

STRALIS

ACTIVE TIME/DAY

TECHNICAL DESCRIPTION

AT260S40Y/P

(CURSOR 10 EURO 3)



IVECO



Commercial & Technical Training

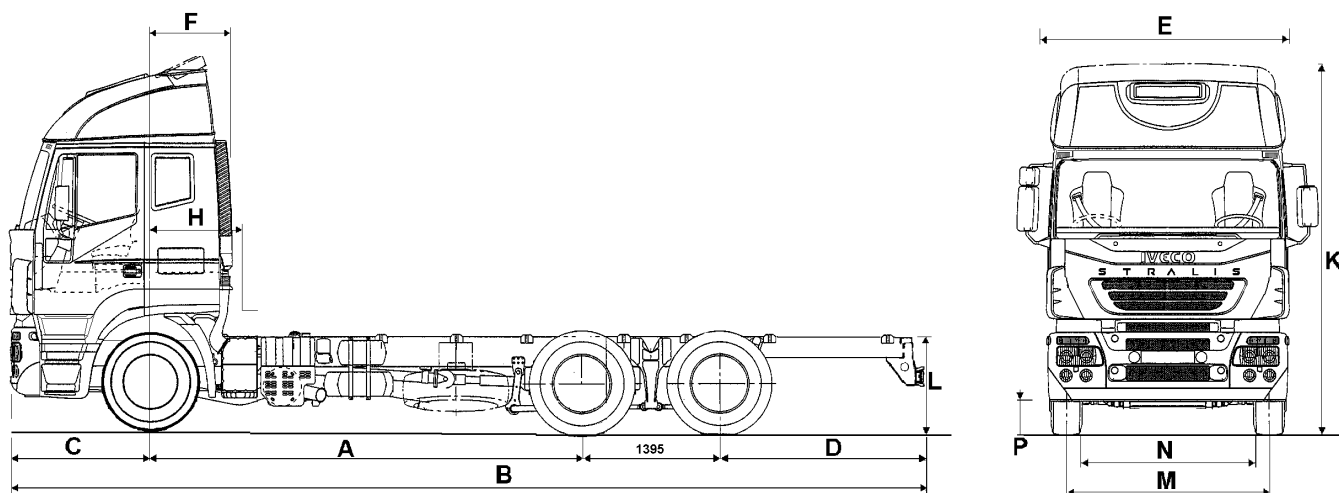
The information in this literature is intended to be of a general nature only. Iveco reserve the right to modify or change specification at any time.

Gearbox ZF 12AS-2301DD

Wheelbase	Cab	Drive	Vcb
4200-1395	AT	LEFT HAND DRIVE	NMLB14E1
	AT	RIGHT HAND DRIVE	NMLB14EA
4500-1395	AT	LEFT HAND DRIVE	NMLB15E1
	AT	RIGHT HAND DRIVE	NMLB15EA
4800-1395	AT	LEFT HAND DRIVE	NMLB16E1
	AT	RIGHT HAND DRIVE	NMLB16EA
5100-1395	AT	LEFT HAND DRIVE	NMLB17E1
	AT	RIGHT HAND DRIVE	NMLB17EA
5700-1395	AT	LEFT HAND DRIVE	NMLB18E1
	AT	RIGHT HAND DRIVE	NMLB18EA

Gearbox ZF 16S-181 DD

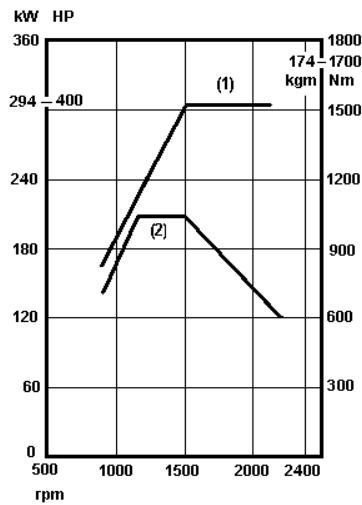
Wheelbase	Cab	Drive	Vcb
4200-1395	AT	LEFT HAND DRIVE	NMLB14A1
	AT	RIGHT HAND DRIVE	NMLB14AA
4500-1395	AT	LEFT HAND DRIVE	NMLB15A1
	AT	RIGHT HAND DRIVE	NMLB15AA
4800-1395	AT	LEFT HAND DRIVE	NMLB16A1
	AT	RIGHT HAND DRIVE	NMLB16AA
5100-1395	AT	LEFT HAND DRIVE	NMLB17A1
	AT	RIGHT HAND DRIVE	NMLB17AA
5700-1395	AT	LEFT HAND DRIVE	NMLB18A1
	AT	RIGHT HAND DRIVE	NMLB18AA


DIMENSIONS (mm) (AU 0886-D AT)

A Wheelbase	4200-1395	4500-1395	4800-1395	5100-1395	5700-1395
B Total length	9233	9488	9803	9848	11063
C Front overhang	1410	1410	1410	1410	1410
D Rear overhang	2118	2073	2073	1803	2433
E Max width	2550	2550	2550	2550	2550
F Front axle to back of cab	720	720	720	720	720
H Front of body to front axle distance	900	900	900	900	900
K Overall height to top of cab, unladen	3000	3000	3000	3000	3000
L Height of frame at frame end, unladen	1006	1006	1007	1007	1007
M Front track	2040	2040	2040	2040	2040
N Rear track	1811	1811	1811	1811	1811
P Minimum ground clearance (Axle2)	227	227	227	227	227
Overall width (rear tyres)	2476	2476	2476	2476	2476
Approach angle	14°	14°	14°	14°	14°
Departure angle	12°	12°	12°	14°	8°
Ramp angle	16°	15°	15°	15°	15°
Back of cab to end of frame	6974	7199	7514	7559	8774
Steering radius wall to wall	8915	9240	9640	10015	10815
Steering radius kerb to kerb	8250	8575	8975	9350	10150
Frame height at front axle, unladen	1020	1020	1020	1020	1020
Frame height at rear axle, unladen	1012	1012	1012	1012	1012

Weights (kg) (BU 0835-D AT)					
Wheelbase	<u>4200-1395</u>	<u>4500-1395</u>	<u>4800-1395</u>	<u>5100-1395</u>	<u>5700-1395</u>
GVW EEC	26000	26000	26000	26000	26000
GVW - Design	26000	26000	26000	26000	26000
GCW EEC	40000	40000	40000	40000	40000
GCW - Design	50000	50000	50000	50000	50000
Plated weight on axle 1 EEC	7500	7500	7500	7500	7500
Plated weight on axle 1 - Design	7500	7500	7500	7500	7500
Plated weight on axle 2 EEC	11500	11500	11500	11500	11500
Plated weight on axle 2 - Design	11500	11500	11500	11500	11500
Plated weight on axle 3 EEC	7500	7500	7500	7500	7500
Plated weight on axle 3 - Design	7500	7500	7500	7500	7500
Body payload EEC	18420	18370	18350	18340	18150
Body payload - Design	18420	18370	18350	18340	18150
Vehicle kerbweight	7580	7630	7650	7660	7850
Vehicle kerbweight 1	4420	4430	4460	4475	4520
Vehicle kerbweight 2	2107	2134	2127	2124	2220
Vehicle kerbweight 3	1053	1066	1063	1061	1110

Engine F3A E0681H*B (EU 0052-D)



Name	CURSOR 10 - F3A
Position	FRONT
Disposition	VERTICAL
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	10308
Bore / Stroke mm	125 / 140
Max power (1)	294 kW 400 HP 2100 rpm
Specific fuel consumption-max power	213 g/kWh
Max torque (2)	194 kgm 1900 Nm 1050 ÷ 1480 rpm
Specific fuel consumption-max torque	194 g/kWh
Power loss	0% up to 1500 m sea level
Dry weight kg	932
Oil capacity kg	28
Crankshaft supported by	7 Bearings
Injection pump type	UNIT-INJECTOR
Injection pump governor type	EDC
Cooling system	WATER
Hydraulic steering pump	
Cold starting type	THERMOSTARTER
Type of turbocharging	VGT

Engine F3A E0681H*B (EU 0052-D)

Emissions according regulations EURO3

Central electronic system controls following functions:

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

. Option 01061: engine F3AE0681H*D with 4 ecopoints (Specific fuel consumption-max power: 213 g/kWh, specific fuel consumption-max torque 197 g/kWh)

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
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-181 DD (GU 0032-D)

Type	SYNCRONIZED
Installation	ENGINE FLANGED
Control	MANUAL DOUBLE H
No. of gears (....+.....reverse)	16+2
Casing material	ALUMINIUM
Gearbox spacing	16.41
Possible P.T.O. installation	

Gear ratios

1st	16.41
2nd	13.80
3rd	11.28
4th	9.49
5th	7.76
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 12AS-2301DD (GU 0042-D)

Type	AUTOMATED
Installation	ENGINE FLANGED
Control	ELECTR.-PNEUM.
No. of gears (....+.....reverse)	12+2
Casing material	ALUMINIUM
Gearbox spacing	15.86
Possible P.T.O. installation	

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°
Axle material	STEEL
Axle construction	FORGED
Beam section	"I"

Rear drive axle (MU 0069-D)

Identification	MS13-175/D
Axle	SINGLE
Wheel arrangement	TWIN
Reduction type	SIMPLE

Rear axle (MU 5045-D)

Identification	55080
Type	BANJO
Wheel arrangement	SINGLE
Axle position	REAR TO DRIVING AXLE
Liftable	

Suspensions (NU 0318-D)

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

Main features

Axle no.	1	2	3
Bellow diameter (mm)		190	225
Leaf width mm	90		
Master leaf spring length (mm)	1895		
No. of master leaf springs	2		
No. of bellows		4	2
Number of levelling valves		2	

Number of air tanks: 2

Air tank capacity: 30 litres

Shock absorbers (PU 0004-D)

Shock absorbers no. (front)	2
Shock absorbers no. (rear)	4
Shock absorbers type	HYDRAULIC TELESCOPIC

Anti-roll bars (OU 0004-D)

Position	FRONT AXLE, REAR AXLE AND REAR LIFTABLE AXLE
Type	TORSION BAR

Wheels (QU 0001-D)

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

Tyres (RU 0040-D)

Tyre dimensions	315/80 R 22.5
Load-index	156/150
Speed index	L = 120 Km/h
Rolling radius mm	522

Axle Mounting

1	SINGLE
2	TWIN
3	SINGLE

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 0137-D)

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

	<u>4200-1395</u>	<u>4500-1395</u>	<u>4800-1395</u>
Wheelbase			
Side member material	STEEL	STEEL	STEEL
Side member section	"C"	"C"	"C"
Flange thickness	6.7	6.7	6.7
Web thickness	6.7	6.7	6.7
Upper flange width	80	80	80
Lower flange width	80	80	80
Side member max. height	302.4	302.4	302.4

Chassis (mm) (JU 0137-D)			
Frame width at rear	769.4	769.4	769.4
Wheelbase	5100-1395	5700-1395	
Side member material	STEEL	STEEL	
Side member section	"C"	"C"	
Flange thickness	6.7	7.7	
Web thickness	6.7	7.7	
Upper flange width	80	80	
Lower flange width	80	80	
Side member max. height	302.4	304.4	
Frame width at rear	769.4	771.4	

Brakes (SU 0180-D)

Rear braking control	
Air dryer	
Auxiliary brake	IN COMBINATION WITH THE TURBO AND LIFTING THE OUTLETVALVE
Emergency brake	COMBINED WITH PARKING BRAKE
Parking brake	MECHANICAL WITH SPRING CYLINDER
Service brake	PNEUMATIC WITH ELECTRONIC CONTROL (EBS)
Parking brake axles	REAR DRIVE AXLE(S)
Total tank capacity l.	90
Air compressor displacement cm ³	630
Air compressor	TWO CYLINDER
Brake standards	EEC
No. of circuits	2
Number of air tanks	4

Axle no.	Axle 1	Axle 2	Axle 3
Brake type	DISC	DISC	DISC
No. of cylinders	2	2	2
Brake cylinder diameter (sqin)	24	20	14
Disk diameter (mm)	432	432	432
Friction area cm ²	784	784	784

(*) DRUM BRAKES : OPT. 02313

Electrics (VU 0028-D)

Voltage V	24
Alternator power V/A	28/90
No. of batteries	2
Battery voltage V	12
Battery capacity Ah	143
Starter motor power kW	5.5

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

Lighting (WU 0011-D)

No. of headlights	2
Type of lamps	HALOGEN
Front parking lights	
Tail lights	
Front side marker lights	
Backup lights	

Lighting (WU 0011-D)

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 AT (YU 0023AT-)

Cab type	FORWARD CONTROL
Version	SLEEPER CAB
Material	STEEL PLATE
Steps no.	3
Tilting device	HYDRAULIC
Tilt angle	60°
Roof hatch control system	ELECTRICAL
Central lock	
Wind-up-window type (front)	FULL ELECTRICAL
Front fairing	
Side spoiler	
Roof spoiler	
Roof material	STEEL, INTERNALLY COVERED WITH FABRIC
Roof light	
Windscreen type	STRENGTHENED - LAMINATED
Windscreen	ONE PIECE WOUND UP
Windscreen post type	EEC/USA
No. of windscreen wipers	2
No. of windscreen wiper speeds	2
Front suspension points	2 HELICAL SPRINGS AND SHOCK ABSORBERS
Rear suspension points	2 HELICAL SPRINGS AND SHOCK ABSORBERS
Rear view mirrors no.	4
Mirror control	MANUAL
Kerbside approach mirror	
No. of places	1
No. of seats	1
Driver seat type	AIR
Driver seat adjustment	IN HEIGHT LENGTH AND BACK INCLINATION

Cab AT (YU 0023AT-)

Fan speed no.	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, 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 (AT low roof only):

Fixed, 2 way adjustable, head rest, safety 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 upon overheads console, shelves on floor level, ceiling lamps, 2 spotlamps.

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 bleeds, 2 ash-trays, lighter / 24 V, heating control / manually adjusted air conditioning system, independent heater, compressed air socket for blowing away 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 (to be screwed), lateral spoilers as splash protection, mudflaps, external engine starter (when cab is tilted) including safety device.

In cab equipment (TU 0017-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 - Vehicle chassis not in ride position (air suspension) - Lifted third axle (6x2 only) - Direction indicator (left) - Auxiliary during starting - Mirror heating - Rotating roof lights - Longitudinal differential lock - Front transversal differential lock - Rear transversal differential lock - Direction indicator (right) - Retarder - Engine brake - Brake failure - Hazard lights - First PTO - Second PTO - Parking brake - Cluster failure - Immobilizer - Direction indicator (right) - Tachograph failure - Fuel level gauge - Coolant temperature.

Indicator lamps, on display:

Windscreen defroster - Loading deck light (tractors only) - Automatic chains - ASR active - ABS failure - ASR failure - Third PTO - Unlatched cab - Tilted platform - Lifted third axle (semitrailer) - Safety belts - 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 - Low air pressure for auxiliaries - Low hydraulic pressure third axle (steered) - External lights failure - EBS failure - ECAS failure - WTEC III Allison failure - Eurotronic II 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 pad 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) - ECAS failure - WTEC III Allison failure (oil level) - 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:

Lifting axle (6x2/P with ECAS) - Auxiliary during starting - Int. roof light - Battery separator / Emergency stop switch for A.D.R.

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) - 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:

12 V socket - light switches - alarm clock - sunroof - window 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 electric power in front of passenger's seat as a compartment.

Tools kit.

Miscellaneous (XU 0070-D)

Jack

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

Rear crossmember for trailer coupling D = 100 kN

Drawings (DU 0600-D)

Wheelbase	<u>4200-1395</u>	<u>4500-1395</u>	<u>4800-1395</u>
Left hand drive vehicle drawing	41805924	41805925	41805926
Right hand drive vehicle drawing	41805924	41805925	41805926
Sleeper cab frame drawing	41804821	41804824	41804823
Day cab frame drawing	41804821	41804824	41804823
Wheelbase	<u>5100-1395</u>	<u>5700-1395</u>	
Left hand drive vehicle drawing	41805927	41805928	
Right hand drive vehicle drawing	41805927	41805928	
Sleeper cab frame drawing	41804822	41804830	

Gearbox ZF 12AS-2301DD
Tyres 12.00 R 20 20PR

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GCW				
			22	22.5	24	25	26	40	42	43.2	48	50
2.846	1 - 15.86	9.6	90,0	87,0	77,0	73,0	68,0	39,0	37,0	35,0	31,0	30,0
	12 - 1	151.5	3,0	2,9	2,7	2,5	2,4	1,3	1,2	1,2	1,0	0,9
3.083	1 - 15.86	8.8	100,0	100,0	89,0	83,0	77,0	43,0	40,0	39,0	34,0	33,0
	12 - 1	139.9	3,4	3,3	3,1	2,9	2,8	1,6	1,5	1,4	1,2	1,1
3.364	1 - 15.86	8.1	100,0	100,0	100,0	97,0	90,0	48,0	45,0	43,0	38,0	36,0
	12 - 1	128.2	3,9	3,8	3,5	3,4	3,2	1,8	1,7	1,7	1,4	1,3
3.700	1 - 15.86	7.3	100,0	100,0	100,0	100,0	100,0	54,0	51,0	49,0	43,0	41,0
	12 - 1	116.6	4,5	4,4	4,1	3,9	3,7	2,2	2,0	1,9	1,7	1,6

Gearbox ZF 12AS-2301DD
Tyres 13 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GCW				
			22	22.5	24	25	26	40	42	43.2	48	50
2.846	1 - 15.86	9.5	91,0	87,0	78,0	73,0	69,0	39,0	37,0	36,0	32,0	30,0
	12 - 1	151	3,0	2,9	2,7	2,6	2,4	1,3	1,2	1,2	1,0	0,9
3.083	1 - 15.86	8.8	100,0	100,0	90,0	83,0	78,0	43,0	41,0	39,0	35,0	33,0
	12 - 1	139.4	3,4	3,3	3,1	2,9	2,8	1,6	1,5	1,4	1,2	1,1
3.364	1 - 15.86	8.1	100,0	100,0	100,0	98,0	91,0	48,0	45,0	44,0	38,0	37,0
	12 - 1	127.7	3,9	3,8	3,6	3,4	3,2	1,8	1,7	1,7	1,4	1,3
3.700	1 - 15.86	7.3	100,0	100,0	100,0	100,0	100,0	54,0	51,0	49,0	43,0	41,0
	12 - 1	116.1	4,5	4,4	4,1	3,9	3,7	2,2	2,0	2,0	1,7	1,6

Gearbox ZF 12AS-2301DD
Tyres 295/60 R22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GCW				
			22	22.5	24	25	26	40	42	43.2	48	50
2.846	1 - 15.86	7.9	100,0	100,0	100,0	100,0	94,0	49,0	46,0	45,0	39,0	37,0
	12 - 1	125.1	3,9	3,8	3,5	3,3	3,2	1,8	1,7	1,6	1,4	1,3
3.083	1 - 15.86	7.3	100,0	100,0	100,0	100,0	100,0	55,0	51,0	49,0	43,0	41,0
	12 - 1	115.5	4,4	4,3	4,0	3,8	3,6	2,1	2,0	1,9	1,6	1,5
3.364	1 - 15.86	6.7	100,0	100,0	100,0	100,0	100,0	62,0	58,0	55,0	48,0	46,0
	12 - 1	105.8	5,0	4,9	4,5	4,3	4,1	2,4	2,3	2,2	1,9	1,8
3.700	1 - 15.86	6.1	100,0	100,0	100,0	100,0	100,0	71,0	66,0	63,0	55,0	52,0
	12 - 1	96.2	5,7	5,5	5,2	4,9	4,7	2,8	2,6	2,5	2,2	2,1

Gearbox ZF 12AS-2301DD
Tyres 295/80 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GCW				
			22	22.5	24	25	26	40	42	43.2	48	50
2.846	1 - 15.86	8.9	100,0	98,0	87,0	81,0	76,0	42,0	40,0	38,0	34,0	32,0
	12 - 1	141.8	3,3	3,2	2,9	2,8	2,7	1,5	1,4	1,3	1,1	1,0
3.083	1 - 15.86	8.3	100,0	100,0	100,0	93,0	87,0	46,0	44,0	42,0	37,0	36,0
	12 - 1	130.9	3,7	3,6	3,4	3,2	3,1	1,7	1,6	1,6	1,3	1,2
3.364	1 - 15.86	7.6	100,0	100,0	100,0	100,0	100,0	52,0	49,0	47,0	41,0	39,0
	12 - 1	120	4,3	4,2	3,9	3,7	3,5	2,0	1,9	1,8	1,6	1,5
3.700	1 - 15.86	6.9	100,0	100,0	100,0	100,0	100,0	59,0	55,0	53,0	46,0	44,0
	12 - 1	109.1	4,9	4,8	4,4	4,2	4,0	2,4	2,2	2,1	1,9	1,8

Gearbox ZF 12AS-2301DD
Tyres 305/70 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GCW				
			22	22.5	24	25	26	40	42	43.2	48	50
2.846	1 - 15.86	8.6	100,0	100,0	93,0	86,0	80,0	44,0	41,0	40,0	35,0	34,0
	12 - 1	136.8	3,4	3,3	3,1	2,9	2,8	1,6	1,5	1,4	1,2	1,1
3.083	1 - 15.86	8	100,0	100,0	100,0	100,0	93,0	49,0	46,0	44,0	39,0	37,0
	12 - 1	126.3	3,9	3,8	3,5	3,4	3,2	1,8	1,7	1,6	1,4	1,3
3.364	1 - 15.86	7.3	100,0	100,0	100,0	100,0	100,0	54,0	51,0	49,0	43,0	41,0
	12 - 1	115.7	4,5	4,4	4,0	3,9	3,7	2,1	2,0	1,9	1,7	1,6
3.700	1 - 15.86	6.6	100,0	100,0	100,0	100,0	100,0	62,0	58,0	56,0	49,0	46,0
	12 - 1	105.2	5,1	5,0	4,6	4,4	4,2	2,5	2,3	2,2	2,0	1,8

Gearbox ZF 12AS-2301DD
Tyres 315/60 R22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GCW				
			22	22.5	24	25	26	40	42	43.2	48	50
2.846	1 - 15.86	8.1	100,0	100,0	100,0	97,0	90,0	48,0	45,0	43,0	38,0	36,0
	12 - 1	128.2	3,8	3,7	3,4	3,2	3,1	1,7	1,6	1,6	1,3	1,3
3.083	1 - 15.86	7.5	100,0	100,0	100,0	100,0	100,0	53,0	50,0	48,0	42,0	40,0
	12 - 1	118.3	4,3	4,2	3,9	3,7	3,5	2,0	1,9	1,8	1,6	1,5
3.364	1 - 15.86	6.8	100,0	100,0	100,0	100,0	100,0	60,0	56,0	54,0	47,0	44,0
	12 - 1	108.4	4,9	4,7	4,4	4,2	4,0	2,3	2,2	2,1	1,8	1,7
3.700	1 - 15.86	6.2	100,0	100,0	100,0	100,0	100,0	68,0	64,0	61,0	53,0	50,0
	12 - 1	98.6	5,5	5,4	5,0	4,8	4,6	2,7	2,6	2,5	2,1	2,0

Gearbox ZF 12AS-2301DD
Tyres 315/70 R 22.5

Rear axle ratio	Gearbox ratio	Max. speed Km/h	Max. gradient %									
			GVW					GCW				
			22	22.5	24	25	26	40	42	43.2	48	50
2.846	1 - 15.86	8.6	100,0	100,0	92,0	86,0	80,0	44,0	41,0	40,0	35,0	34,0
	12 - 1	137.1	3,4	3,3	3,1	2,9	2,8	1,6	1,5	1,4	1,2	1,1
3.083	1 - 15.86	8	100,0	100,0	100,0	100,0	92,0	48,0	46,0	44,0	39,0	37,0
	12 - 1	126.5	3,9	3,8	3,5	3,4	3,2	1,8	1,7	1,6	1,4	1,3
3.364	1 - 15.86	7.3	100,0	100,0	100,0	100,0	100,0	54,0	51,0	49,0	43,0	41,0
	12 - 1	116	4,5	4,3	4,0	3,8	3,7	2,1	2,0	1,9	1,7	1,6
3.700	1 - 15.86	6.6	100,0	100,0	100,0	100,0	100,0	62,0	58,0	56,0	49,0	46,0
	12 - 1	105.4	5,1	5,0	4,6	4,4	4,2	2,5	2,3	2,2	1,9	1,8

Gearbox ZF 12AS-2301DD
Tyres 315/80 R 22.5

Rear axle ratio	Gearbox ratio	Max. speed Km/h	Max. gradient %									
			GVW					GCW				
			22	22.5	24	25	26	40	42	43.2	48	50
2.846	1 - 15.86	9.2	98,0	94,0	83,0	78,0	73,0	41,0	39,0	37,0	33,0	32,0
	12 - 1	145.1	3,2	3,1	2,8	2,7	2,6	1,4	1,3	1,3	1,1	1,0
3.083	1 - 15.86	8.4	100,0	100,0	97,0	89,0	83,0	45,0	43,0	41,0	36,0	35,0
	12 - 1	134	3,6	3,5	3,3	3,1	3,0	1,7	1,6	1,5	1,3	1,2
3.364	1 - 15.86	7.7	100,0	100,0	100,0	100,0	98,0	50,0	47,0	46,0	40,0	38,0
	12 - 1	122.8	4,2	4,0	3,7	3,6	3,4	2,0	1,8	1,8	1,5	1,4
3.700	1 - 15.86	7	100,0	100,0	100,0	100,0	100,0	57,0	54,0	52,0	45,0	43,0
	12 - 1	111.6	4,8	4,6	4,3	4,1	3,9	2,3	2,1	2,1	1,8	1,7

Gearbox ZF 16S-181 DD
Tyres 12.00 R 20 20PR

Rear axle ratio	Gearbox ratio	Max. speed Km/h	Max. gradient %									
			GVW					GCW				
			22	22.5	24	25	26	40	42	43.2	48	50
2.846	1 - 16.41	9.2	96,0	92,0	82,0	77,0	72,0	40,0	38,0	37,0	33,0	31,0
	16 - 1	151.5	3,0	2,9	2,7	2,5	2,4	1,3	1,2	1,2	1,0	0,9
3.083	1 - 16.41	8.5	100,0	100,0	95,0	88,0	82,0	45,0	42,0	41,0	36,0	34,0
	16 - 1	139.9	3,4	3,3	3,1	2,9	2,8	1,6	1,5	1,4	1,2	1,1
3.364	1 - 16.41	7.8	100,0	100,0	100,0	100,0	96,0	50,0	47,0	45,0	40,0	38,0
	16 - 1	128.2	3,9	3,8	3,5	3,4	3,2	1,8	1,7	1,7	1,4	1,3
3.700	1 - 16.41	7.1	100,0	100,0	100,0	100,0	100,0	56,0	53,0	51,0	45,0	42,0
	16 - 1	116.6	4,5	4,4	4,1	3,9	3,7	2,2	2,0	1,9	1,7	1,6

Gearbox ZF 16S-181 DD
Tyres 13 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GCW				
			22	22.5	24	25	26	40	42	43.2	48	50
2.846	1 - 16.41	9.2	97,0	93,0	83,0	77,0	72,0	41,0	38,0	37,0	33,0	31,0
	16 - 1	151	3,0	2,9	2,7	2,6	2,4	1,3	1,2	1,2	1,0	0,9
3.083	1 - 16.41	8.5	100,0	100,0	96,0	88,0	83,0	45,0	42,0	41,0	36,0	34,0
	16 - 1	139.4	3,4	3,3	3,1	2,9	2,8	1,6	1,5	1,4	1,2	1,1
3.364	1 - 16.41	7.8	100,0	100,0	100,0	100,0	97,0	50,0	47,0	45,0	40,0	38,0
	16 - 1	127.7	3,9	3,8	3,6	3,4	3,2	1,8	1,7	1,7	1,4	1,3
3.700	1 - 16.41	7.1	100,0	100,0	100,0	100,0	100,0	57,0	53,0	51,0	45,0	43,0
	16 - 1	116.1	4,5	4,4	4,1	3,9	3,7	2,2	2,0	2,0	1,7	1,6

Gearbox ZF 16S-181 DD
Tyres 295/60 R22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GCW				
			22	22.5	24	25	26	40	42	43.2	48	50
2.846	1 - 16.41	7.6	100,0	100,0	100,0	100,0	100,0	51,0	48,0	47,0	41,0	39,0
	16 - 1	125.1	3,9	3,8	3,5	3,3	3,2	1,8	1,7	1,6	1,4	1,3
3.083	1 - 16.41	7	100,0	100,0	100,0	100,0	100,0	57,0	54,0	52,0	45,0	43,0
	16 - 1	115.5	4,4	4,3	4,0	3,8	3,6	2,1	2,0	1,9	1,6	1,5
3.364	1 - 16.41	6.5	100,0	100,0	100,0	100,0	100,0	65,0	60,0	58,0	50,0	48,0
	16 - 1	105.8	5,0	4,9	4,5	4,3	4,1	2,4	2,3	2,2	1,9	1,8
3.700	1 - 16.41	5.9	100,0	100,0	100,0	100,0	100,0	75,0	69,0	66,0	57,0	54,0
	16 - 1	96.2	5,7	5,5	5,2	4,9	4,7	2,8	2,6	2,5	2,2	2,1

Gearbox ZF 16S-181 DD
Tyres 295/80 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GCW				
			22	22.5	24	25	26	40	42	43.2	48	50
2.846	1 - 16.41	8.6	100,0	100,0	92,0	86,0	80,0	44,0	41,0	40,0	35,0	34,0
	16 - 1	141.8	3,3	3,2	2,9	2,8	2,7	1,5	1,4	1,3	1,1	1,0
3.083	1 - 16.41	8	100,0	100,0	100,0	100,0	92,0	49,0	46,0	44,0	39,0	37,0
	16 - 1	130.9	3,7	3,6	3,4	3,2	3,1	1,7	1,6	1,6	1,3	1,2
3.364	1 - 16.41	7.3	100,0	100,0	100,0	100,0	100,0	54,0	51,0	49,0	43,0	41,0
	16 - 1	120	4,3	4,2	3,9	3,7	3,5	2,0	1,9	1,8	1,6	1,5
3.700	1 - 16.41	6.6	100,0	100,0	100,0	100,0	100,0	62,0	58,0	56,0	49,0	46,0
	16 - 1	109.1	4,9	4,8	4,4	4,2	4,0	2,4	2,2	2,1	1,9	1,8

Gearbox ZF 16S-181 DD
Tyres 305/70 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GCW				
			22	22.5	24	25	26	40	42	43.2	48	50
2.846	1 - 16.41	8.3	100,0	100,0	99,0	92,0	85,0	46,0	43,0	42,0	37,0	35,0
	16 - 1	136.8	3,4	3,3	3,1	2,9	2,8	1,6	1,5	1,4	1,2	1,1
3.083	1 - 16.41	7.7	100,0	100,0	100,0	100,0	99,0	51,0	48,0	46,0	40,0	39,0
	16 - 1	126.3	3,9	3,8	3,5	3,4	3,2	1,8	1,7	1,6	1,4	1,3
3.364	1 - 16.41	7.1	100,0	100,0	100,0	100,0	100,0	57,0	53,0	51,0	45,0	43,0
	16 - 1	115.7	4,5	4,4	4,0	3,9	3,7	2,1	2,0	1,9	1,7	1,6
3.700	1 - 16.41	6.4	100,0	100,0	100,0	100,0	100,0	65,0	61,0	58,0	51,0	48,0
	16 - 1	105.2	5,1	5,0	4,6	4,4	4,2	2,5	2,3	2,2	2,0	1,8

Gearbox ZF 16S-181 DD
Tyres 315/60 R22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GCW				
			22	22.5	24	25	26	40	42	43.2	48	50
2.846	1 - 16.41	7.8	100,0	100,0	100,0	100,0	96,0	50,0	47,0	45,0	40,0	38,0
	16 - 1	128.2	3,8	3,7	3,4	3,2	3,1	1,7	1,6	1,6	1,3	1,3
3.083	1 - 16.41	7.2	100,0	100,0	100,0	100,0	100,0	55,0	52,0	50,0	44,0	42,0
	16 - 1	118.3	4,3	4,2	3,9	3,7	3,5	2,0	1,9	1,8	1,6	1,5
3.364	1 - 16.41	6.6	100,0	100,0	100,0	100,0	100,0	62,0	58,0	56,0	49,0	46,0
	16 - 1	108.4	4,9	4,7	4,4	4,2	4,0	2,3	2,2	2,1	1,8	1,7
3.700	1 - 16.41	6	100,0	100,0	100,0	100,0	100,0	72,0	67,0	64,0	55,0	52,0
	16 - 1	98.6	5,5	5,4	5,0	4,8	4,6	2,7	2,6	2,5	2,1	2,0

Gearbox ZF 16S-181 DD
Tyres 315/70 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GCW				
			22	22.5	24	25	26	40	42	43.2	48	50
2.846	1 - 16.41	8.4	100,0	100,0	99,0	91,0	85,0	46,0	43,0	42,0	37,0	35,0
	16 - 1	137.1	3,4	3,3	3,1	2,9	2,8	1,6	1,5	1,4	1,2	1,1
3.083	1 - 16.41	7.7	100,0	100,0	100,0	100,0	99,0	51,0	48,0	46,0	40,0	38,0
	16 - 1	126.5	3,9	3,8	3,5	3,4	3,2	1,8	1,7	1,6	1,4	1,3
3.364	1 - 16.41	7.1	100,0	100,0	100,0	100,0	100,0	57,0	53,0	51,0	45,0	43,0
	16 - 1	116	4,5	4,3	4,0	3,8	3,7	2,1	2,0	1,9	1,7	1,6
3.700	1 - 16.41	6.4	100,0	100,0	100,0	100,0	100,0	65,0	61,0	58,0	51,0	48,0
	16 - 1	105.4	5,1	5,0	4,6	4,4	4,2	2,5	2,3	2,2	1,9	1,8

Gearbox ZF 16S-181 DD
Tyres 315/80 R 22.5

			Max. gradient %									
Rear axle ratio	Gearbox ratio	Max. speed Km/h	GVW					GCW				
			22	22.5	24	25	26	40	42	43.2	48	50
2.846	1 - 16.41	8.8	100,0	100,0	89,0	82,0	77,0	43,0	40,0	39,0	34,0	33,0
	16 - 1	145.1	3,2	3,1	2,8	2,7	2,6	1,4	1,3	1,3	1,1	1,0
3.083	1 - 16.41	8.2	100,0	100,0	100,0	95,0	88,0	47,0	44,0	43,0	38,0	36,0
	16 - 1	134	3,6	3,5	3,3	3,1	3,0	1,7	1,6	1,5	1,3	1,2
3.364	1 - 16.41	7.5	100,0	100,0	100,0	100,0	100,0	53,0	49,0	48,0	42,0	40,0
	16 - 1	122.8	4,2	4,0	3,7	3,6	3,4	2,0	1,8	1,8	1,5	1,4
3.700	1 - 16.41	6.8	100,0	100,0	100,0	100,0	100,0	60,0	56,0	54,0	47,0	45,0
	16 - 1	111.6	4,8	4,6	4,3	4,1	3,9	2,3	2,1	2,1	1,8	1,7