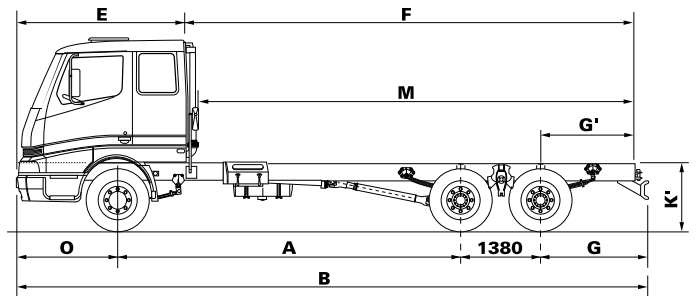
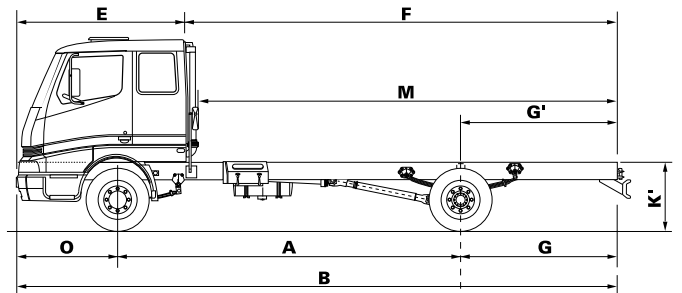
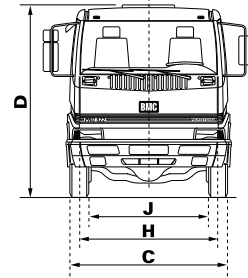


PROFESSIONAL 522

CAB TYPE	Sleeper cab
CHASSIS FRAME USAGE	Haulage
AXLE CONFIGURATION	4 x 2 (LHX), 6 X 2 (LHT)
ENGINE	
MAKE/MODEL	CUMMINS B 215 20 (Euro 2)
TYPE	Turbo diesel, intercooler
NUMBER OF CYLINDERS	6
TOTAL DISPLACEMENT	5.880 lt
MAXIMUM POWER	215 PS (158kW)@2500 rpm
MAXIMUM TORQUE	700 Nm@1500 rpm
FUEL SYSTEM	
FUEL INJECTION PUMP MAKE	BOSCH
TYPE	In line
FUEL TANK CAPACITY	150 lt
CLUTCH	
TYPE	Helical springs, single dry disk, air assisted hydraulic
DRIVEN PLATE DIAMETER	350 mm (14 inch)
GEAR BOX	
MAKE/MODEL	ZF 6S 850 OVD (LHX), EATON 6109 OVD (LHT)
NUMBER OF GEARS	6 forward, 1 reverse synchromesh (LHX) 9 forward, 1 reverse synchromesh (LHT)
FRONT AXLE	"I" section, forged steel, 5800 kg
DIFFERENTIAL	
MAKE/MODEL	Eaton DANA 11.28
NUMBER OF SPEEDS	Single speed
AXLE RATIO	4.33:1 (LHX), 4.63:1 (LHT)
CAPACITY	10900 kg
TRAILING AXLE TYPE, CAPACITY	"C" section steel profile, 5800 kg
STEERING SYSTEM	
STEERING BOX MAKE/MODEL	ZF 8043
TYPE	Integral type, hydraulic
BRAKE SYSTEM	
TYPE	Full air service brake, air actuated spring parking brake, retarder; exhaust brake
SUSPENSION	
FRONT AXLE	Parabolic leaf spring+shock absorbers
REAR AXLE	Parabolic leaf spring+shock absorbers
ANTI-ROLL BAR	Front and rear
CHASSIS FRAME	"C" section steel profile "L" section steel profile (inside)
TYRES	285/70 R 19.5, 6 + 1 (tubeless) (LHX), 285/70 R 19.5, 10 + 1 (tubeless) (LHT),
RIMS	7.5 x 19.5, 8 studs
ELECTRICAL SYSTEM	
VOLTAGE	24 V, negative (-) ground
BATTERIES	2 x 12 V, 90 Ah
ALTERNATOR	24 V, 55 A
STARTER MOTOR	24 V, 3.5 kW



LHT



LHX

DIMENSIONS (mm)

	LHX	LHT
A : Wheelbase	4650	4450
B : Overall length	8137	9017
C : Overall width	2325	2325
D : Overall height	2665	2665
E : Bumper to back of cab	2335	2335
F : Back of cab to end of frame	5634	6514
G : Rear overhang	1918	1618
G' : Chassis rear overhang	1750	1450
H : Front track	1865	1865
J : Rear track	1830	1830
K' : Frame height on rear axle	940	940
M : Useful chassis length	5400	6280
O : Front overhang	1569	1569

WEIGHTS (kg)

Kerb weight, total	4730	5740
Capacity (including body)	11270	15260
Max. permissible total weight, front	5500	5500
Max. permissible total weight, rear	10500	15500 (10250+5250)
Gross vehicle weight	16000	21000
Gross combination weight	21000	27000

PERFORMANCE

Gradeability (at GVW) (%)	26.2	30.6
Max. geared speed (kph)	118	116.3

MAY 23, 2003 / 63YD131511

The manufacturer reserves the right to modify design and specifications without prior notice.



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