

NEW EURO CARGO

TECHNICAL DESCRIPTION
EURO 3 M.Y.



ML I80E28-E3 - Chassis Cab 4x2

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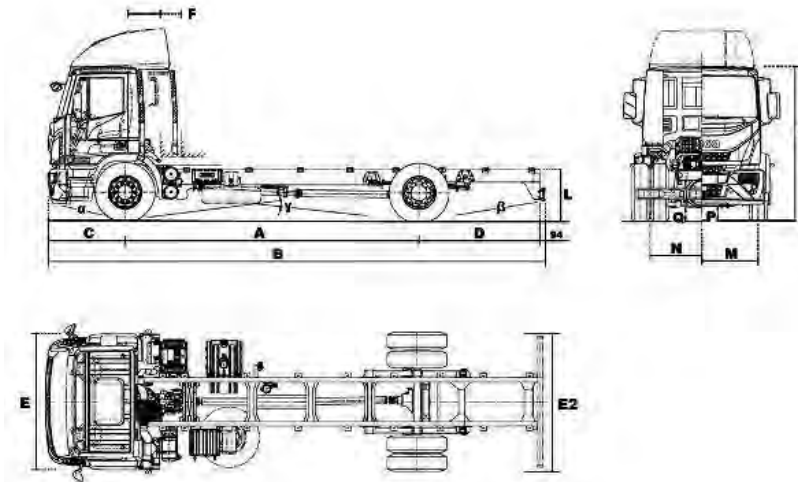
LIST OF LINKED VCB

| VCB code | Gearbox | Wheelbase | Cabin | Drive |
|-----------------|----------------|------------------|--------------|--------------|
| Z8NYC4C1 | 6S 1000 TO | 3690 | MLC-NM SX | LH |
| Z8NYC4F1 | 9S 1110 TO | 3690 | MLC-NM SX | LH |
| Z8NYC4T1 | 3000 | 3690 | MLC-NM SX | LH |
| Z8NYC5C1 | 6S 1000 TO | 4185 | MLC-NM SX | LH |
| Z8NYC5C2 | 6S 1000 TO | 4185 | MLL-NM SX | LH |
| Z8NYC5F1 | 9S 1110 TO | 4185 | MLC-NM SX | LH |
| Z8NYC5F2 | 9S 1110 TO | 4185 | MLL-NM SX | LH |
| Z8NYC5T1 | 3000 | 4185 | MLC-NM SX | LH |
| Z8NYC5T2 | 3000 | 4185 | MLL-NM SX | LH |
| Z8NYC6C1 | 6S 1000 TO | 4590 | MLC-NM SX | LH |
| Z8NYC6C2 | 6S 1000 TO | 4590 | MLL-NM SX | LH |
| Z8NYC6F1 | 9S 1110 TO | 4590 | MLC-NM SX | LH |
| Z8NYC6F2 | 9S 1110 TO | 4590 | MLL-NM SX | LH |
| Z8NYC6T1 | 3000 | 4590 | MLC-NM SX | LH |
| Z8NYC6T2 | 3000 | 4590 | MLL-NM SX | LH |
| Z8NYC7C1 | 6S 1000 TO | 4815 | MLC-NM SX | LH |
| Z8NYC7C2 | 6S 1000 TO | 4815 | MLL-NM SX | LH |
| Z8NYC7F1 | 9S 1110 TO | 4815 | MLC-NM SX | LH |
| Z8NYC7F2 | 9S 1110 TO | 4815 | MLL-NM SX | LH |
| Z8NYC7T1 | 3000 | 4815 | MLC-NM SX | LH |
| Z8NYC7T2 | 3000 | 4815 | MLL-NM SX | LH |
| Z8NYC8C1 | 6S 1000 TO | 5175 | MLC-NM SX | LH |
| Z8NYC8C2 | 6S 1000 TO | 5175 | MLL-NM SX | LH |
| Z8NYC8F1 | 9S 1110 TO | 5175 | MLC-NM SX | LH |
| Z8NYC8F2 | 9S 1110 TO | 5175 | MLL-NM SX | LH |
| Z8NYC8T1 | 3000 | 5175 | MLC-NM SX | LH |
| Z8NYC8T2 | 3000 | 5175 | MLL-NM SX | LH |
| Z8NYC9C1 | 6S 1000 TO | 5670 | MLC-NM SX | LH |
| Z8NYC9C2 | 6S 1000 TO | 5670 | MLL-NM SX | LH |
| Z8NYC9F1 | 9S 1110 TO | 5670 | MLC-NM SX | LH |
| Z8NYC9F2 | 9S 1110 TO | 5670 | MLL-NM SX | LH |
| Z8NYC9T1 | 3000 | 5670 | MLC-NM SX | LH |
| Z8NYC9T2 | 3000 | 5670 | MLL-NM SX | LH |
| Z8NYCAC1 | 6S 1000 TO | 6210 | MLC-NM SX | LH |
| Z8NYCAC2 | 6S 1000 TO | 6210 | MLL-NM SX | LH |
| Z8NYCAF1 | 9S 1110 TO | 6210 | MLC-NM SX | LH |
| Z8NYCAF2 | 9S 1110 TO | 6210 | MLL-NM SX | LH |
| Z8NYCAT1 | 3000 | 6210 | MLC-NM SX | LH |
| Z8NYCAT2 | 3000 | 6210 | MLL-NM SX | LH |
| Z8NYCBC1 | 6S 1000 TO | 6570 | MLC-NM SX | LH |
| Z8NYCBC2 | 6S 1000 TO | 6570 | MLL-NM SX | LH |
| Z8NYCBF1 | 9S 1110 TO | 6570 | MLC-NM SX | LH |
| Z8NYCBF2 | 9S 1110 TO | 6570 | MLL-NM SX | LH |

LIST OF LINKED VCB

| | | | | |
|----------|------|------|-----------|----|
| Z8NYCBT1 | 3000 | 6570 | MLC-NM SX | LH |
| Z8NYCBT2 | 3000 | 6570 | MLL-NM SX | LH |

DIMENSIONS & WEIGHTS



DIMENSIONS (MM)

| | | | | | | | | | | | | | | | |
|--|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Wheelbase (A) | 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) | 6279 | 6954 | 7696 | 8124 | 8754 | 9361 | 9901 | 10801 | 6954 | 7696 | 8124 | 8754 | 9361 | 9901 | 10801 |
| Max width over wings (cab) (E) | 2390 | 2390 | 2390 | 2390 | 2390 | 2390 | 2390 | 2390 | 2390 | 2390 | 2390 | 2390 | 2390 | 2390 | 2390 |
| Overall width (rear tyres) (E2) | 2470 | 2470 | 2470 | 2470 | 2470 | 2470 | 2470 | 2470 | 2470 | 2470 | 2470 | 2470 | 2470 | 2470 | 2470 |
| Front axle to back of cab - including filter (F) | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 | 620 |
| Front axle to front of body (H) | | | | | | | | | | 985 | 985 | 985 | 985 | 985 | 985 |
| Frame height at end of frame, unladen (L) | 1081 | 1081 | 1084 | 1085 | 1085 | 1084 | 1081 | 1083 | 1082 | 1085 | 1086 | 1087 | 1085 | 1082 | 1084 |
| Frame height at front axle, unladen | 1025 | 1022 | 1022 | 1021 | 1020 | 1018 | 1017 | 1016 | 1018 | 1018 | 1017 | 1016 | 1014 | 1012 | 1012 |
| Frame height at rear axle, unladen | 1068 | 1067 | 1067 | 1067 | 1066 | 1065 | 1064 | 1063 | 1067 | 1067 | 1067 | 1066 | 1065 | 1064 | 1063 |
| Front overhang (C) | 1362 | 1362 | 1362 | 1362 | 1362 | 1362 | 1362 | 1362 | 1362 | 1362 | 1362 | 1362 | 1362 | 1362 | 1362 |
| Rear overhang (D) | 1133 | 1313 | 1650 | 1853 | 2123 | 2235 | 2235 | 2775 | 1313 | 1650 | 1853 | 2123 | 2235 | 2235 | 2775 |
| Minimum ground clearance (front) (P) | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 | 235 |
| Minimum ground clearance (rear) (Q) | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 | 232 |

| | | | | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Overall height to top of cab, unladen (K) | 2845 | 2842 | 2842 | 2841 | 2840 | 2838 | 2837 | 2836 | 2838 | 2838 | 2837 | 2836 | 2834 | 2833 | 2832 |
| Turning diameter kerb to kerb | 13190 | 14690 | 15920 | 16600 | 17700 | 19200 | 20800 | 21900 | 14690 | 15920 | 16600 | 17700 | 19200 | 20800 | 21900 |
| Turning diameter wall to wall | 14390 | 15900 | 17130 | 17810 | 18910 | 20420 | 22110 | 23210 | 15900 | 17130 | 17810 | 18910 | 20420 | 22110 | 23210 |
| Front track (M) | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 | 1985 |
| Rear track (N) | 1820 | 1820 | 1820 | 1820 | 1820 | 1820 | 1820 | 1820 | 1820 | 1820 | 1820 | 1820 | 1820 | 1820 | 1820 |
| Approach angle α (°) | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 12 | 12 | 12 | 12 | 12 | 12 | 13 | 12 |
| Departure angle β (°) | 16 | 14 | 12 | 10 | 9 | 9 | 9 | 7 | 14 | 12 | 10 | 9 | 9 | 9 | 7 |
| Departure angle β * (°) | 13 | 11 | 9 | 8 | 7 | 7 | 6 | 6 | 11 | 9 | 8 | 7 | 7 | 6 | 6 |
| Ramp angle γ (°) | 19 | 16 | 15 | 14 | 13 | 12 | 12 | 11 | 16 | 15 | 14 | 13 | 12 | 12 | 11 |
| Side members thickness | 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 | 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 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| Frame width at rear | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 | 840 |

WEIGHTS (KG)

| Wheelbase | 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 | 5320 | 5430 | 5440 | 5490 | 5540 | 5655 | 5755 | 6815 | 5560 | 5570 | 5620 | 5670 | 5785 | 5885 | 5945 |
| Kerbweight on Front Axle | 3430 | 3510 | 3520 | 3550 | 3575 | 3635 | 3670 | 3690 | 3625 | 3635 | 3665 | 3695 | 3755 | 3790 | 3810 |
| Kerbweight on Rear Axle | 1890 | 1920 | 1920 | 1940 | 1965 | 2020 | 2085 | 2125 | 1935 | 1935 | 1955 | 1975 | 2030 | 2095 | 2135 |
| G.V.W. (EC) | 18000 | 18000 | 18000 | 18000 | 18000 | 18000 | 18000 | 18000 | 18000 | 18000 | 18000 | 18000 | 18000 | 18000 | 18000 |
| G.V.W. (Design) | 18000 | 18000 | 18000 | 18000 | 18000 | 18000 | 18000 | 18000 | 18000 | 18000 | 18000 | 18000 | 18000 | 18000 | 18000 |
| Plated weight on front axle (EC) | 7100 | 7100 | 7100 | 7100 | 7100 | 7100 | 7100 | 7100 | 7100 | 7100 | 7100 | 7100 | 7100 | 7100 | 7100 |
| Plated weight on front axle (Design) | 7100 | 7100 | 7100 | 7100 | 7100 | 7100 | 7100 | 7100 | 7100 | 7100 | 7100 | 7100 | 7100 | 7100 | 7100 |
| Plated weight on rear axle(s) (EC) | 11500 | 11500 | 11500 | 11500 | 11500 | 11500 | 11500 | 11500 | 11500 | 11500 | 11500 | 11500 | 11500 | 11500 | 11500 |
| Plated weight on rear axle(s) (Design) | 11500 | 11500 | 11500 | 11500 | 11500 | 11500 | 11500 | 11500 | 11500 | 11500 | 11500 | 11500 | 11500 | 11500 | 11500 |
| Max body & payload (Design) | 12680 | 12570 | 12560 | 12510 | 12460 | 12345 | 12245 | 11185 | 12440 | 12430 | 12380 | 12330 | 12215 | 12115 | 12055 |

| MLC | | |
|-----------|-----------------|------------|
| Wheelbase | Type | Drawing |
| 3690 | Left hand drive | 5802257660 |
| 4185 | Left hand drive | 5802257661 |
| 4590 | Left hand drive | 5802257662 |
| 4815 | Left hand drive | 5802257663 |
| 5175 | Left hand drive | 5802257664 |
| 5670 | Left hand drive | 5802257665 |
| 6210 | Left hand drive | 5802542152 |
| 6570 | Left hand drive | 5802257667 |

| MLL | | |
|-----------|-----------------|------------|
| Wheelbase | Type | Drawing |
| 4185 | Left hand drive | 5802257661 |
| 4590 | Left hand drive | 5802257662 |
| 4815 | Left hand drive | 5802257663 |
| 5175 | Left hand drive | 5802257664 |
| 5670 | Left hand drive | 5802257665 |
| 6210 | Left hand drive | 5802542152 |
| 6570 | Left hand drive | 5802257667 |

Notes : Weights are standard configuration and include: chassis cab, driver (75 Kg.), full fuel tank, oils,tools kit and spare wheel

(if present). The values of GVW / GCW can vary according to the markets and the homologations. The height of the side

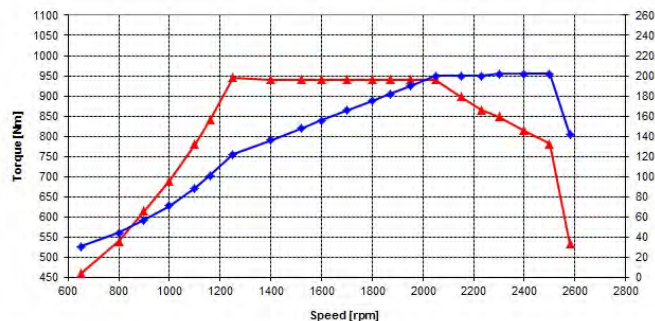
member includes the thickness as well.

MODEL COMPONENTS

ENGINE

| | |
|------------------------------------|--------------------------------|
| Manufacturer | IVECO |
| Commercial name | TECTOR |
| Position | FRONT |
| Cycle | DIESEL |
| Aspiration type | TC+AFTERCOOLER |
| Injection type | DIRECT |
| 4 Stroke / 2 Stroke cycle | 4 |
| No. of cylinders | 6 |
| Cylinders layout | IN-LINE |
| Valves per cylinder | 4 |
| Bore mm | 102 |
| Stroke mm | 120 |
| Total displacement cm ³ | 5880 |
| Weight (without oil / water) Kg | 510 |
| Oil capacity (l) | 11.8 |
| Type of fuel | DIESEL OIL |
| Injection system | HIGH PRESSURE / COMMON RAIL |
| Injection governor type | ELECTRONIC INTEGRATED WITH ECU |
| Cold starting type | THERMOSTARTER |
| Emissions control | EURO3 |
| Speed limiter (Km/h) | 90 |
| Cruise control | All Speeds |
| Engine brake power (kW) | 150 |
| Engine brake (rpm) | 3200 |
| Cooling system | water |
| Fan type | viscstatic |
| Air intake | WITH SNORKEL |
| Snorkel position | Behind the cab, left side |
| Filter type | Dry - Heated |
| Air filter position | Behind the cabin |

F4A 6 cylinder 202 kW rating



280 E3 - Motore Tector6 - 5,9 l - 202Kw

Maximum power: 202 kW (275 HP) @ 2500 rpm

Maximum torque: 930 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 | 5 | 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 |

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 | | | | | 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 | | | | | | | | | |

CLUTCH

| Gearbox model | 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 |

3000 Automatic gearbox:

* 300 kg with Hydraulic Retarder

| | | |
|---------|-------|---------------------|
| HP | Model | Stall Torque Ratio: |
| 220/250 | TC415 | 2,35 |

REAR AXLE RATIO

| Option code | 00015 * | 00737 | 00738 * | 00739 |
|-------------|---------|-------|---------|-------|
| Ratio | 5.29 | 4.11 | 4.63 | 6.17 |

*: Standard axle ratio

TYRES & WHEELS

| Code | Tyres | Front | Rear | Load index | Rolling circumference m |
|-------|----------|-------------|-------------|------------|-------------------------|
| 20498 | Standard | 295/80R22,5 | 295/80R22,5 | 152/148 | 3.184 |
| 20137 | Optional | 315/70R22,5 | 315/70R22,5 | 154/150 | 3.09 |
| 20146 | Optional | 315/80R22,5 | 315/80R22,5 | 156/150 | 3.28 |
| 20795 | Optional | 315/80R22,5 | 315/80R22,5 | 156/150 | 3.28 |
| 20143 | Optional | 295/80R22,5 | 295/80R22,5 | 152/148 | 3.184 |
| 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 |
| 20041 | Optional | 315/60R22,5 | 315/60R22,5 | 152/148 | 2.88 |
| 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.

Speed and gradeability values are rounded.

A = Total Weights (solo vehicle) Kg - Max Gradeability %

B = Total Weights (vehicle+trailer) Kg - Max Gradeability %

Tyre: 20498 - TYRES 295/80R22,5-152-FAST ON Efficiency: 0.85 No transfer box

Gearbox model 3000

| Axle Ratio | Gear Ratio 1° | Gear Ratio 5° | Speed km/h 1° | Speed km/h 5° | RPM at 80 km/h | RPM at 90 km/h | A | | B | |
|------------|---------------|---------------|---------------|---------------|----------------|----------------|-------|------|-------|------|
| | | | | | | | 18000 | | 21500 | |
| | | | | | | | 1° | 5° | 1° | 5° |
| 4.11 | 3.49 | 0.75 | 33.30 | 154.94 | 1290 | 1451 | 12.12 | 1.50 | 10.03 | 1.16 |
| 4.63 | 3.49 | 0.75 | 29.56 | 137.54 | 1453 | 1635 | 13.77 | 1.98 | 11.40 | 1.56 |
| 5.29 | 3.49 | 0.75 | 25.87 | 120.38 | 1661 | 1868 | 15.88 | 2.53 | 13.15 | 2.02 |
| 6.17 | 3.49 | 0.75 | 22.18 | 103.21 | 1937 | 2179 | 18.72 | 3.21 | 15.49 | 2.59 |

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 | | B | |
|------------|---------------|---------------|---------------|---------------|----------------|----------------|-------|------|-------|------|
| | | | | | | | 18000 | | 21500 | |
| | | | | | | | 1° | 6° | 1° | 6° |
| 4.11 | 6.75 | 0.78 | 17.22 | 148.98 | 1342 | 1510 | 24.60 | 1.66 | 20.31 | 1.29 |
| 4.63 | 6.75 | 0.78 | 15.28 | 132.25 | 1512 | 1701 | 28.03 | 2.14 | 23.09 | 1.69 |
| 5.29 | 6.75 | 0.78 | 13.38 | 115.75 | 1727 | 1943 | 32.52 | 2.70 | 26.70 | 2.16 |
| 6.17 | 6.75 | 0.78 | 11.47 | 99.24 | 2014 | 2266 | 38.80 | 3.40 | 31.66 | 2.75 |

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 | | 21500 | |
| | | | | | | | 1° | 9° | 1° | 9° |
| 4.11 | 9.48 | 0.75 | 12.26 | 154.94 | 1290 | 1451 | 35.91 | 1.50 | 29.39 | 1.16 |
| 4.63 | 9.48 | 0.75 | 10.88 | 137.54 | 1453 | 1635 | 41.28 | 1.98 | 33.59 | 1.56 |
| 5.29 | 9.48 | 0.75 | 9.52 | 120.38 | 1661 | 1868 | 48.56 | 2.53 | 39.17 | 2.02 |
| 6.17 | 9.48 | 0.75 | 8.17 | 103.21 | 1937 | 2179 | 59.36 | 3.21 | 47.14 | 2.59 |

Tyre: 20498 - TYRES 295/80R22,5-152-FAST ON Efficiency: 0.93 No transfer box

Gearbox model 3000

| Axle Ratio | Gear Ratio 1° | Gear Ratio 5° | Speed km/h 1° | Speed km/h 5° | RPM at 80 km/h | RPM at 90 km/h | A | | B | |
|------------|---------------|---------------|---------------|---------------|----------------|----------------|-------|------|-------|------|
| | | | | | | | 18000 | | 21500 | |
| | | | | | | | 1° | 5° | 1° | 5° |
| 4.11 | 3.49 | 0.75 | 33.30 | 154.94 | 1290 | 1451 | 13.35 | 1.76 | 11.04 | 1.37 |
| 4.63 | 3.49 | 0.75 | 29.56 | 137.54 | 1453 | 1635 | 15.16 | 2.27 | 12.55 | 1.80 |
| 5.29 | 3.49 | 0.75 | 25.87 | 120.38 | 1661 | 1868 | 17.48 | 2.86 | 14.47 | 2.30 |
| 6.17 | 3.49 | 0.75 | 22.18 | 103.21 | 1937 | 2179 | 20.61 | 3.60 | 17.05 | 2.91 |

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 | | B | |
|------------|---------------|---------------|---------------|---------------|----------------|----------------|-------|------|-------|------|
| | | | | | | | 18000 | | 21500 | |
| | | | | | | | 1° | 6° | 1° | 6° |
| 4.11 | 6.75 | 0.78 | 17.22 | 148.98 | 1342 | 1510 | 27.14 | 1.92 | 22.37 | 1.51 |
| 4.63 | 6.75 | 0.78 | 15.28 | 132.25 | 1512 | 1701 | 30.97 | 2.44 | 25.46 | 1.94 |
| 5.29 | 6.75 | 0.78 | 13.38 | 115.75 | 1727 | 1943 | 36.02 | 3.04 | 29.48 | 2.45 |
| 6.17 | 6.75 | 0.78 | 11.47 | 99.24 | 2014 | 2266 | 43.17 | 3.80 | 35.06 | 3.08 |

MODEL COMPONENTS

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 | | 21500 | |
| | | | | | | | 1° | 9° | 1° | 9° |
| 4.11 | 9.48 | 0.75 | 12.26 | 154.94 | 1290 | 1451 | 39.87 | 1.76 | 32.50 | 1.37 |
| 4.63 | 9.48 | 0.75 | 10.88 | 137.54 | 1453 | 1635 | 46.01 | 2.27 | 37.24 | 1.80 |
| 5.29 | 9.48 | 0.75 | 9.52 | 120.38 | 1661 | 1868 | 54.49 | 2.86 | 43.59 | 2.30 |
| 6.17 | 9.48 | 0.75 | 8.17 | 103.21 | 1937 | 2179 | 67.43 | 3.60 | 52.82 | 2.91 |

SUSPENSIONS

Front parabolic suspension :

No. of leaves: 4

Rear parabolic suspension :

No. of leaves: 2 + 1

ML DAY CAB MY2015

CAB EXTERIOR

Day cab and *sleeper cab :

Forward control cab.

Illuminated steps.

New front grid, new front bumper, new badging.

Pressed steel construction with SMC for vulnerable parts.

External sun visor as option.

Integrated sun visors filter as option (the integrated sun visors filter has been developed as alternative to the external sun visor in order to guarantee to the driver the same protection from the sun with a lower impact on CX factor and consequent reduced fuel consumption).

New handle with an improved ergonomics.

New side deflectors improving air flow keeping door handle clean.

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)

Cab height:

From ML110EL.. up to ML120EL.: 1 step

from ML120E.. up to ML180E.. and 4x4 models: 2 steps

Fully suspended cab (helical springs and dampers). Reinforced cab suspensions on 4x4 and ML150E..H /ML170E..H models.

Manual or servo assisted tilt to 60 degrees.

Sound and thermal insulation, bumper with integrated headlamps (standard in **plastic** for 4x2 - standard in **steel** for 4x4), spray suppression, 2-speed windscreen with intermittent function. Hood can be raised for daily checks.

Led Day Running Lights (available as option on all the models, except for 4x4 - ML150E..H - ML170E..H and chassiscowl models).

Xenon head lamps (available as option on all the models).

CAB INTERIOR

New standard contains:

New dashboard mold colour.

New light control switch.

New automatic and automated gearbox controls.

New central tunnel module with cup holders, 12 V plug, and ashtray cup.

New door panel (RHD only).

New seats trim.

New instrument Cluster.

Highline Cluster.

New steering wheel.

Two USB plugs.

MODEL COMPONENTS

New clima control switches.
New cards/coins holders.

Furthermore: overhead lockers with doors. Glove box. Four speed fan. All gauges monitored using international symbols. Column mounted control stalks. Overhead console for radio and CB. Digital monochrome display, radio preparation (cabling, speaker and aerial), D/N/R buttons for automatic & automated gearbox with manual override on steering column stalk. Dashboard gear lever for manual box. Body builder plug, Adjustable steering wheel. Electric windows. Smocking kit.

Available options:

Arm rest (for air suspended seats only).
High comfort driver seat.
Three way adjustable driver seat, dual fixed passenger seat.
Air compressor plug.
Immobiliser.
Central locking with remote control.
Additional cab heater.

Furthermore:

Day Cab standard contains:

Rear wall rail with hooks for clothes. Windowless rear wall with document net.

Available options for Day Cab:

New mobile office with integrated led light (2 seats configuration). Rear windows.

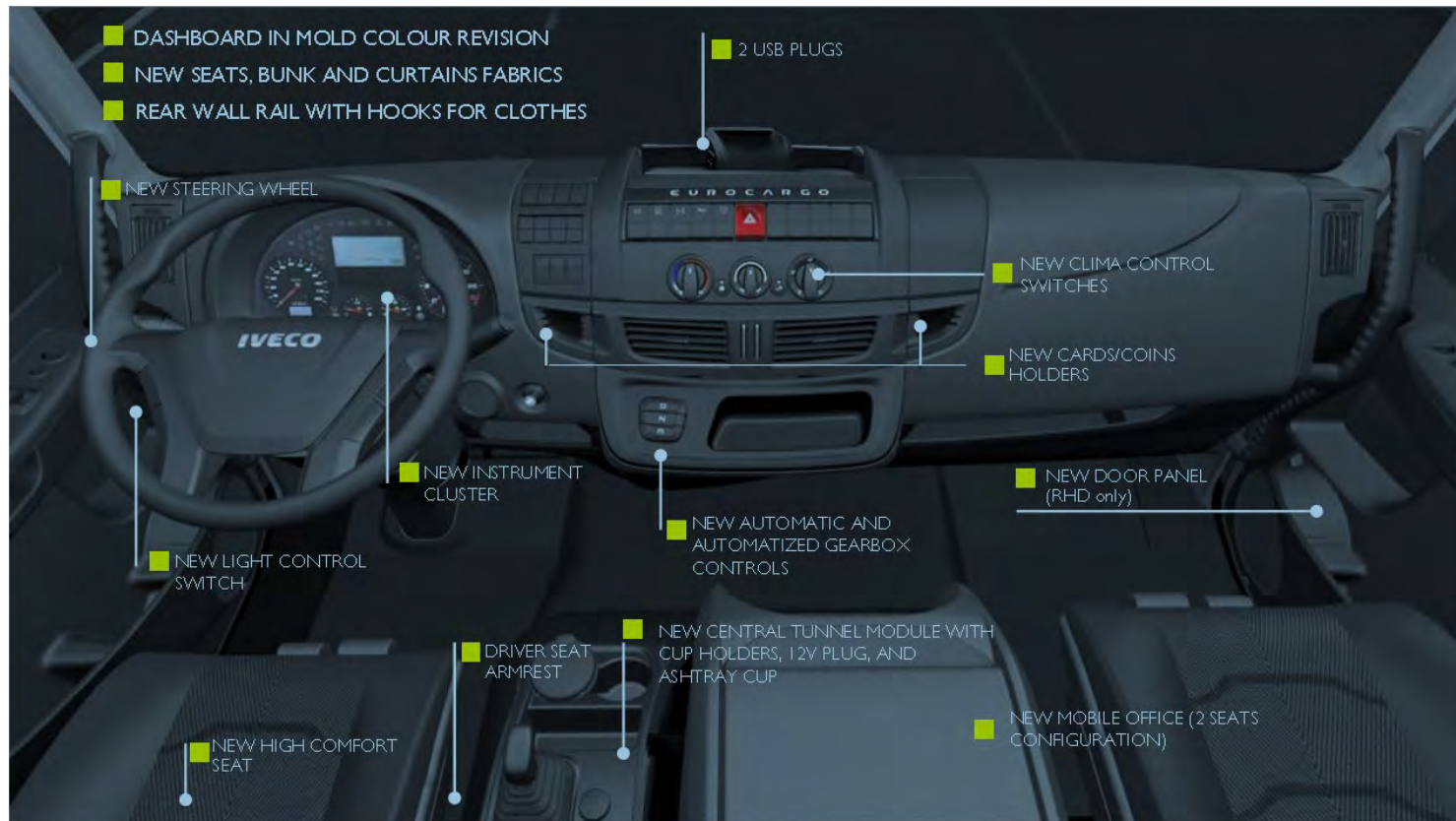
Sleeper Cab standard contains:

Courtesy and map reading lights. Bunk.

Available options for Sleeper Cab:

High roof. Additional bunk.

***Please be aware that the Sleeper cab is not available on road sweeper models**



MODEL COMPONENTS

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)

MISCELLANEOUS

Fuelling :

Fuel tank 115 litres , plastic.

Disc Brake :

Diameter :
front 432 x 45 mm ventilated disc.
Friction area x wheel : 408 cm²
rear 432 x 45 mm ventilated disc.
Friction area x wheel : 408 cm²

Braking system :

Type : Full air. Two independent circuits.
Service brake : ABS + EBL (ESP as on option).
Parking : Spring parking brake on rear axle.
Emergency : Combined with parking brake.
Air reservoirs : 2 x 20 litres, steel (25 litres for vehicle with air suspensions).
Exhaust brake : Standard.
Air compressor : 225 cc single cylinder (360 cc as on option; standard with automatic gearbox).
Air drier : Air processing Unit (APU).



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