

DAILY

TECHNICAL DESCRIPTION

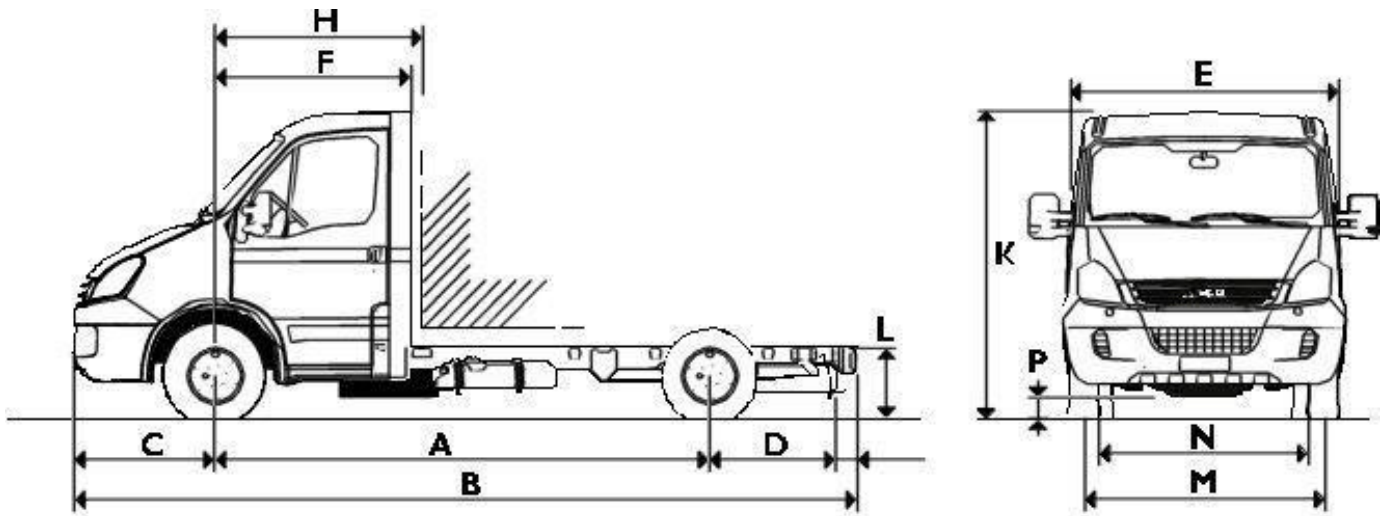
50C15 (E4)
(EURO 4)



The information in this literature is intended to be of a general nature only. Iveco reserves the right to modify or change specification at any time.

Gearbox 6S-400D

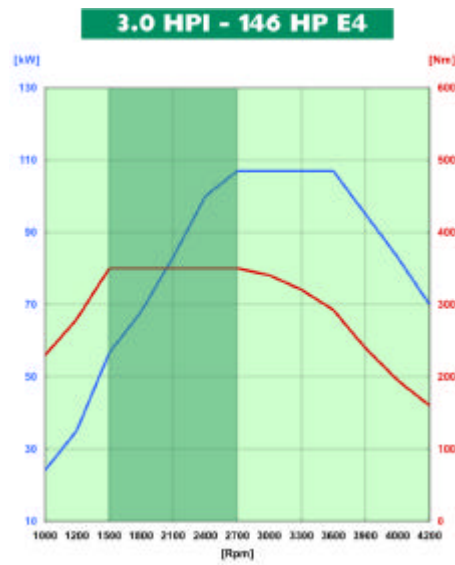
Wheelbase	Cab	Drive	Vcb
3450	LST	LEFT HAND DRIVE	GEDB14B1
	LST	RIGHT HAND DRIVE	GEDB14BA
3750	LST	LEFT HAND DRIVE	GEDB15B1
	LST	RIGHT HAND DRIVE	GEDB15BA
4350	LST	LEFT HAND DRIVE	GEDB18B1
	LST	RIGHT HAND DRIVE	GEDB18BA
4750	LST	LEFT HAND DRIVE	GEDB19B1
	LST	RIGHT HAND DRIVE	GEDB19BA


DIMENSIONS (mm) (50C15E4 LST)

A Wheelbase	<u>3450</u>	<u>3750</u>	<u>4350</u>	<u>4750</u>
B Overall length	5928	6538	7358	8223
C Front overhang	998	998	998	998
D Rear overhang	1355	1665	1885	2350
E Max cab width	1996	1996	1996	1996
F Front axle to back of cab	1355	1355	1355	1355
H Front axle to front of body	1410	1410	1410	1410
K Overall height to top of cab, unladen	2280	2275	2270	2280
L Frame height at end of frame, unladen	763	769	769	774
M Front track	1696	1696	1696	1696
N Rear track	1541	1541	1541	1541
P Minimum ground clearance (Axle2)	177	177	177	177
Back of cab to end of frame	3450	4060	4880	5745
Turning radius wall to wall	6780	7260	8200	8830
Turning radius kerb to kerb	6230	6700	7640	8270
Frame height at front axle, unladen	597	595	593	608
Frame height at rear axle, unladen	716	716	716	724

Weights (kg) (50C15E4 LST)				
Wheelbase	<u>3450</u>	<u>3750</u>	<u>4350</u>	<u>4750</u>
GVW EEC	5200	5200	5200	5200
Plated weight on axle 1 EEC	1900	1900	1900	1900
Plated weight on axle 2 EEC	3700	3700	3700	3700
Max body & payload EEC	3175	3150	3125	3100
Total vehicle kerbweight	2025	2050	2075	2100
Total vehicle kerbweight 1	1380	1395	1430	1425
Total vehicle kerbweight 2	645	655	645	675

Engine F1CWG (F1C146E4)



Name	3.0 HPI (High Performance Injection)
Position	FRONT
Direction of engine	LONGITUDINAL
Cycle	DIESEL
Aspiration type	TC+AFTERCOOLER
Injection type	UNIJET COMMON RAIL - 16 VALVES
No. of cylinders	4 IN-LINE
Fuel type	DIESEL
4 Stroke / 2 Stroke cycle	4
Total displacement cm ³	2998
Bore / Stroke mm	95.8 / 104
Max power (1)	107 kW 146 HP 3500 rpm
Max torque (2)	350 Nm 1400 ÷ 2600 rpm
Injection pump type	HIGH PRESSURE / COMMON RAIL (1600 bar)
Injection pump governor type	EDC
Cooling system	WATER
Hydraulic steering pump	
Cold starting type	GLOW PLUGS
Type of turbocharging	WITH WASTE GATE VALVE
Emissions according regulations	EURO 4

Fuelling (ABBS2000-I)

No. of tanks	1
Material	PLASTIC
Total tank capacity l.	70
Position on frame	LEFT SIDE
Filter	

Air intake (AC S2000-I)

Filter type	DRY
Air intake	AT FRONT, UNDER BONNET

Clutch 11" (FB S2146-I)

Type	SINGLE DRY PLATE
Actuation	PULL TYPE
Release control	HYDRAULIC
Adjustment	AUTOMATIC

GearboxZF - 6S-4000D (GB S6400)

Type	SYNCHROMESH
Installation	ENGINE FLANGED
No. of gears (...+.....reverse)	6+1
Casing material	ALUMINIUM

Gear ratios

1st	5.373
2nd	3.154
3rd	2.041
4th	1.365
5th	1.000
6th	0.791
Rev. 1st	4.838

Front steering axle (LB S2003-I)

Identification	5819
Type	INDEPENDENT WHEELS
Steering angle (ext.)	36°
Steering angle (int.)	43°
Load capacity Kg	1900

Rear drive axle (MB450511)

Identification	450511
Type	RIGID
Axle	SINGLE
Wheel arrangement	TWIN
Axle housing material	STEEL
Load capacity Kg	3700
Reduction type	SINGLE

Suspensions (NB 50CSEL)

Front steering axle	INDEPENDENT with TORSION BAR
Rear drive axle	SINGLE ACTING SEMIELLIPTIC SPRING

Main features

Axle no.	2
Leaf width (mm)	60
Main leaf spring length (mm)	1415
No. of auxiliary leaves spring	3
No. of main leaves spring	4
Aux. leaves thickness (mm)	16
Main leaves thickness (mm)	9

Shock absorber (PB S2000-I)

Shock absorber no. (front)	2
Shock absorber no. (rear)	2
Shock absorber type	HYDRAULIC TELESCOPIC

Anti-roll bars (OB S2000-I)

Position	FRONT AND REAR AXLE
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Wheels (QB 5J16-I)

Wheel type	DISC
Wheel dimensions	5 J 16"

Tyres (RB S2002-I)

Tyre dimensions	195/75 R 16C
Load-index	107
Speed index	N = 140 Km/h
Rolling radius mm	337
Rolling circumference mm	2116

Axle	Mounting
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Tyres (RB S2002-I)

1	SINGLE
2	TWIN

Steering (KB S2000-I)

Type	HYDRAULIC
Steering wheel diameter (mm)	420
No of parts in steering column	3

Chassis (mm) (JB 50C13-I)

Frame section	PARALLEL		
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Wheelbase	<u>3450</u>	<u>3750</u>	<u>4350</u>
Side member material	STEEL	STEEL	STEEL
Side member section	"C"	"C"	"C"
Flange thickness	4	4	4
Web thickness	4	4	4
Upper flange width	70	70	70
Lower flange width	70	70	70
Side member max. height	182	182	182
Frame width at front	862	862	862
Frame width at rear	862	862	862
Wheelbase	<u>4750</u>		
Side member material	STEEL		
Side member section	"C"		
Flange thickness	4		
Web thickness	4		
Upper flange width	70		
Lower flange width	70		
Side member max. height	182		
Frame width at front	862		
Frame width at rear	862		

Brakes (SB50CE4)

Antiskid system	ABS + ABD + EBD
Emergency brake	COMBINED WITH PARKING BRAKE
Parking brake	MECHANICAL
Service brake	HYDRAULIC
Parking brake axle(s)	AXLE 2
Brake standards	EEC
No. of circuits	2

Axle no.	Axle 1	Axle 2
Brake type	DISC	DISC
No. of cylinders	2	2
Cylinder diameter	48	44
Disk diameter (mm)	290	290

Electrics (VB F1C)

Voltage V	12
Alternator power V/A	14/110
No. of batteries	1
Battery voltage V	12
Battery capacity Ah	110
Starter motor power kW	2.3

Lighting (WB S2006-I)

No. of headlights	2
Type of lamps	HALOGEN
Front side marker lights	
Reverse lights	
Hazard lights	
Number plate lights	
Front fog lights	
Rear fog light(s)	
Side lights	
Front direction indicators	
Side direction indicators	
Rear direction indicators	
Additional lights prearrangement	

Cab LST (YB CAB01-I)

Cab type	SEMI-FORWARD FIXED
Material	STEEL PLATE
No of steps	1
Front doors type	SIDE HUNG
Front door(s) opening angle	64°
Doorway lever	
Glove compartment	
Cab floor	COVERED WITH SYNTHETIC MATERIAL
Window operation (front)	MANUAL ON RIGHT - MANUAL ON LEFT
Sun visors no.	2
Interior light	1
Monolithic execution	
Plastic covering	
Roof type	LOW
Windscreen type	LAMINATED, ATHERMIC
Windscreen	ONE PIECE - CURVED
Windscreen according to standards:	EEC
No. of windscreen wipers	2
No. of windscreen wiper speeds	3
Side windows	
Rear view mirrors no.	2
Mirror control	MANUAL
No. of places	3
No. of seats	2
Driver seat adjustment	HEIGHT, LONGITUDINAL AND BACK INCLINATION
Passenger seat(s) type	DUAL
No. of fan speeds	4
Heating control	MANUAL
Air conditioning control	MANUAL
Provision for belts	
Lighter	
CB wiring	
Immobilizer	
Rear wall window	

In cab equipment (TB S2006-I)

Warning lights

High beam

Direction indicators

Hazard lights

Hand brake on

Brake failure

Engine preheating

Water in fuel prefilter

Clogged air filter

Battery charge

Hydraulic steering power failure

Rear light

Warning lights prearrangement

Differential lock

ASR

Power take off

ABS failure

Switches

Light dimmer switch

Switches prearrangement

Ext.rear viewmirror adjustment

Power windows adjustment

Instruments

Tachometer

Rev counter

Mile odometer

Clock

Trip computer

Water temperature indicator

Fuel gauge

Multifunction stalk

Horn

High beam

Headlamp flash

Indicator lights

Windscreen wiper with intermittent wipe

Besides:

Fog lights (standard)

ESP failure indicator (prearrangement)

Gearshift lever on dashboard

Multifunction stalk

Miscellaneous (XBS2000CAB)

Rear underride protection

EEC NORMS

Jack

Front towing hitch

Exhaust pipe discharges towards the centre of the vehicle (between the sidemembers)