











TRUCK TEST 2015 - TECHNICAL SPECIFICATIONS - TAUTLINER INTERLINKS

Make	Iveco	Volvo	UD Trucks	DAF	Hino	Iveco	MAN
Range	Trakker	FH	Quon	XF	700 Pro 229	Stralis	TGS
Model	AT440T44TH SR	440 TT Sin-R I-Shift Ret	GW26 450 TT ESCOT	105.460 SR 1360	2848 3.9 Air DSC	AS750S48TZP Hi-way	27.480 6x4 BBS (LX)
Odometer at start (km)	18 203	35 137	54 179	119 132	55 304	3 309	4 320
DIMENSIONS							
Fifth wheel offset (mm)	400	510	565	260	450	450	470
Overall combination length (mm)	22 240	22 080	22 060	22 320	22 075	22 120	22 170
FUEL							
Fuel tank 1 capacity [l]	600	490	400	445	390	600	590
Fuel tank 2 capacity [l]	-	330	400	445	450	-	250
Fuel in tank 1 when weighed [l]	600	441	280	445	312	600	561
MASS, CAB & EXTRAS							
Permissible front axle mass (kg)	7 700	7 700	7 700	7 700	7 500	7 700	7 700
Rims (standard / tested)	Steel / Steel	Aluminium / Aluminium	Steel / Aluminium	Steel / Aluminium	Steel / Aluminium	Aluminium / Aluminium	Steel / Aluminium
Rear suspension	Parabolic springs	Parabolic springs	Semi-elliptic multi leaf	Air	Air	Air	Parabolic springs
Cab roof / No. of bunks	High / 2	Medium / 2	Standard / 1	High / 2	High / 2	High / 2	High / 2
Aerokit (standard / tested)	None / Aero Truck	Volvo / Volvo	None / Aero Truck	None / Aero Truck	None / Aero Truck	None / Aero Truck	None / Aero Truck
Tare (spec sheet) * (kg)	8 970	-	8 530	8 475	9 055	8 540	8 886
							
Tare (tested) * (kg)	9 096	8 930	8 545	8 840	8 458	8 736	8 829
Vehicle unladen ** (kg)	9 533	9 367	8 982	9 277	8 895	9 173	9 266
Trailer unladen (kg)	9 760	9 760	9 760	9 760	9 760	9 760	9 760
Combination unladen ** (kg)	19 293	19 127	18 742	19 037	18 655	18 933	19 026
Payload (kg)	36 207	36 373	36 758	36 463	36 845	36 567	36 474
Gross combination mass ** (kg)	55 500	55 500	55 500	55 500	55 500	55 500	55 500
* Includes fifth wheel but excludes driver, fuel and spare wheel							
** Includes fifth wheel, 330 litres of fuel, driver and observer							
ENGINE							
Make	Iveco	Volvo	UD Trucks	Paccar	Hino	Iveco	MAN
Model	Cursor 13 (VGT)	D13A440	GH13	MX340 [ECE R24-03]	E13C WJ	Cursor 13 (VGT)	D2676 LF03
Capacity (cm ³)	12 880	12 800	12 777	12 900	12 913	12 880	12 419
Layout	In-line 6	In-line 6	In-line 6	In-line 6	In-line 6	In-line 6	In-line 6
Fuel injection system	6 unit injectors	6 unit injectors	6 unit injectors	6 electronic unit pumps	Common rail	6 unit injectors	Common rail
Power @ r/min (kW)	324 @ 1 470 - 1 900	324 @ 1 400 - 1 800	330 @ 1 500 - 1 800	340 @ 1 500 - 1 900	353 @ 1 800	354 @ 1 540 - 1 900	353 @ 1 700 - 1 900
Torque @ r/min (Nm)	2 100 @ 1 000 - 1 470	2 200 @ 1 050 - 1 400	2 244 @ 1 050 - 1 400	2 300 @ 1 000 - 1 410	2 157 @ 1 100	2 200 @ 1 000 - 1 540	2 300 @ 1 000 - 1 400
R/min @ 80 km/h / 75 km/h in top gear (r/min)	1 304 / 1 223	1 252 / 1 174	1 379 / 1 293	1 252 / 1 174	1 307 / 1 226	1 378 / 1 292	1 062 / 996
Emissions standard	Euro 3	Euro 3	Euro 3	Euro 3	Euro 4	Euro 3	Euro 2
TRANSMISSION							
Make	ZF	Volvo	Escot	ZF	ZF	ZF	ZF
Model	12 AS 2330 TO	AT2612D	A0612D w/ ESCOT - V	12 AS 2540 TD	16 AS 2630 TO	12 AS 2330 TD	12 AS 2331 OD TipMatic
Type	Synchromesh	Constantmesh	Constantmesh	Synchromesh	Synchromesh	Synchromesh	Constantmesh
Shift	Automated Mechanical	Automated Mechanical	Automated Mechanical	Automated Mechanical	Automated Mechanical	Automated Mechanical	Manual and Automated
No. of forward gears	12	12	12	12	16	12	12
First- / top-gear ratio (:1)	12,33 / 0,78	14,94 / 1,00	11,729 / 0,785	15,86 / 1	14,12 / 0,827	15,86 / 1	12,33 / 0,78
DRIVE AXLE							
Make	Meritor	Volvo	UD Trucks	DAF	Hino	Meritor	MAN
Reduction type	Single	Single	Single	Single	Single	Single	Single
Final ratio (standard / tested) [:1]	4,125 / 4,125	3,09 / 3,09	4,333 / 4,333	3,09 / 3,09	3,9 / 3,9	3,4 / 3,4	4,11 / 3,36
BRAKES & TYRES							
Exhaust brake	No	Standard	No	Standard	No	No	Standard
Engine brake	Standard 306 kW	Standard 300 kW	Standard	Standard	Standard	Standard 306 kW	Standard 270 kW
Retarder / Intarder	Intarder 500 kW	Voith 3 250 Nm	A0612D 3 250 Nm	Intarder 500 kW	Intarder 500 kW	Intarder 500 kW	Intarder 500 kW
Tyre make (standard / tested)	Goodyear / Goodyear	Michelin / Michelin	Goodyear / Goodyear	Goodyear / Goodyear	Dunlop / Dunlop	Michelin / Michelin	Goodyear / Goodyear
Size and ply rating - front	315/80 R22.5	385/65 R22.5	315/80 R22.5	315/80 R22.5	315/80 R22.5	385/65 R22.5	385/65 R22.5
Size and ply rating - rear	315/80 R22.5	315/80 R22.5	315/80 R22.5	315/80 R22.5	315/80 R22.5	315/80 R22.5	315/80 R22.5
LIST PRICE							
List price (Excl. VAT) (R)	1 439 950	1 680 490	1 295 400	1 550 000	1 362 530	1 699 950	1 492 880
Effective date for price	1 April 2015	22 September 2014	1 April 2015	1 October 2014	1 July 2014	1 April 2015	1 October 2013

TRUCK TEST 2015 - TECHNICAL SPECIFICATIONS - TRIDEM REEFERS

Freightliner Argosy	Scania R Series	FAW	Iveco Stralis	Renault C-RANGE	MAN TGS	Hino 700 Pro 229	Mercedes-Benz Actros	Scania G Series
CUM 500 - NG	R500 LA6x4 MSZ	28.380 FT	AT700S43TZP Hi-Way	C 440HP 6x4 Road	26.440 6x4 BLS [LX]	2845 3.9 Std	2646LS-33 DD	G460 CA6x4 MSZ
91 625	70 095	3 457	2 869	12 292	2 732	14 835	2 752	27 932
506	470	370	400	410	470	450	520	425
22 100	21 980	18 765	18 695	18 600	18 600	18 560	18 720	18 610
378	470	400	600	490	580	390	650	470
492	470	-	-	210	450	450	280	470
330	470	400	600	490	493	312	468	470
7 250	7 700	7 500	7 700	7 700	7 700	7 500	7 500	7 700
Aluminium / Aluminium	Aluminium / Aluminium	Steel / Steel	Aluminium / Aluminium	Aluminium / Aluminium	Steel / Aluminium	Steel / Steel	Aluminium / Aluminium	Steel / Steel
Air	Parabolic springs	Semi-elliptic springs	Air	Parabolic springs	Air	Semi-elliptic springs	Air	Parabolic springs
High / 2	High / 2	Low / 1	High / 2	High / 2	High / 2	Low / 1	High / 2	Standard / 2
Freightliner / Freightliner	Scania / Scania	None / Aero Truck	None / Aero Truck	Renault / Renault	None / Aero Truck	None / Aero Truck	Mercedes-Benz / Mercedes-Benz	Scania / Scania
8 287	9 229	8 750	-	8 739	8 375	9 290	8 393	8 871
								
8 443	9 105	8 764	8 556	8 928	8 526	8 838	8 587	8 865
8 880	9 542	9 201	8 993	9 366	8 963	9 275	9 024	9 302
9 760	9 760	9 700	9 700	9 700	9 700	9 700	9 700	9 700
18 640	19 302	18 901	18 693	19 066	18 663	18 975	18 724	19 002
36 860	36 198	29 099	29 307	28 934	29 337	29 025	29 276	28 998
55 500	55 500	48 000	48 000	48 000	48 000	48 000	48 000	48 000
Cummins	Scania	Weichai	Iveco	Renault	MAN	Hino	Mercedes-Benz	Scania
ISX 500/6 IL	DC16 04 500	WD615.38	Cursor 10 (VGT)	DXi 11	D2676 LF04	E13C-WK	OM 501 LA	DC13 106
15 000	15 607	9 726	10 300	10 800	12 419	12 913	11 946	12 700
In-line 6	V8	In-line 6	In-line 6	In-line 6	In-line 6	In-line 6	V8	In-line 6
Electronic unit injection	Unit injector PDE	Direct injection pump	6 unit injectors	6 unit injectors	Common rail	Common rail	Electronic pump- line-nozzle	Unit injector PDE
373 @ 1 700 - 1 800	368 @ 1 900	280 @ 2 200	316 @ 1 590 - 2 100	321 @ 1 900	324 @ 1 700 - 1 900	331 @ 1 800	335 @ 1 800	338 @ 1 900
2 237 @ 1 100 - 1 500	2 400 @ 1 100 - 1 300	1 463 @ 1 600	1 900 @ 1 050 - 1 590	2 000 @ 1 000 - 1 400	2 100 @ 1 000 - 1 400	2 157 @ 1 100	2 200 @ 1 080	2 250 @ 1 000 - 1 350
1 349 / 1 265	1 393 / 1 301	1 666 / 1 562	1 378 / 1 292	1 252 / 1 174	1 170 / 1 097	1 307 / 1 226	1 247 / 1 169	1 248 / 1 174
Euro 3	Euro 3	Euro 2	Euro 3	Euro 3	Euro 2	Euro 4	Euro 3	Euro 3
Eaton FO-18E318B- MXP	Scania GRS905R	FAW CA9T B160M	ZF 12 AS 1930 TD	Renault Optidriver AT 2612D TD	ZF 12 AS 2331 OD TipMatic	ZF 16 AS 2630 T0	Mercedes-Benz G281-12	Scania GRS905R
Constantmesh Automated Mechanical	Synchromesh Manual and Automated	Synchromesh Manual	Synchromesh Automated Mechanical	Constantmesh Automated Mechanical	Constantmesh Manual and Automated	Synchromesh Automated Mechanical	Constantmesh Automated Mechanical	Synchromesh Manual and Automated
18	12	9	12	12	12	16	12	12
14,4 / 0,73	11,32 / 1	12,11 / 1	15,86 / 1	14,94 / 1	12,33 / 0,78	14,12 / 0,827	14,91 / 1	11,32 / 1
Meritor Single	Scania Single	Not Specified Single	Meritor Single	Renault Single	MAN Single	Hino Single	Mercedes-Benz Single	Scania Single
4,56 / 4,56	3,07 / 3,42	4,111 / 4,111	3,4 / 3,4	3,09 / 3,09	4,11 / 3,7	3,9 / 3,9	3,077 / 3,077	3,07 / 3,07
Standard Intebrake 336 kW	Standard No	Standard No	No Standard - 250 kW	Standard Standard	Standard Standard 270 kW	No Standard	Standard Standard	Standard No
-	Retarder 500 kW	-	Intarder 500 kW	Voith 3 250 Nm	Intarder 500 kW	Intarder 500 kW	Voith R 115 HV 3 500 Nm	Retarder 500 kW
Michelin / Michelin	Michelin / Michelin	Double Coin / Double Coin	Michelin / Michelin	Michelin / Michelin	Goodyear / Goodyear	Firestone / Firestone	Michelin / Michelin	Goodyear / Goodyear
385/65 R22.5	385/65 R22.5	315/80 R22.5	385/65 R22.5	385/65 R22.5	385/65 R22.5	315/80 R22.5	315/80 R22.5	385/65 R22.5
315/80 R22.5	315/80 R22.5	315/80 R22.5	315/80 R22.5	315/80 R22.5	315/80 R22.5	315/80 R22.5	315/80 R22.5	315/80 R22.5
1 618 300	1 716 750	680 000	1 549 950	1 435 294	1 488 350	1 297 680	1 527 000	1 555 050
1 March 2015	1 May 2014	13 April 2015	1 April 2015	1 December 2014	1 October 2013	1 July 2014	1 April 2015	1 May 2014