DAILY

35C21 HI-MATIC
NEW DAILY EURO 5b+ (F1C 3.0l)

IVECO

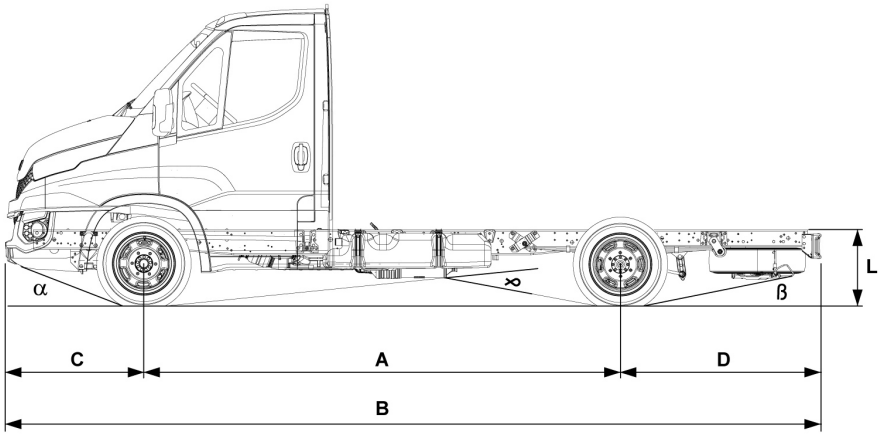
35C21 HI-MATIC **FDP: A35C** **MARKET: I100** **MOD: 35C21A8**

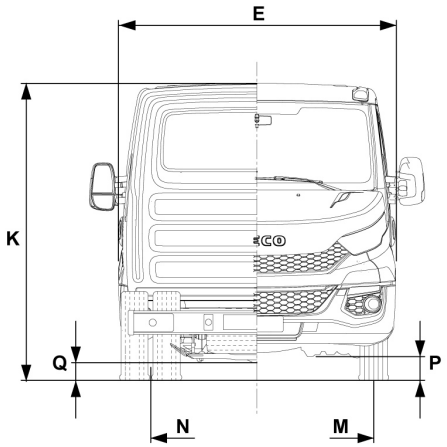
List of linked VCB

VCB Code	Gearbox	Wb	Cabin	Drive
8CFA1AE1	ZF 8HP	3000	LSTS	LHD
8CFA1AEA	ZF 8HP	3000	LSTD	RHD
8CFA1BE1	ZF 8HP	3450	LSTS	LHD
8CFA1BEA	ZF 8HP	3450	LSTD	RHD
8CFA1EE1	ZF 8HP	3750	LSTS	LHD
8CFA1EEA	ZF 8HP	3750	LSTD	RHD
8CFA1HE1	ZF 8HP	4100	LSTS	LHD
8CFA1HEA	ZF 8HP	4100	LSTD	RHD
8CFB1AE1	ZF 8HP	3000	LSTS	LHD
8CFB1AEA	ZF 8HP	3000	LSTD	RHD
8CFB1BE1	ZF 8HP	3450	LSTS	LHD
8CFB1BEA	ZF 8HP	3450	LSTD	RHD
8CFB1EE1	ZF 8HP	3750	LSTS	LHD
8CFB1EEA	ZF 8HP	3750	LSTD	RHD
8CFB1HE1	ZF 8HP	4100	LSTS	LHD
8CFB1HEA	ZF 8HP	4100	LSTD	RHD

35C21 HI-MATIC - NEW DAILY EURO 5b+ (F1C 3.0l)

Weights & dimensions





	3000	3450	3750	4100
Overall length (over RUP) (B)	5348	5913	6523	6923
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)	769	768	776	772
" " (Torsion bar)	752	754	800	798
Frame height front axle, unladen	551.79	550	549	552
" " (Torsion bar)	586.88	585	587	586
Frame height rear axle, unladen	729.27	707	706	706
" " (Torsion bar)	734.55	729	735	735
Front overhang (C)	1008	1008	1008	1008
Rear overhang (D)	1340	1455	1765	1815
Minimum ground clearance (front)	139	138.86	132	130
" " (Torsion bar)	183	182	192	192

35C21 HI-MATIC - NEW DAILY EURO 5b+ (F1C 3.0l)

Weights & dimensions

	3000	3450	3750	4100
Minimum ground clearance (rear)	150	167.19	171	169
" " (Torsion bar)	150	167	172	160
Overall height to top of cab,unladen(K)	2243	2261	2254	2248
" " (Torsion bar)	2292	2282	2276	2271
Turning diameter kerb to kerb	10546	11876	12764	13800
" " (Torsion bar)	11116	12526	13466	14564
Turning diameter wall to wall	11200	12536	13428	14466
" " (Torsion bar)	11730	13146	14090	15190
Front track (M)	1740	1740	1740	1740
Front track (M) (Torsion bar)	1724	1724	1724	1724
Rear track (N)	1542	1542	1542	1542
Rear track (N) (Torsion bar)	1542	1542	1542	1542
Approach angle (°)	16	16.3	16.5	16.7
Approach angle (°) (Torsion bar)	18.3	16.2	18.6	18.7
Departure angle (°)	13.4	10.9	8.6	8.3
Departure angle (°) (Torsion bar)	12.8	11.2	8.5	8.2
Ramp angle (°)	21.9	18.8	17.3	15.8
Ramp angle (°) (Torsion bar)	23.4	19.7	18.5	17.6
Left hand drive vehicle drawing	5801824129	5801824144	5801824156	5801824166
Total vehicle kerb weight	1907	1936	1948	1962
Total vehicle kerbweight (Torsion bar)	1940	1969	1982	1995
Kerbweight - F.A.	1364	1389	1398	1412
Kerbweight - F.A. (Torsion bar)	1392	1417	1427	1440

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Weights & dimensions

	3000	3450	3750	4100
Kerbweight - R.A.	543	547	550	550
Kerbweight - R.A. (Torsion bar)	548	552	555	555
G.V.W. (EC)	3500	3500	3500	3500
Plated weight on F.A. (EC)	1900	1900	1900	1900
Plated weight on F.A. (EC) (torsion bar)	2100	2100	2100	2100
Plated weight on rear axle (EC)	2600	2600	2600	2600
Trailer weight (inertia brake)	3500	3500	3500	3500
Max body & Payload (EC)	1593	1564	1552	1538
Max body & Payload (EC) (Torsion bar)	1560	1531	1518	1505
Side members thickness	4	4	4	4
Side members max height	182	182	182	182
Flange width	70	70	70	70
Frame width at rear	860	860	860	860

Note:

The "Total vehicle kerb weight" considers the minimum kerb weight with minimum optionals.

FDP: A35C MARKET: I100 Model: 35C21A8

Model Components

FCP - MT - 3,5 TON - 3,5 ton twin wheels

Weights (in general)

GVW (kg)	3500
GCW (kg)	7000

Notes:
The weights are indicated more preciseley 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 - F1CFL411G - Engine F1C 205hp Euro5+ LD TS

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)	95.8
Stroke (mm)	104
Total displacement cm^3	2998
Exhaust gas treatment	EGR
(Torque, generic ref. only. See: "EP")	470

Engine - Miscellaneous

Injection system	HIGH PRESSURE / COMMON RAIL
Cold starting type	THERMOSTARTER

Cooling

Cooling system	water
Fan type	electromagnetic

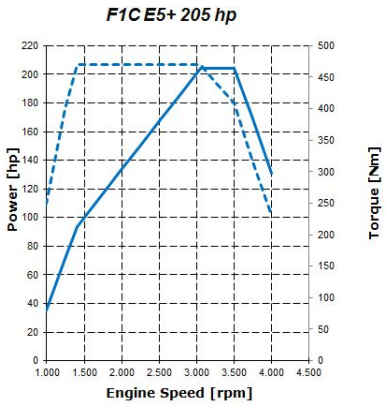
Air intake

Filter type	DRY

FDP: A35C MARKET: I100 Model: 35C21A8

Model Components

FCP - EP - 205 EU5 - ENGINE F1C 205CV EURO 5 LD



Engine

Power kW	150
Power Hp	205
Rpm at Max Power	3500
Torque Nm	470
Rpm 1/min (min)	800
rpm (min. "Max Torque" eng. speed)	1400
Type of turbocharging	TS

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 RG - NDA Twin Wheels (ex 450311)

Other features

Axle Type	RIGID
Axle weight without susp. and tyres (Kg)	136
Max Load (class) Kg	2600
Reduction type	single

Brakes

Brakes according to standards	EC

Model Components

Brake type	Disc

FTP - FS - AMA021N - Torsion bar 21 q

Suspensions

Springs material	STEEL
Front Axle Suspension Type	Independent with torsion bar

Shock absorbers

Shock absorbers type	HYDRAULIC TELESCOPIC
Shock absorbers no. (front)	2

Features of the brakes (front wheels) :

35C - 50C : 2 calipers, diameter 2x48 mm - disc: diameter 290 mm, thickness: 28 mm

FTP - FS - AMB019N - Leaf Spring 19 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) :

35S / 35C : 2 calipers, diameter 2x48 mm - disc: diameter 300 mm, thickness: 28 mm

FTP - RS - PMA031N - Leaf springs 31 q.

Suspensions

Lifting actuation	ELECTRO-AIR

Shock absorbers

Shock absorbers type	HYDRAULIC TELESCOPIC
Shock absorbers no. (rear)	2

Notes:
For models 29L / 35S : vans ,combi ,chassis cowl , chassis cab , crew cab are equipped with parabolic springs.

For models 35C / 40C / 45C / 50C / 65C : vans ,combi,chassis cowl are equipped with parabolic springs.

For models " " " " " : chassis cab ,crew cab are equipped with semielliptic springs.

FTP - FR - AB05605R1 - Chassis 174 x 66 x 4

Chassis (mm)

Frame section	PARALLEL

Chassis / W.B.

Section shape	"C"
Wheelbase mm	3450
Side members material	STEEL

FTP - FR - AB06215R1 - Chassis 174 x 66 x 4

Chassis (mm)

Frame section	PARALLEL

Chassis / W.B.

Section shape	"C"
Wheelbase mm	3750
Side members material	STEEL

FDP: A35C MARKET: 1100 Model: 35C21A8

Model Components

FTP - FR - AB06615R1 - Chassis 174 x 66 x 4

Chassis (mm)

Frame section	PARALLEL

Chassis / W.B.

Section shape	"C"
Wheelbase mm	4100
Side members material	STEEL

FTP - FR - AB05040R1 - Chassis 174 x 66 x 4

Chassis (mm)

Frame section	PARALLEL

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 Schleppmoment 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

FDP: A35C MARKET: I100 Model: 35C21A8

Model Components

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
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	

FDP: A35C MARKET: I100 Model: 35C21A8

Model Components

Remarks:

Anti-corrosion protection includes full cataphoretic 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 byany 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

IVECO

FDP: A35C MARKET: 1100 Model: 35C21A8

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 cataphoretic 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

FDP: A35C MARKET: 1100 Model: 35C21A8

Model Components

FCS - I0000 - 20103 - TYRES 195/75R16 FAST ON ROAD

Tyres

Tyre dimensions	195/75 R 16C
Speed index	N = 140 KM/H
Rolling radius m	.337
Rolling circumference m.	2.115
Dinamic Radius m	.337
Rolling resistance Coefficient	.009

FCS - I0000 - 20046 - 195/75R16 TYRES (ON ROAD/TRACTION)

Tyres

Tyre dimensions	195/75 R 16C
Speed index	N = 140 KM/H
Rolling radius m	.337
Rolling circumference m.	2.115
Dinamic Radius m	.337
Rolling resistance Coefficient	.009

FCS - I0000 - 20661 - 195/75R16 IC 110/108 2120/4000

Tyres

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 - 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 - D0000 - 06006 - 3.15 REAR AXLE RATIO

Rear Axle Ratios

Rear axle ratio	3.15

FCS - D0000 - 07134 - 3.308 REAR AXLE RATIO

Rear Axle Ratios

Rear axle ratio	3.308

FCS - D0000 - 02001 - 2.93 REAR AXLE RATIO

Rear Axle Ratios

Rear axle ratio	2.93

FCS - MPN00 - 00567 - 110 AH BATTERIES

Electrics

Batteries capacity V/Ah	12 V / 110 Ah

FDP: A35C MARKET: I100 Model: 35C21A8

Calculations

Tyres : 20103 - 195/75R16 TYRES
Rear Axle Ratio : 3 - R. AXLE RATIO 4.44
Efficiency : 0.93
No Transfer Box

VCB Code	Ratios		Speed	Max Gradeability								
8CFA1AE1	ZF 8HP	NDA RG	Km/h	Total Weights (solo vehicle) (Kg)					Total Weights (vehicle+trailer) (Kg)			
				3500					7000			
	1° 4.71	4.44	21.24	100					41.82			
	L. .67		149.3	9.04					4.06			

Tyres : 20103 - 195/75R16 TYRES
Rear Axle Ratio : 2001 - 2.93 REAR AXLE RATIO
Efficiency : 0.93
No Transfer Box

VCB Code	Ratios		Speed	Max Gradeability								
8CFA1AE1	ZF 8HP	NDA RG	Km/h	Total Weights (solo vehicle) (Kg)					Total Weights (vehicle+trailer) (Kg)			
				3500					7000			
	1° 4.71	2.93	32.18	59.56					25.97			
	L. .67		160	3.46					1.28			

Tyres : 20103 - 195/75R16 TYRES
Rear Axle Ratio : 2007 - 3.91 REAR AXLE RATIO
Efficiency : 0.93
No Transfer Box

VCB Code	Ratios		Speed	Max Gradeability								
8CFA1AE1	ZF 8HP	NDA RG	Km/h	Total Weights (solo vehicle) (Kg)					Total Weights (vehicle+trailer) (Kg)			
				3500					7000			
	1° 4.71	3.91	24.12	94.37					35.99			
	L. .67		160	7.3					3.19			

Tyres : 20103 - 195/75R16 TYRES
Rear Axle Ratio : 6006 - 3.15 REAR AXLE RATIO
Efficiency : 0.93
No Transfer Box

VCB Code	Ratios		Speed	Max Gradeability								
8CFA1AE1	ZF 8HP	NDA RG	Km/h	Total Weights (solo vehicle) (Kg)					Total Weights (vehicle+trailer) (Kg)			
				3500					7000			
	1° 4.71	3.15	29.94	66.01					28.15			
	L. .67		160	4.43					1.76			

Tyres : 20103 - 195/75R16 TYRES
Rear Axle Ratio : 6010 - R. AXLE RATIO 3.60
Efficiency : 0.93
No Transfer Box

VCB Code	Ratios		Speed	Max Gradeability								
8CFA1AE1	ZF 8HP	NDA RG	Km/h	Total Weights (solo vehicle) (Kg)					Total Weights (vehicle+trailer) (Kg)			
				3500					7000			
	1° 4.71	3.615	26.09	81.94					32.89			
	L. .67		160	6.25					2.67			

Tyres : 20103 - 195/75R16 TYRES
Rear Axle Ratio : 6056 - 4.22 REAR AXLE RATIO
Efficiency : 0.93
No Transfer Box

VCB Code	Ratios		Speed	Max Gradeability								
8CFA1AE1	ZF 8HP	NDA RG	Km/h	Total Weights (solo vehicle) (Kg)					Total Weights (vehicle+trailer) (Kg)			
				3500					7000			
	1° 4.71	4.22	22.35	100					39.36			
	L. .67		157.09	8.33					3.7			

FDP: A35C MARKET: I100 Model: 35C21A8

Calculations

Tyres : 20103 - 195/75R16 TYRES
Rear Axle Ratio : 7134 - 3.308 R. AXLE RATIO
Efficiency : 0.93
No Transfer Box

VCB Code	Ratios			Speed	Max Gradeability									
8CFA1AE1	ZF 8HP		NDA RG	Km/h	Total Weights (solo vehicle) (Kg)					Total Weights (vehicle+trailer) (Kg)				
					3500					7000				
	1°	4.71	3.308	28.51	71.03					29.74				
	L.	.67		160	5.08					2.09				

Tyres : 20103 - 195/75R16 TYRES
Rear Axle Ratio : 8171 - 5.14 REAR AXLE RATIO
Efficiency : 0.93
No Transfer Box

VCB Code	Ratios			Speed	Max Gradeability									
8CFA1AE1	ZF 8HP		NDA RG	Km/h	Total Weights (solo vehicle) (Kg)					Total Weights (vehicle+trailer) (Kg)				
					3500					7000				
	1°	4.71	5.14	18.35	100					50.13				
	L.	.67		128.97	11.18					5.11				