IVECO

Drive the road of change

TECHNICAL DESCRIPTION

EUROCARGO ML180E32

List of linked VCB

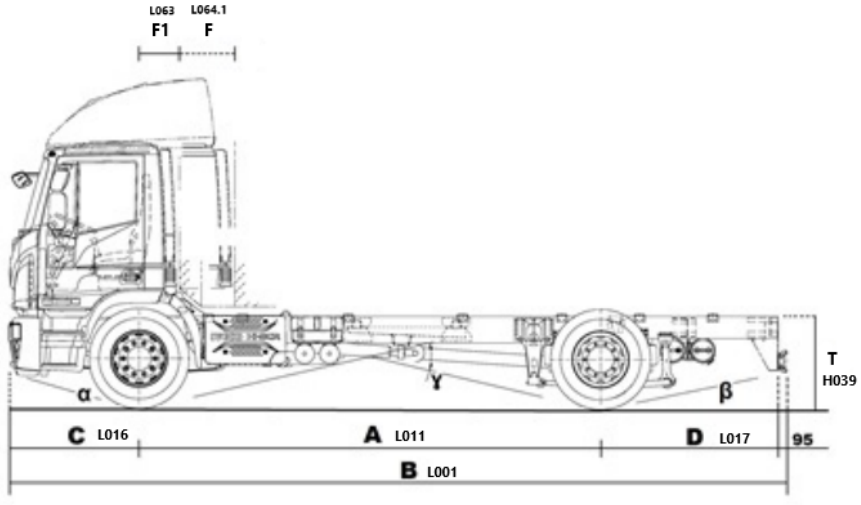
VCB code	Gearbox	Wheelbase	Cabin	Drive
3A7AC431	ZF 8AP1200	3690	MLC-NS SX	LH
3A7AC43A	ZF 8AP1200	3690	MLC-NS DX	RH
3A7AC4C1	6S 1000 TO	3690	MLC-NS SX	LH
3A7AC4CA	6S 1000 TO	3690	MLC-NS DX	RH
3A7AC4F1	9S 1110 TO	3690	MLC-NS SX	LH
3A7AC4FA	9S 1110 TO	3690	MLC-NS DX	RH
3A7AC4T1	3000	3690	MLC-NS SX	LH
3A7AC4TA	3000	3690	MLC-NS DX	RH
3A7AC531	ZF 8AP1200	4185	MLC-NS SX	LH
3A7AC532	ZF 8AP1200	4185	MLL-NS SX	LH
3A7AC53A	ZF 8AP1200	4185	MLC-NS DX	RH
3A7AC53B	ZF 8AP1200	4185	MLL-NS DX	RH
3A7AC5C1	6S 1000 TO	4185	MLC-NS SX	LH
3A7AC5C2	6S 1000 TO	4185	MLL-NS SX	LH
3A7AC5CA	6S 1000 TO	4185	MLC-NS DX	RH
3A7AC5CB	6S 1000 TO	4185	MLL-NS DX	RH
3A7AC5F1	9S 1110 TO	4185	MLC-NS SX	LH
3A7AC5F2	9S 1110 TO	4185	MLL-NS SX	LH
3A7AC5FA	9S 1110 TO	4185	MLC-NS DX	RH
3A7AC5FB	9S 1110 TO	4185	MLL-NS DX	RH
3A7AC5T1	3000	4185	MLC-NS SX	LH
3A7AC5T2	3000	4185	MLL-NS SX	LH
3A7AC5TA	3000	4185	MLC-NS DX	RH
3A7AC5TB	3000	4185	MLL-NS DX	RH
3A7AC631	ZF 8AP1200	4590	MLC-NS SX	LH
3A7AC632	ZF 8AP1200	4590	MLL-NS SX	LH
3A7AC63A	ZF 8AP1200	4590	MLC-NS DX	RH
3A7AC63B	ZF 8AP1200	4590	MLL-NS DX	RH
3A7AC6C1	6S 1000 TO	4590	MLC-NS SX	LH
3A7AC6C2	6S 1000 TO	4590	MLL-NS SX	LH
3A7AC6CA	6S 1000 TO	4590	MLC-NS DX	RH
3A7AC6CB	6S 1000 TO	4590	MLL-NS DX	RH
3A7AC6F1	9S 1110 TO	4590	MLC-NS SX	LH
3A7AC6F2	9S 1110 TO	4590	MLL-NS SX	LH
3A7AC6FA	9S 1110 TO	4590	MLC-NS DX	RH
3A7AC6FB	9S 1110 TO	4590	MLL-NS DX	RH
3A7AC6T1	3000	4590	MLC-NS SX	LH
3A7AC6T2	3000	4590	MLL-NS SX	LH
3A7AC6TA	3000	4590	MLC-NS DX	RH
3A7AC6TB	3000	4590	MLL-NS DX	RH
3A7AC731	ZF 8AP1200	4815	MLC-NS SX	LH
3A7AC732	ZF 8AP1200	4815	MLL-NS SX	LH
3A7AC73A	ZF 8AP1200	4815	MLC-NS DX	RH

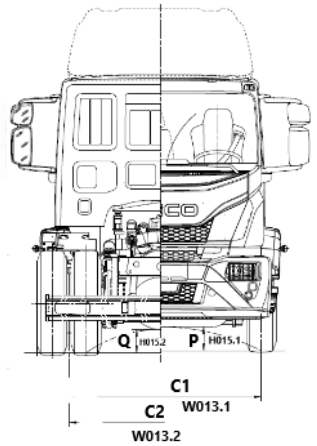
List of linked VCB

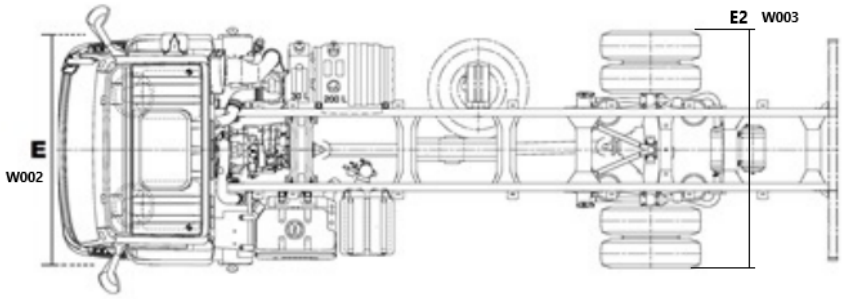
VCB code	Gearbox	Wheelbase	Cabin	Drive
3A7AC73B	ZF 8AP1200	4815	MLL-NS DX	RH
3A7AC7C1	6S 1000 TO	4815	MLC-NS SX	LH
3A7AC7C2	6S 1000 TO	4815	MLL-NS SX	LH
3A7AC7CA	6S 1000 TO	4815	MLC-NS DX	RH
3A7AC7CB	6S 1000 TO	4815	MLL-NS DX	RH
3A7AC7F1	9S 1110 TO	4815	MLC-NS SX	LH
3A7AC7F2	9S 1110 TO	4815	MLL-NS SX	LH
3A7AC7FA	9S 1110 TO	4815	MLC-NS DX	RH
3A7AC7FB	9S 1110 TO	4815	MLL-NS DX	RH
3A7AC7T1	3000	4815	MLC-NS SX	LH
3A7AC7T2	3000	4815	MLL-NS SX	LH
3A7AC7TA	3000	4815	MLC-NS DX	RH
3A7AC7TB	3000	4815	MLL-NS DX	RH
3A7AC831	ZF 8AP1200	5175	MLC-NS SX	LH
3A7AC832	ZF 8AP1200	5175	MLL-NS SX	LH
3A7AC83A	ZF 8AP1200	5175	MLC-NS DX	RH
3A7AC83B	ZF 8AP1200	5175	MLL-NS DX	RH
3A7AC8C1	6S 1000 TO	5175	MLC-NS SX	LH
3A7AC8C2	6S 1000 TO	5175	MLL-NS SX	LH
3A7AC8CA	6S 1000 TO	5175	MLC-NS DX	RH
3A7AC8CB	6S 1000 TO	5175	MLL-NS DX	RH
3A7AC8F1	9S 1110 TO	5175	MLC-NS SX	LH
3A7AC8F2	9S 1110 TO	5175	MLL-NS SX	LH
3A7AC8FA	9S 1110 TO	5175	MLC-NS DX	RH
3A7AC8FB	9S 1110 TO	5175	MLL-NS DX	RH
3A7AC8T1	3000	5175	MLC-NS SX	LH
3A7AC8T2	3000	5175	MLL-NS SX	LH
3A7AC8TA	3000	5175	MLC-NS DX	RH
3A7AC8TB	3000	5175	MLL-NS DX	RH
3A7AC931	ZF 8AP1200	5670	MLC-NS SX	LH
3A7AC932	ZF 8AP1200	5670	MLL-NS SX	LH
3A7AC93A	ZF 8AP1200	5670	MLC-NS DX	RH
3A7AC93B	ZF 8AP1200	5670	MLL-NS DX	RH
3A7AC9C1	6S 1000 TO	5670	MLC-NS SX	LH
3A7AC9C2	6S 1000 TO	5670	MLL-NS SX	LH
3A7AC9CA	6S 1000 TO	5670	MLC-NS DX	RH
3A7AC9CB	6S 1000 TO	5670	MLL-NS DX	RH
3A7AC9F1	9S 1110 TO	5670	MLC-NS SX	LH
3A7AC9F2	9S 1110 TO	5670	MLL-NS SX	LH
3A7AC9FA	9S 1110 TO	5670	MLC-NS DX	RH
3A7AC9FB	9S 1110 TO	5670	MLL-NS DX	RH
3A7AC9T1	3000	5670	MLC-NS SX	LH
3A7AC9T2	3000	5670	MLL-NS SX	LH

List of linked VCB

VCB code	Gearbox	Wheelbase	Cabin	Drive
3A7AC9TA	3000	5670	MLC-NS DX	RH
3A7AC9TB	3000	5670	MLL-NS DX	RH
3A7ACA31	ZF 8AP1200	6210	MLC-NS SX	LH
3A7ACA32	ZF 8AP1200	6210	MLL-NS SX	LH
3A7ACA3A	ZF 8AP1200	6210	MLC-NS DX	RH
3A7ACA3B	ZF 8AP1200	6210	MLL-NS DX	RH
3A7ACAC1	6S 1000 TO	6210	MLC-NS SX	LH
3A7ACAC2	6S 1000 TO	6210	MLL-NS SX	LH
3A7ACACA	6S 1000 TO	6210	MLC-NS DX	RH
3A7ACACB	6S 1000 TO	6210	MLL-NS DX	RH
3A7ACAF1	9S 1110 TO	6210	MLC-NS SX	LH
3A7ACAF2	9S 1110 TO	6210	MLL-NS SX	LH
3A7ACAFA	9S 1110 TO	6210	MLC-NS DX	RH
3A7ACAFB	9S 1110 TO	6210	MLL-NS DX	RH
3A7ACAT1	3000	6210	MLC-NS SX	LH
3A7ACAT2	3000	6210	MLL-NS SX	LH
3A7ACATA	3000	6210	MLC-NS DX	RH
3A7ACATB	3000	6210	MLL-NS DX	RH
3A7ACB31	ZF 8AP1200	6570	MLC-NS SX	LH
3A7ACB32	ZF 8AP1200	6570	MLL-NS SX	LH
3A7ACB3A	ZF 8AP1200	6570	MLC-NS DX	RH
3A7ACB3B	ZF 8AP1200	6570	MLL-NS DX	RH
3A7ACBC1	6S 1000 TO	6570	MLC-NS SX	LH
3A7ACBC2	6S 1000 TO	6570	MLL-NS SX	LH
3A7ACBCA	6S 1000 TO	6570	MLC-NS DX	RH
3A7ACBCB	6S 1000 TO	6570	MLL-NS DX	RH
3A7ACBF1	9S 1110 TO	6570	MLC-NS SX	LH
3A7ACBF2	9S 1110 TO	6570	MLL-NS SX	LH
3A7ACBFA	9S 1110 TO	6570	MLC-NS DX	RH
3A7ACBFB	9S 1110 TO	6570	MLL-NS DX	RH
3A7ACBT1	3000	6570	MLC-NS SX	LH
3A7ACBT2	3000	6570	MLL-NS SX	LH
3A7ACBTA	3000	6570	MLC-NS DX	RH
3A7ACBTB	3000	6570	MLL-NS DX	RH







	BEP	DIMENSIONS (mm)														
Wheelbase (A)	**L011**	**3690 MLC**	**4185 MLC**	**4590 MLC**	**4815 MLC**	**5175 MLC**	**5670 MLC**	**6210 MLC**	**6570 MLC**	**4185 MLL**	**4590 MLL**	**4815 MLL**	**5175 MLL**	**5670 MLL**	**6210 MLL**	**6570 MLL**
Max length (B)	L001	6817	7312	7717	8145	8775	9382	10237	10707	7312	7717	8145	8775	9382	10237	10707
Distance 1st-2nd axle	L012.1	3690	4185	4590	4815	5175	5670	6210	6570	4185	4590	4815	5175	5670	6210	6570
Max width over wings (cab) (E)	W002	2390	2390	2390	2390	2390	2390	2390	2390	2390	2390	2390	2390	2390	2390	2390
Overall width (rear tyres) (E2)	W003	2455	2455	2455	2455	2455	2455	2455	2455	2455	2455	2455	2455	2455	2455	2455
Front axle to back of cab - without snorkel (F1)	L063	300	300	300	300	300	300	300	300	880	880	880	880	880	880	880
Front axle to back of cab - including snorkel (F)	L064.1	420	420	420	420	420	420	420	420	1000	1000	1000	1000	1000	1000	1000
Frame height at end of frame, unladen (T)	H039	1084	1088	1085	1086	1087	1086	1086	1086	1088	1085	1086	1087	1086	1086	1086
Frame height at front axle, unladen (c+cv)	H035	1017	1011	1011	1010	1009	1008	1006	1005	1011	1011	1010	1009	1008	1006	1005
Frame height at rear axle, unladen (d+dv)	H037	1063	1066	1065	1065	1064	1064	1063	1062	1066	1065	1065	1064	1064	1063	1062

	BEP	DIMENSIONS (mm)														
Wheelbase (A)	**L011**	**3690 MLC**	**4185 MLC**	**4590 MLC**	**4815 MLC**	**5175 MLC**	**5670 MLC**	**6210 MLC**	**6570 MLC**	**4185 MLL**	**4590 MLL**	**4815 MLL**	**5175 MLL**	**5670 MLL**	**6210 MLL**	**6570 MLL**
Front overhang (C)	L016	1362	1362	1362	1362	1362	1362	1362	1362	1362	1362	1362	1362	1362	1362	1362
Rear overhang (D)	L019	1650	1650	1650	1853	2123	2235	2550	2775	1650	1650	1853	2123	2235	2550	2775
Minimum ground clearance (front) (P)	H015.1	234	234	234	234	234	234	234	234	234	234	234	234	234	234	234
Minimum ground clearance (rear) (Q)	H016.1	227	227	227	227	227	227	227	227	227	227	227	227	227	227	227
Overall height to top of cab, unladen (H)	H001	2828	2821	2820	2819	2818	2817	2816	2815	2821	2820	2819	2818	2817	2816	2815
Turning diameter kerb to kerb	W011	13310	14830	16070	16760	17860	19380	21040	22140	14830	16070	16760	17860	19380	21040	22140
Turning diameter wall to wall	W012	14510	16030	17270	17960	19070	20590	22250	23360	16030	17270	17960	19070	20590	22250	23360
Front track (C1)	W013.1	1991	1991	1991	1991	1991	1991	1991	1991	1991	1991	1991	1991	1991	1991	1991
Rear track (C2)	W013.2	1817	1817	1817	1817	1817	1817	1817	1817	1817	1817	1817	1817	1817	1817	1817
Approach angle α (°)	H010	14	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Ramp angle γ (°)	H12	28	24	25	24	22	19	17	16	24	25	24	22	19	17	16
Departure angle β (°)	H011	10	10	10	9	8	7	6	6	10	10	9	8	7	6	6
Side members thickness	H033/H034	6	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
Side members max height	H032	229.5	232.9	232.9	232.9	232.9	232.9	232.9	232.9	232.9	232.9	232.9	232.9	232.9	232.9	232.9
Side members flange width	W032	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Frame width at rear	W036	852	855.4	855.4	855.4	855.4	855.4	855.4	855.4	855.4	855.4	855.4	855.4	855.4	855.4	855.4

	BEP	WEIGHTS (kg)														
Wheelbase	**L011**	**3690 MLC**	**4185 MLC**	**4590 MLC**	**4815 MLC**	**5175 MLC**	**5670 MLC**	**6210 MLC**	**6570 MLC**	**4185 MLL**	**4590 MLL**	**4815 MLL**	**5175 MLL**	**5670 MLL**	**6210 MLL**	**6570 MLL**
Total vehicle kerb weight	M060	5137	5246	5295	5361	5397	5460	5562	5637	5422	5472	5538	5574	5638	5739	5814
Kerbweight on Front Axle	M090	3312	3445	3480	3499	3515	3552	3588	3603	3591	3629	3649	3667	3707	3744	3760
Kerbweight on Rear Axle	M100	1825	1801	1815	1862	1882	1908	1974	2034	1831	1843	1889	1907	1931	1995	2054
G.V.W. (EC)	M002	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000
G.V.W. (Design)	M001	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000	18000
Plated weight on front axle (EC)	M041.1	7100	7100	7100	7100	7100	7100	7100	7100	7100	7100	7100	7100	7100	7100	7100
Plated weight on axle 1 (Design)	M040.1	7100	7100	7100	7100	7100	7100	7100	7100	7100	7100	7100	7100	7100	7100	7100
Plated weight on axle 2 (Design)	M040.2	11500	11500	11500	11500	11500	11500	11500	11500	11500	11500	11500	11500	11500	11500	11500

	BEP	WEIGHTS (kg)														
Wheelbase	**L011**	**3690 MLC**	**4185 MLC**	**4590 MLC**	**4815 MLC**	**5175 MLC**	**5670 MLC**	**6210 MLC**	**6570 MLC**	**4185 MLL**	**4590 MLL**	**4815 MLL**	**5175 MLL**	**5670 MLL**	**6210 MLL**	**6570 MLL**
Plated weight on rear axle (EC)	M041.2	11500	11500	11500	11500	11500	11500	11500	11500	11500	11500	11500	11500	11500	11500	11500
Max body & payload (Design)	M110	12863	12754	12705	12639	12603	12540	12438	12363	12578	12528	12462	12426	12362	12261	12186

Notes

Dimensions:

The height of the side member includes the thickness as well.

Weights:

Weights are to standard configuration and include: chassis cab (or tractor), driver (75 kg), full fuel tank, Adblue (if present), tools kit and spare wheel (if present).

The values of GVW / GCW can vary according to the markets and the homologations.

MLC

Wheelbase	Type	Drawing
3690	Left hand drive vehicle drawing	5803205263
4185	Left hand drive vehicle drawing	5803205264
4590	Left hand drive vehicle drawing	5803205265
4815	Left hand drive vehicle drawing	5803205266
5175	Left hand drive vehicle drawing	5803205267
5670	Left hand drive vehicle drawing	5803205268
6210	Left hand drive vehicle drawing	5803205269
6570	Left hand drive vehicle drawing	5803205270

MLL

Wheelbase	Type	Drawing
4185	Left hand drive vehicle drawing	5803205264
4590	Left hand drive vehicle drawing	5803205265
4815	Left hand drive vehicle drawing	5803205266
5175	Left hand drive vehicle drawing	5803205267
5670	Left hand drive vehicle drawing	5803205268
6210	Left hand drive vehicle drawing	5803205269

MLL

Wheelbase	Type	Drawing
6570	Left hand drive vehicle drawing	5803205270

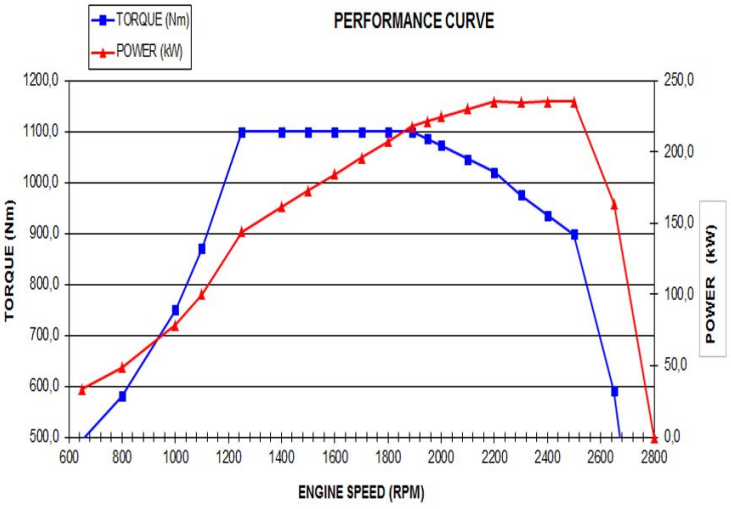
MLC / MLL

Wheelbase	Type	Drawing
4185	Left hand drive vehicle drawing	5803205264
4590	Left hand drive vehicle drawing	5803205265
4815	Left hand drive vehicle drawing	5803205266
5175	Left hand drive vehicle drawing	5803205267
5670	Left hand drive vehicle drawing	5803205268
6210	Left hand drive vehicle drawing	5803205269
6570	Left hand drive vehicle drawing	5803205270

Model Components

Engine

Identification Code	F4AFE611
Manufacturer	FPT Industrial
Commercial name	TECTOR 7
Cycle	diesel
Injection type	Bosch CP3.3
4 Stroke / 2 Stroke cycle	4 stroke
No. of cylinders	6
Cylinders layout	in line
Bore mm	104
Stroke mm	132
Total displacement cm³	6728
Exhaust gas treatment	DOC + DPF SCR+CUC
Weight (without oil / water) Kg	526
Oil capacity (l)	14
Dry mass of compressor	225/360cm3
Injection system	electronic common rail
Injection governor type	Bosch MD1 CE101
Type of turbocharging	fix geometry with wastegate valve
Speed limiter (Km/h)	90
Engine brake power (kW)	100
Engine brake power (HP)	136
Engine brake (rpm)	2800 rpm
Sound level compatible	UN/ECE 51R
GreenZone min	1000
GreenZone max	2100
No. of tanks	1
Cooling system	liquid



320 T7 - Tector 7 (1100 Nm) 6,7 lt - 6L

Maximum power: 235 kW (320 HP) @ 2500 rpm

Maximum torque: 112 Kgm (1100 Nm) @ 1250 rpm

Model Components

DRIVELINE

Gearbox

Gearbox model	Gearbox Type	Installation	Box material	Total ratio speed	Dry weight Kg	Max input torque Nm	No. of forward gears	No. of reverse gears	No. of synchro gears
3000	AUTOMATIC	ENGINE FLANGED	ALUMINIUM ALLOY	4.65	260 - (w/o retarder)	1261	6	1	--
6S 1000 TO	Mechanical SYNCRONIZED	ENGINE FLANGED	ALUMINIUM ALLOY	8.65	136	1050	6	1	6
9S 1110 TO	SYNCRONIZED	ENGINE FLANGED	ALUMINIUM ALLOY	12.64	136	1100	9	1	9
ZF 8AP1200	AUTOMATIC	ENGINE FLANGED	ALUMINIUM ALLOY	7.65	170	1200	8	1	--

Gear ratios

Gearbox model	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	rev. 1st
3000	3.49	1.86	1.41	1	0.75	0.65				5.03
6S 1000 TO	6.75	3.6	2.12	1.39	1	0.78				6.06
9S 1110 TO	9.48	6.58	4.68	3.48	2.62	1.89	1.35	1	0.75	8.97
ZF 8AP1200	4.890	3.123	2.033	1.639	1.254	1.000	0.840	0.639		4.250

Clutch

Gearbox model	Type	Type	Adjustment	Outer diameter mm	Outer diameter (inches)	Release control
3000	--	--	--	--	--	--
6S 1000 TO	--	SINGLE DRY PLATE	AUTOMATIC	395	15.5"	MECH./HYDRAULIC
9S 1110 TO		SINGLE DRY PLATE	AUTOMATIC	395	15.5"	MECH./HYDRAULIC
ZF 8AP1200	--	--	--	--	--	--

Allison S3000 Automatic gearbox:

* 300 kg with Hydraulic Retarder

HP	Model	Stall Torque Ratio:
220	TC415	2,35
250/280	TC418	1,98

Rear Axle Ratio

Option code	00015 *	00734	00737	00738 *	00739	06054
Ratio	5.29	3.36	4.11	4.63	6.17	3.7

*: Standard axle ratio

Tyres & Wheels

Code	Tyres	Front	Rear	Load index	Rolling circumference m
20503	Standard	295/80R22,5	295/80R22,5	154/148	3.184
20146	Optional	315/80R22,5	315/80R22,5	156/150	3.28
20795	Optional	315/80R22,5	315/80R22,5	156/150	3.28
20231	Optional	315/80R22,5	315/80R22,5	156/150	3.28
20230	Optional	305/70R22,5	305/70R22,5	152/148	3.045
20790	Optional	315/80R22,5	315/80R22,5	156/150	3.28
20294	Optional	315/70R22,5	315/70R22,5	156/150	3.09
20508	Optional	315/60R22.5	315/60R22.5	154/148	2.88
20519	Optional	295/80R22,5	295/80R22,5	154/148	3.184
20504	Optional	315/70R22,5	315/70R22,5	156/150	3.09
20757	Optional	12R22,5	12R22,5	150/146	3.305
20842	Optional	12R22,5	12R22,5	150/146	3.305

Model Components

Axles

Position	Description
Front	5871/5 - Iveco Axle
Rear	MS13-17X - Rear axle - Arvin Meritor - single reduction

Performance

* Max Speed. Calculated speed on the basis of engine rpm and axle ratios. Real speed limits must take into account the speed index of the tyres: K = 110 km / h L = 120 km / h M = 130 km / h
** Theoretically calculated values, arising from the engine torque without considering the road-friction values and the stability limits of the vehicles. When calculating with more than one tyres or more than one axle ratio, availability of each combination must be checked.
*** Please note that the actual max. speed of the vehicle may differ from the theoretical one displayed in this document, depending on the vehicle configuration.
Speed and gradeability values are rounded.
A = Total Weights (solo vehicle) Kg - Max Gradeability %
B = Total Weights (vehicle+trailer) Kg - Max Gradeability %

Tyre: 20503 - 295/80R22,5 - Regional | **Efficiency: 0.93** | **No transfer box**

Gearbox model 3000

Axle Ratio	Gear Ratio 1°	Gear Ratio 6°	Speed km/h 1°	Speed km/h 6°	RPM at 80 km/h	RPM at 90 km/h	A 18000 1°	A 18000 6°	B 21500 1°	B 21500 6°
3.36	3.49	0.65	40.73	218.68	914	1028	12.88	0.68	10.66	0.48
3.7	3.49	0.65	36.99	198.59	1007	1132	14.28	1.15	11.83	0.87
4.11	3.49	0.65	33.30	178.78	1118	1258	15.98	1.65	13.23	1.28
4.63	3.49	0.65	29.56	158.70	1260	1417	18.15	2.21	15.03	1.75
5.29	3.49	0.65	25.87	138.90	1439	1619	20.94	2.85	17.32	2.29
6.17	3.49	0.65	22.18	119.09	1679	1888	24.74	3.64	20.42	2.95

Gearbox model 6S 1000 TO

Axle Ratio	Gear Ratio 1°	Gear Ratio 6°	Speed km/h 1°	Speed km/h 6°	RPM at 80 km/h	RPM at 90 km/h	A 18000 1°	A 18000 6°	B 21500 1°	B 21500 6°
3.36	6.75	0.78	21.06	182.23	1097	1234	26.18	1.56	21.59	1.21
3.7	6.75	0.78	19.12	165.49	1208	1359	29.11	2.01	23.96	1.59
4.11	6.75	0.78	17.22	148.98	1342	1510	32.74	2.51	26.87	2.01
4.63	6.75	0.78	15.28	132.25	1512	1701	37.52	3.10	30.66	2.50
5.29	6.75	0.78	13.38	115.75	1727	1943	43.93	3.79	35.65	3.08
6.17	6.75	0.78	11.47	99.24	2014	2266	53.26	4.67	42.69	3.81

Gearbox model 9S 1110 TO

Axle Ratio	Gear Ratio 1°	Gear Ratio 9°	Speed km/h 1°	Speed km/h 9°	RPM at 80 km/h	RPM at 90 km/h	A 18000 1°	A 18000 9°	B 21500 1°	B 21500 9°
3.36	9.48	0.75	14.99	189.52	1055	1187	38.36	1.37	31.32	1.05
3.7	9.48	0.75	13.62	172.11	1161	1307	42.99	1.83	34.93	1.43
4.11	9.48	0.75	12.26	154.94	1290	1451	48.91	2.32	39.44	1.85
4.63	9.48	0.75	10.88	137.54	1453	1635	57.08	2.90	45.49	2.33
5.29	9.48	0.75	9.52	120.38	1661	1868	68.87	3.58	53.82	2.90
6.17	9.48	0.75	8.17	103.21	1937	2179	88.46	4.44	66.50	3.62

Gearbox model ZF 8AP1200

Axle Ratio	Gear Ratio 1°	Gear Ratio 8°	Speed km/h 1°	Speed km/h 8°	RPM at 80 km/h	RPM at 90 km/h	A 18000 1°	A 18000 8°	B 21500 1°	B 21500 8°
3.36	4.890	0.639	29.07	222.45	899	1011	18.48	0.60	15.30	0.40
3.7	4.890	0.639	26.40	202.00	990	1113	20.49	1.07	16.95	0.80
4.11	4.890	0.639	23.76	181.85	1099	1237	22.95	1.57	18.97	1.22
4.63	4.890	0.639	21.09	161.43	1238	1393	26.13	2.13	21.55	1.69
5.29	4.890	0.639	18.46	141.29	1415	1592	30.27	2.77	24.90	2.22
6.17	4.890	0.639	15.83	121.14	1650	1856	36.02	3.55	29.48	2.88

Model Components

Suspensions

Front parabolic suspension:
No. of leaves: 4

Rear parabolic suspension:
No. of leaves: 2+1

Battery

Electrics	
Voltage V	24
Starter power kW	4.4
No. of batteries	2
Batteries capacity V/Ah	12 / 143

Cabin

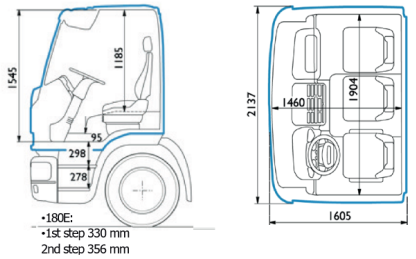
Day Cab Interior:
Forward control MLC-MLL day cab. Three way adjustable drivers seat with integral head restraint and safety belt. Dual fixed passenger seat with 50/50 split back rest, withhead restraints with one central lap and one outer diagonal and safety belt. Overhead lockers with doors. Windowless rear cab wall with document storage. Large storageshelf on passenger side.

Model Components

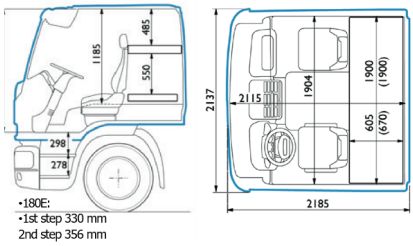
Four speed fan air flow up to 500m3/hr. kw output. All gauges monitored using international symbols. Automatic electronic digital 24hr tachograph. Speedometer with dual scale instrumentation. Left and right hand entry assist handles. Fully adjustable steering column. Gear selection by means of stalks forautomatic gearbox. Column mounted control stalks.
Overhead console for tachograph and CB. Courtesy and map reading lights. Engine immobiliser. Handbrake warning buzzer. Drivers safety belt warning buzzer.

Day Cab Exterior:
One step cab entry. Suspension helical springs and dampers. Hydraulic tilt to 60 deg. Pressed steel construction with injection moulded plastic for vulnerable components. Electric door windows and laminated windscreen. Heated rear view mirrors to EEC 2003/97 and 2005/27, including 2 wide angle, 1 kerb view and 1 frontview mirror. LED day time running lights (DTRL).

MLC CAB DIMENSIONS



MLL CAB DIMENSIONS



Model Components

MAIN TECHNICAL FEATURES and NOVELTIES

Safety and Security

• Cybersecurity:
protect and prevent vehicles from Cyber Attacks.

General Safety Regulation

• Advanced emergency braking system (AEBS):
automatically detects an imminent/potential forward collision and activate the vehicle braking system to decelerate the vehicle with the purpose of avoiding or mitigating a collision. The system shall react to other licensed moving vehicles and obstacles present in the front area of the vehicle and has to be active both on urban and highway areas.

• Lane Departure Warning System (LDWS):
warns the driver about an unintentional lane departure event (when the vehicle drifts out of its travel lane). The system is suppressed if either hazard lights, a turn indicator, the braking pedal or the steering wheel is active.

• Alcohol interlock installation facilitation:
enhance traffic safety by preventing persons with alcohol concentrations exceeding a set limit value from driving a motor vehicle. Vehicle engine can't be started if driver's alcohol concentration is unsafe for driving.Only prefit is supplied as standard, the full device is to be ordered by mean of specific option (CCP 416)

• Driver Drowsiness & Attention Warning (DDAW): opt 399 (if included in the configuration, the vehicle is compliant with GSR-B regulation)
alerts driver when driving behavior indicates drowsiness or inattentiveness

• Emergency stop signal (ESS):
enhances traffic safety by indicating to other road users to the rear of the vehicle that a high retardation force is being applied; this warning is given by a light-signaling function.

• Intelligent Speed Assist (ISA):
helps recognize speed limits and alerts driver, when speed limit is exceeded

• Tyre Pressure Monitoring System (TPMS):
alerts driver of tire pressure loss to help avoid tire blow out and avoid abnormal fuel consumption

• Blind Spot Information System (BSIS):
helps to avoid collisions with Vunerable Road User near the passenger side while vehicle is turning.As extra-option a BSIS covering the driver side area of the vehicle is available.

• Moving Off Information System (MOIS):
During moving off maneuvers it reduces the number of accidents with Vunerable Road User entering the front area of the vehicle.

• Reversing Detection (REV):
Helps to avoid collisions during reversing maneuvers providing rear truck image on a screen.

• Advanced Driver Distraction Warning (ADDW) – option 2221 (if included in the configuration, the vehicle is compliant with GSR-C regulation)
The Advanced Driver Distraction Warning system monitors the driver's attention and fatigue levels through a camera mounted on the driver-side windshield pillar. When signs of drowsiness, fatigue, or distraction are detected, the system issues visual and acoustic alerts.
Note: The ADDW camera does not record or store any video during driver monitoring and does not use any biometric data, including facial recognition, for its operation.

Chassis

• Emergency Braking Sysyem (E.B.S.)
• More wheelbases available

Electris and Electronics architecture

• Hi-Mux:
connect all electronic components each other by a high speed transmission line

Cab

• Windscreen and tinted windows
• Central dashboard and panel redesign
• Full screen cluster
• 7" radio DAB with reverse camera
• Voice AI (optional)
• Digital tachograph 4.1

Engines

• 320 HP engine on 4x4
• Emissions level compliant to Euro VI step e phase b regulation

Gearbox

• ZF 8AP 8 speed automatic

Exhaust system

- 3 way catalyst positioned on the right side of the frame

Model Components

THREE DIFFERENT EXHAUST PIPE SOLUTIONS:

STANDARD - Low exhaust pipe (CCP 2181) - suitable for distribution missions like box, fridge, etc.
OPTIONAL - Vertical pipe (CCP 180) - suitable for municipality missions like refuse collector, road sweeper, tipper, ect.
OPTIONAL - Vertical muffler (CCP 72902) - suitable for road sweeper application

Miscellaneous

Fuelling:
Fuel tank : 200 LT, plastic; filter, fuel pump, prefilter, fuel separator.

Adblue tank capacity: 30 l.

Braking system
Disc Brakes :

Diameter : front 432 x 45 mm ventilated disc.
rear 432 x 45 mm ventilated disc.

Surface area : 816 cm2

Type .....Air. Two independent circuits.
Service brake.....ABS+ASR+EVSC
Parking.....Spring parking brake on rear axle.
Exaust brake.....Standard.
Air drier.....Standard.

IVECO

Drive the road of change

Body Builders Management
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www.iveco.com

https://newibb.iveco.com