	With electronic control operated with vehicle in motion
Inching	With electronic pedal for controlled forward movement
Transmission gearbox	Servo-controlled 2-speed

TIRES	
Vehicle model	ICARUS 50.18 - GD
Standard tires	440/80x24"
Optional tires	-

DIMENSIONS

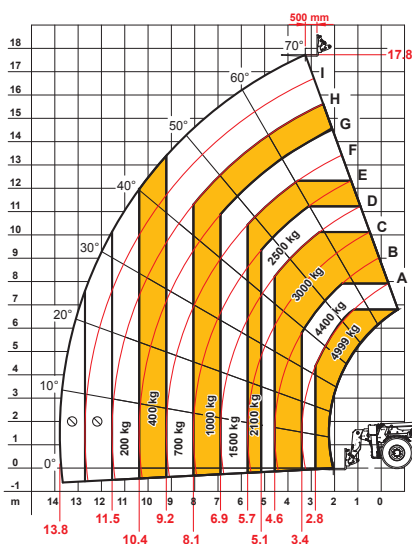
Vehicle model	ICARUS 50.18 - GD
A	480 mm (18,9 in)
B	2230 mm (87,8 in)
C	3300 mm (129,9 in)
D	1370 mm (53,9 in)
E1	2925 mm (115,2 in)
F	5900 mm (232,3 in)
G	6900 mm (271,7 in)
H	2650 mm (104,3 in)
I	960 mm (37,8 in)
K01	30°
K03	10°
K06	145°
K07	14°
K08	120°
L	2050 mm (80,7 in)
L1	7080 mm (278,7 in)
M	2440 mm (96,1 in)
M1	2411 mm (94,9 in)
O1	8345 mm (328,5 in)
P	1579 mm (62,2 in)
P1	60 mm (2,4 in)
Q	4379 mm (172,4 in)
Q1	1525 mm (60 in)
R	4547 mm (179 in)
R1	1230 mm (48,4 in)
S	2162 mm (85,1 in)
S1	130 mm (5,1 in)
T	100 mm (3,9 in)
T1	6342 mm (249,7 in)
U1	4767 mm (187,7 in)
V1	11730 mm (461,8 in)



MAX
4999 kg



DOC10001057



EN1459-B

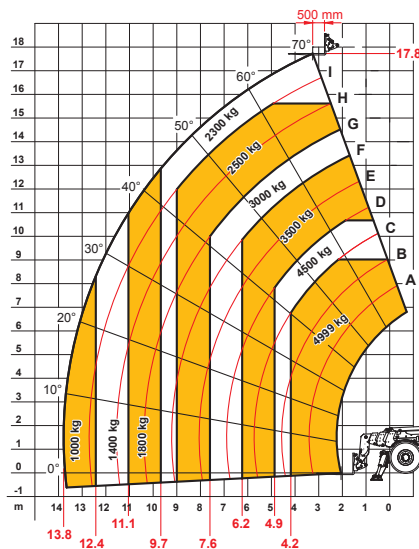
50.18



MAX
4999 kg



DOC10001058



EN1459-B

50.18



Dieci Srl - Via E. Majorana, 2-4 - 42027 - Montecchio Emilia (RE) ITALY

Tel. +39 0522 869611 - Fax +39 0522 869798 - E-mail: info@dieci.com - www.dieci.com

SKT Icarus GD CE - 18 m -UK | v. 1.1