

IVECO

Drive the road of change



TECHNICAL DESCRIPTION

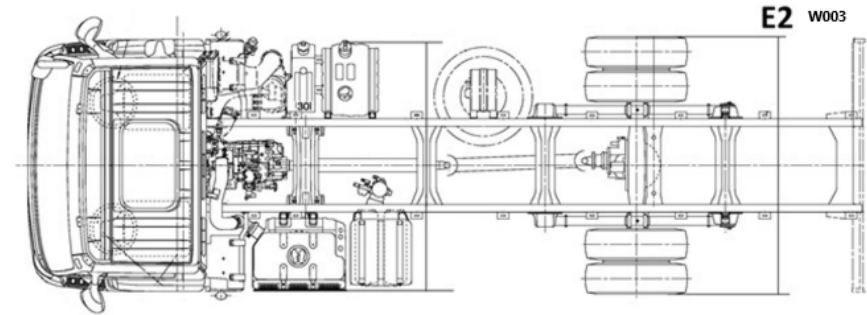
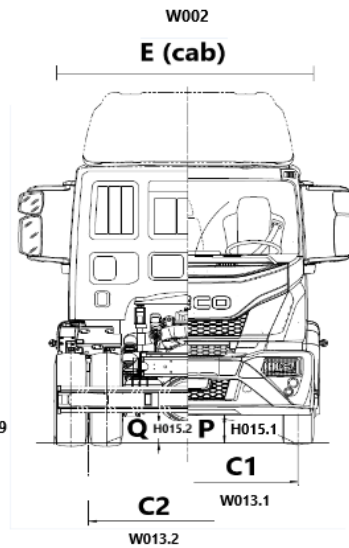
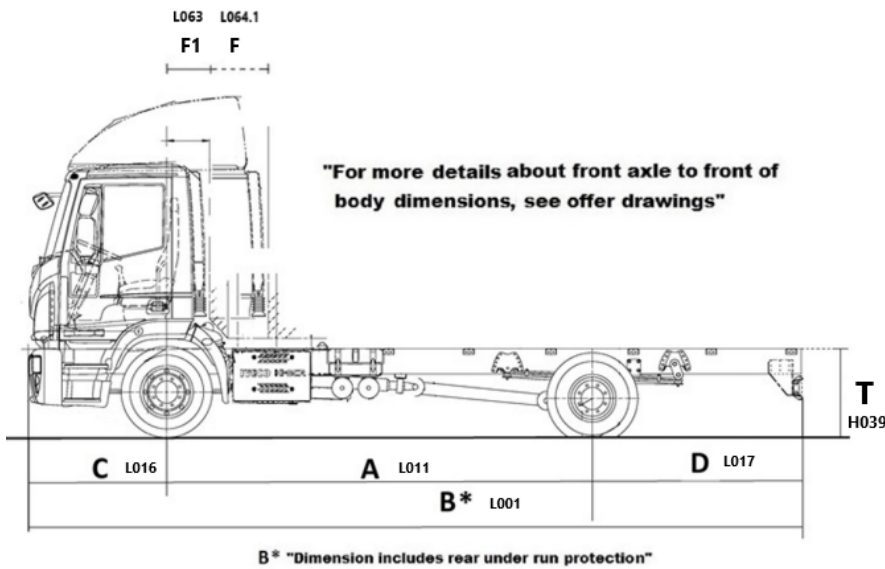
EUROCARGO MLI50E2I

List of linked VCB

| VCB code | Gearbox | Wheelbase | Cabin | Drive |
|----------|-----------|-----------|-----------|-------|
| 2J3AC231 | ZF 8AP800 | 3105 | MLC-NS SX | LH |
| 2J3AC23A | ZF 8AP800 | 3105 | MLC-NS DX | RH |
| 2J3AC2C1 | 6S 800 TO | 3105 | MLC-NS SX | LH |
| 2J3AC2CA | 6S 800 TO | 3105 | MLC-NS DX | RH |
| 2J3AC431 | ZF 8AP800 | 3690 | MLC-NS SX | LH |
| 2J3AC432 | ZF 8AP800 | 3690 | MLL-NS SX | LH |
| 2J3AC43A | ZF 8AP800 | 3690 | MLC-NS DX | RH |
| 2J3AC43B | ZF 8AP800 | 3690 | MLL-NS DX | RH |
| 2J3AC4C1 | 6S 800 TO | 3690 | MLC-NS SX | LH |
| 2J3AC4C2 | 6S 800 TO | 3690 | MLL-NS SX | LH |
| 2J3AC4CA | 6S 800 TO | 3690 | MLC-NS DX | RH |
| 2J3AC4CB | 6S 800 TO | 3690 | MLL-NS DX | RH |
| 2J3AC531 | ZF 8AP800 | 4185 | MLC-NS SX | LH |
| 2J3AC532 | ZF 8AP800 | 4185 | MLL-NS SX | LH |
| 2J3AC53A | ZF 8AP800 | 4185 | MLC-NS DX | RH |
| 2J3AC53B | ZF 8AP800 | 4185 | MLL-NS DX | RH |
| 2J3AC5C1 | 6S 800 TO | 4185 | MLC-NS SX | LH |
| 2J3AC5C2 | 6S 800 TO | 4185 | MLL-NS SX | LH |
| 2J3AC5CA | 6S 800 TO | 4185 | MLC-NS DX | RH |
| 2J3AC5CB | 6S 800 TO | 4185 | MLL-NS DX | RH |
| 2J3AC631 | ZF 8AP800 | 4455 | MLC-NS SX | LH |
| 2J3AC632 | ZF 8AP800 | 4455 | MLL-NS SX | LH |
| 2J3AC63A | ZF 8AP800 | 4455 | MLC-NS DX | RH |
| 2J3AC63B | ZF 8AP800 | 4455 | MLL-NS DX | RH |
| 2J3AC6C1 | 6S 800 TO | 4455 | MLC-NS SX | LH |
| 2J3AC6C2 | 6S 800 TO | 4455 | MLL-NS SX | LH |
| 2J3AC6CA | 6S 800 TO | 4455 | MLC-NS DX | RH |
| 2J3AC6CB | 6S 800 TO | 4455 | MLL-NS DX | RH |
| 2J3AC731 | ZF 8AP800 | 4815 | MLC-NS SX | LH |
| 2J3AC732 | ZF 8AP800 | 4815 | MLL-NS SX | LH |
| 2J3AC73A | ZF 8AP800 | 4815 | MLC-NS DX | RH |
| 2J3AC73B | ZF 8AP800 | 4815 | MLL-NS DX | RH |
| 2J3AC7C1 | 6S 800 TO | 4815 | MLC-NS SX | LH |
| 2J3AC7C2 | 6S 800 TO | 4815 | MLL-NS SX | LH |
| 2J3AC7CA | 6S 800 TO | 4815 | MLC-NS DX | RH |
| 2J3AC7CB | 6S 800 TO | 4815 | MLL-NS DX | RH |
| 2J3AC831 | ZF 8AP800 | 5175 | MLC-NS SX | LH |
| 2J3AC832 | ZF 8AP800 | 5175 | MLL-NS SX | LH |
| 2J3AC83A | ZF 8AP800 | 5175 | MLC-NS DX | RH |
| 2J3AC83B | ZF 8AP800 | 5175 | MLL-NS DX | RH |
| 2J3AC8C1 | 6S 800 TO | 5175 | MLC-NS SX | LH |
| 2J3AC8C2 | 6S 800 TO | 5175 | MLL-NS SX | LH |
| 2J3AC8CA | 6S 800 TO | 5175 | MLC-NS DX | RH |

List of linked VCB

| VCB code | Gearbox | Wheelbase | Cabin | Drive |
|--------------------------|-----------|-----------|-----------|-------|
| 2J3AC8CB | 6S 800 TO | 5175 | MLL-NS DX | RH |
| 2J3AC931 | ZF 8AP800 | 5670 | MLC-NS SX | LH |
| 2J3AC932 | ZF 8AP800 | 5670 | MLL-NS SX | LH |
| 2J3AC93A | ZF 8AP800 | 5670 | MLC-NS DX | RH |
| 2J3AC93B | ZF 8AP800 | 5670 | MLL-NS DX | RH |
| 2J3AC9C1 | 6S 800 TO | 5670 | MLC-NS SX | LH |
| 2J3AC9C2 | 6S 800 TO | 5670 | MLL-NS SX | LH |
| 2J3AC9CA | 6S 800 TO | 5670 | MLC-NS DX | RH |
| 2J3AC9CB | 6S 800 TO | 5670 | MLL-NS DX | RH |
| 2J3ACB31 | ZF 8AP800 | 6570 | MLC-NS SX | LH |
| 2J3ACB32 | ZF 8AP800 | 6570 | MLL-NS SX | LH |
| 2J3ACB3A | ZF 8AP800 | 6570 | MLC-NS DX | RH |
| 2J3ACB3B | ZF 8AP800 | 6570 | MLL-NS DX | RH |
| 2J3ACBC1 | 6S 800 TO | 6570 | MLC-NS SX | LH |
| 2J3ACBC2 | 6S 800 TO | 6570 | MLL-NS SX | LH |
| 2J3ACBCA | 6S 800 TO | 6570 | MLC-NS DX | RH |
| 2J3ACBCB | 6S 800 TO | 6570 | MLL-NS DX | RH |



| | BEP | DIMENSIONS (mm) | | | | | | | | | | | | | | | |
|---|--------|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | | L011 | 3105 MLC | 3690 MLC | 4185 MLC | 4455 MLC | 4815 MLC | 5175 MLC | 5670 MLC | 6570 MLC | 3690 MLL | 4185 MLL | 4455 MLL | 4815 MLL | 5175 MLL | 5670 MLL | 6570 MLL |
| Wheelbase (A) | L011 | | | | | | | | | | | | | | | | |
| Max length (B) | L001 | 5895 | 6907 | 7717 | 8122 | 8752 | 9337 | 10032 | 11537 | 6907 | 7717 | 8122 | 8752 | 9337 | 10032 | 11537 | |
| Distance 1st-2nd axle | L012.1 | 3105 | 3690 | 4185 | 4455 | 4815 | 5175 | 5670 | 6570 | 3690 | 4185 | 4455 | 4815 | 5175 | 5670 | 6570 | |
| Max width over wings (cab) (E) | W002 | 2320 | 2320 | 2320 | 2320 | 2320 | 2320 | 2320 | 2320 | 2320 | 2320 | 2320 | 2320 | 2320 | 2320 | 2320 | |
| Overall width (rear tyres) (E2) | W003 | 2411 | 2411 | 2411 | 2411 | 2411 | 2411 | 2411 | 2411 | 2411 | 2411 | 2411 | 2411 | 2411 | 2411 | 2411 | |
| 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 | 1071 | 1075 | 1076 | 1076 | 1077 | 1076 | 1077 | 1077 | 1077 | 1075 | 1076 | 1076 | 1077 | 1076 | 1077 | 1077 |
| Frame height at front axle, unladen (c+cv) | H035 | 937 | 940 | 939 | 939 | 939 | 938 | 938 | 937 | 940 | 939 | 939 | 939 | 939 | 938 | 938 | 937 |
| Frame height at rear axle, unladen (d+dv) | H037 | 1027 | 1032 | 1031 | 1031 | 1030 | 1029 | 1028 | 1027 | 1032 | 1031 | 1031 | 1030 | 1029 | 1028 | 1027 | |

| BEP | DIMENSIONS (mm) | | | | | | | | | | | | | | | | |
|---|-----------------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | Wheelbase (A) | L011 | 3105 MLC | 3690 MLC | 4185 MLC | 4455 MLC | 4815 MLC | 5175 MLC | 5670 MLC | 6570 MLC | 3690 MLL | 4185 MLL | 4455 MLL | 4815 MLL | 5175 MLL | 5670 MLL | 6570 MLL |
| Front overhang (C) | L016 | 1362 | 1362 | 1362 | 1362 | 1362 | 1362 | 1362 | 1362 | 1362 | 1362 | 1362 | 1362 | 1362 | 1362 | 1362 | 1362 |
| Rear overhang (D) | L019 | 1313 | 1740 | 2055 | 2190 | 2460 | 2685 | 3000 | 3605 | 1740 | 2055 | 2190 | 2460 | 2685 | 3000 | 3605 | |
| Minimum ground clearance (front) (P) | H015.1 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 |
| Minimum ground clearance (rear) (Q) | H016.1 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 |
| Overall height to top of cab, unladen (H) | H001 | 2755 | 2751 | 2750 | 2750 | 2749 | 2748 | 2747 | 2746 | 2751 | 2750 | 2750 | 2749 | 2748 | 2747 | 2746 | |
| Turning diameter kerb to kerb | W011 | 11420 | 13200 | 14720 | 15540 | 16640 | 17740 | 19260 | 22000 | 13200 | 14720 | 15540 | 16640 | 17740 | 19260 | 22000 | |
| Turning diameter wall to wall | W012 | 12580 | 14360 | 15880 | 16720 | 17820 | 18920 | 20440 | 23180 | 14360 | 15880 | 16720 | 17820 | 18920 | 20440 | 23180 | |
| Front track (C1) | W013.1 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 |
| Rear track (C2) | W013.2 | 1818 | 1818 | 1818 | 1818 | 1818 | 1818 | 1818 | 1818 | 1818 | 1818 | 1818 | 1818 | 1818 | 1818 | 1818 | 1818 |
| Approach angle α (°) | H010 | 15 | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 15 | 15 | 15 | 15 | 16 | 16 | 16 | 16 |
| Ramp angle γ (°) | H12 | 28 | 25 | 22 | 22 | 22 | 19 | 18 | 15 | 25 | 22 | 22 | 22 | 19 | 18 | 15 | |
| Departure angle β (°) | H011 | 10 | 8 | 7 | 6 | 5 | 5 | 4 | 4 | 8 | 7 | 6 | 5 | 5 | 4 | 4 | |
| Side members thickness | H033/H034 | 5 | 6 | 6 | 6 | 6.7 | 6.7 | 7.7 | 7.7 | 6 | 6 | 6 | 6.7 | 6.7 | 7.7 | 7.7 | |
| Side members max height | H032 | 250 | 252 | 252 | 252 | 253.4 | 253.4 | 255.4 | 255.4 | 252 | 252 | 252 | 253.4 | 253.4 | 255.4 | 255.4 | |
| Side members flange width | W032 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | |
| Frame width at rear | W036 | 850 | 852 | 852 | 852 | 853.4 | 853.4 | 855.4 | 855.4 | 852 | 852 | 852 | 853.4 | 853.4 | 855.4 | 855.4 | |

| BEP | WEIGHTS (kg) | | | | | | | | | | | | | | | | |
|----------------------------------|--------------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | Wheelbase | L011 | 3105 MLC | 3690 MLC | 4185 MLC | 4455 MLC | 4815 MLC | 5175 MLC | 5670 MLC | 6570 MLC | 3690 MLL | 4185 MLL | 4455 MLL | 4815 MLL | 5175 MLL | 5670 MLL | 6570 MLL |
| Total vehicle kerb weight | M060 | 4362 | 4487 | 4519 | 4536 | 4626 | 4682 | 4764 | 4868 | 4664 | 4696 | 4713 | 4804 | 4858 | 4941 | 5045 | |
| Kerbweight on Front Axle | M090 | 2931 | 2964 | 2980 | 2993 | 3021 | 3035 | 3063 | 3098 | 3106 | 3126 | 3141 | 3172 | 3187 | 3217 | 3255 | |
| Kerbweight on Rear Axle | M100 | 1431 | 1523 | 1539 | 1543 | 1605 | 1647 | 1701 | 1770 | 1558 | 1570 | 1572 | 1632 | 1671 | 1724 | 1790 | |
| G.V.W. (EC) | M002 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 |
| G.V.W. (Design) | M001 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 | 15000 |
| Plated weight on front axle (EC) | M041.1 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 |
| Plated weight on axle 1 (Design) | M040.1 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 | 5300 |
| Plated weight on axle 2 (Design) | M040.2 | 10700 | 10700 | 10700 | 10700 | 10700 | 10700 | 10700 | 10700 | 10700 | 10700 | 10700 | 10700 | 10700 | 10700 | 10700 | 10700 |

| | BEP | | WEIGHTS (kg) | | | | | | | | | | | | | |
|--|--------|----------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Wheelbase | L011 | 3105 MLC | 3690 MLC | 4185 MLC | 4455 MLC | 4815 MLC | 5175 MLC | 5670 MLC | 6570 MLC | 3690 MLL | 4185 MLL | 4455 MLL | 4815 MLL | 5175 MLL | 5670 MLL | 6570 MLL |
| Plated weight on rear axle (EC) | M041.2 | 10700 | 10700 | 10700 | 10700 | 10700 | 10700 | 10700 | 10700 | 10700 | 10700 | 10700 | 10700 | 10700 | 10700 | 10700 |
| Max body & payload (Design) | M110 | 10638 | 10513 | 10481 | 10464 | 10374 | 10318 | 10236 | 10132 | 10336 | 10304 | 10287 | 10196 | 10142 | 10059 | 9955 |

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 |
|-------------|---------------------------------|------------|
| 3105 | Left hand drive vehicle drawing | 5803205224 |
| 3690 | Left hand drive vehicle drawing | 5803205225 |
| 4185 | Left hand drive vehicle drawing | 5803205226 |
| 4455 | Left hand drive vehicle drawing | 5803205227 |
| 4815 | Left hand drive vehicle drawing | 5803205228 |
| 5175 | Left hand drive vehicle drawing | 5803205229 |
| 5670 | Left hand drive vehicle drawing | 5803205230 |
| 6570 | Left hand drive vehicle drawing | 5803205231 |

MLL

| Wheelbase | Type | Drawing |
|-------------|---------------------------------|------------|
| 3690 | Left hand drive vehicle drawing | 5803205225 |
| 4185 | Left hand drive vehicle drawing | 5803205226 |
| 4455 | Left hand drive vehicle drawing | 5803205227 |
| 4815 | Left hand drive vehicle drawing | 5803205228 |
| 5175 | Left hand drive vehicle drawing | 5803205229 |
| 5670 | Left hand drive vehicle drawing | 5803205230 |

MLL

| Wheelbase | Type | Drawing |
|------------------|---------------------------------|----------------|
| 6570 | Left hand drive vehicle drawing | 5803205231 |

MLC / MLL

| Wheelbase | Type | Drawing |
|------------------|---------------------------------|----------------|
| 3690 | Left hand drive vehicle drawing | 5803205225 |
| 4185 | Left hand drive vehicle drawing | 5803205226 |
| 4455 | Left hand drive vehicle drawing | 5803205227 |
| 4815 | Left hand drive vehicle drawing | 5803205228 |
| 5175 | Left hand drive vehicle drawing | 5803205229 |
| 5670 | Left hand drive vehicle drawing | 5803205230 |
| 6570 | Left hand drive vehicle drawing | 5803205231 |

Model Components

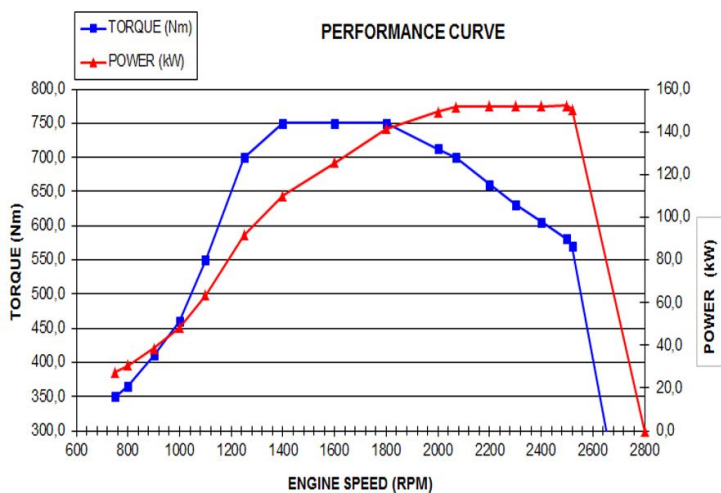
Engine

| | |
|------------------------------------|-----------------------------|
| Identification Code | F4AFE41 I |
| Position | FRONT |
| Manufacturer | FPT Industrial |
| Commercial name | TECTOR 5 |
| Cycle | diesel |
| Aspiration type | TC+AFTERCOOLER |
| Injection type | Bosch CP3.3 |
| 4 Stroke / 2 Stroke cycle | 4 stroke |
| No. of cylinders | 4 |
| Cylinders layout | in line |
| Bore mm | 104 |
| Stroke mm | 132 |
| Total displacement cm ³ | 4,5 |
| Exhaust gas treatment | DOC + DPF SCR+CUC |
| Weight (without oil / water) Kg | 397 |
| Oil capacity (l) | 8.4 |
| Dry mass of compressor | 225/360 cm3 |
| Efficiency engine and driveline | DIESEL OIL |
| Injection system | electronic common rail |
| Injection governor type | Bosch MDI CE101 |
| Cold starting type | THERMOSTARTER |
| Type of turbocharging | fix geometry with wastegate |
| Emissions control | EURO VI E |
| Speed limiter (Km/h) | 90 |
| Engine brake power (kW) | 67 |
| Engine brake power (HP) | 91 |
| Engine brake (rpm) | 2800 rpm |
| Sound level compatible | UN/ECE 51R |
| GreenZone min | 1000 |
| GreenZone max | 2100 |
| No. of tanks | 1 |
| Tank position | RIGHT SIDE |
| Cooling system | liquid |
| Filter type | DRY |



Notes :

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



210 T5 - Tector 5 (750 Nm) 4,5 lt - 4L

Maximum power: 152 kW (210 HP) @ 2500 rpm

Maximum torque: 76 Kgm (750 Nm) @ 1400 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 |
|------------------|------------------------|----------------|-----------------|-------------------|---------------|---------------------|----------------------|----------------------|----------------------|
| 6S 800 TO | MANUAL SYNCHRONIZED | ENGINE FLANGED | ALUMINIUM ALLOY | 8.44 | 124 | 850 | 6 | 1 | 6 |
| ZF 8AP800 | AUTOMATIC | ENGINE FLANGED | ALUMINIUM ALLOY | 7.65 | 170 | 800 | 8 | 1 | -- |

Gear ratios

| Gearbox model | 1st | 2nd | 3rd | 4th | 5th | 6th | 7th | 8th | rev. 1st |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| 6S 800 TO | 6.58 | 3.6 | 2.12 | 1.39 | 1 | 0.78 | | | 6.06 |
| ZF 8AP800 | 4.890 | 3.123 | 2.033 | 1.639 | 1.254 | 1.000 | 0.840 | 0.639 | 4.250 |

Rear Axle Ratio

| Option code | 00739 | 03010 | 06014 | 08171 * | 08999 | 14521 | 14564 | 72935 |
|--------------|-------|-------|-------|---------|-------|-------|-------|-------|
| Ratio | 6.17 | 3.4 | 4.5 | 5.14 | 3.78 | 3.09 | 5.67 | 4.13 |

*: Standard axle ratio

Tyres & Wheels

| Code | Tyres | Front | Rear | Load index | Rolling circumference m |
|--------------|----------|-------------|-------------|------------|-------------------------|
| 20076 | Standard | 285/70R19,5 | 285/70R19,5 | 146/144 | 2.73 |
| 20494 | Optional | 305/70R19,5 | 305/70R19,5 | 146/144 | 2.815 |
| 20370 | Optional | 11R22,5 | 11R22,5 | 148/144 | 3.202 |

Axles

| Position | Description |
|--------------|---|
| Front | 5860 CL - Iveco axle - large track |
| Rear | MS11-154 - Arvin Meritor rear axle - 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 %

Model Components

Tyre: 20076 - 285/70R19.5 - Regional

Efficiency: 0.93

No transfer box

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 | |
|------------|---------------|---------------|---------------|---------------|----------------|----------------|-------|------|-------|------|
| | | | | | | | 15000 | | 18500 | |
| | | | | | | | 1° | 6° | 1° | 6° |
| 3.09 | 6.58 | 0.78 | 20.14 | 169.90 | 1176 | 1323 | 22.08 | 0.92 | 17.64 | 0.64 |
| 3.4 | 6.58 | 0.78 | 18.30 | 154.41 | 1294 | 1455 | 24.49 | 1.38 | 19.54 | 1.01 |
| 3.78 | 6.58 | 0.78 | 16.46 | 138.89 | 1438 | 1618 | 27.50 | 1.88 | 21.89 | 1.42 |
| 4.13 | 6.58 | 0.78 | 15.07 | 127.12 | 1571 | 1768 | 30.33 | 2.30 | 24.09 | 1.76 |
| 4.5 | 6.58 | 0.78 | 13.83 | 116.67 | 1712 | 1926 | 33.40 | 2.72 | 26.45 | 2.09 |
| 5.14 | 6.58 | 0.78 | 12.11 | 102.14 | 1956 | 2200 | 38.92 | 3.39 | 30.64 | 2.63 |
| 5.67 | 6.58 | 0.78 | 10.98 | 92.59 | 2157 | 2427 | 43.73 | 3.91 | 34.22 | 3.06 |
| 6.17 | 6.58 | 0.78 | 10.09 | 85.09 | 2348 | 2641 | 48.52 | 4.39 | 37.71 | 3.45 |

Gearbox model ZF 8AP800

| 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 | |
|------------|---------------|---------------|---------------|---------------|----------------|----------------|-------|------|-------|------|
| | | | | | | | 15000 | | 18500 | |
| | | | | | | | 1° | 8° | 1° | 8° |
| 3.09 | 4.890 | 0.639 | 27.10 | 207.39 | 963 | 1084 | 16.06 | 0.00 | 12.85 | 0.00 |
| 3.4 | 4.890 | 0.639 | 24.63 | 188.48 | 1060 | 1192 | 17.79 | 0.41 | 14.23 | 0.22 |
| 3.78 | 4.890 | 0.639 | 22.15 | 169.54 | 1178 | 1326 | 19.93 | 0.93 | 15.93 | 0.65 |
| 4.13 | 4.890 | 0.639 | 20.28 | 155.17 | 1287 | 1448 | 21.92 | 1.36 | 17.51 | 0.99 |
| 4.5 | 4.890 | 0.639 | 18.61 | 142.41 | 1403 | 1578 | 24.05 | 1.77 | 19.19 | 1.32 |
| 5.14 | 4.890 | 0.639 | 16.29 | 124.68 | 1602 | 1803 | 27.82 | 2.40 | 22.14 | 1.83 |
| 5.67 | 4.890 | 0.639 | 14.77 | 113.02 | 1767 | 1988 | 31.02 | 2.87 | 24.62 | 2.22 |
| 6.17 | 4.890 | 0.639 | 13.57 | 103.86 | 1923 | 2164 | 34.12 | 3.30 | 27.00 | 2.56 |

Suspensions

Front mechanical suspension :
No. of leaves: 2
Rear mechanical suspension :
No. of leaves: 3+1

Battery

Electrics

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

Cabin

Model Components



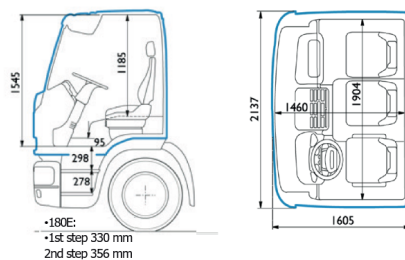
Day Cab Interior:

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 storageshef 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. 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.

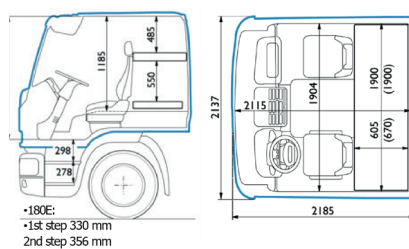
Day Cab Exterior:

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 tyre pressure loss to help avoid tyre blow out and avoid abnormal fuel consumption

- **Blind Spot Information System (BSIS):**

helps to avoid collisions with Vulnerable 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 Vulnerable 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 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**

- **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 : 120 LT, plastic; filter; fuel pump, prefilter, fuel separator.

Adblue tank capacity: 30 l.

Braking system

Disc Brakes :

Diameter : front 377 x 45 mm ventilated disc.

rear 377 x 45 mm ventilated disc.

Surface area : 602 cm²

TypeAir. Two independent circuits.

Service brake.....ABS+ASR+EVSC

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

Exhaust brake.....Standard.

Air drier.....Standard.

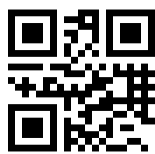
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