

IVECO

Drive the road of change



TECHNICAL DESCRIPTION

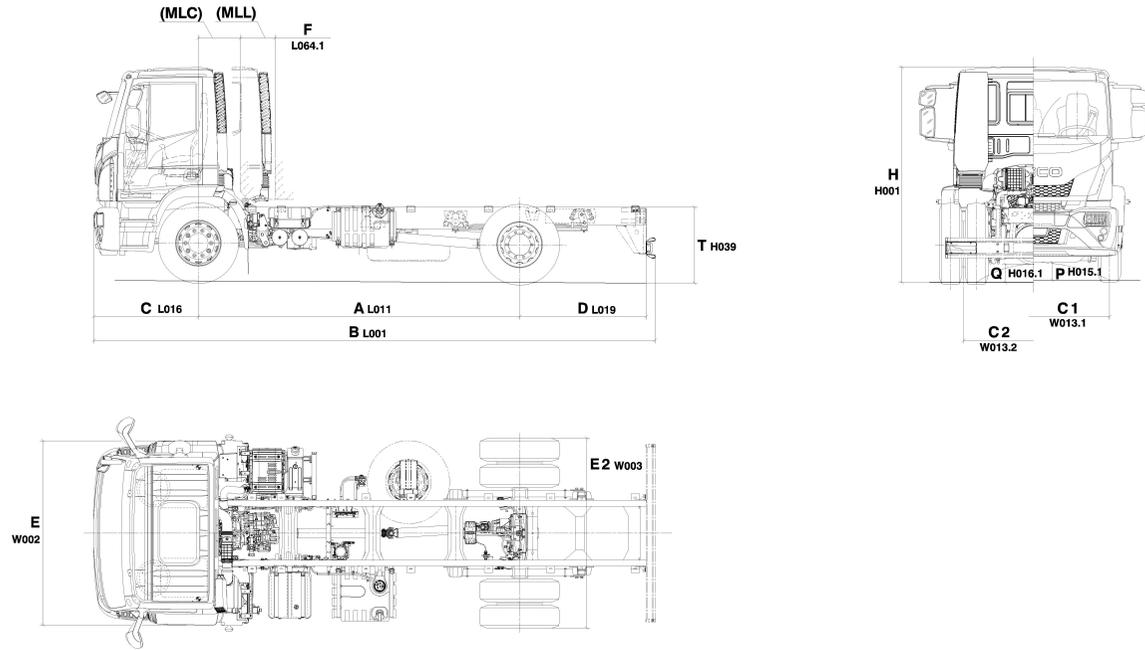
EUROCARGO MLI 80E25-E5

List of linked VCB

VCB code	Gearbox	Wheelbase	Cabin	Drive
T9TAC43I	ZF 8API000	3690	MLC-NS SX	LH
T9TAC4CI	6S 800 TO	3690	MLC-NS SX	LH
T9TAC4FI	9S 1110 TO	3690	MLC-NS SX	LH
T9TAC4TI	3000	3690	MLC-NS SX	LH
T9TAC53I	ZF 8API000	4185	MLC-NS SX	LH
T9TAC532	ZF 8API000	4185	MLL-NS SX	LH
T9TAC5CI	6S 800 TO	4185	MLC-NS SX	LH
T9TAC5C2	6S 800 TO	4185	MLL-NS SX	LH
T9TAC5FI	9S 1110 TO	4185	MLC-NS SX	LH
T9TAC5F2	9S 1110 TO	4185	MLL-NS SX	LH
T9TAC5TI	3000	4185	MLC-NS SX	LH
T9TAC5T2	3000	4185	MLL-NS SX	LH
T9TAC63I	ZF 8API000	4590	MLC-NS SX	LH
T9TAC632	ZF 8API000	4590	MLL-NS SX	LH
T9TAC6CI	6S 800 TO	4590	MLC-NS SX	LH
T9TAC6C2	6S 800 TO	4590	MLL-NS SX	LH
T9TAC6FI	9S 1110 TO	4590	MLC-NS SX	LH
T9TAC6F2	9S 1110 TO	4590	MLL-NS SX	LH
T9TAC6TI	3000	4590	MLC-NS SX	LH
T9TAC6T2	3000	4590	MLL-NS SX	LH
T9TAC73I	ZF 8API000	4815	MLC-NS SX	LH
T9TAC732	ZF 8API000	4815	MLL-NS SX	LH
T9TAC7CI	6S 800 TO	4815	MLC-NS SX	LH
T9TAC7C2	6S 800 TO	4815	MLL-NS SX	LH
T9TAC7FI	9S 1110 TO	4815	MLC-NS SX	LH
T9TAC7F2	9S 1110 TO	4815	MLL-NS SX	LH
T9TAC7TI	3000	4815	MLC-NS SX	LH
T9TAC7T2	3000	4815	MLL-NS SX	LH
T9TAC83I	ZF 8API000	5175	MLC-NS SX	LH
T9TAC832	ZF 8API000	5175	MLL-NS SX	LH
T9TAC8CI	6S 800 TO	5175	MLC-NS SX	LH
T9TAC8C2	6S 800 TO	5175	MLL-NS SX	LH
T9TAC8FI	9S 1110 TO	5175	MLC-NS SX	LH
T9TAC8F2	9S 1110 TO	5175	MLL-NS SX	LH
T9TAC8TI	3000	5175	MLC-NS SX	LH
T9TAC8T2	3000	5175	MLL-NS SX	LH
T9TAC93I	ZF 8API000	5670	MLC-NS SX	LH
T9TAC932	ZF 8API000	5670	MLL-NS SX	LH
T9TAC9CI	6S 800 TO	5670	MLC-NS SX	LH
T9TAC9C2	6S 800 TO	5670	MLL-NS SX	LH
T9TAC9FI	9S 1110 TO	5670	MLC-NS SX	LH
T9TAC9F2	9S 1110 TO	5670	MLL-NS SX	LH

List of linked VCB

VCB code	Gearbox	Wheelbase	Cabin	Drive
T9TAC9T1	3000	5670	MLC-NS SX	LH
T9TAC9T2	3000	5670	MLL-NS SX	LH
T9TACA31	ZF 8API000	6210	MLC-NS SX	LH
T9TACA32	ZF 8API000	6210	MLL-NS SX	LH
T9TACAC1	6S 800 TO	6210	MLC-NS SX	LH
T9TACAC2	6S 800 TO	6210	MLL-NS SX	LH
T9TACAF1	9S 1110 TO	6210	MLC-NS SX	LH
T9TACAF2	9S 1110 TO	6210	MLL-NS SX	LH
T9TACAT1	3000	6210	MLC-NS SX	LH
T9TACAT2	3000	6210	MLL-NS SX	LH
T9TACB31	ZF 8API000	6570	MLC-NS SX	LH
T9TACB32	ZF 8API000	6570	MLL-NS SX	LH
T9TACBC1	6S 800 TO	6570	MLC-NS SX	LH
T9TACBC2	6S 800 TO	6570	MLL-NS SX	LH
T9TACBF1	9S 1110 TO	6570	MLC-NS SX	LH
T9TACBF2	9S 1110 TO	6570	MLL-NS SX	LH
T9TACBT1	3000	6570	MLC-NS SX	LH
T9TACBT2	3000	6570	MLL-NS SX	LH



BEP

DIMENSIONS (mm)

	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
Wheelbase (A)	L011	3690	4185	4590	4815	5175	5670	6210	6570	4185	4590	4815	5175	5670	6210	6570
Max length (B)	L001	6817	7312	7717	8145	8775	9382	10237	10822	7312	7717	8145	8775	9382	10237	10822
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 - including snorkel (F)	L064.1	550	550	550	550	550	550	550	550	1000	1000	1000	1000	1000	1000	1000
Frame height at end of frame, unladen (T)	H039	1081	1080	1078	1078	1079	1078	1077	1075	1080	1079	1079	1080	1079	1078	1077
Frame height at front axle, unladen (c+cv)	H035	1021	1021	1020	1020	1019	1018	1017	1016	1017	1016	1015	1014	1013	1012	1011
Frame height at rear axle, unladen (d+dv)	H037	1062	1063	1063	1062	1061	1061	1059	1058	1062	1062	1061	1060	1060	1059	1058
Front overhang (C)	L016	1362	1362	1362	1362	1362	1362	1362	1362	1362	1362	1362	1362	1362	1362	1362

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
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	2832	2830	2829	2829	2828	2827	2826	2826	2826	2825	2824	2824	2822	2821	2821
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	14	15	15	15	15	15	15	14	15	15	15	15	15	15
Ramp angle γ (°)	H12	27	23	21	20	19	19	17	16	23	21	20	19	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	274.5	277.9	277.9	277.9	277.9	277.9	277.9	277.9	277.9	277.9	277.9	277.9	277.9	277.9	277.9
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	5031	5126	5175	5239	5274	5336	5435	5511	5295	5343	5409	5444	5505	5604	5681
Kerbweight on Front Axle	M090	3305	3357	3387	3408	3422	3458	3490	3505	3492	3525	3548	3564	3602	3637	3653
Kerbweight on Rear Axle	M100	1726	1769	1788	1831	852	1878	1945	2006	1803	1818	1861	1880	1903	1967	2028
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

Wheelbase	BEP		WEIGHTS (kg)													
	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	12969	12874	12825	12761	12726	12664	12565	12489	12705	12657	12591	12556	12495	12396	12319

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	5803347976
4185	Left hand drive vehicle drawing	5803347977
4590	Left hand drive vehicle drawing	5803347978
4815	Left hand drive vehicle drawing	5803347979
5175	Left hand drive vehicle drawing	5803347980
5670	Left hand drive vehicle drawing	5803347981
6210	Left hand drive vehicle drawing	5803347982
6570	Left hand drive vehicle drawing	5803347983

MLL

Wheelbase	Type	Drawing
4185	Left hand drive vehicle drawing	5803347977
4590	Left hand drive vehicle drawing	5803347978
4815	Left hand drive vehicle drawing	5803347979
5175	Left hand drive vehicle drawing	5803347980
5670	Left hand drive vehicle drawing	5803347981
6210	Left hand drive vehicle drawing	5803347982

MLL

Wheelbase	Type	Drawing
6570	Left hand drive vehicle drawing	5803347983

MLC / MLL

Wheelbase	Type	Drawing
4185	Left hand drive vehicle drawing	5803347977
4590	Left hand drive vehicle drawing	5803347978
4815	Left hand drive vehicle drawing	5803347979
5175	Left hand drive vehicle drawing	5803347980
5670	Left hand drive vehicle drawing	5803347981
6210	Left hand drive vehicle drawing	5803347982
6570	Left hand drive vehicle drawing	5803347983

Model Components

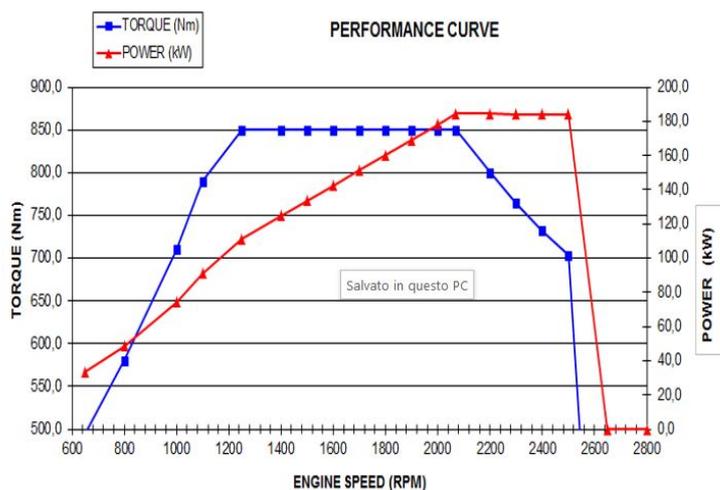
Engine

Identification Code	F4AFE611
Position	FRONT
Manufacturer	FPT Industrial
Commercial name	TECTOR 7
Cycle	diesel
Aspiration type	TC+AFTERCOOLER
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 cm ³	6728
Exhaust gas treatment	SCR (only for Euro V)
Weight (without oil / water) Kg	526
Oil capacity (l)	14
Dry mass of compressor	225/360cm ³ (360cm ³ standard for Allison)
Efficiency engine and driveline	DIESEL OIL
Injection system	electronic common rail
Injection governor type	Bosch MDI CE101
Cold starting type	THERMOSTARTER (on request)
Type of turbocharging	fix geometry with wastegate valve
Emissions control	EURO 3 or EURO 5
Speed limiter (Km/h)	90
Engine brake power (kW)	150
Engine brake power (HP)	200
Engine brake (rpm)	2800 rpm
Sound level compatible	UN/ECE 51R
GreenZone min	1100
GreenZone max	1900
No. of tanks	1
Tank position	LEFT SIDE
Cooling system	liquid
Filter type	DRY



Notes :

(Only for Euro V models) Conformity with Euro V standards : all vehicles are equipped with the SCR (Selective Catalytic Reduction) system, an AdBlue dosing system and a catalytic converter.



250-E5 - TECTOR 250 CV EURO 5

Maximum power: 185 kW (250 HP) @ 2500 rpm

Maximum torque: 87 Kgm (850 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 800 TO	MANUAL SYNCRONIZED	ENGINE FLANGED	ALUMINIUM ALLOY	8.44	124	850	6	1	6
9S 1110 TO	SYNCRONIZED	ENGINE FLANGED	ALUMINIUM ALLOY	12.64	136	1100	9	1	9
ZF 8API000	AUTOMATIC	ENGINE FLANGED	ALUMINIUM ALLOY	7.66	124	1000	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 800 TO	6.58	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 8API000	4.890	3.123	2.033	1.639	1.254	1.000	0.840	0.639		4.25

Clutch

Gearbox model	Type	Type	Adjustment	Outer diameter mm	Outer diameter (inches)	Release control
3000	--	--	--	--	--	--
6S 800 TO		SINGLE DRY PLATE	AUTOMATIC	395	15.5"	MECH./HYDRAULIC
9S 1110 TO		SINGLE DRY PLATE	AUTOMATIC	395	15.5"	MECH./HYDRAULIC
ZF 8API000	--	--	--	--	--	--

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 *	00738	00739
Ratio	5.29	4.63	6.17

*: Standard axle ratio

Model Components

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

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: $K = 110 \text{ km/h L} = 120 \text{ km/h M} = 130 \text{ km/h}$

** 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		B	
							18000	6°	21500	6°
4.63	3.49	0.65	29.56	158.70	1260	1417	13.79	1.43	11.42	1.10
5.29	3.49	0.65	25.87	138.90	1439	1619	15.90	1.96	13.17	1.54
6.17	3.49	0.65	22.18	119.09	1679	1888	18.74	2.60	15.51	2.08

Gearbox model 6S 800 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		B	
							18000	6°	21500	6°
4.63	6.58	0.78	15.68	132.25	1512	1701	27.28	2.16	22.48	1.71
5.29	6.58	0.78	13.72	115.75	1727	1943	31.62	2.72	25.98	2.18
6.17	6.58	0.78	11.76	99.24	2014	2266	37.69	3.42	30.79	2.77

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		B	
							18000	9°	21500	9°
4.63	9.48	0.75	10.88	137.54	1453	1635	41.30	2.00	33.62	1.58
5.29	9.48	0.75	9.52	120.38	1661	1868	48.58	2.55	39.19	2.04
6.17	9.48	0.75	8.17	103.21	1937	2179	59.39	3.23	47.16	2.61

Model Components

Gearbox model ZF 8AP1000

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		B	
							18000	21500	1°	8°
4.63	4.890	0.639	21.09	161.43	1238	1393	19.78	1.36	16.36	1.04
5.29	4.890	0.639	18.46	141.29	1415	1592	22.82	1.89	18.86	1.49
6.17	4.890	0.639	15.83	121.14	1650	1856	26.99	2.52	22.25	2.02

Suspensions

Front parabolic suspension:
No. of leaves: 4

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

Battery

Electrics

Voltage V	24
No. of batteries	2
Batteries capacity V/Ah	12 V / 120 Ah

Notes: Std. on all wheelbases except 4x2 model with 3105 mm wheelbase (models with mechanical suspensions)

Cabin



Model Components

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.

Four speed fan air flow up to 500m3/hr. kw output. All gauges monitored using international symbols. Automatic electronic digital 24hr tachograph or analogue or without. Speedometer with dual scale instrumentation. Left and right hand entry assist handles. Fully adjustable steering column. Gear selection by means of stalks for automatic 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.

*Radio and screen on request

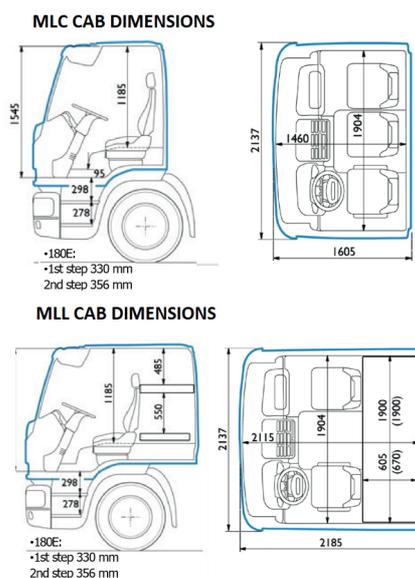
**Tweeter and led BSIS available on request where certified

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.

Rear view mirrors: Euro V range : standard : "mirror 2003/97/CE " (compliant with UNIECE 46) / Euro III range: standard: "tubular arms mirror" (compliant with 88/321/EC)" including 2 wide angle, 1 kerb view and 1 frontview mirror (only on Euro 5 version).

LED day time running lights (DTRL).



MAIN TECHNICAL FEATURES and NOVELTIES

Chassis

- Emergency Braking System (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

Exhaust system

- 3 way catalyst positioned on the right side of the frame (Euro V)

THREE DIFFERENT EXHAUST PIPE SOLUTIONS:

STANDARD - Low exhaust pipe (CCP 2181) - suitable for distribution missions like box, fridge, etc.

OPTIONAL - Left hand side exhaust (CCP 2182)

OPTIONAL - Vertical pipe (CCP 180) - suitable for municipality missions like refuse collector, road sweeper, tipper, ect.

Model Components

Miscellaneous

Fuelling:

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

Adblue tank capacity for Euro V: 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

TypeAir. Two independent circuits.

Service brake.....ABS+ASR

Parking.....Spring parking brake on rear axle.

Exhaust brake.....Standard.

Air drier.....Standard.

IVECO

Drive the road of change

Body Builders Management

Lungo Stura Lazio 49

Email: ibb@ivecogroup.com



www.iveco.com



<https://newibb.iveco.com>