

DAILY

TECHNICAL DESCRIPTION Van DAILY EURO 4 MY22



50C15/E4 V MY

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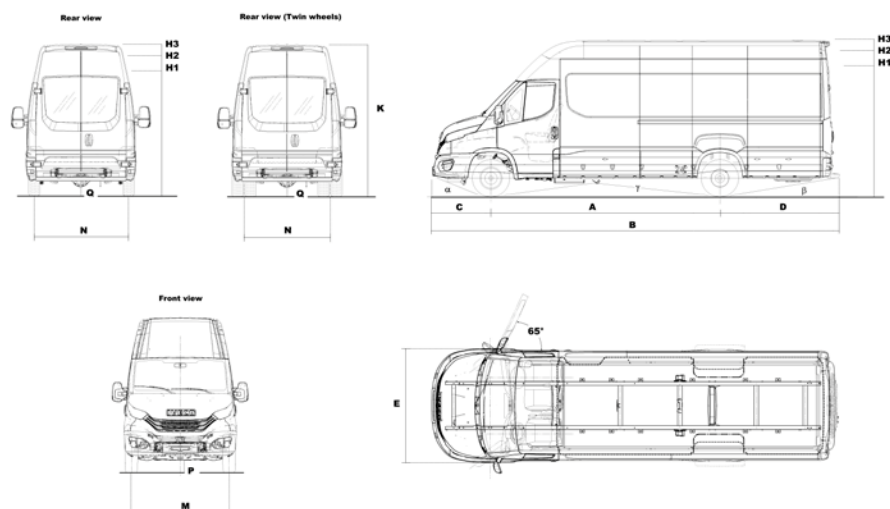
IVECO

Your partner for sustainable transport

LIST OF LINKED VCB

VCB code	Gearbox	Wheelbase	Roof	Drive
BPNB4CB1	2840.6 OD	3520	1545 (H1)	LH
BPNB4CB2	2840.6 OD	3520	1900 (H2)	LH
BPNB4DB2	2840.6 OD	3520L	1900 (H2)	LH
BPNB4HB2	2840.6 OD	4100	1900 (H2)	LH
BPNB4HB3	2840.6 OD	4100	2100 (H3)	LH
BPNB4LB2	2840.6 OD	4100L	1900 (H2)	LH
BPNB4LB3	2840.6 OD	4100L	2100 (H3)	LH

DIMENSIONS & WEIGHTS



DIMENSIONS (mm)

Wheelbase (A)	3520 H1	3520 H2	3520L H2	4100 H2	4100L H2	4100 H3	4100L H3
Max length (B)	5709	5709	6109	7274	7669	7274	7669
Total length without footstep	5598	5598	6003	7168	7538	7168	7538
Max width (E)	2052	2052	2052	2052	2052	2052	2052
Front overhang (C)	1048	1048	1048	1048	1048	1048	1048
Rear overhang (D)	1141	1141	1541	2126	2521	2126	2521
Rear overhang without footstep	1030	1030	1435	2020	2390	2020	2390
Minimum ground clearance (front) (P) (Quad-Tor)	197	197	197	197	197	197	197
Minimum ground clearance (rear) (Q) (Quad-Tor)	162	162	162	162	162	162	162
Overall height to top of cab unladen (K) with Quad-Tor	2374	2728	2734	2740	2745	2938	2943
Turning diameter kerb to kerb (Quad-Tor)	12744	12744	12744	14564	14564	14564	14564
Turning diameter wall to wall (Quad-Tor)	13366	13366	13366	15190	15190	15190	15190
Front track (M) (Quad-Tor)	1724	1724	1724	1724	1724	1724	1724
Rear track (N) (Quad-Tor)	1542	1542	1542	1542	1542	1542	1542
Approach angle α (°) (Quad-Tor)	15	15	15	15	15	15	15
Departure angle β (°) (Quad-Tor)	18	18	13	10	8	10	8
Ramp angle γ (°) (Quad-tor)	17	17	17	14	14	14	14
Volume (m ³)	9	10.8	12	16	17.5	18	19.6
Internal height van (mm)	1545	1900	1900	1900	1900	2100	2100
Internal width van (mm)	1740	1740	1740	1740	1740	1740	1740
Internal length van (mm)	3130	3130	3540	4680	5125	4680	5125
Wheelhouses distance (mm)	1032	1032	1032	1032	1032	1032	1032
Rear door(s) height (mm)	1450	1800	1800	1800	1800	2000	2000
Side door(s) width (mm)	1260	1260	1260	1260	1260	1260	1260
Side door(s) height (mm)	1425	1800	1800	1800	1800	1800	1800
Floor height, unladen (torsion bar)	769	768	776	780	784	778	783
Rear door(s) width (mm)	1530	1530	1530	1530	1530	1530	1530

Notes:

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

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

WEIGHTS (KG)

Wheelbase	3520 HI	3520 H2	3520L H2	4100 H2	4100L H2	4100 H3	4100L H3
Total vehicle kerbweight (Torsion bars)	2515	2544	2596	2795	2839	2828	2870
Kerbweight on Front Axle (Torsion bars)	1509	1514	1480	1528	1495	1531	1496
Kerbweight on Rear Axle (Torsion bars)	1006	1030	1116	1267	1344	1297	1374
G.V.W. (EC)	5200	5200	5200	5200	5200	5200	5200
Plated weight on front axle (EC)	2100	2100	2100	2100	2100	2100	2100
Plated weight on rear axle (EC)	3700	3700	3700	3700	3700	3700	3700
Trailer weight (inertia brake)	3500	3500	3500	3500	3500	3500	3500
Max body & Payload (EC) (Torsion bars)	2685	2656	2604	2405	2361	2372	2330

Note:

The "Total vehicle kerbweight" considers the minimum kerbweight with minimum optionals and it represents the Mass in Running order as defined by 1230/2012 M&D regulation.

HI			H2			H3		
Wheelbase	Type	Drawing	Wheelbase	Type	Drawing	Wheelbase	Type	Drawing
3520	Left hand drive	5803218348	3520	Left hand drive	5803218348	4100	Left hand drive	5803218350
			3520L	Left hand drive	5803218349	4100L	Left hand drive	5803218351
			4100	Left hand drive	5803218350			
			4100L	Left hand drive	5803218351			

MODEL COMPONENTS

ENGINE

Identification Code	FICE3481J
Position	FRONT
Manufacturer	FICE3481J - FPT Industrial
Commercial name	-
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
Compression ratio	17.5:1
Exhaust gas treatment	EGR
Efficiency engine and driveline	DIESEL OIL
Injection system	HIGH PRESSURE / COMMON RAIL
Injection governor type	EDC
Cold starting type	GLOW PLUGS
Emissions control	EURO3 / EURO4
Speed limiter (Km/h)	90
Cruise control	programmable
Engine brake power (kW)	/
Engine brake power (HP)	/
Engine brake (rpm)	/
Cooling system	water
Fan type	electromagnetic
Air intake	AT FRONT, UNDER BONNET
Filter type	DRY

Notes: EGR (Exhaust Gas Recirculation) is controlled by an electric valve managed by ECU engine and it is made by a cooler with more efficiency than the previous device and by a new mixer. More efficiency means a better heat exchange, a greater quantity of gas recirculation (with partial load on the accelerator pedal, too) and a more stable behaviour in time. The mixer has been enhanced to guarantee that gas recirculation distribution is homogeneous in the four engine cylinders.

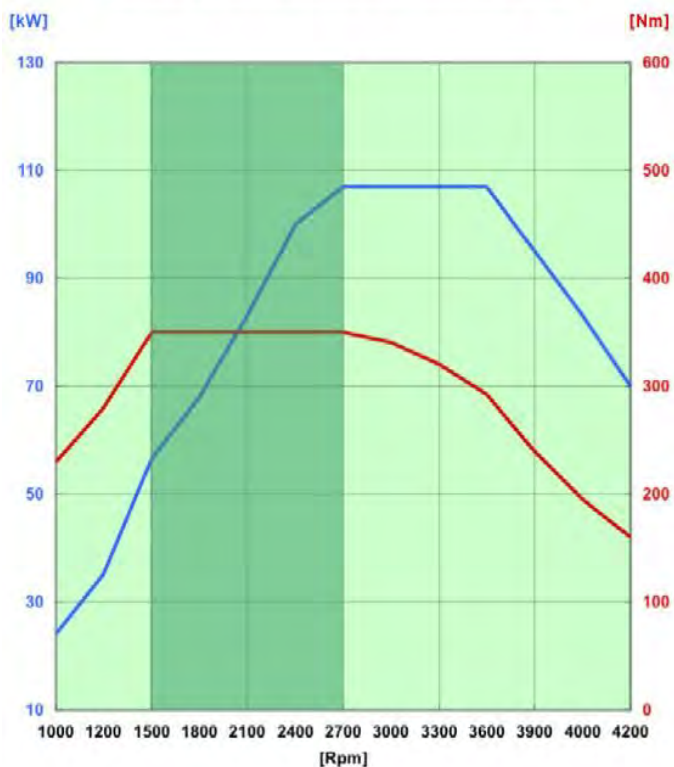
MODEL COMPONENTS

3.0 HPI - 146 HP E4

I46EU4 - Motore FIC WG I46cv Euro4 LD

Maximum power: 107 kW (146 HP) @ 3500 rpm

Maximum torque: null Kgm (350 Nm) @ 1500 rpm



DRIVELINE

GEARBOX

Gearbox model	Installation	Dry weight Kg	Max input torque Nm	No. of forward gears	No. of reverse gears				
2840.6 OD	ENGINE FLANGED	58	350	6	1				

GEAR RATIOS

Gearbox model	1st	2nd	3rd	4th	5th	6th	rev. 1st										
2840.6 OD	5.375	3.154	2.041	1.365	1	0.791	4.838										

CLUTCH

Gearbox model	Outer diameter (inches)	Release control				
2840.6 OD	11	HYDRAULIC				

REAR AXLE RATIO

Option code **00003** *

Ratio **4.44**

*: Standard axle ratio

TYRES & WHEELS

Code	Tyres	Front	Rear	Load index	Rolling circumference m
20661	Standard	195/75R16	195/75R16	110/108	2.117
20533	Optional	195/75R16	195/75R16	110/108	2.117
20664	Optional	195/75R16	195/75R16	110/108	2.117
20668	Optional	195/75R16	195/75R16	110/108	2.117

AXLES

Position	Description
Rear	450511 - Iveco S.R. rear axle

Note: Front axle: independent wheels.

MODEL COMPONENTS**PERFORMANCE**

* Max Speed. Calculated speed on the basis of engine rpm and axle ratios. Real speed limits must take into account the speed index of the tyres: K = 110 km / h L = 120 km / h M = 130 km / h

** Theoretically calculated values, arising from the engine torque without considering the road-friction values and the stability limits of the vehicles. When calculating with more than one tyres or more than one axle ratio, availability of each combination must be checked.

Speed and gradeability values are rounded.

A = Total Weights (solo vehicle) Kg - Max Gradeability %

B = Total Weights (vehicle+trailer) Kg - Max Gradeability %

Tyre: 20661 - 195/75R16 IC 110/108 2120/4000							Efficiency: 0.93		No transfer box	
Gearbox model 2840.6 OD										
H1										
Axle Ratio	Gear Ratio	Gear Ratio	Speed km/h	Speed km/h	RPM at 80 km/h	RPM at 90 km/h	A		B	
							5200		8700	
							1°	6°	1°	6°
4.44	5.375	0.791	18.63	126.58	2212	2488	49.66	5.23	27.27	2.84
H2										
Axle Ratio	Gear Ratio	Gear Ratio	Speed km/h	Speed km/h	RPM at 80 km/h	RPM at 90 km/h	A		B	
							5200		8700	
							1°	6°	1°	6°
4.44	5.375	0.791	18.63	126.58	2212	2488	49.66	5.13	27.27	2.78
H2										
Axle Ratio	Gear Ratio	Gear Ratio	Speed km/h	Speed km/h	RPM at 80 km/h	RPM at 90 km/h	A		B	
							5200		8700	
							1°	6°	1°	6°
4.44	5.375	0.791	18.63	126.58	2212	2488	49.66	5.13	27.27	2.78
H3										
Axle Ratio	Gear Ratio	Gear Ratio	Speed km/h	Speed km/h	RPM at 80 km/h	RPM at 90 km/h	A		B	
							5200		8700	
							1°	6°	1°	6°
4.44	5.375	0.791	18.63	126.58	2212	2488	49.66	5.05	27.27	2.74
H2										
Axle Ratio	Gear Ratio	Gear Ratio	Speed km/h	Speed km/h	RPM at 80 km/h	RPM at 90 km/h	A		B	
							5200		8700	
							1°	6°	1°	6°
4.44	5.375	0.791	18.63	126.58	2212	2488	49.66	5.10	27.27	2.77
H3										
Axle Ratio	Gear Ratio	Gear Ratio	Speed km/h	Speed km/h	RPM at 80 km/h	RPM at 90 km/h	A		B	
							5200		8700	
							1°	6°	1°	6°
4.44	5.375	0.791	18.63	126.58	2212	2488	49.66	5.05	27.27	2.74
H2										
Axle Ratio	Gear Ratio	Gear Ratio	Speed km/h	Speed km/h	RPM at 80 km/h	RPM at 90 km/h	A		B	
							5200		8700	
							1°	6°	1°	6°
4.44	5.375	0.791	18.63	126.58	2212	2488	49.66	5.13	27.27	2.78
H3										
Axle Ratio	Gear Ratio	Gear Ratio	Speed km/h	Speed km/h	RPM at 80 km/h	RPM at 90 km/h	A		B	
							5200		8700	
							1°	6°	1°	6°
4.44	5.375	0.791	18.63	126.58	2212	2488	49.66	5.05	27.27	2.74

SUSPENSIONS**Front :**

Independent suspensions – **QUAD TOR**: incorporating torsion bars with antiroll bars
Two shock absorbers.

Rear :

Parabolic single leaf spring (3 leaves).

MODEL COMPONENTS

BATTERY

Electrics

Batteries capacity V/Ah

12 V / 110 Ah

MAIN TECHNICAL FEATURES AND NOVELTIES

MAIN NOVELTIES:

New manual Gear Box 2840.6

MAIN OPT AVAILABILITY (check availability on model)

Automatic wipers and headlights – opt 72841

The Automatic wipers, automatically activates the wipers and adjust the frequency, depending on the quantity of water on the surface of the windscreen. The Automatic headlights automatically activates the low-beam, depending on the quantity of light during the 24 hours; the sensor is able also to manage situation such as passing under bridges, tunnels.

Automatic High Beam Control (AHBC) – opt 72839

can automatically turns your vehicle's high beam lights off / on, depending on driving conditions. It is available in combination with front camera of LDWS.

Lane Departure Warning System (LDWS) - opt 2912

camera supplies the steering system with information on lane geometry, and calculates the torque to be applied to the steering wheel.

Full LED headlights – opt 72619

Integrated direction lamp.

The vehicle configuration must always be confirmed by the Iveco sales network.

MISCELLANEOUS

TFT Cluster - opt 72623 [Km/h] or 72624 [mph]

Main functions: oil, battery, service info. Navigation.

Phone - multimedia, Fuel economy, trip computer, vehicle settings,

display settings, diagnostic.

The **three pieces bumper**, standard on all Daily models, allows reduction of ownership costs, giving the possibility to replace only t

he required piece instead of the whole bumper.

The vehicle configuration must always be confirmed by the Iveco sales network.

SYSTEM ESP 9

35S - 38S

Disc diameter (mm) Front	300
Disc diameter (mm) Rear	296
Braking surface (cm2) Front	280
Braking surface (cm2) Rear	200

42S

Disc diameter (mm) Front	295
Disc diameter (mm) Rear	294
Braking surface (cm2) Front	320
Braking surface (cm2) Rear	264

42C - 50C

Disc diameter (mm) Front	290
Disc diameter (mm) Rear	289
Braking surface (cm2) Front	280
Braking surface (cm2) Rear	278

60C - 72C

Disc diameter (mm) Front	301
Disc diameter (mm) Rear	306
Braking surface (cm2) Front	404
Braking surface (cm2) Rear	276

35C Quad Leaf

Disc diameter (mm) Front	300
Disc diameter (mm) Rear	294
Braking surface (cm2) Front	280
Braking surface (cm2) Rear	264

35C Quad Tor

Disc diameter (mm) Front	290
Disc diameter (mm) Rear	294
Braking surface (cm2) Front	280

MODEL COMPONENTS

Braking surface (cm2) Rear

264

BRAKING SYSTEM FEATURES

Dual circuit configuration; cross split on 35S up to 72C.
Hydraulically operated with vacuum servo assistance.
Full disc brakes with floating calipers with auto wear adjustment.
Mechanically controlled parking brake:
Brake fluid level indicator-front / rear pad wear indicator.
Asbestos free pads.
EASY interface.



Notes:

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

ABS-Antilock Braking System: avoids wheel locking during the braking

EBD-Electronic Brakeforce Distribution: shares the brake force between the rear and front axle

ESP-Electronic Stability Program: brakes each wheel and controls the engine by reducing the number of revolutions if the vehicle becomes unstable

ASR-Anti Slip Regulator: acts on the engine and the brakes preventing the driving wheels from skidding

MSR(DTC)- Motor Schlepptomenten Regelung (Drag Torque Control): acts on engine speed to reduce the braking torque in release **HHC-Hill Hold Control:** acts on the braking pressure to hold the vehicle in up hill departure to assist the driver

LAC-Adaptive Load Control: recognizes the longitudinal load distribution

HRB-Hydraulic Rear Wheel Boost: in case of emergency braking, it boost the rear braking force, thus allowing a reduction in the vehicle stopping distance

HFC-Hydraulic Fading Compensation: the system is able to detect fading condition of the brakes and thus to increase the brake circuit pressure up to ABS intervention

RMI-Roll Movement Intervention: mitigate dangerous roll-over situations during highly dynamic driving, e.g. evasive maneuvers, J-turn, Fishhook

ROM-Roll Over Mitigation: extension of RMI by mitigation of rollover at quasi-stationary maneuvers, e.g. motorway exit.

VAN/COMBI BODY

Code	Description	Cabin type	Structure material	No. of places	No. of seats	Cabin door no.	Slide door no.	Side door type	Rear Door No.	Rear Door Type
FN3115S	Van H1 - 3520 - Sx									
FN3119S	Van H2 - 3520 - Sx	Semi-forward	steel plate	3	2	2	1	Sliding	2	Side hung
FN3519S	Van H2 - wheelbase 3520L - Sx	Semi-forward	steel plate	3	2	2	1	Sliding	2	Side hung
FN3521S	Van H3 - wheelbase 3520L - Sx	Semi-forward	steel plate	3	2	2	1	Sliding	2	Side hung
FN4719S	Van H2 - wheelbase 4100 Sx	Semi-forward	steel plate	3	2	2	1	Sliding	2	Side hung
FN4721S	Van H3 - wheelbase 4100 - Sx	Semi-forward	steel plate	3	2	2	1	Sliding	2	Side hung
FN5119S	van H2 - wheelbase 4100L - Sx	Semi-forward	steel plate	3	2	2	1	Sliding	2	Side hung
FN5121S	Van H3 - wheelbase 4100L - Sx	Semi-forward	steel plate	3	2	2	1	Sliding	2	Side hung

CAB EXTERIOR

Steps on both sides, front bumper in three pieces, mudguard.

Rear mirrors

for models from 3.5 to 5.0 tons standard max body width = 2200 mm

for models from 3.5 to 5.0 tons with opt. 73024 : max body width = 2350 mm

for models from 3.5 to 5.0 tons with new opt. 73025 : max body width = 2550 mm

for models from 6.5 to 7.0 tons standard max body width = 2350 mm

for models from 6.5 to 7.0 tons with opt. 73021 : max body width = 2200 mm

MODEL COMPONENTS

for models from 6.5 to 7.0 tons with new opt. 73025 : max body width = 2550 mm

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.

CAB INTERIOR

Equipment: Storage compartments with bottle holder, pool cup for mobile phone, arm rests on the doors, shelves in overhead console (opt 8628), shelves at floor level below seats, interior lights, 2 spotlights, 4 loud-speakers, gearshift lever on dashboard. No. of seats places: 2 or 3 std (depending on passenger seat option, single or bench)

Driver's seat: First LCV vehicle with Memory Foam technology. Improved comfort with full seats in memory foam +50% softness and adaptation to body shape. Improved size also for taller sizes (standard on all models).

Passenger's seat: For models from 35S standard passenger seat depends on market offer.
For models from 35C.. up to 70C.. - standard: 2 passengers bench with 3 points safe belts, with drawer under seat.

Central console: Glove box compartments on the top of the dashboard, central panel, adjustable air vents, ash-trays,+ lighter (opt 5407 smoker kit) , heating control, cooled compartment (present with opt. air conditioning).
Instrument cluster: 5" TFT display & silver dial rings (opt 72623 km/h, opt 72624 miles/h).
On Dashboard: Digital Radio (opt 79245) or Hi-Connect infotainment system as option (opt 72800 w/o Navigation, opt 72802 extra EU maps)

Indicator lamps, on cluster (standard):

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 - Water in fuel filter
- Clogged air filter - Clogged fuel filter.

Multifunction stalks:

Left stalk contains following commands:

Left direction indicator, High beam / Low beam - Headlamp flash, Auto light command (when present option 72839)

Right stalk contains following commands:

Windscreen wipers, auto wipers command (when present option 72841), headlight washers (when present opt 2558), queue assist (when present opt 72803)

Steering wheel:

Multifunctions steering wheel (depending on vehicle configuration):

The steering wheel contains up to 20 switches: 16 on the front and 4 on the rear.

Dedicated commands for Cruise Control (opt 2463), Additional Speed Limiter (opt 5925) on steering wheel when present.

(The equipment can vary according to the markets / homologations; for a complete list of Daily options please contact local Iveco distributor. The images shown here are for illustrative purposes only)





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