

TECHNICAL DESCRIPTION
35S18W (E4)

DAILY
4X4



IVECO

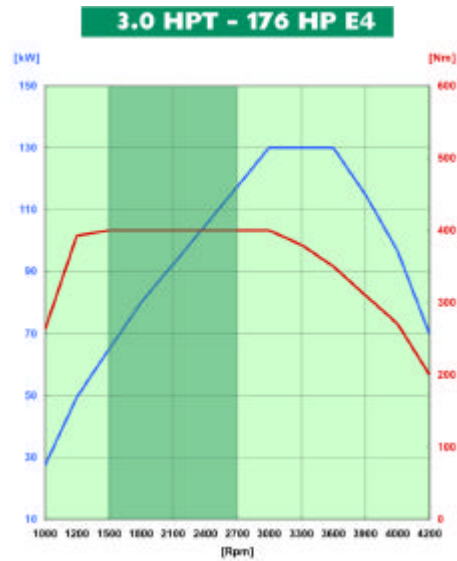
Gearbox 6S-400D

Wheelbase	Cab	Drive	Vcb
3050	LST	LEFT HAND DRIVE	WAEE1IA1
3400	LST	LEFT HAND DRIVE	WAEE1IB1

Weights (kg) (BB35S18W4 LST)

Wheelbase	<u>3050</u>	<u>3400</u>
GVW EEC	3500	3500
Plated weight on axle 1 EEC	2250	2250
Plated weight on axle 2 EEC	2800	2800
Max body & pay load EEC	1010	980
Total vehicle kerbweight	2490	2520
Total vehicle kerbweight 1	1705	1715
Total vehicle kerbweight 2	785	805

Engine F1CVGT (F1C1764X4)



Position	FRONT
Direction of engine	LONGITUDINAL
Cycle	DIESEL
Aspiration type	TC+INTERCOOLER, VARIABLE GEOMETRY
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)	130 kW 176 HP
Max torque (2)	400 Nm 1250 ÷ 3000 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
Emissions according regulations	EURO 4

Exhaust gas treatment: diesel particulate filter as standard

Fuelling (AB35SW)

No. of tanks	1
Material	PLASTIC
Total tank capacity l.	90
Position on frame	LEFT SIDE
Filter	

Fuel filler on neck

Air intake (AC S4X4-I)

Filter type	DRY
Air intake	AT FRONT, UNDER BONNET

Clogged air filter sensor.

Cooling (AD S2002-I)

Cooling system	WATER
Fan type	ELECTROMAGNETIC

Clutch 11" (FB S2146-I)

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

GearboxZF - 6S-400OD (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

Transfer box (HB 35S18W)

Type	2 REDUCTIONS
Shafts no.	3
Torque distribution: front	32%
Torque distribution: rear	68%
All wheel drive	PERMANENT
Differential lock	

ON ROAD

Normal Ratio: 1:1

Low Ratio: 1:1.244

OFF ROAD

Normal Ratio: 1:3.115

Low Ratio: 1:3.866

Total ratios: 24, in combination with gearbox ratios.

ON / OFF Road lever: selection only at speed = 0 km/h

Front driving axle (LB HS6.07)

Identification	HS6.07
Type	RIGID
Reduction type	SINGLE
Reduction ratio	4.87

Differential lock (as an option)

Rear drive axle (LB HS8.09)

Identification	HS8.09
Type	RIGID
Reduction type	SINGLE
Reduction ratio	4.87

Differential lock

Suspensions (NB 35SW4)

Front driving axle	PARABOLIC + TORSION BARS
Rear drive axle	PARABOLIC + TORSION BARS

Main features

Axle no.	1	2
No. of main leaves spring	2	3

Shock absorber (PB S2000-I)

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

Anti-roll bars (OB 35-50)

Position	FRONT AND REAR AXLE
Type	TORSION BAR

Wheels (QB S2006-I)

Wheel type	DISC
Wheel material	STEEL

Tyres (RT 0002-I)

Tyre dimensions	9.5 R 17.5
Load-index	129/127
Speed index	L = 120 Km/h
Rolling radius mm	409

Note:

The 255/100 R 16 tyre (for off-road duties) is available as an option

Steering (KB S2000-I)

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

Chassis (mm) (JB S200W-I)

Frame section BOX TYPE

	3050	3400
Wheelbase		
Side member material	STEEL Fe490	STEEL Fe490
Upper flange width	56	56
Lower flange width	56	56
Side member max. height	144	144
Frame width at front	846	846
Frame width at rear	901	962

Note:

in the section AA, the frame is "box type" 144x56x5 (partially open).

In the section BB, the frame is "box type" 144x56x5 (completely closed), with a vertical reinforcement of 124x4

Brakes (SB35W)

Emergency brake	COMBINED WITH PARKING BRAKE
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	DRUM
No. of cylinders	2	
Cylinder diameter	46	
Disk diameter (mm)	297	
Drum diameter (mm)		270
Linings width (mm)		80

ABS is available as an option.

It is automatically excluded when differential locks are activated.

Electrics (VB35S12)

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 (YB35SW)	
Cab type	SEMI-FORWARD FIXED
Material	STEEL PLATE
Front doors type	SIDE HUNG
Front door(s) opening angle	64°
Doorway lever	
Glove compartment	
Cab floor	COVERED WITH SYNTHETIC MATERIAL
Window operation (front)	FULL ELECTRICAL
Sun visors no.	2
Interior light	1
Monolithic execution	
Plastic covering	
Windscreen type	LAMINATED
Windscreen	ONE PIECE - CURVED
Windscreen according to standards:	EEC
No. of windscreen wipers	2
No. of windscreen wiper speeds	3
Side windows	
Seat belts	
Rear view mirrors no.	4
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 ventilation control	MANUAL
Lighter	

Cab LST (YB35SW)

Remarks:

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

Anti-corrosion protection includes full cathodic 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, shelves in overhead console, shelves at floor level below seats, interior lights, 2 spotlights, loud-speakers, gearshift lever on dashboard.

Central console:

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 on left side, rear lights crossbar

In cab equipment (TB35SW)

In cab equipment (TB35SW)

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
- Service
- Tachograph failure
- Coolant temperature
- EOBD
- Engine preheating
- Water in fuel filter
- Clogged air filter
- Clogged fuel filter

COMFORT LCD Display panel includes :

odometer - clock - headlamp orientation - trip computer - service - "Follow me" - seat belts not fastened - speed limits exceeding.

Switches on central console

Rear fog lights - Hazard lights

Switches on central console (upper)

Central differential lock lamp - Central differential lock switch - Rear differential lock lamp - Rear differential lock - Front differential lock lamp (opt.) - Front differential lock switch (opt.) - ABS failure lamp (if present) - Differential locks failure lamp - ABS disconnection lamp (if present)

Multifunction stalks:

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

(right) Windscreen wiper with intermittent wipe.

Miscellaneous (XBS2000CAB)

Rear underride protection

EC NORMS

Jack

Front towing hitch

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