

DAILY

**35S13 V HI-MATIC
NEW DAILY EURO 5b+ (FIA 2.3l)**



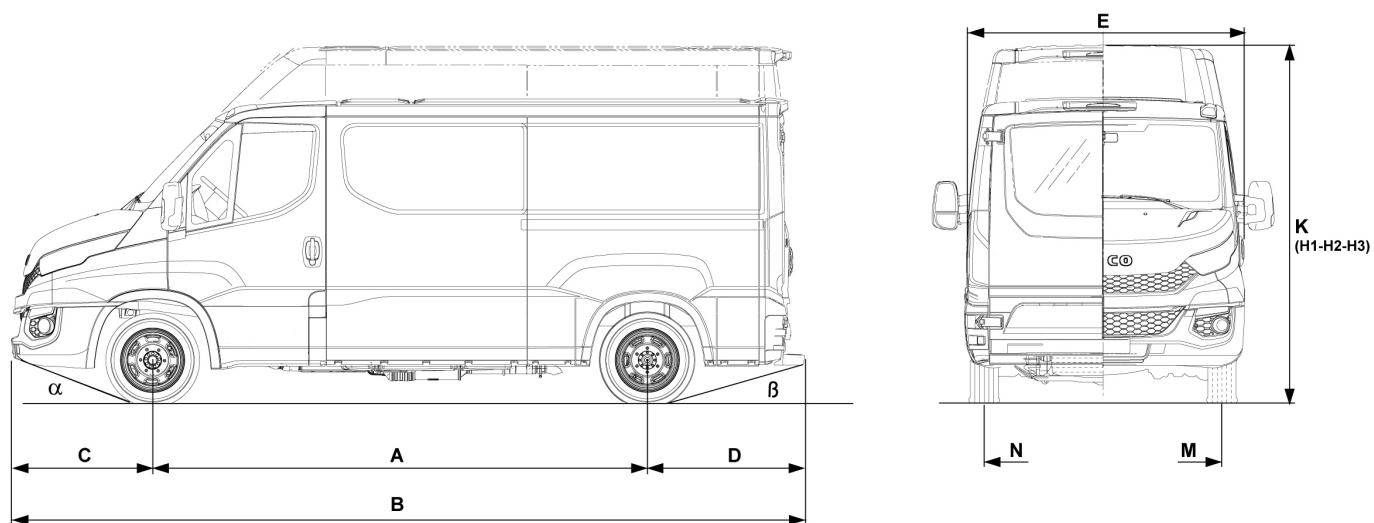
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IVECO

List of linked VCB

VCB Code	Gearbox	Wb	Tetto	Drive
8LBA4AE1	ZF 8HP	3000	1545 (H1)	LHD
8LBA4AEA	ZF 8HP	3000	1545 (H1)	RHD
8LBA4CE1	ZF 8HP	3520	1545 (H1)	LHD
8LBA4CE2	ZF 8HP	3520	1900 (H2)	LHD
8LBA4CEA	ZF 8HP	3520	1545 (H1)	RHD
8LBA4CEB	ZF 8HP	3520	1900 (H2)	RHD
8LBA4DE2	ZF 8HP	3520L	1900 (H2)	LHD
8LBA4DE3	ZF 8HP	3520L	2100 (H3)	LHD
8LBA4DEB	ZF 8HP	3520L	1900 (H2)	RHD
8LBA4DEC	ZF 8HP	3520L	2100 (H3)	RHD
8LBA4HE2	ZF 8HP	4100	1900 (H2)	LHD
8LBA4HE3	ZF 8HP	4100	2100 (H3)	LHD
8LBA4HEB	ZF 8HP	4100	1900 (H2)	RHD
8LBA4HEC	ZF 8HP	4100	2100 (H3)	RHD

Weights & dimensions



	3000 HI	3520 HI	3520 H2	3520L H2	3520L H3	4100 H2	4100 H3
Total length (B)	5149	5669	5669	6047	6047	7234	7234
Total length without footstep	5038	5558	5558	5963	5963	7128	7128
Max width (E)	2010	2010	2010	2010	2010	2010	2010
Front overhang (C)	1008	1008	1008	1008	1008	1008	1008
Rear overhang (D)	1141	1141	1141	1519	1519	2126	2126
Rear overhang without footstep	1030	1030	1030	1435	1435	2020	2020
Overall height to top of cab, unladen(K)	2280	2280	2660	2660	2860	2660	2860
Turning diameter kerb to kerb	10546	12084	12084	12084	12084	13800	13800
Turning diameter wall to wall	11200	12744	12744	12744	12744	14466	14466
Front track (M)	1740	1740	1740	1740	1740	1740	1740
Rear track (N)	1704	1704	1704	1704	1704	1704	1704
Volume (m ³)	7.3	9	10.8	12	13.4	16	18
Internal height van (mm)	1545	1545	1900	1900	2100	1900	2100
Internal width van (mm)	1740	1740	1740	1740	1740	1740	1740
Van internal length (mm)	2610	3130	3130	3540	3540	4680	4680
Floor height (unladen)	675	675	675	680	680	680	680
Wheelhouses distance (mm)	1317	1317	1317	1317	1317	1317	1317
Approach angle (°)	10.38	10.67	10.67	10.67	10.67	10.91	10.91

Weights & dimensions

	3000 HI	3520 HI	3520 H2	3520L H2	3520L H3	4100 H2	4100 H3
Departure angle (°)	15.72	16.03	16.03	11.7	11.69	10.4	10.4
Left hand drive vehicle drawing	5801846982	5801846983	5801846983	5801846984	5801846985	5801846986	5801846987
Rear door(s) height (mm)	1450	1450	1800	1800	2000	1800	2000
Side door(s) width (mm)	1100	1260	1260	1260	1260	1260	1260
Side door(s) height (mm)	1425	1425	1800	1800	1800	1800	1800
Total vehicle kerb weight	2131	2170	2210	2235	2257	2325	2422
Kerbweight - F.A.	1346	1256	1309	1243	1248	1305	1334
Kerbweight - R.A.	785	914	901	992	1009	1020	1088
G.V.W.	3500	3500	3500	3500	3500	3500	3500
Plated weight on front axle	1900	1900	1900	1900	1900	1900	1900
Plated weight on rear axle	2240	2240	2240	2240	2240	2240	2240
Max body & payload	1369	1330	1290	1265	1243	1175	1078
Rear door(s) width (mm)	1530	1530	1530	1530	1530	1530	1530

Notes:

For "Van internal length" is considered the "Load compartment length".

The "Overall height to top of cab, unladen (K)" is the maximum height referred to a vehicle with a QUAD-TOR suspension.

The "Total vehicle kerbweight" considers the minimum kerbweight with minimum optionals.

The "Side door(s) width" considers the maximum width up to 780mm height.

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 - FURGONE - Van
Version

Version	VAN
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Model Components

Remarks:

Anti-corrosion protection includes full cathophoretic 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°).

FCP - DR - SX - LH drive

Drive

Left

FCP - DR - DX - RH drive

Drive

Right

FTP - EN - FIAFL411B - FIA Engine 126hp Euro5+ LD WG

Engine

Manufacturer

FPT

Position

FRONT

FDP: A30V MARKET: I100 Model: 35S13A8 V

Model Components

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)	88
Stroke (mm)	94
Total displacement cm ³	2287
Exhaust gas treatment	EGR
(Torque, generic ref. only. See: "EP")	320

Engine - Miscellaneous

Injection system	HIGH PRESSURE / COMMON RAIL
Cold starting type	THERMOSTARTER

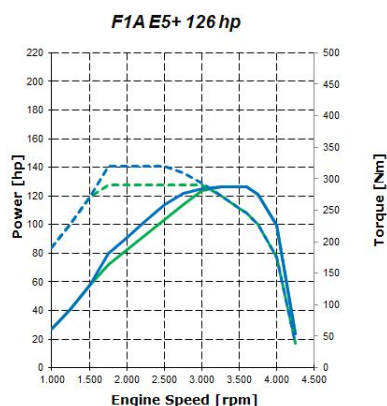
Cooling

Cooling system	water
Fan type	electromagnetic

Air intake

Filter type	DRY
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FCP - EP - I26 EU5 - ENGINE F1A I26CV EURO 5 LD



Engine

Power kW	93
Power Hp	126
Rpm at Max Power	3600
Torque Nm	320
Rpm l/min (min)	800
rpm (min. "Max Torque" eng. speed)	1800
Type of turbocharging	with waste gate valve

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

Model Components

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

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 - AA04640PI - Van Chassis I44 x 53 x 3

Chassis (mm)

Frame section	PARALLEL
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Chassis / W.B.

Section shape	"C"
Wheelbase mm	3000
Side members material	STEEL

FTP - FR - AA05560PI - Van Chassis I44 x 53 x 3

Chassis (mm)

Frame section	PARALLEL
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Model Components
Chassis / W.B.

Section shape	"C"
Wheelbase mm	3300
Side members material	STEEL

FCS - M0000 - 04488 - SYSTEM ESP 9
Braking system

Features —

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 Schlepptomment 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 - BD - FN2615S - Van HI - wheelbase 3000 - LH
Loading compartment

Side door(s) No.	1
Side door(s) type	Sliding
Rear doors No.	2
Rear doors type	Side hung

Cabin

Type of cabin	Semi-forward
Structure material	steel plate
No. of places	3
No. of seats	2
Windscreen according to standards	EEC
Cabin doors no.	2
Wind-up window type	manual on right - manual on left

FTP - BD - FN2615D - Van HI - wheelbase 3000 - RH
Loading compartment

Side door(s) No.	1
Side door(s) type	Sliding
Rear doors No.	2
Rear doors type	Side hung

Model Components

Cabin

Type of cabin	Semi-forward
Structure material	steel plate
No. of places	3
No. of seats	2
Windscreen according to standards	EEC
Cabin doors no.	2
Wind-up window type	manual on right - manual on left

FTP - BD - FN3115S - Van H1 - 3520 - Sx

Loading compartment

Side door(s) No.	1
Side door(s) type	Sliding
Rear doors No.	2
Rear doors type	Side hung

Cabin

Type of cabin	Semi-forward
Structure material	Steel
No. of places	3
No. of seats	2
Cabin doors no.	2

FTP - BD - FN3119S - Van H2 - 3520 - Sx

Loading compartment

Side door(s) No.	1
Side door(s) type	Sliding
Rear doors No.	2
Rear doors type	Side hung

Cabin

Type of cabin	Semi-forward
Structure material	steel plate
No. of places	3
No. of seats	2
Windscreen according to standards	EEC
Cabin doors no.	2
Wind-up window type	full electrical

FTP - BD - FN3521S - Van H3 - wheelbase 3520L - Sx

Loading compartment

Side door(s) No.	1
Side door(s) type	Sliding
Rear doors No.	2
Rear doors type	Side hung

Cabin

Type of cabin	Semi-forward
Structure material	steel plate
No. of places	3
No. of seats	2
Windscreen according to standards	EEC
Cabin doors no.	2
Wind-up window type	full electrical

FTP - BD - FN4719S - Van H2 - wheelbase 4100 Sx

Loading compartment

Side door(s) No.	1
Side door(s) type	Sliding
Rear doors No.	2

FDP: A30V MARKET: I100 Model: 35S13A8 V
Model Components

Rear doors type	Side hung
Cabin	
Type of cabin	Semi-forward
Structure material	steel plate
No. of places	3
No. of seats	2
Windscreen according to standards	EEC
Cabin doors no.	2
Wind-up window type	full electrical

FTP - BD - FN472IS - Van H3 - wheelbase 4100 - Sx
Loading compartment

Side door(s) No.	1
Side door(s) type	Sliding
Rear doors No.	2
Rear doors type	Side hung

Cabin

Type of cabin	Semi-forward
Structure material	steel plate
No. of places	3
No. of seats	2
Windscreen according to standards	EEC
Wind-up window type	full electrical

FCS - D7000 - 02307 - STEEL WHEELS
Wheels

Rim type	DISC
Rim material	STEEL

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 - 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 - 06056 - 4.22:1 REAR AXLE RATIO
Rear Axle Ratios

Rear axle ratio	4.22
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FDP: A30V MARKET: 1100 Model: 35S13A8 V

Model Components

FCS - MPN00 - 00567 - 110 AH BATTERIES

Electrics

Batteries capacity V/Ah

12 V / 110 Ah

FDP: A30V MARKET: I100 Model: 35S13A8 V

Calculations

Tyres : 20186 - TYRES 235/65 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)					
8LBA4CE2	I°	4.71	3.615	27.05	3500					7000				
	L.	.67		160	47.3					21.51				
					1.67					.48				

Tyres : 20186 - TYRES 235/65 R16

Rear Axle Ratio : 6056 - 4.22 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)					
8LBA4CE2	I°	4.71	4.22	23.17	3500					7000				
	L.	.67		160	57.83					25.47				
					3.73					1.51				

Tyres : 20186 - TYRES 235/65 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)					
8LBA4CE2	I°	4.71	5.14	19.02	3500					7000				
	L.	.67		133.72	77.3					31.71				
					6.23					2.76				

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)					
8LBA4AE1	I°	4.71	3.615	26.79	3500					7000				
	L.	.67		160	47.84					21.72				
					2.23					.77				
8LBA4DE3	I°	4.71	3.615	26.79	3500					7000				
	L.	.67		160	47.82					21.71				
					1.45					.37				

Tyres : 20187 - TYRES 225/65 R16

Rear Axle Ratio : 6056 - 4.22 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)					
8LBA4AE1	I°	4.71	4.22	22.95	3500					7000				
	L.	.67		160	58.55					25.72				
					4.16					1.73				
8LBA4DE3	I°	4.71	4.22	22.95	3500					7000				
	L.	.67		160	58.53					25.72				
					3.59					1.44				

Calculations

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)									
8LBA4AE1	I°	4.71	5.14	18.84	3500							7000						
	L.	.67		132.47	78.44								32.04					
					6.56								2.92					
8LBA4DE3	I°	4.71	5.14	18.84	3500							7000						
	L.	.67		132.47	78.42								32.03					
					6.17								2.73					