

DAILY

35S13 HI-MATIC NEW DAILY EURO 5b+ (FIA 2.3I)



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

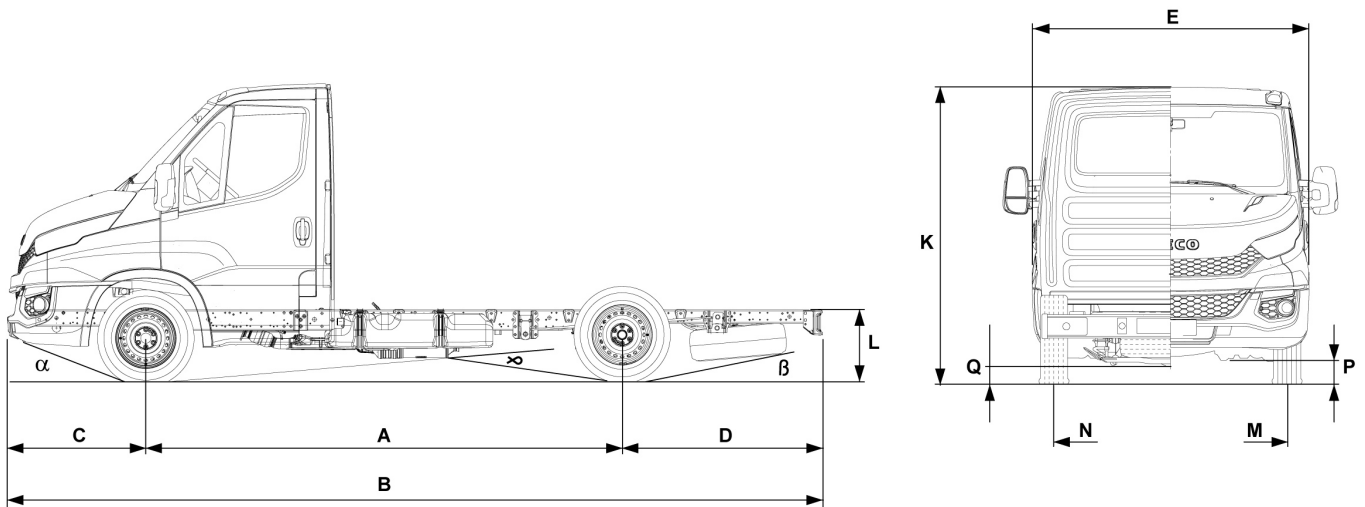
IVECO

List of linked VCB

| VCB Code | Gearbox | Wb | Cabin | Drive |
|-----------------|----------------|-----------|--------------|--------------|
| 8BBAIAEI | ZF 8HP | 3000 | LSTS | LHD |
| 8BBAIAEA | ZF 8HP | 3000 | LSTD | RHD |
| 8BBAIBEI | ZF 8HP | 3450 | LSTS | LHD |
| 8BBAIBEA | ZF 8HP | 3450 | LSTD | RHD |
| 8BBAIEEI | ZF 8HP | 3750 | LSTS | LHD |
| 8BBAIEEA | ZF 8HP | 3750 | LSTD | RHD |
| 8BBAIHEI | ZF 8HP | 4100 | LSTS | LHD |
| 8BBAIHEA | ZF 8HP | 4100 | LSTD | RHD |

35S13 HI-MATIC - NEW DAILY EURO 5b+ (FIA 2.3I)

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) | 2247 | 2239 | 2235 | 2231 |
| 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 | 18.81 |
| Ramp angle (°) | 21 | 18.1 | 16.63 | 15.17 |
| Left hand drive vehicle drawing | 5801824100 | 5801824110 | 5801824114 | 5801824121 |
| Total vehicle kerb weight | 1758 | 1777 | 1792 | 1799 |
| Kerbweight - F.A. | 1311 | 1327 | 1335 | 1335 |
| Kerbweight - R.A. | 447 | 450 | 457 | 464 |
| 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) | 1742 | 1723 | 1708 | 1701 |
| 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 |
|--------------------|-------|

FCP - VE - CABINAT - Rigid
Version

| | |
|---------|-------------|
| Version | CHASSIS CAB |
|---------|-------------|

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 |
| 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

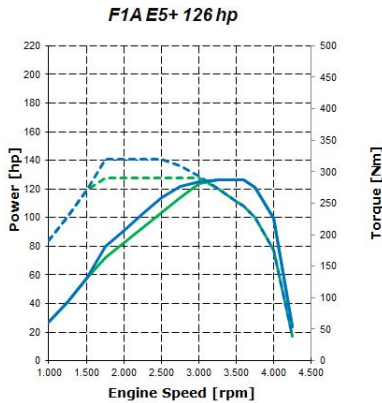
| | |
|----------------|-----------------|
| Cooling system | water |
| Fan type | electromagnetic |

Air intake

| | |
|-------------|-----|
| Filter type | DRY |
|-------------|-----|

Model Components

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 |
| 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 |
|---------------|----------|

Chassis / W.B.

| | |
|-----------------------|-------|
| Section shape | "C" |
| Side members material | STEEL |

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

| | |
|---------------|----------|
| Frame section | PARALLEL |
|---------------|----------|

Chassis / W.B.

| | |
|-----------------------|-------|
| Section shape | "C" |
| Side members material | STEEL |

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

| | |
|---------------|----------|
| Frame section | PARALLEL |
|---------------|----------|

Chassis / W.B.

| | |
|-----------------------|-------|
| Section shape | "C" |
| Side members material | STEEL |

FCS - M0000 - 04488 - SYSTEM ESP 9
Braking system

| | |
|----------|---|
| Features | - |
|----------|---|

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 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°).

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 |
|-----------------|------|

FCS - D0000 - 06010 - REAR AXLE RATIO 3.60

Rear Axle Ratios

| | |
|-----------------|-------|
| Rear axle ratio | 3.615 |
|-----------------|-------|

FCS - D0000 - 08171 - 5.14 REAR AXLE RATIO

Rear Axle Ratios

| | |
|-----------------|------|
| Rear axle ratio | 5.14 |
|-----------------|------|

FCS - D0000 - 06056 - 4.22:1 REAR AXLE RATIO

Rear Axle Ratios

| | |
|-----------------|------|
| Rear axle ratio | 4.22 |
|-----------------|------|

FCS - MPN00 - 00567 - 110 AH BATTERIES

Electrics

| | |
|-------------------------|---------------|
| Batteries capacity V/Ah | 12 V / 110 Ah |
|-------------------------|---------------|

FDP: A30C MARKET: I100 Model: 35S13A8

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) | | | | | | |
| 8BBA1AEI | | | | 3500 | | | | | | 7000 | | | | | |
| | I° | 4.71 | 21.81 | 62.83 | | | | | | 27.2 | | | | | |
| | L. | .67 | 153.35 | 4.78 | | | | | | 2.04 | | | | | |

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) | | | | | | |
| 8BBA1AEI | | | | 3500 | | | | | | 7000 | | | | | |
| | I° | 4.71 | 26.79 | 47.84 | | | | | | 21.72 | | | | | |
| | L. | .67 | 160 | 2.23 | | | | | | .77 | | | | | |

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) | | | | | | |
| 8BBA1AEI | | | | 3500 | | | | | | 7000 | | | | | |
| | I° | 4.71 | 22.95 | 58.55 | | | | | | 25.72 | | | | | |
| | L. | .67 | 160 | 4.16 | | | | | | 1.73 | | | | | |

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) | | | | | | |
| 8BBA1AEI | | | | 3500 | | | | | | 7000 | | | | | |
| | I° | 4.71 | 18.84 | 78.44 | | | | | | 32.04 | | | | | |
| | L. | .67 | 132.47 | 6.56 | | | | | | 2.92 | | | | | |