

T R A K K E R

TECHNICAL DESCRIPTION

AD 260 T 38
(EURO 3)



Commercial & Technical Training

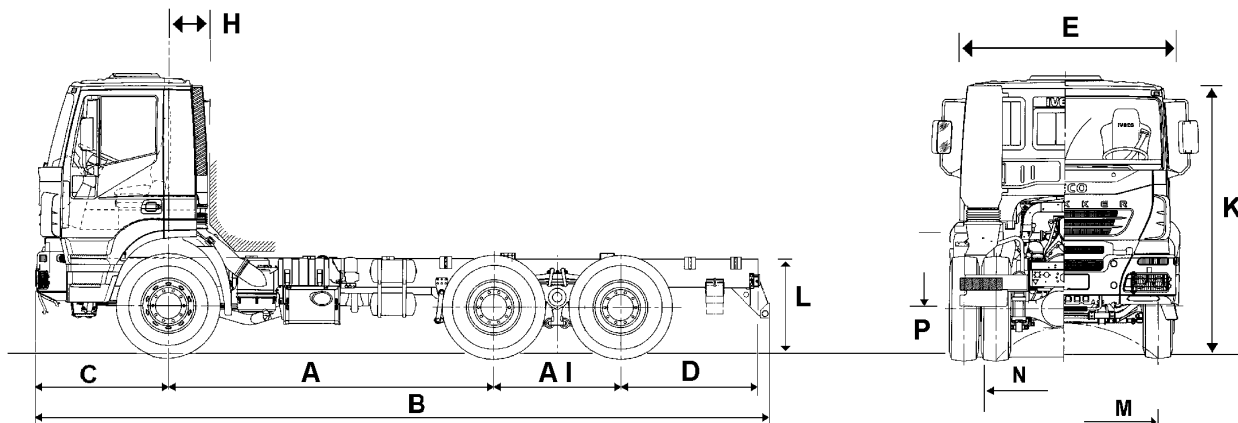
The information in this literature is intended to be of a general nature only. Iveco reserve the right to modify or change specification at any time.

Gearbox ZF 12AS-2301OD

Wheelbase	Cab	Drive	Vcb
3200-1380	AD	LEFT HAND DRIVE	KCLA12E1
	AD	RIGHT HAND DRIVE	KCLA12EA
3500-1380	AD	LEFT HAND DRIVE	KCLA13E1
	AD	RIGHT HAND DRIVE	KCLA13EA
3820-1380	AD	LEFT HAND DRIVE	KCLA14E1
	AD	RIGHT HAND DRIVE	KCLA14EA
4200-1380	AD	LEFT HAND DRIVE	KCLA15E1
	AD	RIGHT HAND DRIVE	KCLA15EA
4500-1380	AD	LEFT HAND DRIVE	KCLA16E1
4800-1380	AD	LEFT HAND DRIVE	KCLA17E1
	AD	RIGHT HAND DRIVE	KCLA17EA
5100-1380	AD	LEFT HAND DRIVE	KCLA18E1

Gearbox ZF 16S-151 OD

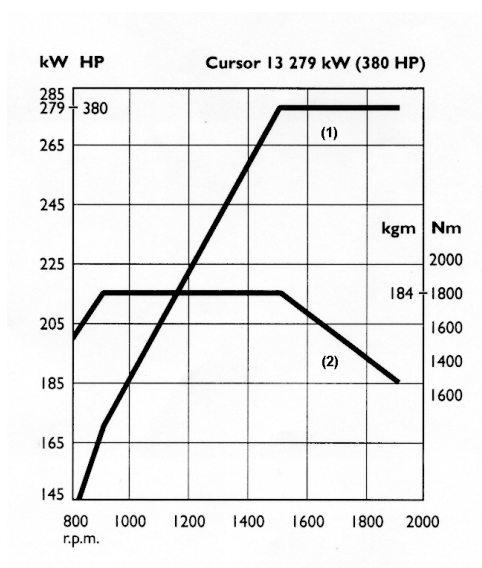
Wheelbase	Cab	Drive	Vcb
3200-1380	AD	LEFT HAND DRIVE	KCLA12B1
	AD	RIGHT HAND DRIVE	KCLA12BA
3500-1380	AD	LEFT HAND DRIVE	KCLA13B1
	AD	RIGHT HAND DRIVE	KCLA13BA
3820-1380	AD	LEFT HAND DRIVE	KCLA14B1
	AD	RIGHT HAND DRIVE	KCLA14BA
4200-1380	AD	LEFT HAND DRIVE	KCLA15B1
	AD	RIGHT HAND DRIVE	KCLA15BA
4500-1380	AD	LEFT HAND DRIVE	KCLA16B1
4800-1380	AD	LEFT HAND DRIVE	KCLA17B1
	AD	RIGHT HAND DRIVE	KCLA17BA
5100-1380	AD	LEFT HAND DRIVE	KCLA18B1


DIMENSIONS (mm) (AU 0976-D AD)

A Wheelbase	3200-1380	3500-1380	3820-1380	4200-1380	4500-1380
B Total length	7412	7997	8267	8312	9437
C Front overhang	1440	1440	1440	1440	1440
D Rear overhang	1225	1495	1495	1135	1990
E Max width	2550	2550	2550	2550	2550
H Front of body to front axle distance	445	445	445	445	445
K Overall height to top of cab, unladen	3104	3104	3104	3104	3104
L Height of frame at frame end, unladen	1124	1124	1124	1124	1124
M Front track	2040	2040	2040	2040	2040
N Rear track	1827	1827	1827	1827	1827
P Minimum ground clearance (Axle2)	371	371	371	371	371
Overall width (rear tyres)	2498	2498	2498	2498	2498
Approach angle	26°	26°	26°	26°	26°
Departure angle	29°	23°	23°	31°	17°
Ramp angle	20°	20°	19°	19°	19°
Back of cab to end of frame	5524	6109	6379	6424	7549
Steering radius wall to wall	7975	8325	8725	9200	9575
Steering radius kerb to kerb	7400	7750	8150	8625	9000
Frame height at front axle, unladen	1125	1125	1125	1125	1125
Frame height at rear axle, unladen	1124	1124	1124	1124	1124
A Wheelbase	4800-1380	5100-1380			
B Total length	9257	9662			
C Front overhang	1440	1440			
D Rear overhang	1495	1585			
E Max width	2550	2550			
H Front of body to front axle distance	445	445			

DIMENSIONS (mm) (AU 0976-D AD)		
K Overall height to top of cab, unladen	3104	3104
L Height of frame at frame end, unladen	1124	1124
M Front track	2040	2040
N Rear track	1827	1827
P Minimum ground clearance (Axle2)	371	371
Overall width (rear tyres)	2498	2498
Approach angle	26°	26°
Departure angle	23°	22°
Ramp angle	19°	19°
Back of cab to end of frame	7369	7774
Steering radius wall to wall	9950	10525
Steering radius kerb to kerb	9375	9925
Frame height at front axle, unladen	1125	1125
Frame height at rear axle, unladen	1124	1124

Weights (kg) (BU 0895-D AD)					
Wheelbase	<u>3200-1380</u>	<u>3500-1380</u>	<u>3820-1380</u>	<u>4200-1380</u>	<u>4500-1380</u>
GVW EEC	26000	26000	26000	26000	26000
GVW - Design	26000	26000	26000	26000	26000
GTW EEC	40000	40000	40000	40000	40000
GTW - Design	44000	44000	44000	44000	44000
Plated weight on axle 1 EEC	8000	8000	8000	8000	8000
Plated weight on axle 1 - Design	8000	8000	8000	8000	8000
Plated weight on axle 2 EEC	9500	9500	9500	9500	9500
Plated weight on axle 2 - Design	10500	10500	10500	10500	10500
Plated weight on axle 3 EEC	9500	9500	9500	9500	9500
Plated weight on axle 3 - Design	10500	10500	10500	10500	10500
Body payload EEC	17090	17030	16970	16990	16870
Body payload - Design	17090	17030	16970	16990	16870
Vehicle kerbweight	8910	8970	9030	9010	9130
Vehicle kerbweight 1	4660	4660	4680	4715	4710
Vehicle kerbweight 2	2125	2155	2175	2150	2210
Vehicle kerbweight 3	2125	2155	2175	2145	2210
Wheelbase	<u>4800-1380</u>	<u>5100-1380</u>			
GVW EEC	26000	26000			
GVW - Design	26000	26000			
GTW EEC	40000	40000			
GTW - Design	44000	44000			
Plated weight on axle 1 EEC	8000	8000			
Plated weight on axle 1 - Design	8000	8000			
Plated weight on axle 2 EEC	9500	9500			
Plated weight on axle 2 - Design	10500	10500			
Plated weight on axle 3 EEC	9500	9500			
Plated weight on axle 3 - Design	10500	10500			
Body payload EEC	16860	16770			
Body payload - Design	16860	16770			
Vehicle kerbweight	9140	9230			
Vehicle kerbweight 1	4690	4805			
Vehicle kerbweight 2	2225	2215			
Vehicle kerbweight 3	2225	2210			

Engine F3B E0681G*B (EU 0047-D)


Name	CURSOR 13 - F3B
Position	FRONT
Cycle	DIESEL
Aspiration type	TCA
Injection type	UNIT INJECTOR
No. of cylinders	6 IN-LINE
Fuel type	DIESEL
4 Stroke / 2 Stroke cycle	4
Total displacement cm ³	12880
Bore / Stroke mm	135 / 150
Max power (1)	280 kW 380 HP 1900 rpm
Specific fuel consumption-max power	222 g/kWh
Max torque (2)	184 kgm 1800 Nm 1000 ÷ 1485 rpm
Specific fuel consumption-max torque	190 g/kWh
Power loss	0% every 100 m up to 1500 m sea level
Dry weight kg	1006
Oil capacity kg	35
Crankshaft supported by	7 Bearings
Injection pump governor type	EDC
Cooling system	WATER
Hydraulic steering pump	
Cold starting type	THERMOSTARTER
Type of turbocharging	WITH WASTE GATE VALVE
Emissions according regulations	EURO3

Engine F3B E0681G*B (EU 0047-D)

Central electronic system controls following functions:

. Engine preheating, Turbocharger with "waste gate", injection control, engine brake, speed control, cruise control, data exchange with A (anti-slip) control, data exchange with EBS and EuroTronic (with display on instrument panel)

Fuelling (ABU 0008-D)

No. of tanks	1
Material	STEEL
Total tank capacity l.	300
Fuel pump	
Prefilter	
Filter	
Fuel separator	

Air intake (AC 0001-D)

Filter type	DRY
Snorkel position	BEHIND THE CAB ON THE LEFT
Exhaust pipe position	LEFT SIDE FOR LHD-RIGHT SIDE FOR RHD
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-151 OD (GU 0043-D)

Type	SYNCRONIZED
Installation	ENGINE FLANGED
Control	MANUAL DOUBLE H
No. of gears (....+.....reverse)	16+2
Casing material	ALUMINIUM
Gearbox spacing	16.42
Possible P.T.O. installation	

Gear ratios

1st	13.80
2nd	11.54
3rd	9.49
4th	7.93
5th	6.53
6th	5.46
7th	4.57
8th	3.82
9th	3.02
10th	2.53
11th	2.08
12th	1.74
13th	1.43
14th	1.20
15th	1.00
16th	0.84
Rev. 1st	12.92
Rev. 2nd	10.80

Gearbox ZF 12AS-2301OD (GU 0051-D)

Type	AUTOMATED
Installation	ENGINE FLANGED
Control	ELECTR.-PNEUM.
No. of gears (.....reverse)	12+2
Casing material	ALUMINIUM
Gearbox spacing	15.8

Possible P.T.O. installation

Gear ratios

1st	12.33
2nd	9.59
3rd	7.44
4th	5.78
5th	4.57
6th	3.55
7th	2.70
8th	2.10
9th	1.63
10th	1.27
11th	1.0
12th	0.78
Rev. 1st	11.41
Rev. 2nd	8.88

Front steering axle (LU 0018-D)

Identification	5886/D
Type	RIGID
Beam section	"I"

1st rear drive axle (MU 0048-D)

Identification	452191/2D
Type	RIGID
Axle	TANDEM
Wheel arrangement	TWIN
Axle box material	NODULAR CAST IRON
Weight kg	840
Oil capacity kg	27
Load capacity Kg	10500
Reduction type	HUB REDUCTION
Beam section	"I"

Rear drive axle (MU 0048R-D)

Identification	452191/2D
Type	RIGID
Axle	TANDEM
Wheel arrangement	TWIN
Axle box material	NODULAR CAST IRON
Weight kg	714
Load capacity Kg	10500
Reduction type	HUB REDUCTION

Suspensions (NU 0041-D)

Front steering axle	SINGLE RATE PARABOLIC SPRING
1st rear drive axle	CANTILEVER TYPE
Rear drive axle	IN COMMON WITH THE SECOND AXLE

Main features

Axle no.	1	2
Leaf width (mm)	90	100
Auxiliary leaf spring length (mm)		1090
Master leaf spring length (mm)	1895	1480
No. of auxiliary leaf springs		1
No. of master leaf springs	2	3

Shock absorbers (PU 0003-D)

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

Anti-roll bars (OU 0005-D)

Position	FRONT AXLE AND FIRST REAR ONE
Type	TORSION BAR

Wheels (QU 0001-D)

Wheel type	DISC
Rim dimensions	22,5" x 9.00"

Tyres (RU 0046-D)

Tyre dimensions	13 R 22.5
Load-index	156/150
Speed index	G = 90 Km/h
Rolling radius mm	543
Rolling circumference mm	3410

Axle Mounting

1	SINGLE
2	TWIN
3	TWIN

Steering (KU 0009-D)

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

Chassis (mm) (JU 0143-D)

Frame section	DOUBLE BOTTLE NECK
Front crossmember fixing	BOLTED
Middle crossmember fixing	RIVETED
Rear crossmember fixing	BOLTED

Wheelbase	<u>3200-1380</u>	<u>3500-1380</u>	<u>3820-1380</u>
Side member material	STEEL	STEEL	STEEL
Side member section	"C"	"C"	"C"
Flange thickness	7.7	7.7	7.7
Web thickness	7.7	7.7	7.7
Upper flange width	80	80	80
Lower flange width	80	80	80
Side member max. height	304.4	304.4	304.4

Chassis (mm) (JU 0143-D)

Frame width at rear	771.4	771.4	771.4
Wheelbase	<u>4200-1380</u>	<u>4500-1380</u>	<u>4800-1380</u>
Side member material	STEEL	STEEL	STEEL
Side member section	"C"	"C"	"C"
Flange thickness	7.7	7.7	7.7
Web thickness	7.7	7.7	7.7
Upper flange width	80	80	80
Lower flange width	80	80	80
Side member max. height	304.4	304.4	304.4
Frame width at rear	771.4	771.4	771.4
Wheelbase	<u>5100-1380</u>		
Side member material	STEEL		
Side member section	"C"		
Flange thickness	7.7		
Web thickness	7.7		
Upper flange width	80		
Lower flange width	80		
Side member max. height	304.4		
Frame width at rear	771.4		

Brakes (SU 0138-D)

Air dryer

Air dryer

Antiskid system ABS+EBL (REAR)

Auxiliary brake / Engine brake DECOMPRESSION ENGINE BRAKE

Emergency brake COMBINED WITH SPRING OPERATED PARKING BRAKE

Parking brake MECHANICAL WITH SPRING CYLINDER

Service brake AIR

Parking brake axles REAR AXLE(S)

Total tank capacity l. 100

Air compressor displacement cm³ 460

Air compressor TWO CYLINDERS

Air tank material STEEL

Brake standards EEC

No. of circuits 2

Number of air tanks 5

Axle no.	Axle 1	Axle 2	Axle 3
Brake type	DISC	DRUM (Duo-Duplex)	DRUM (Duo-Duplex)
No. of cylinders	2	4	4
Brake cylinder diameter (sqin)	24	16	16
Disk diameter (mm)	432		
Drum diameter (mm)		410	410
Friction area cm ²	784	3220	3220
Linings width (mm)		200	200

Electrics (VU 0031-D)

Voltage V 24

Alternator power V/A 28/90

No. of batteries 2

Battery voltage V 12

Battery capacity Ah 170

Starter motor power kW 5

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

Lighting (WU 0002-D)

No. of headlights 2

Type of lamps HALOGEN

Front parking lights

Tail lights

Front side marker lights

Backup lights

Hazard lights

Number plate lights

Rear fog lights

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 AD (YU 0024AD-)

Cab type FORWARD CONTROL

Version SHORT CAB

Material STEEL PLATE

Steps no. 3

Tilting device HYDRAULIC

Tilt angle 60°

Wind-up-window type (front) LEFT ELECTRICAL

Roof material STEEL, INTERNALLY COVERED WITH FABRIC, WASHABLE

Windscreen type STRENGTHENED - LAMINATED

Windscreen ONE PIECE - CURVED

Windscreen type 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

No. of places 2

No. of seats 2

Driver seat type AIR

Driver seat adjustment IN HEIGHT, LENGTH AND BACK INCLINATION

Fan speed no. 4

Cab AD (YU 0024AD-)

Heating control MANUAL

CB wiring

Radio wiring

Remarks:

Athermic windows.

Doors with fabric and plastic covering, storage compartments, bottle-holder, defroster system for door windows, arm rest; Corrosion protection, underseal and cavity sealing with wax.

Driver's seat:

Head rest, safety belts, fabric covering.

Passenger's seat:

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

Roof panel:

Prearrangement for revolving roof lamp.

Floor:

Removable mats.

Interior equipment:

Adjustable steering column (pneumatic control), storage compartments, parcel shelves upon overheads console, parcel shelves on floor level, ceiling lamps, 2 spotlamps (steps lighting), sun visor.

Interior equipment - prearrangement for:

Tachograph, loud-speaker, aerial, additional air heater.

Central console:

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

Exterior equipment:

Front bumper with steps, mudguard, front grille, front towing hook (to be screwed), lateral spoilers as splash protection, mudflaps, external engine starter (when cab is tilted) including safety device, rear cab lighting (tractors only).

In cab equipment (TU 0018-D)

In cab equipment (TU 0018-D)

Indicator lamps, on cluster:

Side lights - Additional headlamps - Low beam headlight - High beam headlight - General warning light (STOP) - General alarm - Fog lights - Rear fog light - Mirrors heating - Rotating roof lights - Longitudinal differential lock - Front transversal differential lock - Rear transversal differential lock - Direction indicator (left) - Retarder - Engine brake - Brakes failure - Hazard lights - First PTO - Second PTO - Parking brake - Cluster failure - Direction indicator (right) - Tachograph failure - Fuel level gauge - Coolant temperature.

Indicator lamps, on display:

Windscreen defroster - Loading deck light (tractors only) - ASR active - ABS failure - ASR failure - Third PTO - Unlatched cab - Tilted platform - Vehicle chassis not in ride position (air suspension) - Safety belts - Immobilizer - Opened doors - 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 - air pressure for auxiliaries - Low hydraulic pressure third axle (steered) - External lights failure - EBS failure - ECAS failure - Eurotronic I failure - Airbag failure - Economy/power - Gear indicator - Battery voltage - Speed limiter (programmable) - Cruise control active - Trailer without ABS/EBS - Information about radio - Preheating - Low gear range - Engine oil level - Engine oil temperature - Engine coolant level - Windscreen washer reservoir level - Air filter clogged - Fuel filter clogged - Engine oil filter clogged - Water in fuel prefilter - Brake wear (front) - Brake pad wear (rear) - Lamps failure - Power steering fluid level (I) - Power steering fluid level (II) - EDC failure - EBS/ABS failure - EBS/ABS failure (Trailer) - Independent water heater failure - Air heater failure - Air conditioning system failure - Parking brake failure (low pressure) - Fuel reserve - Tachograph failure.

Controls on instrument panel:

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

Controls on central panel :

Engine brake - Roof hatch (AT cabs only) - Int. roof light - Longitudinal differential lock (only all wheels drive) - Rear transversal differential lock (only all wheels drive).

Controls on steering wheel :

Lower central area for horn

Left side: UP / DOWN

+ / -

Right side: MENU / OK

PAGE SCROLL

ESCAPE

Instruments:

Tachometer with trip mileage counter - Rpm counter with coloured sectors - Fuel level with reserve indicator and warning light - Water temperature with warning light - Display IVECO Multiplex System (Mux) / monochromatic display - Tachograph 2 drivers.

Multifunction stalks :

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

Control board on lateral panel (AT only) with:

Light switches - alarm clock - roof hatch control - windows controls - central lock - independent heating - radio controls.

Sockets:

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

PTO / Bodybuilder interface to engine ECU

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

Tools kit.

Miscellaneous (XU 0047-D)

Jack

Front towing hitch

Rear crossmember for trailer coupling D = 130 kN

Drawings (DUAD0649-D)

Wheelbase	<u>3200-1380</u>	<u>3500-1380</u>	<u>3820-1380</u>
Left hand drive vehicle drawing	41840190	41840191	41840192
Right hand drive vehicle drawing	41840190	41840191	41840192
Day cab frame drawing	41803801	41803802	41803803
Wheelbase	<u>4200-1380</u>	<u>4500-1380</u>	<u>4800-1380</u>
Left hand drive vehicle drawing	41840193	41840194	41840195
Right hand drive vehicle drawing	41840193		41840195
Day cab frame drawing	41803804	41803805	41803806
Wheelbase	<u>5100-1380</u>		
Left hand drive vehicle drawing	41840196		
Day cab frame drawing	41300162		

Gearbox ZF 12AS-2301OD
Tyres 12 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GTW				
			23.1	23.5	24	26		40	44	50		
3.792	1 - 12.33	8.1	80,0	78,0	75,0	67,0		38,0	34,0	29,0		
	12 - 0.78	127.3	2,9	2,8	2,8	2,5		1,4	1,2	1,0		
4.227	1 - 12.33	7.2	98,0	95,0	91,0	79,0		43,0	39,0	33,0		
	12 - 0.78	114.2	3,4	3,4	3,3	3,0		1,7	1,5	1,2		
4.666	1 - 12.33	6.5	100,0	100,0	100,0	94,0		49,0	44,0	37,0		
	12 - 0.78	103.5	4,0	3,9	3,8	3,4		2,0	1,7	1,4		
5.008	1 - 12.33	6.1	100,0	100,0	100,0	100,0		54,0	48,0	41,0		
	12 - 0.78	96.4	4,4	4,3	4,2	3,8		2,2	1,9	1,6		
5.558	1 - 12.33	5.5	100,0	100,0	100,0	100,0		62,0	55,0	46,0		
	12 - 0.78	86.9	5,0	4,9	4,8	4,4		2,6	2,3	1,9		
6.096	1 - 12.33	5	100,0	100,0	100,0	100,0		71,0	62,0	52,0		
	12 - 0.78	79.2	5,6	5,5	5,4	4,9		2,9	2,6	2,2		

Gearbox ZF 12AS-2301OD
Tyres 13 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GTW				
			23.1	23.5	24	26		40	44	50		
3.792	1 - 12.33	8.3	76,0	74,0	72,0	64,0		37,0	33,0	28,0		
	12 - 0.78	131.4	2,8	2,7	2,6	2,4		1,3	1,1	0,9		
4.227	1 - 12.33	7.5	92,0	89,0	86,0	75,0		42,0	37,0	32,0		
	12 - 0.78	117.9	3,3	3,2	3,1	2,8		1,6	1,4	1,1		
4.666	1 - 12.33	6.8	100,0	100,0	100,0	89,0		47,0	42,0	36,0		
	12 - 0.78	106.8	3,8	3,7	3,6	3,3		1,9	1,7	1,4		
5.008	1 - 12.33	6.3	100,0	100,0	100,0	100,0		52,0	46,0	39,0		
	12 - 0.78	99.5	4,2	4,1	4,0	3,6		2,1	1,9	1,6		
5.558	1 - 12.33	5.7	100,0	100,0	100,0	100,0		59,0	52,0	44,0		
	12 - 0.78	89.7	4,8	4,7	4,6	4,2		2,5	2,2	1,8		
6.096	1 - 12.33	5.2	100,0	100,0	100,0	100,0		68,0	59,0	50,0		
	12 - 0.78	81.8	5,4	5,3	5,2	4,7		2,8	2,5	2,1		

Gearbox ZF 12AS-2301OD

Tyres 315/80 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GTW				
			23.1	23.5	24	26		40	44	50		
3.792	1 - 12.33	8	81,0	79,0	76,0	67,0		38,0	34,0	30,0		
	12 - 0.78	126.3	2,9	2,9	2,8	2,5		1,4	1,2	1,0		
4.227	1 - 12.33	7.2	100,0	96,0	92,0	80,0		44,0	39,0	34,0		
	12 - 0.78	113.3	3,5	3,4	3,3	3,0		1,7	1,5	1,2		
4.666	1 - 12.33	6.5	100,0	100,0	100,0	96,0		50,0	44,0	38,0		
	12 - 0.78	102.7	4,0	3,9	3,8	3,5		2,0	1,8	1,5		
5.008	1 - 12.33	6.1	100,0	100,0	100,0	100,0		54,0	48,0	41,0		
	12 - 0.78	95.7	4,4	4,3	4,2	3,8		2,2	2,0	1,6		
5.558	1 - 12.33	5.5	100,0	100,0	100,0	100,0		63,0	55,0	47,0		
	12 - 0.78	86.2	5,0	4,9	4,8	4,4		2,6	2,3	1,9		
6.096	1 - 12.33	5	100,0	100,0	100,0	100,0		72,0	63,0	53,0		
	12 - 0.78	78.6	5,6	5,5	5,4	4,9		3,0	2,6	2,2		

Gearbox ZF 16S-151 OD

Tyres 12 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GTW				
			23.1	23.5	24	26		40	44	50		
3.792	1 - 13.80	7.2	99,0	95,0	92,0	79,0		44,0	39,0	33,0		
	16 - 0.84	118.2	3,2	3,1	3,0	2,7		1,5	1,3	1,0		
4.227	1 - 13.80	6.5	100,0	100,0	100,0	97,0		50,0	44,0	38,0		
	16 - 0.84	106.1	3,7	3,7	3,6	3,2		1,8	1,6	1,3		
4.666	1 - 13.80	5.8	100,0	100,0	100,0	100,0		57,0	50,0	43,0		
	16 - 0.84	96.1	4,3	4,2	4,1	3,7		2,2	1,9	1,6		
5.008	1 - 13.80	5.4	100,0	100,0	100,0	100,0		63,0	55,0	47,0		
	16 - 0.84	89.5	4,7	4,6	4,5	4,1		2,4	2,1	1,8		
5.558	1 - 13.80	4.9	100,0	100,0	100,0	100,0		73,0	64,0	53,0		
	16 - 0.84	80.7	5,4	5,3	5,2	4,7		2,8	2,5	2,1		
6.096	1 - 13.80	4.5	100,0	100,0	100,0	100,0		86,0	73,0	61,0		
	16 - 0.84	73.5	6,0	5,9	5,8	5,3		3,2	2,8	2,4		

Gearbox ZF 16S-151 OD
Tyres 13 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GTW				
			23.1	23.5	24	26		40	44	50		
3.792	1 - 13.80	7.4	93,0	90,0	86,0	75,0		42,0	37,0	32,0		
	16 - 0.84	122	3,0	3,0	2,9	2,6		1,4	1,2	1,0		
4.227	1 - 13.80	6.7	100,0	100,0	100,0	91,0		48,0	43,0	37,0		
	16 - 0.84	109.5	3,6	3,5	3,4	3,1		1,7	1,5	1,2		
4.666	1 - 13.80	6	100,0	100,0	100,0	100,0		55,0	48,0	41,0		
	16 - 0.84	99.2	4,1	4,0	3,9	3,6		2,1	1,8	1,5		
5.008	1 - 13.80	5.6	100,0	100,0	100,0	100,0		60,0	53,0	45,0		
	16 - 0.84	92.4	4,5	4,5	4,3	4,0		2,3	2,0	1,7		
5.558	1 - 13.80	5.1	100,0	100,0	100,0	100,0		70,0	61,0	51,0		
	16 - 0.84	83.3	5,2	5,1	5,0	4,5		2,7	2,4	2,0		
6.096	1 - 13.80	4.6	100,0	100,0	100,0	100,0		81,0	70,0	58,0		
	16 - 0.84	75.9	5,8	5,7	5,6	5,1		3,0	2,7	2,3		

Gearbox ZF 16S-151 OD
Tyres 315/80 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GTW				
			23.1	23.5	24	26		40	44	50		
3.792	1 - 13.80	7.1	100,0	97,0	93,0	81,0		44,0	39,0	34,0		
	16 - 0.84	117.3	3,2	3,1	3,0	2,8		1,5	1,3	1,1		
4.227	1 - 13.80	6.4	100,0	100,0	100,0	98,0		50,0	45,0	38,0		
	16 - 0.84	105.3	3,8	3,7	3,6	3,3		1,9	1,6	1,3		
4.666	1 - 13.80	5.8	100,0	100,0	100,0	100,0		58,0	51,0	43,0		
	16 - 0.84	95.3	4,3	4,3	4,1	3,8		2,2	1,9	1,6		
5.008	1 - 13.80	5.4	100,0	100,0	100,0	100,0		64,0	56,0	47,0		
	16 - 0.84	88.8	4,8	4,7	4,6	4,2		2,4	2,1	1,8		
5.558	1 - 13.80	4.9	100,0	100,0	100,0	100,0		74,0	64,0	54,0		
	16 - 0.84	80	5,4	5,3	5,2	4,8		2,8	2,5	2,1		
6.096	1 - 13.80	4.4	100,0	100,0	100,0	100,0		87,0	74,0	61,0		
	16 - 0.84	73	6,1	6,0	5,8	5,3		3,2	2,8	2,4		