

S T R A L I S

TECHNICAL DESCRIPTION

AT-N440S35T/P

(CURSOR 8 EURO 3 Facelift)



Commercial & Technical Training

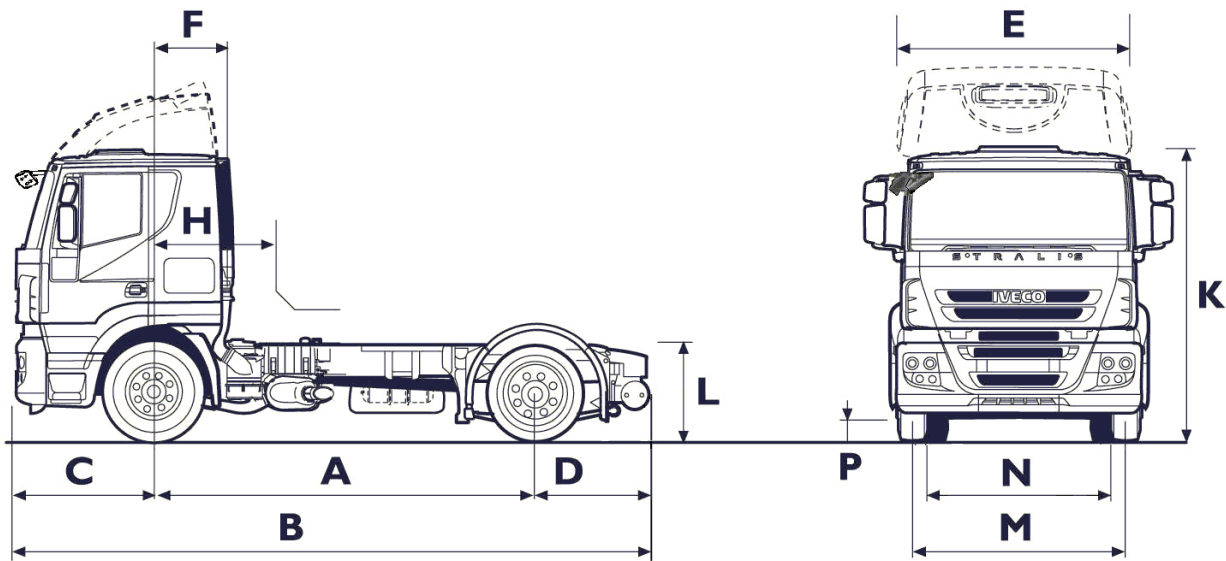
The information in this literature is intended to be of a general nature only. Iveco reserves the right to modify or change specification at any time.

Gearbox ZF 12 AS 1930 TD

Wheelbase	Cab	Drive	Vcb
3650	AT	LEFT HAND DRIVE	TPNB21B3
	AT	RIGHT HAND DRIVE	TPNB21BC
3800	AT	LEFT HAND DRIVE	TPNB23B3
	AT	RIGHT HAND DRIVE	TPNB23BC

Gearbox ZF 16S 1620 TD

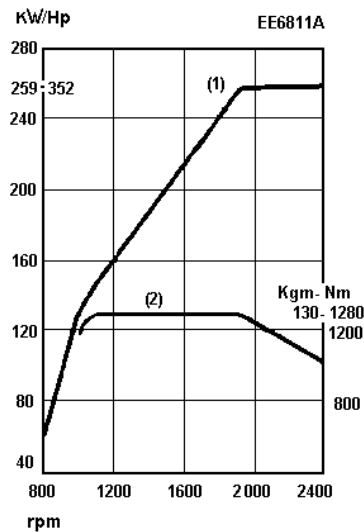
Wheelbase	Cab	Drive	Vcb
3650	AT	LEFT HAND DRIVE	TPNB21A3
	AT	RIGHT HAND DRIVE	TPNB21AC
3800	AT	LEFT HAND DRIVE	TPNB23A3
	AT	RIGHT HAND DRIVE	TPNB23AC


DIMENSIONS (mm) (AU1543-D AT)

A Wheelbase	3650	3800
B Overall length	6070	6250
C Front overhang	1410	1410
D Rear overhang	1048	1048
E Max cab width	2550	2550
F Front axle to back of cab	940	940
K Overall height to top of cab, unladen	2990	2990
L Frame height at end of frame, unladen	982	982
M Front track	2049	2049
N Rear track	1818	1818
P Minimum ground clearance (Axle2)	214	214
Turning radius wall to wall	7115	7365
Turning radius kerb to kerb	6475	6700
Frame height at front axle, unladen	1010	1010
Frame height at rear axle, unladen	983	983

Weights (kg) (BU51417-D AT)		
Wheelbase	<u>3650</u>	<u>3800</u>
GVW EEC	18000	18000
GVW - Design	19000	19000
GTW EEC	40000	40000
GTW - Design	50000	50000
Plated weight on axle 1 EEC	7100	7100
Plated weight on axle 1 - Design	7100	7100
Plated weight on axle 2 EEC	11500	11500
Plated weight on axle 2 - Design	12600	12600
Max body & payload EEC	11640	11620
Max body & payload - Design	12640	12620
Semitrailer weight EEC	33640	33620
Total vehicle kerbweight 1	4450	4460
Total vehicle kerbweight 2	1910	1920
Tractor kerbweight	6360	6380

Engine F2BEE681A*B (EU 0076-D)



Name	CURSOR 8 - F2B
Position	FRONT
Direction of engine	VERTICAL
Cycle	DIESEL
Aspiration type	TC+INTERCOOLER
Injection type	UNIT INJECTOR
No. of cylinders	6 IN-LINE
4 Stroke / 2 Stroke cycle	4
Total displacement cm ³	7790
Bore / Stroke mm	115 / 125
Max power (1)	259 kW 352 HP 2400 rpm
Specific fuel consumption-max power	215 g/kWh
Max torque (2)	131 kgm 1280 Nm 1080 ÷ 1930 rpm
Specific fuel consumption-max torque	209 g/kWh
Power loss	0% up to 1500 m sea level
Dry weight kg	773
Oil capacity kg	25
Crankshaft supported by	7 Bearings
Injection pump governor type	EDC
Cooling system	WATER
Hydraulic steering pump	
Type of turbocharging	VGT
Emissions according regulations	EURO3

Engine F2BEE681A*B (EU 0076-D)

The central electronic system controls the following functions:

. Engine preheating, VGT, injection control, engine brake, speed control, cruise control, data exchange with ASR (anti-slip) control, indicators on instrument panel

Fuelling (ABU 0007-D)

No. of tanks	1
Material	ALUMINIUM
Total tank capacity l.	300
Position on frame	RIGHT SIDE
Fuel pump	
Prefilter	
Filter	
Fuel separator	

Air intake (AC 0001-D)

Filter type	DRY
Snorkel position	BEHIND THE CAB ON THE LEFT
Air intake	WITH SNORKEL

Cooling (AD AS001-D)

Cooling system	WATER
Fan type	ELECTROMAGNETIC

Clutch 17" (FU 0002-D)

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

Gearbox ZF 16S 1620 TD (GU 0064-D)

Type	SYNCHROMESH
Installation	ENGINE FLANGED
Control	MANUAL DOUBLE H
No. of gears (....+.....reverse)	16+2
Casing material	ALUMINIUM
Gearbox opening	16.41

Gear ratios

1st	16.41
2nd	13.80
3rd	11.28
4th	9.49
5th	7.76

Gear ratios

6th	6.53
7th	5.43
8th	4.57
9th	3.59
10th	3.02
11th	2.47
12th	2.08
13th	1.70
14th	1.43
15th	1.19
16th	1.0
Rev. 1st	15.36
Rev. 2nd	12.92

Gearbox ZF 12 AS 1930 TD (GU 0058-D)

Type	AUTOMATED
Installation	ENGINE FLANGED
Control	ELECTR.-PNEUM.
No. of gears (....+.....reverse)	12+2
Casing material	ALUMINIUM
Gearbox opening	15.86

Gear ratios

1st	15.86
2nd	12.33
3rd	9.57
4th	7.44
5th	5.87
6th	4.57
7th	3.47
8th	2.70
9th	2.10
10th	1.63
11th	1.29
12th	1.00
Rev. 1st	14.68
Rev. 2nd	11.41

Front steering axle (LU 0001-D)

Identification	5876
Type	RIGID
Steering angle (ext.)	52°
Steering angle (int.)	36°

Front steering axle (LU 0001-D)

Axle material	STEEL
Axle construction	FORGED
Beam section	"I"

Rear drive axle (MU 0061-D)

Identification	MS13-175
Axle	SINGLE
Wheel arrangement	TWIN
Reduction type	SINGLE

Suspensions (NU 0336-D)

Front steering axle	SINGLE RATE PARABOLIC SPRING
Rear drive axle	AIR SPRING
Frame lifting	

Main features

Axle no.	1	2
Air tank capacity		20
Bellow diameter (mm)		190
Leaf width (mm)	90	
Main leaf spring length (mm)	1900	
No. of main leaves spring	1	
No. of bellows		4
Number of air tanks		2
Number of levelling valves		1

ECAS

Shock absorber (PU 0002-D)

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

Anti-roll bars (OU 0002-D)

Position	FRONT AND REAR AXLE
Type	TORSION BAR

Wheels (QU 0002-D)

Wheel type	DISC
Wheel material	STEEL
Wheel dimensions	22.5" x 8.25"

Tyres (RU 0010-D)

Tyre dimensions	295/80 R 22.5
Load-index	152/148
Speed index	M = 130 Km/h
Rolling radius mm	510
Rolling circumference mm	3202

Axle Mounting

1	SINGLE
2	TWIN

Steering (KU 0009-D)

Type	HYDRAULIC
Adjustment type	HEIGHT + STEERING WHEEL ANGLE
Steering wheel diameter (mm)	470
No of parts in steering column	2

Chassis (mm) (JU 0097-D)

Frame section	DOUBLE JOGGLE
Front crossmember fixing	BOLTED
Middle crossmember fixing	RIVETED
Rear crossmember fixing	BOLTED

Wheelbase	3650	3800
Side member material	STEEL	STEEL
Side member section	"C"	"C"
Flange thickness	6.7	6.7
Web thickness	6.7	6.7
Upper flange width	80	80
Lower flange width	80	80
Side member max. height	302.4	302.4
Frame width at rear	769.4	769.4

Angles for the 5th wheel support plate fixing: 105 x 63 x 8 (mm)

Brakes (SU 0230-D)

Air dryer	
Antiskid system	ABS + EBL
Auxiliary brake / Engine brake	DECOMPRESSION ENGINE BRAKE
Emergency brake	COMBINED WITH PARKING BRAKE
Parking brake	MECHANICAL WITH SPRING CYLINDER
Service brake	AIR
Parking brake axle(s)	REAR DRIVE AXLE(S)
Total tank capacity l.	70
Air compressor displacement cm ³	352
Air compressor	TWIN CYLINDER
Brake standards	EEC
No. of circuits	2
Number of air tanks	3

Axle no.	Axle 1	Axle 2
Brake type	DISC	DISC
No. of cylinders	2	2
Brake cylinder diameter (sqin)	22	18
Disk diameter (mm)	432	432
Friction area cm ²	784	784

Electrics (VU 0035-D)

Voltage V	24
Alternator power V/A	28/90
No. of batteries	2
Battery voltage V	12
Battery capacity Ah	220
Starter motor power kW	5

MUX- Iveco Multiplex System for control of cab and vehicle functions

Lighting (WU 0013-D)

Type of lamps	HALOGEN
Front parking lights	
Rear lights	
Front side marker lights	
Reverse lights	
Hazard lights	
Number plate lights	

Lighting (WU 0013-D)

Front fog lights

Rear fog light(s)

Side lights

Rear marker lights

Stop lights

Front direction indicators

Side direction indicators

Rear direction indicators

Rear cab lighting

Provision for front fog lights

Cab AT (YU 0023AT-)

Cab type FORWARD CONTROL

Version CAB AT (ACTIVE TIME)

Material STEEL PLATE

No of steps 3

Tilting device HYDRAULIC

Tilt angle 60°

Roof hatch control system ELECTRICAL

Window operation (front) FULL ELECTRICAL

Front fairing

Roof material STEEL, INTERNALLY COVERED WITH WASHABLE FABRIC

Roof light

Windscreen type LAMINATED

Windscreen ONE PIECE - CURVED

Windscreen according to standards: EEC/USA

No. of windscreen wipers 2

No. of windscreen wiper speeds 2

Front suspension type 2 HELICAL SPRING + SHOCK ABSORBER

Rear suspension type 2 HELICAL SPRINGS AND SHOCK ABSORBERS (Mc Pherson)

Rear view mirrors no. 4

Mirror control MANUAL

Driver seat type AIR

Driver seat adjustment HEIGHT, LONGITUDINAL AND BACK INCLINATION

No. of fan speeds 4

Heating control MANUAL

No. of bunks 1

Bunk position BOTTOM BUNK TILTABLE (AT)

Lighter

CB wiring

Radio wiring

Cab AT (YU 0023AT-)

Remarks:

Athermic windows, doors with fabric carpeting, storage compartments, defrost system for door windows, arm rest;
Corrosion protection, underseal and cavity sealing with wax.

No. of places: 1 (with medium roof) - 2 (with low roof)

Driver's seat:

Head rest, seat belts, fabric covering.

Passenger's seat (AT low roof only):

Fixed, 2 way adjustable (longitudinal +adjustable back), head rest, seat belts, fabric covering.

Roof panel:

Prearrangement for revolving roof lamp (AT low roof only).

Roof hatch (electrical control) with athermic glass (AT medium roof only).

Floor:

Removable mats.

Interior equipment:

Adjustable steering column (pneumatic control), storage compartments, shelves in overhead console, shelves on floor level, interior lights, 2 spotlights.

Interior equipment - prearrangement for:

Tachograph, loud-speaker, aerial, passenger seat (AT / medium roof), rack, fridge, additional air heater, additional head lamps and fog lamps, suit carrier, satellite navigator.

Central console:

can holders, small storage compartment, central panel, adjustable air vents, 2 ash-trays, lighter / 24 V, heating control / manually adjusted air conditioning system, compressed air socket for removing dust, 12 V socket, parking brake lever, holder for mobile telephone.

Exterior equipment:

External storage box (on side wall) opened from inside, front bumper with steps, mudguard, front grille, pre-arrangement for front towing hook (removable), side spoilers as splash protection, mudflaps, external engine starter (when cab is tilted) including safety device.

In cab equipment (TU 0022-D)

In cab equipment (TU 0022-D)

Indicator lamps, on cluster:

Additional headlamps - Low beam headlights - High beam headlights - General warning light (STOP / Failure) - General alarm - Fog lights - Rear fog light - Vehicle chassis not in ride position (air suspension) - Lifted third axle (6x2 only) - Auxiliary during starting - Mirror heating - OBD II Mil (On Board Display - Malfunction Indicator Lamp) - Seat belts (prearrangement only) - Inter-axle differential lock - Front transversal differential lock - Rear transversal differential lock - Direction indicators - Retarder - Engine brake - Brakes failure - Hazard lights - First PTO - Second PTO - Parking brake - Cluster failure - Immobilizer - Tachograph failure - Fuel level gauge - Coolant temperature.

Indicator lamps, on display:

Windscreen defroster - Loading deck light (tractors only) - Rotating roof lights - Automatic chains - ASR active - ABS failure - ASR failure - Third PTO - Cab not locked down - Tilted platform - Lifted axle - Doors open - Battery charge - High engine temperature - Engine oil pressure - Low front axle brake air pressure - Low rear axle brake air pressure - Low trailer brake air pressure - Low air pressure for auxiliaries - Low hydraulic pressure third axle (steered) - WTEC III Allison failure - Eurotronic II failure - Airbag failure (prearrangement) - Economy/power - Gear indicator - Mech. Gear: "N" (Neutral), "F" (Forward gear), "R" (Reverse gear); Group - Eurotronic: Drive, Auto / Semi, Gear limitation - Single H: Drive, Group - Battery voltage - Speed limiter (programmable) - Cruise control active - Trailer without ABS/EBS - Information about radio - Preheating - Engine oil level - Engine oil temperature - Engine coolant level (min.) - Windscreen washer reservoir level (min.) - Air filter clogged - Fuel filter clogged - Engine oil filter clogged - Water in fuel prefilter - Brake pad wear (front) - Brake pad wear (rear) - Lamp failure - Power steering fluid level - EDC failure - EBS/ABS failure - EBS/ABS failure (Trailer) - ECAS failure - WTEC III Allison failure (level) - Independent water heater failure - Air heater failure - Air conditioning system failure - Parking brake failure (low pressure) - Fuel reserve - Tachograph failure.

Instruments:

Tachometer with trip mileage counter - Rev counter with coloured sectors - Fuel level with reserve indicator and warning light - Water temperature with warning light.

Display:

TFT display with dialogue menu - LCD indicators for kil. / mile counter (Total / Trip), Clock - External temperature and instruments lighting

Tachograph 2 drivers

Controls on instrument panel:

External lights - Headlight adjustment - Rear fog lamp - Rear cab light (tractors only) - ASR (mode) - Hazard lights - Tilting cab.

Controls on central panel:

Engine brake - Axle raising (6x2 / P with ECAS) - Aid at pick-up (auxiliary during starting) (6x2 / P with ECAS) - Courtesy lights with dual white / red lighting (night light) - Main power contactor (or ADR - with mech. block).

Controls on steering wheel:

Lower central area for horn

Left side: UP / DOWN

+ / -

Right side: MENU / OK

PAGE SCROLL

ESCAPE

Multifunction stalks:

Low beam / high beam - Headlight flasher - Direction indicators - Windscreen wipers with 2 washer jets (electric control) - Windscreen wipers with intermittent wipe - Headlight wipers - Cruise control - Engine brake and retarder - Speed limiter (programmable)

Control board on rear panel (Bed panel) with:

Socket 12 V - Light switches - Alarm clock - Roof hatch control - Window controls - Central lock - Independent heating - Radio / CD controls.

Sockets:

24 V (from lighter) - Possibility of connection for external diagnosis (with socket in cab) - Socket 12 V

PTO / Body builder interface to engine ECU

Box for central electrics in front of passenger's seat as a compartment.

Tools kit.

In cab equipment (TU 0022-D)**Miscellaneous (XU 0085-D)**

Rear mudguards

Jack

Exhaust pipe position: left side for LHD - right side for RHD

Front underrun protection (standard on AT - AD; option on AS)

Drawings (DUAT1006-D)

Wheelbase	<u>3650</u>	<u>3800</u>
Left hand drive vehicle drawing	41841255	41841256
Right hand drive vehicle drawing	41841255	41841256
Sleeper cab frame drawing	41804753	41803584
Day cab frame drawing	41804753	41803584

Gearbox ZF 12 AS 1930 TD
Tyres 12 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GTW				
			16	17	18	19	20	38	40	43.2	44	
3.364	1 - 15.86	8.9	100,0	100,0	91,0	83,0	76,0	33,0	31,0	28,0	28,0	
	12 - 1	141.4	3,5	3,3	3,1	2,9	2,7	1,1	1,0	0,8	0,8	
3.700	1 - 15.86	8.1	100,0	100,0	100,0	99,0	90,0	37,0	35,0	32,0	31,0	
	12 - 1	128.6	4,1	3,8	3,6	3,4	3,1	1,3	1,2	1,1	1,0	
4.111	1 - 15.86	7.3	100,0	100,0	100,0	100,0	100,0	42,0	39,0	36,0	35,0	
	12 - 1	115.7	4,8	4,5	4,2	3,9	3,7	1,6	1,5	1,3	1,3	
4.625	1 - 15.86	6.5	100,0	100,0	100,0	100,0	100,0	48,0	45,0	41,0	40,0	
	12 - 1	102.8	5,6	5,3	4,9	4,6	4,4	1,9	1,8	1,6	1,6	
5.286	1 - 15.86	5.7	100,0	100,0	100,0	100,0	100,0	58,0	54,0	49,0	47,0	
	12 - 1	90	6,7	6,2	5,8	5,5	5,2	2,4	2,2	2,0	1,9	

Gearbox ZF 12 AS 1930 TD
Tyres 13 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GTW				
			16	17	18	19	20	38	40	43.2	44	
3.364	1 - 15.86	9.2	100,0	96,0	86,0	79,0	72,0	32,0	30,0	27,0	27,0	
	12 - 1	146	3,4	3,1	2,9	2,7	2,6	1,0	0,9	0,8	0,8	
3.700	1 - 15.86	8.4	100,0	100,0	100,0	93,0	85,0	35,0	33,0	31,0	30,0	
	12 - 1	132.7	4,0	3,7	3,4	3,2	3,0	1,2	1,1	1,0	1,0	
4.111	1 - 15.86	7.5	100,0	100,0	100,0	100,0	100,0	40,0	38,0	34,0	34,0	
	12 - 1	119.4	4,6	4,3	4,0	3,8	3,5	1,5	1,4	1,2	1,2	
4.625	1 - 15.86	6.7	100,0	100,0	100,0	100,0	100,0	46,0	44,0	40,0	39,0	
	12 - 1	106.2	5,4	5,1	4,7	4,4	4,2	1,8	1,7	1,5	1,5	
5.286	1 - 15.86	5.9	100,0	100,0	100,0	100,0	100,0	55,0	52,0	47,0	46,0	
	12 - 1	92.9	6,4	6,0	5,6	5,3	5,0	2,3	2,1	1,9	1,9	

Gearbox ZF 12 AS 1930 TD
Tyres 295/80 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GTW				
			16	17	18	19	20	38	40	43.2	44	
3.364	1 - 15.86	8.4	100,0	100,0	100,0	93,0	85,0	35,0	33,0	31,0	30,0	
	12 - 1	132.5	3,9	3,6	3,4	3,1	2,9	1,2	1,1	1,0	0,9	
3.700	1 - 15.86	7.6	100,0	100,0	100,0	100,0	100,0	40,0	37,0	34,0	33,0	
	12 - 1	120.5	4,5	4,2	3,9	3,7	3,4	1,5	1,3	1,2	1,2	
4.111	1 - 15.86	6.8	100,0	100,0	100,0	100,0	100,0	45,0	42,0	39,0	38,0	
	12 - 1	108.4	5,2	4,9	4,5	4,3	4,0	1,8	1,6	1,5	1,4	
4.625	1 - 15.86	6.1	100,0	100,0	100,0	100,0	100,0	52,0	49,0	45,0	44,0	
	12 - 1	96.4	6,1	5,7	5,3	5,0	4,7	2,1	2,0	1,8	1,7	
5.286	1 - 15.86	5.3	100,0	100,0	100,0	100,0	100,0	63,0	59,0	53,0	52,0	
	12 - 1	84.3	7,2	6,7	6,3	5,9	5,6	2,6	2,4	2,2	2,1	

Gearbox ZF 12 AS 1930 TD
Tyres 315/70 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GTW				
			16	17	18	19	20	38	40	43.2	44	
3.364	1 - 15.86	8.4	100,0	100,0	100,0	93,0	85,0	35,0	33,0	31,0	30,0	
	12 - 1	132.5	3,9	3,6	3,4	3,1	2,9	1,2	1,1	1,0	0,9	
3.700	1 - 15.86	7.6	100,0	100,0	100,0	100,0	100,0	40,0	37,0	34,0	33,0	
	12 - 1	120.5	4,5	4,2	3,9	3,7	3,4	1,5	1,3	1,2	1,2	
4.111	1 - 15.86	6.8	100,0	100,0	100,0	100,0	100,0	45,0	42,0	39,0	38,0	
	12 - 1	108.4	5,2	4,9	4,5	4,3	4,0	1,8	1,6	1,5	1,4	
4.625	1 - 15.86	6.1	100,0	100,0	100,0	100,0	100,0	52,0	49,0	45,0	44,0	
	12 - 1	96.4	6,1	5,7	5,3	5,0	4,7	2,1	2,0	1,8	1,7	
5.286	1 - 15.86	5.3	100,0	100,0	100,0	100,0	100,0	63,0	59,0	53,0	52,0	
	12 - 1	84.3	7,2	6,7	6,3	5,9	5,6	2,6	2,4	2,2	2,1	

Gearbox ZF 12 AS 1930 TD
Tyres 315/80 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GTW				
			16	17	18	19	20	38	40	43.2	44	
3.364	1 - 15.86	8.8	100,0	100,0	93,0	84,0	77,0	33,0	31,0	29,0	28,0	
	12 - 1	140.3	3,6	3,3	3,1	2,9	2,7	1,1	1,0	0,9	0,8	
3.700	1 - 15.86	8	100,0	100,0	100,0	100,0	91,0	37,0	35,0	32,0	31,0	
	12 - 1	127.6	4,2	3,9	3,6	3,4	3,2	1,3	1,2	1,1	1,0	
4.111	1 - 15.86	7.2	100,0	100,0	100,0	100,0	100,0	42,0	40,0	36,0	35,0	
	12 - 1	114.8	4,9	4,5	4,2	4,0	3,7	1,6	1,5	1,3	1,3	
4.625	1 - 15.86	6.4	100,0	100,0	100,0	100,0	100,0	49,0	46,0	42,0	41,0	
	12 - 1	102.1	5,7	5,3	5,0	4,7	4,4	2,0	1,8	1,6	1,6	
5.286	1 - 15.86	5.6	100,0	100,0	100,0	100,0	100,0	58,0	54,0	49,0	48,0	
	12 - 1	89.3	6,7	6,3	5,9	5,5	5,2	2,4	2,2	2,0	2,0	

Gearbox ZF 16S 1620 TD
Tyres 12 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GTW				
			16	17	18	19	20	38	40	43.2	44	
3.364	1 - 16.41	8.6	100,0	100,0	98,0	88,0	81,0	34,0	32,0	30,0	29,0	
	16 - 1	141.4	3,5	3,3	3,1	2,9	2,7	1,1	1,0	0,8	0,8	
3.700	1 - 16.41	7.8	100,0	100,0	100,0	100,0	96,0	38,0	36,0	33,0	32,0	
	16 - 1	128.6	4,1	3,8	3,6	3,4	3,1	1,3	1,2	1,1	1,0	
4.111	1 - 16.41	7.1	100,0	100,0	100,0	100,0	100,0	43,0	41,0	37,0	36,0	
	16 - 1	115.7	4,8	4,5	4,2	3,9	3,7	1,6	1,5	1,3	1,3	
4.625	1 - 16.41	6.3	100,0	100,0	100,0	100,0	100,0	50,0	47,0	43,0	42,0	
	16 - 1	102.8	5,6	5,3	4,9	4,6	4,4	1,9	1,8	1,6	1,6	
5.286	1 - 16.41	5.5	100,0	100,0	100,0	100,0	100,0	60,0	56,0	51,0	50,0	
	16 - 1	90	6,7	6,2	5,8	5,5	5,2	2,4	2,2	2,0	1,9	

Gearbox ZF 16S 1620 TD
Tyres 13 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GTW				
			16	17	18	19	20	38	40	43.2	44	
3.364	1 - 16.41	8.9	100,0	100,0	92,0	83,0	76,0	33,0	31,0	29,0	28,0	
	16 - 1	146	3,4	3,1	2,9	2,7	2,6	1,0	0,9	0,8	0,8	
3.700	1 - 16.41	8.1	100,0	100,0	100,0	100,0	90,0	37,0	35,0	32,0	31,0	
	16 - 1	132.7	4,0	3,7	3,4	3,2	3,0	1,2	1,1	1,0	1,0	
4.111	1 - 16.41	7.3	100,0	100,0	100,0	100,0	100,0	42,0	39,0	36,0	35,0	
	16 - 1	119.4	4,6	4,3	4,0	3,8	3,5	1,5	1,4	1,2	1,2	
4.625	1 - 16.41	6.5	100,0	100,0	100,0	100,0	100,0	48,0	45,0	41,0	40,0	
	16 - 1	106.2	5,4	5,1	4,7	4,4	4,2	1,8	1,7	1,5	1,5	
5.286	1 - 16.41	5.7	100,0	100,0	100,0	100,0	100,0	58,0	54,0	49,0	48,0	
	16 - 1	92.9	6,4	6,0	5,6	5,3	5,0	2,3	2,1	1,9	1,9	

Gearbox ZF 16S 1620 TD
Tyres 295/80 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GTW				
			16	17	18	19	20	38	40	43.2	44	
3.364	1 - 16.41	8.4	100,0	100,0	100,0	93,0	85,0	35,0	33,0	31,0	30,0	
	16 - 1	137.1	3,7	3,4	3,2	3,0	2,8	1,1	1,0	0,9	0,9	
3.700	1 - 16.41	7.6	100,0	100,0	100,0	100,0	100,0	40,0	37,0	34,0	33,0	
	16 - 1	124.6	4,3	4,0	3,7	3,5	3,3	1,4	1,3	1,1	1,1	
4.111	1 - 16.41	6.8	100,0	100,0	100,0	100,0	100,0	45,0	42,0	39,0	38,0	
	16 - 1	112.2	5,0	4,7	4,4	4,1	3,8	1,7	1,5	1,4	1,3	
4.625	1 - 16.41	6.1	100,0	100,0	100,0	100,0	100,0	52,0	49,0	45,0	44,0	
	16 - 1	99.7	5,8	5,5	5,1	4,8	4,5	2,0	1,9	1,7	1,6	
5.286	1 - 16.41	5.3	100,0	100,0	100,0	100,0	100,0	63,0	59,0	53,0	52,0	
	16 - 1	87.2	6,9	6,4	6,0	5,7	5,4	2,5	2,3	2,1	2,0	

Gearbox ZF 16S 1620 TD
Tyres 315/70 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GTW				
			16	17	18	19	20	38	40	43.2	44	
3.364	1 - 16.41	8.1	100,0	100,0	100,0	100,0	90,0	37,0	35,0	32,0	31,0	
	16 - 1	132.5	3,9	3,6	3,4	3,1	2,9	1,2	1,1	1,0	0,9	
3.700	1 - 16.41	7.3	100,0	100,0	100,0	100,0	100,0	41,0	39,0	36,0	35,0	
	16 - 1	120.5	4,5	4,2	3,9	3,7	3,4	1,5	1,3	1,2	1,2	
4.111	1 - 16.41	6.6	100,0	100,0	100,0	100,0	100,0	47,0	44,0	40,0	39,0	
	16 - 1	108.4	5,2	4,9	4,5	4,3	4,0	1,8	1,6	1,5	1,4	
4.625	1 - 16.41	5.9	100,0	100,0	100,0	100,0	100,0	55,0	51,0	47,0	45,0	
	16 - 1	96.4	6,1	5,7	5,3	5,0	4,7	2,1	2,0	1,8	1,7	
5.286	1 - 16.41	5.1	100,0	100,0	100,0	100,0	100,0	66,0	61,0	55,0	54,0	
	16 - 1	84.3	7,2	6,7	6,3	5,9	5,6	2,6	2,4	2,2	2,1	

Gearbox ZF 16S 1620 TD
Tyres 315/80 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GTW				
			16	17	18	19	20	38	40	43.2	44	
3.364	1 - 16.41	8.6	100,0	100,0	99,0	89,0	82,0	35,0	33,0	30,0	29,0	
	16 - 1	140.3	3,6	3,3	3,1	2,9	2,7	1,1	1,0	0,9	0,8	
3.700	1 - 16.41	7.8	100,0	100,0	100,0	100,0	97,0	39,0	36,0	33,0	33,0	
	16 - 1	127.6	4,2	3,9	3,6	3,4	3,2	1,3	1,2	1,1	1,0	
4.111	1 - 16.41	7	100,0	100,0	100,0	100,0	100,0	44,0	41,0	38,0	37,0	
	16 - 1	114.8	4,9	4,5	4,2	4,0	3,7	1,6	1,5	1,3	1,3	
4.625	1 - 16.41	6.2	100,0	100,0	100,0	100,0	100,0	51,0	48,0	43,0	42,0	
	16 - 1	102.1	5,7	5,3	5,0	4,7	4,4	2,0	1,8	1,6	1,6	
5.286	1 - 16.41	5.4	100,0	100,0	100,0	100,0	100,0	61,0	57,0	51,0	50,0	
	16 - 1	89.3	6,7	6,3	5,9	5,5	5,2	2,4	2,2	2,0	2,0	