

DIECI



ICARUS

45.14 | 45.17 | 60.18



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PERFORMANCE			
Vehicle model	ICARUS 45.14 - GD	ICARUS 45.17 - GD	ICARUS 60.18 -GD
Maximum capacity	4500 kg (9921 lb)	4500 kg (9921 lb)	6000 kg (13228 lb)
Maximum lifting height	13.4 m (44.0 ft)	16.4 m (53.8 ft)	17.8 m (58.4 ft)
Maximum horizontal extension	9.5 m (31.2 ft)	12.5 m (41.0 ft)	13.9 m (45.6 ft)
Fork swiveling angle	130°	130°	133°
Pull-out force	5700 daN (12814 lbf)	9800 daN (22031 lbf)	5700 daN (12814 lbf)
Towing force	8650 daN (19446 lbf)	8645 daN (19435 lbf)	7700 daN (17310 lbf)
Unladen weight	10990 kg (24229 lb)	11400 kg (25133 lb)	14600 kg (32187 lb)
Maximum climb angle	40 %	50 %	40 %
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)

BOOM			
Vehicle model	ICARUS 45.14 - GD	ICARUS 45.17 - GD	ICARUS 60.18 -GD
Getting off the basket	9,5 s	13,4 s	13,6 s
Lifting	12,1 s	12,2 s	15,9 s
Extension	20 s	21 s	23.1 s
Retraction	19 s	17 s	18,2 s
Forward swiveling	3,4 s	3.2 s	3 s
Reverse swiveling	3.2 s	3,4 s	2.5 s

ENGINE			
Vehicle model	ICARUS 45.14 - GD	ICARUS 45.17 - GD	ICARUS 60.18 -GD
Brand	FPT	FPT	FPT
Nominal power	93 kW (125 HP)	93 kW (125 HP)	93 kW (125 HP)
@rpm	2200 rpm	2200 rpm	2200 rpm
Peak power	93 kW (125 HP)	93 kW (125 HP)	93 kW (125 HP)
@rpm	2200 rpm	2200 rpm	2200 rpm
Operation	4-stroke	4-stroke	4-stroke
Injection	Mechanical direct	Mechanical direct	Mechanical direct
Number and arrangement of cylinders	4, Vertical in line	4, Vertical in line	4, Vertical in line
Displacement	4485 cm³ (274 in³)	4485 cm³ (274 in³)	4485 cm³ (274 in³)
Consumption	230 g/kWh (378.35 lb/Hp h)	230 g/kWh (378.35 lb/Hp h)	230 g/kWh (378.35 lb/Hp h)
@rpm	2200 rpm	2200 rpm	2200 rpm
Emission standards	Stage IIIA/Tier 3	Stage IIIA/Tier 3	Stage IIIA/Tier 3
Cooling system	Liquid	Liquid	Liquid
Intake	Turbocharger after-cooler	Turbocharger after-cooler	Turbocharger after-cooler
Air filter	Self-cleaning air prefilter	Self-cleaning air prefilter	Air pre-heating and air pre-filtering with dust separator

TRANSMISSION			
Vehicle model	ICARUS 45.14 - GD	ICARUS 45.17 - GD	ICARUS 60.18 -GD
Transmission type	Hydrostatic with variable displacement pump	Hydrostatic with variable displacement pump	Hydrostatic with variable displacement pump
Hydraulic motor	Hydrostatic with continuous automatic adjustment	Hydrostatic with continuous automatic adjustment	Hydrostatic with continuous automatic adjustment
Reversal	With electronic control	With electronic control	With electronic control
Inching	With electronic pedal for controlled forward movement	With electronic pedal for controlled forward movement	With electronic pedal for controlled forward movement
Gearbox	Servo-controlled 2-speed	Servo-controlled 2-speed	Servo-controlled 2-speed

DIFFERENTIAL AXLES			
Vehicle model	ICARUS 45.14 - GD	ICARUS 45.17 - GD	ICARUS 60.18 -GD
Type of axles	2 steering, with 4 epicycloidal reduction gears	2 steering, with 4 epicycloidal reduction gears	2 steering, with 4 epicycloidal reduction gears
Type of steering	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels	4 wheels / transversal / 2 wheels
Front axle	With transverse leveling device with control in the cab	With transverse leveling device with control in the cab	With transverse leveling device with control in the cab
Rear axle	Swinging	Swinging	Oscillating with automatic lock
Service braking	Oil bath with servo brake on front and rear axle with double hydraulic system	Oil bath with servo brake on front and rear axle with double hydraulic system	Oil bath with servo brake on front axle with double hydraulic system
Parking braking	Negative actuation with electrical control	Negative actuation with electrical control	Negative actuation with electrical control

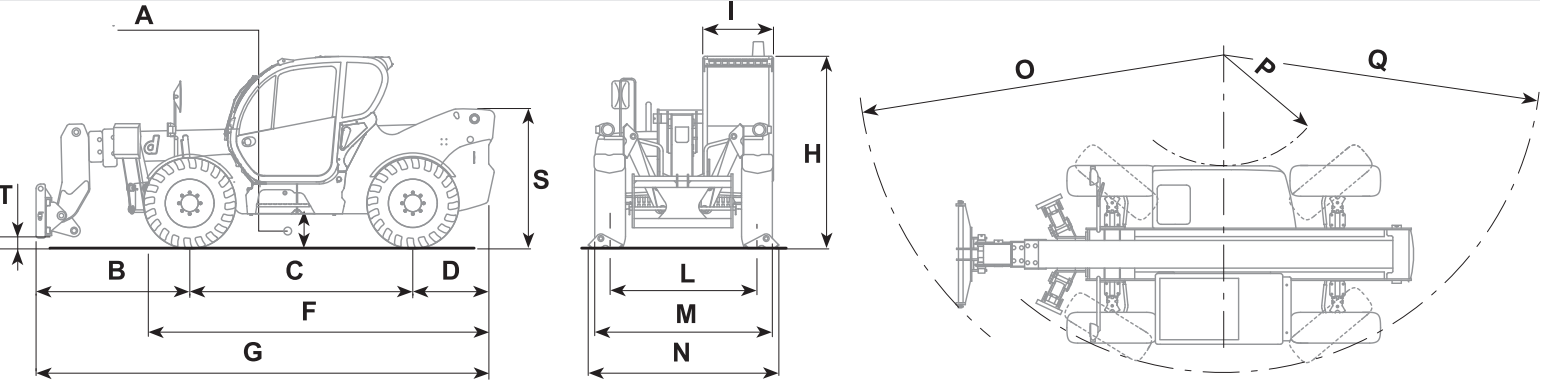
HYDRAULIC SYSTEM			
Vehicle model	ICARUS 45.14 - GD	ICARUS 45.17 - GD	ICARUS 60.18 -GD
Hydraulic pump type	No. 1 gear pump for power steering and boom movements.	No. 1 gear pump for power steering and boom movements.	Gear pump for power steering and movements
Hydraulic pump capacity	114 l/min (30.1 gal/min)	114 l/min (30.1 gal/min)	114 l/min (30.1 gal/min)
Max. operating pressure	26 MPa (3771 psi)	26 MPa (3771 psi)	26 MPa (3771 psi)
Distributor control	4 in 1 proportional electrical Joystick with FNR	4 in 1 proportional electrical Joystick with FNR	4 in 1 proportional electrical Joystick with FNR
Distributor type	Full electric proportional hydraulic	Full electric proportional hydraulic	Full electric proportional hydraulic
Outriggers	2 with proportional control and independent from the cab	Two with proportional control and independent from the cab	Two with proportional control and independent from the cab

FILLING			
Vehicle model	ICARUS 45.14 - GD	ICARUS 45.17 - GD	ICARUS 60.18 -GD
Hydraulic system (total)	174 l (45.97 gal)	174 l (45.97 gal)	190 l (50.19 gal)
Diesel tank	120 l (31.70 gal)	120 l (31.70 gal)	120 l (31.70 gal)

TYRES			
Vehicle model	ICARUS 45.14 - GD	ICARUS 45.17 - GD	ICARUS 60.18 -GD
Standard tires	405/70-24	405/70-24	440/80-24"

DIMENSIONS

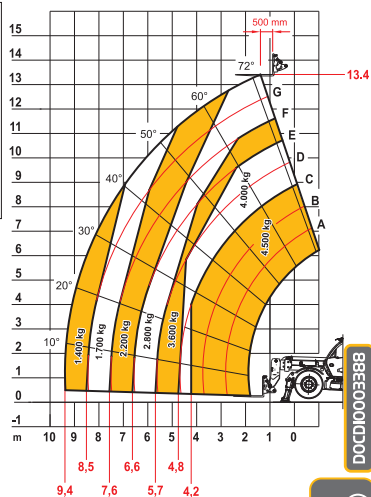
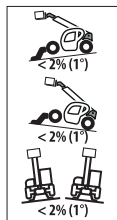
Vehicle model	ICARUS 45.14 - GD	ICARUS 45.17 - GD	ICARUS 60.18 -GD
A	390 mm (15.4 in)	390 mm (15.4 in)	460 mm (18.1 in)
B	1900 mm (74.8 in)	1960 mm (77.2 in)	2230 mm (87.8 in)
C	3050 mm (120.1 in)	3050 mm (120.1 in)	3300 mm (129.9 in)
D	1255 mm (49.4 in)	1255 mm (49.4 in)	1370 mm (53.9 in)
E1	2805 mm (110.4 in)	2805 mm (110.4 in)	2935 mm (115.6 in)
F	4890 mm (192.5 in)	4890 mm (192.5 in)	5350 mm (210.6 in)
G	6200 mm (244.1 in)	6260 mm (246.5 in)	6900 mm (271.7 in)
H	2530 mm (99.6 in)	2530 mm (99.6 in)	2670 mm (105.1 in)
I	960 mm (37.8 in)	960 mm (37.8 in)	960 mm (37.8 in)
L	1970 mm (77.6 in)	1970 mm (77.6 in)	2050 mm (80.7 in)
L1	6340 mm (249.6 in)	6455 mm (254.1 in)	7095 mm (279.3 in)
K01	32°	32°	30°
K03	10°	10°	10°
K06	147°	147°	145°
K07	14°	14°	14°
K08	120°	120°	120°
M	2390 mm (94.1 in)	2390 mm (94.1 in)	2440 mm (96.1 in)
M1	2030 mm (79.9 in)	2030 mm (79.9 in)	2420 mm (95.3 in)
O1	7400 mm (291.3 in)	7465 mm (293.9 in)	8100 mm (318.9 in)
P	1405 mm (55.3 in)	1405 mm (55.3 in)	1250 mm (49,2 in)
P1	50 mm (2.0 in)	50 mm (2.0 in)	60 mm (2.4 in)
Q	4140 mm (163.0 in)	4140 mm (163.0 in)	3970 mm (156.3 in)
Q1	1200 mm (47,2 in)	1200 mm (47,2 in)	1525 mm (60.0 in)
R	4140 mm (163.0 in)	4140 mm (163.0 in)	4160 mm (163.8 in)
R1	1220 mm (48.0 in)	1220 mm (48.0 in)	1230 mm (48.4 in)
S	1800 mm (70.9 in)	1800 mm (70.9 in)	2152 mm (84.7 in)
S1	120 mm (4.7 in)	120 mm (4.7 in)	130 mm (5.1 in)
T	155 mm (6.1 in)	98 mm (3.9 in)	80 mm (3,1 in)
T1	5635 mm (221.9 in)	5675 mm (223.4 in)	5834 mm (229.7 in)
U1	4230 mm (166.5 in)	4275 mm (168.3 in)	4767 mm (187.7 in)
V1	10260 mm (403.9 in)	10360 mm (407.9 in)	10965 mm (431.7 in)



MAX
4500 kg



MAX
12,5 m/s
45 km/h
28 mph



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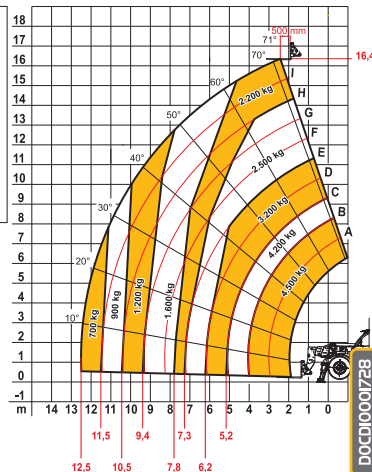
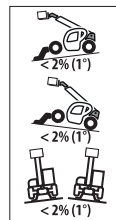
EN 1459-1 - ISO 10896-1 - ISO 22915-14

45.14

MAX
4500 kg



MAX
12,5 m/s
45 km/h
28 mph



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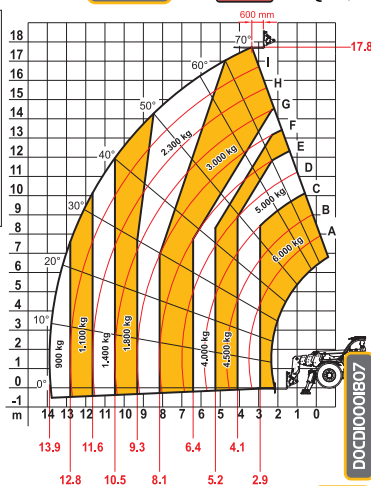
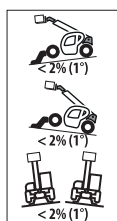
EN 1459-1 - ISO 10896-1 - ISO 22915-14

45.17

MAX
6000 kg



MAX
12,5 m/s
45 km/h
28 mph



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EN 1459-1 - ISO 10896-1 - ISO 22915-14

60.18