

DAILY

**35S17 HI-MATIC
NEW DAILY EURO 5b+ (FIC 3.0l)**



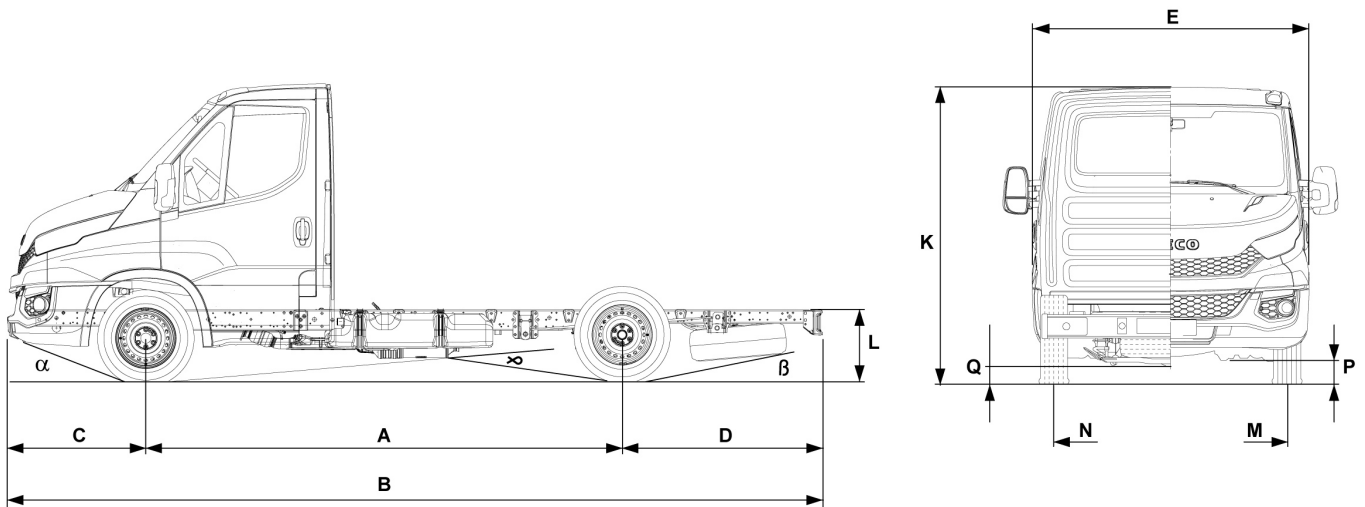
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IVECO

List of linked VCB

VCB Code	Gearbox	Wb	Cabin	Drive
8BEAIAEI	ZF 8HP	3000	LSTS	LHD
8BEAIAEA	ZF 8HP	3000	LSTD	RHD
8BEAIBEI	ZF 8HP	3450	LSTS	LHD
8BEAIBEA	ZF 8HP	3450	LSTD	RHD
8BEAIEEI	ZF 8HP	3750	LSTS	LHD
8BEAIEEA	ZF 8HP	3750	LSTD	RHD
8BEAIEEI	ZF 8HP	4100	LSTS	LHD
8BEAIEEA	ZF 8HP	4100	LSTD	RHD

Weights & dimensions



3000 3450 3750 4100

Overall length (over RUP) (B)	5028	5913	6523	6523
Max width over wings (cab) (E)	2010	2010	2010	2010
Front axle to front of body (H)	1410	1410	1410	1410
Frame height end of frame, unladen(L)	705	714	720	705
Frame height front axle, unladen	558	557	553	556
Frame height rear axle, unladen	670	670	670	669
Front overhang (C)	1008	1008	1008	1008
Rear overhang (D)	1020	1455	1765	1415
Minimum ground clearance (front)	135	136	136	165
Minimum ground clearance (rear)	232	233	233	171
Overall height to top of cab, unladen(K)	2245	2237	2233	2229
Turning diameter kerb to kerb	10546	11876	12764	13800

Weights & dimensions

	3000	3450	3750	4100
Turning diameter wall to wall	11200	12536	13428	14466
Front track (M)	1740	1740	1740	1740
Rear track (N)	1704	1704	1704	1704
Approach angle (°)	16.3	16.6	16.7	17
Departure angle (°)	18.7	14	12.9	15.58
Ramp angle (°)	20.8	18	16.5	15.08
Left hand drive vehicle drawing	5801824100	5801824110	5801824114	5801824121
Total vehicle kerb weight	1788	1807	1822	1829
Kerbweight - F.A.	1342	1358	1366	1366
Kerbweight - R.A.	446	449	456	463
G.V.W. (EC)	3500	3500	3500	3500
Plated weight on F.A. (EC)	1900	1900	1900	1900
Plated weight on rear axle (EC)	2240	2240	2240	2240
Trailer weight (inertia brake)	3500	3500	3500	3500
Max body & Payload (EC)	1712	1693	1678	1671
Side members thickness	3	3	3	3
Side members max height	150	150	150	150
Flange width	56	56	56	56
Frame width at rear	860	860	860	860

Note:

The "Total vehicle kerb weight" considers the minimum kerb weight with minimum options.

Model Components
FCP - MT - 3,5 - 3,5 ton. single wheels
Weights (in general)

GVW (kg)	3500
GCW (kg)	7000

Notes:
The weights are indicated more precisely in the section: "Weights and dimensions"
The values of GVW / GCW can vary according to the markets and the homologations.

FCP - CA - 4X2 - 4x2
Configuration

Axle Configuration	4 X 2
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FCP - VE - CABINAT - Rigid
Version

Version	CHASSIS CAB
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FCP - DR - SX - LH drive
Drive

Left

FCP - DR - DX - RH drive
Drive

Right

FTP - EN - FICFL41IH - Engine FIC 170hp Euro5+ LD VGT
Engine

Manufacturer	FPT
Position	FRONT
Arrangement	LONGITUDINAL
Cycle	DIESEL
Aspiration type	TC+AFTERCOOLER
Injection type	Unijet common rail - 16 valves
4 Stroke / 2 Stroke cycle	4
No. of cylinders	4
Cylinders layout	IN-LINE
Bore (mm)	95.8
Stroke (mm)	104
Total displacement cm ³	2998
Exhaust gas treatment	EGR
(Torque, generic ref. only. See: "EP")	430

Engine - Miscellaneous

Injection system	HIGH PRESSURE / COMMON RAIL
Cold starting type	THERMOSTARTER

Cooling

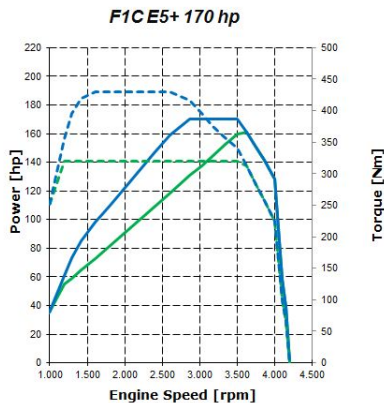
Cooling system	water
Fan type	electromagnetic

Air intake

Filter type	DRY
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Model Components

FCP - EP - 170 EU5 - ENGINE FIC 170CV EURO 5 LD



Engine

Power kW	125
Power Hp	170
Rpm at Max Power	3500
Torque Nm	430
Rpm l/min (min)	800
rpm (min. "Max Torque" eng. speed)	1600
Type of turbocharging	VGT

FTP - GB - ZF 8HP - Automatic 8-speed ZF Gearbox

Gearbox

Gearbox Type	AUTOMATIC
Installation	ENGINE FLANGED
Box material	ALUMINIUM
Dry weight Kg	81
Max input torque Nm	470
No. of gears (forward)	8
No. of reverse gears	1

Gear ratios

Gear ratio: 1st gear	4.71
Gear ratio: 2nd gear	3.14
Gear ratio: 3rd gear	2.1
Gear ratio: 4th gear	1.67
Gear ratio: 5th gear	1.29
Gear ratio: 6th gear	1
Gear ratio: 7th gear	.84
Gear ratio: 8th gear	.67
Gear ratio: rev. 1st	3.3
Gear Ratio: Last Gear	.67

With a torque up to 470 Nm and thanks to the electronic control of gear changing, Hi-Matic is perfect for high performance engines up to 205 HP.

Electronic control allows to select between two modes of use, specific to the type of journey:

ECO: setting during which smooth shifting at low speeds is performed to emphasize comfort and minimize energy consumption.

POWER: the transmission performs faster gear changes at higher speeds, ensuring a precise engagement of gear ratios for performing drive.

FTP - RA - NDA RS - NDA Single Wheels (ex 450210)

Other features

Axle Type	RIGID
Axle weight without susp. and tyres (Kg)	134
Reduction type	single

Brakes

Brakes according to standards	EC
Brake type	Disc

Model Components
FTP - FS - AMB017N - Ind. wheel transverse spring 17 q
Suspensions

Springs material	STEEL
Front Axle Suspension Type	Independent wheels, transversal leaf

Shock absorbers

Shock absorbers type	HYDRAULIC TELESCOPIC
Shock absorbers no. (front)	2

Features of the brakes (front wheels) :

29L / 35S : 2 calipers, diameter 48 mm - disc: diameter 300 mm, thickness: 28 mm

FTP - RS - PMA022N - Leaf springs 22 q.
Shock absorbers

Shock absorbers type	HYDRAULIC TELESCOPIC
Shock absorbers no. (rear)	2

Note:

Models 35C../ 70C.. chassis cab, crew cab are equipped with single acting semielliptic springs.

Models 35C.../ 70C... vans,combi,chassis cowl are equipped with dual-leaf parabolic springs.

Models 29L.. / 35S.. chassis cab,vans, combi,crew cab, chassis cowl (only 35S) are equipped with single leaf parabolic springs.

FTP - FR - AA04710RI - Chassis 144 x 53 x 3
Chassis (mm)

Frame section	PARALLEL
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Chassis / W.B.

Section shape	"C"
Side members material	STEEL

FTP - FR - AA05605RI - Chassis 144 x 53 x 3
Chassis (mm)

Frame section	PARALLEL
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Chassis / W.B.

Section shape	"C"
Side members material	STEEL

FTP - FR - AA06215RI - Chassis 144 x 53 x 3
Chassis (mm)

Frame section	PARALLEL
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Chassis / W.B.

Section shape	"C"
Side members material	STEEL

FCS - M0000 - 04488 - SYSTEM ESP 9
Braking system

Features	-
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Model Components

Braking system:

Dual circuit configuration; cross split on 29L - 35S / independent from 35C up to 70C.
 Hydraulically operated with vacuum servo assistance.
 Full disc brakes with floating calipers with auto wear adjustment.
 Mechanically controlled parking brake:
 29L / 35S / 35C (brake calipers)
 40C / 45 / 50C / 60C / 65C / 70C (drum)
 Brake fluid level indicator-front / rear pad wear indicator.
 Asbestos free pads.
 EASY interface.

Notes:

On Daily 2014 the ESP 9 system is standard for all the range. It is the latest evolution among the Electronic vehicle stability controls and is an advanced system for active and preventive safety in all weather and road conditions. Prevents the loss of vehicle control caused by:

High speed
 Wrong evaluation of the road lay-out
 Sudden vehicle skid
 Trying to avoid an obstacle
 Sudden vehicle steering

ESP9 includes ABS (Antilock Braking System), EBD (Electronic Brake force Distribution), ASR (Anti Slip Regulator), MSR (Motor Schlepplmoment Regelung that acts on engine speed to reduce the braking torque in release), Hill Holder (Assited uphill departure), HBA (Hydraulic Brake Assist), LAC (Load Adaptive Control), TSM (Trailer sway mitigation. It detects the presence of a trailer and adapts the electronic stability control strategy in order not to negatively influence the dynamics of the vehicle-trailer system), RMI (Roll Movement Intervention. It mitigates dangerous roll-over situations during highly dynamic driving like e.g. evasive manoeuvre), ROM (Roll Over Mitigation. It mitigates dangerous roll-over situations during almost stationary manoeuvres like circular driving with steadily increasing steering wheel angle).

FTP - CL - LSTS - Light Cab LH

Cab	
Manufacturer	IVECO
Cab type	SEMI-ADVANCED FIRM
Material	STEEL PLATE
Steps no.	1
Roof	
Roof type	LOW
Dimensions	
Front Area	3.8
Air Penetration Coefficient	.7
Doors	
Front doors no.	2
Front doors type	WINDOW SASH
Front doors opening angle	64°
Window operation	MANUAL ON RIGHT - MANUAL ON LEFT
Rear view mirrors	
Rear view mirr no	2
Mirrors control	MANUAL
Heating	
Fan speed no.	4
Heating control	MANUAL
Windscreen wiper	
No. of windscreen wiper speeds	3
No. of windscreen wipers	2
Seats	
No. of places	3
No. of seats	2
Driver seat adjustme	IN HEIGHT, LENGTH AND BACK INCLINATION

Model Components

Passenger seat type TWO SEATS BENCH

Miscellaneous

Safety belts points

Sun visors no. 2

Ceiling no. 1

Lighter

CB pre-wiring

Chassis cab

Doorway lever

Glove compartment

Cab floor COVERED WITH SYNTHETIC MATERIAL

Monolithic execution

Plastic covering

Model Components

Remarks:

Anti-corrosion protection includes full cathoretic dipping with galvanized boxed sections and strategic use of zinc plated panels in vulnerable areas. Protective under seal for all under body cabin area, wheel housing and engine area.

Interior equipment:

Storage compartments with bottle holder, pool cup for mobile phone, arm rests on the doors, shelves in overhead console, shelves at floor level below seats, interior lights, 2 spotlights, 4 loud-speakers, gearshift lever on dashboard.

Passenger's seat:

Fixed, 2 seats bench with drawer under seat.

Floor:

Covered with rubber mats.

Central console:

Storage compartments, glove box compartments on the top of the dashboard, central panel, adjustable air vents, ash-trays, lighter, heating control, cooled compartment (with opt. air conditioning).

Exterior equipment:

Close proximity mirror on passenger's side, steps on both sides, front bumper, mudguard, fog lights.

Handles on both sides, handle on A-pillar (with opt), rear underrun protection, rear lights crossbar. New battery position under driver step.

In cab equipment (it can vary according to the markets / homologations; for a complete list of Daily options please contact local Iveco distributor) :

Indicator lamps, on cluster:

- Parking brake
- Brakes failure
- Directions indicators
- Generic failure
- Seat belts not fastened
- Fog lights
- High beams
- Wing lights
- External lights failure
- Rear fog light(s)
- Open doors
- Fuel gauge
- Tachograph failure
- Coolant temperature
- EOBD
- Engine preheating
- Water in fuel filter
- Clogged air filter
- Clogged fuel filter

Multifunction stalks:

(Left) direction - Wing / Highbeam / Lowerbeam - Headlamp flash - Horn - Front fog lights (right).

New Daily 2014 is equipped with DRL (Daytime Running Lights).

For more security "side light / parking light" switch on automatically at every Key ON, so that the vehicle is more visible by daytime, too. The driver cannot by any means switch them off.

Windscreen wiper with intermittent wipe.

Steering wheel with secure and comfortable grip (ø 390 mm / inclination 42°).

FTP - CL - LSTD - Light Cab RH

Cab	
Version	SHORT CAB
Cab type	SEMI-ADVANCED FIRM
Material	STEEL PLATE
Steps no.	1
Roof	
Roof type	LOW
Dimensions	
Front Area	3.8
Air Penetration Coefficient	.7

Model Components

Doors

Front doors no.	2
Front doors type	WINDOW SASH
Front doors opening angle	64°
Window operation	MANUAL ON RIGHT - MANUAL ON LEFT

Rear view mirrors

Rear view mirr no	2
Mirrors control	MANUAL

Heating

Fan speed no.	4
Heating control	MANUAL

Windscreen

Windscreen type	STRENGTHENED - LAMINATED, ATHERMIC
Windscreen according to standards	EEC

Windscreen wiper

No. of windscreen wiper speeds	3
No. of windscreen wipers	2

Seats

No. of places	3
No. of seats	2
Driver seat adjustme	IN HEIGHT, LENGTH AND BACK INCLINATION
Passenger seat type	TWO SEATS BENCH

Miscellaneous

Safety belts points	
Sun visors no.	2
Ceiling no.	1
Lighter	

CB pre-wiring

Windows

Side rear windows

Chassis cab

Doorway lever	
Glove compartment	
Cab floor	COVERED WITH SYNTHETIC MATERIAL

Remarks:

Storage compartments with bottle holder, defrost system for door windows, arm rests on the doors.

Anti-corrosion protection includes full cathoretic dipping with galvanized boxed sections and strategic use of zinc plated panels in vulnerable areas. Protective under seal for all under body cabin area, wheel housing and engine area. Steel bumper and side mouldings.

Passenger's seat:
Fixed, 2 seats bench

Floor:
Covered with rubber mats

Interior equipment:
Storage compartments, central panel, adjustable air vents, ash-trays, lighter, heating control, cooled compartment (with opt. air conditioning)

Exterior equipment:
Close proximity mirror on passenger's side, steps on both sides, front bumper, mudguard, fog lights
Handles on both sides, handle on A-pillar, rear underrun protection, spare wheel, rear lights crossbar

FCS - D7000 - 02307 - STEEL WHEELS**Wheels**

Rim type	DISC
Rim material	STEEL

Model Components

FCS - I0000 - 20187 - TYRES 225/65 R16

Tyres

Load index	112/110
Rolling circumference m.	2.112
Axle 2 Mounting	SINGLE
Dinamic Radius m	.336
Rolling resistance Coefficient	.007

FCS - I0000 - 20186 - TYRES 235/65 R16

Tyres

Load index	110/108
Rolling circumference m.	2.132
Dinamic Radius m	.339
Rolling resistance Coefficient	.007

FCS - D0000 - 00003 - REAR AXLE RATIO 4.44

Rear Axle Ratios

Rear axle ratio	4.44
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FCS - D0000 - 06010 - REAR AXLE RATIO 3.60

Rear Axle Ratios

Rear axle ratio	3.615
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FCS - D0000 - 08171 - 5.14 REAR AXLE RATIO

Rear Axle Ratios

Rear axle ratio	5.14
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FCS - D0000 - 02001 - 2.93 REAR AXLE RATIO

Rear Axle Ratios

Rear axle ratio	2.93
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FCS - MPN00 - 00567 - 110 AH BATTERIES

Electrics

Batteries capacity V/Ah	12 V / 110 Ah
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FDP: A30C MARKET: I100 Model: 35S17A8

Calculations

Tyres :	20187 - TYRES 225/65 R16	Rear Axle Ratio :	3 - R. AXLE RATIO 4.44
Efficiency :	0.93	No Transfer Box	

VCB Code	Ratios		Speed Km/h	Max Gradeability										
	ZF 8HP	NDA RS		Total Weights (solo vehicle) (Kg)				Total Weights (vehicle+trailer) (Kg)						
8BEA1AEI		4.44	21.21	3500					7000					
	I°			4.71	100					38.01				
	L.			.67	149.09	7.9					3.59			

Tyres :	20187 - TYRES 225/65 R16	Rear Axle Ratio :	2001 - 2.93 REAR AXLE RATIO
Efficiency :	0.93	No Transfer Box	

VCB Code	Ratios		Speed Km/h	Max Gradeability										
	ZF 8HP	NDA RS		Total Weights (solo vehicle) (Kg)				Total Weights (vehicle+trailer) (Kg)						
8BEA1AEI		2.93	32.14	3500					7000					
	I°			4.71	53.33					23.83				
	L.			.67	160	2.12					.71			

Tyres :	20187 - TYRES 225/65 R16	Rear Axle Ratio :	2007 - 3.91 REAR AXLE RATIO
Efficiency :	0.93	No Transfer Box	

VCB Code	Ratios		Speed Km/h	Max Gradeability										
	ZF 8HP	NDA RS		Total Weights (solo vehicle) (Kg)				Total Weights (vehicle+trailer) (Kg)						
8BEA1AEI		3.91	24.08	3500					7000					
	I°			4.71	81.32					32.83				
	L.			.67	160	6.15					2.72			

Tyres :	20187 - TYRES 225/65 R16	Rear Axle Ratio :	6010 - R. AXLE RATIO 3.60
Efficiency :	0.93	No Transfer Box	

VCB Code	Ratios		Speed Km/h	Max Gradeability										
	ZF 8HP	NDA RS		Total Weights (solo vehicle) (Kg)				Total Weights (vehicle+trailer) (Kg)						
8BEA1AEI		3.615	26.05	3500					7000					
	I°			4.71	71.7					30.06				
	L.			.67	160	5.08					2.19			

Tyres :	20187 - TYRES 225/65 R16	Rear Axle Ratio :	8171 - 5.14 REAR AXLE RATIO
Efficiency :	0.93	No Transfer Box	

VCB Code	Ratios		Speed Km/h	Max Gradeability										
	ZF 8HP	NDA RS		Total Weights (solo vehicle) (Kg)				Total Weights (vehicle+trailer) (Kg)						
8BEA1AEI		5.14	18.32	3500					7000					
	I°			4.71	100					45.28				
	L.			.67	128.79	9.99					4.63			