

# PROFESSIONAL

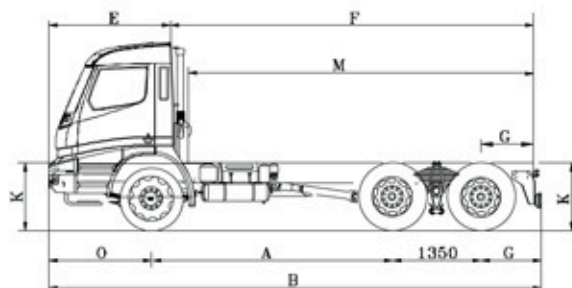
# 938



**BMC**

# PROFESSIONAL 938 EDB (6X4)

|                            |  |
|----------------------------|--|
| <b>CAB TYPE</b>            | Day Cab (Facelift, Wide)   |
| <b>CHASSIS FRAME USAGE</b> | Tipper   |
| <b>WHEEL CONFIGURATION</b> | 6x4  |
| <b>ENGINE</b>              |  |
| MAKE/MODEL                 | Cummins ISLe5 380 (Euro 5)   |
| TYPE                       | Turbo intercooler, diesel  |
| NUMBER OF CYLINDERS        | 6  |
| TOTAL DISPLACEMENT         | 8,9 lt   |
| MAXIMUM POWER              | 380 PS (280 kW) @ 2100 rpm   |
| MAXIMUM TORQUE             | 1700 Nm @ 1300-1400 rpm  |
| <b>FUEL INJECTION</b>      |  |
| MAKE/MODEL                 | Cummins CCR (Common Rail)  |
| FUEL TANK CAPACITY         | 230 lt   |
| <b>CLUTCH</b>              |  |
| TYPE                       | Single dry disc, air assisted hydraulic  |
| DRIVEN PLATE DIAMETER      | 430 mm (17")   |
| <b>GEAR BOX</b>            |  |
| MAKE/MODEL                 | EATON FSO- 10309 (Opt. ZF 16 S 1820 TO)  |
| NUMBER OF GEARS            | 9 forward synchromesh, 1 reverse   |
| <b>FRONT AXLE</b>          |  |
| TYPE, CAPACITY             | "I" section forged steel, 8000 kg  |
| <b>REAR AXLE</b>           |  |
| MAKE/TYPER                 | BMC 300T / 300TC   |
| NUMBER OF SPEEDS           | Hub reduction  |
| AXLE RATIO                 | 5.10:1   |
| CAPACITY                   | 26000 kg   |
| <b>STEERING SYSTEM</b>     |  |
| STEERING BOX MAKE/MODEL    | HEMA (ZF) 8098 Servocom  |
| TYPE                       | Integral type, hydraulic   |
| <b>BRAKE SYSTEM</b>        |  |
|                            | Full air service brake, air actuated spring parking brake, ABS/ASR, Jacobs brake |
| <b>SUSPENSION</b>          |  |
| FRONT AXLE                 | Semi elliptic leaf spring + shock absorbers                                      |
| REAR AXLE                  | Tandem leaf spring + shock absorbers   |
| ANTI-ROLL BAR              | Front  |
| <b>CHASSIS</b>             |  |
| PROFILE TYPE               | "C" section steel profile  |
| REINFORCEMENT TYPE         | "C" section, inner flitch  |
| <b>TYRES</b>               | 315 / 80 R 22.5, 10+1  |
| <b>RIMS</b>                | 9.00 x 22,5, 10 wheel nuts   |
| <b>ELECTRICAL SYSTEM</b>   |  |
| VOLTAGE                    | 24 V, negative (-) ground  |
| BATTERIES                  | 2 x 12 V, 150 Ah   |
| ALTERNATOR                 | 70 A   |
| STARTER MOTOR              | 24 V   |



## DIMENSIONS (mm)

|                                |      |
|--------------------------------|------|
| A: Wheelbase                   | 3900 |
| B: Overall length              | 7715 |
| C: Overall width               | 2500 |
| D: Overall height              | 3050 |
| E: Bumper to back of cab       | 2040 |
| F: Back of cab to end of frame | 5545 |
| G: Rear overhang               | 930  |
| G1: Chassis rear overhang      | 800  |
| H: Front track                 | 2070 |
| J: Rear track                  | 1838 |
| K: Frame height on front axle  | 1100 |
| K1: Frame height on rear axle  | 1000 |
| M: Useful chassis length       | 5075 |
| N: Frame width-front           | 975  |
| N1: Frame width-rear           | 800  |
| O: Front overhang              | 1535 |

## WEIGHTS (kg)

|                                      |       |
|--------------------------------------|-------|
| Kerb weight                          | 9400  |
| Kerb weight, front axle              | 4200  |
| Kerb weight, rear axle               | 5200  |
| Payload (including body)             | 16600 |
| Max. permissible total weight, front | 7000  |
| Max. permissible total weight, rear  | 19000 |
| Gross vehicle weight                 | 26000 |

## PERFORMANCE

|                           |     |
|---------------------------|-----|
| Gradeability (at GVW) (%) | >35 |
| Max. geared speed (km/h)  | 107 |

## ADDITIONAL INFORMATION

|                                    |    |
|------------------------------------|----|
| Cruise Control, Cable Shift System |    |
| AdBlue tank capacity (lt)          | 35 |