

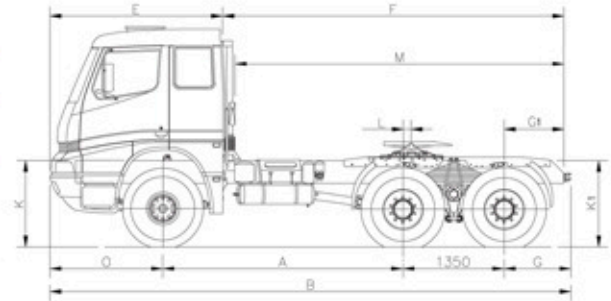
# PROFESSIONAL

# 832



# PROFESSIONAL 832 YCB (6X4)

<b>CAB TYPE</b>	High roof, sleeper cab with two beds
<b>CHASSIS FRAME USAGE</b>	Tractive unit
<b>WHEEL CONFIGURATION</b>	6x4
<b>ENGINE</b>	
MAKE/MODEL	Cummins,C 300 20 (Euro 2)
TYPE	Turbo intercooler, diesel
NUMBER OF CYLINDERS	6
TOTAL DISPLACEMENT	8,3 lt
MAXIMUM POWER	300 PS (221 kW) @ 2200 rpm
MAXIMUM TORQUE	1125 Nm @ 1400 rpm
<b>FUEL INJECTION</b>	
MAKE/MODEL	Bosch/In line type
FUEL TANK CAPACITY	300 lt
<b>CLUTCH</b>	
TYPE	Helical springs, twin dry disc, air assisted, hydraulic
DRIVEN PLATE DIAMETER	350 mm (14")
<b>GEAR BOX</b>	
MAKE/MODEL	ZF 16 S109 DT
NUMBER OF GEARS	16 forward synchromesh, 2 reverse
<b>FRONT AXLE</b>	
TYPE, CAPACITY	"I" section forged steel, 7000 kg
<b>REAR AXLE</b>	
MAKE/TYPE	BMC 300T / 300TC
NUMBER OF SPEEDS	Single speed, hub reduction
AXLE RATIO	6.03:1
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 (Opt. ABS/ASR)
<b>SUSPENSION</b>	
FRONT AXLE	Parabolic leaf spring + telescopic shock absorbers
REAR AXLE	Air suspension + telescopic shock absorbers
ANTI-ROLL BAR	Front and Rear
<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	3200
B: Overall length	6950
C: Overall width	2500
D: Overall height	3050
E: Bumper to back of cab	2335
F: Back of cab to end of frame	4520
G: Rear overhang	895
G1: Chassis rear overhang	800
H: Front track	2070
J: Rear track	1838
K: Frame height on front axle	1100
L: Distance from 2nd axle to 5th wheel	108
K1: Frame height on rear axle	1130
M: Useful chassis length	4325
N: Frame width-front	975
N1: Frame width-rear	800
O: Front overhang	1505

## WEIGHTS (kg)

Kerb weight	9680
Kerb weight, front axle	4440
Kerb weight, rear axle	5240
Payload (including body)	34320
Max. permissible total weight, front	7000
Max. permissible total weight, rear	26000
Gross vehicle weight	44000

## PERFORMANCE

Gradeability (at GVW) (%)	36
Max. geared speed (km/h)	70

