

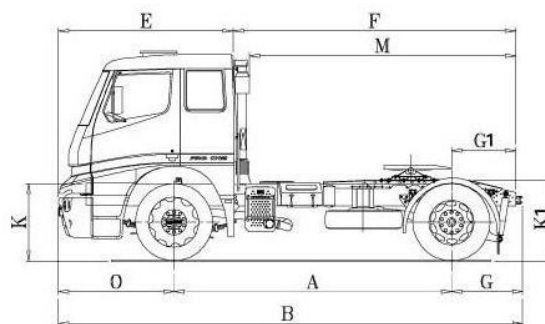
**PROFESSIONAL**

**1142**



# PROFESSIONAL 1142 ACX (4X2)

<b>CAB TYPE</b>	Sleeper Cab with Extra high roof (Wide)
<b>CHASSIS FRAME USAGE</b>	Tractive Unit
<b>WHEEL CONFIGURATION</b>	4x2
<b>ENGINE</b>	
MAKE/MODEL	Cummins ISMe 410 20 ( Euro 2 )
TYPE	Turbo intercooler, diesel
NUMBER OF CYLINDERS	6
TOTAL DISPLACEMENT	10.8 lt
MAXIMUM POWER	410 PS (300 kW) @ 1900 rpm
MAXIMUM TORQUE	2000 Nm @ 1200 rpm
<b>FUEL INJECTION</b>	
MAKE/MODEL	Cummins CELECT
FUEL TANK CAPACITY	600 lt
<b>CLUTCH</b>	
TYPE	Single dry disk , air assisted
DRIVEN PLATE DIAMETER	430 mm (17")
<b>GEAR BOX</b>	
MAKE/MODEL	ZF 16 S 2220 TO
NUMBER OF GEARS	16 forward, 2 reverse synchromesh
<b>FRONT AXLE</b>	
TYPE, CAPACITY	"I" section, forged steel, 7000 kg
<b>REAR AXLE</b>	
MAKE/TYPE	MERITOR CARRIER MS18
NUMBER OF SPEEDS	Single Speed
AXLE RATIO	3.07:1
CAPACITY	13000 kg
<b>STEERING SYSTEM</b>	
STEERING BOX MAKE/MODEL	Hema (ZF) 8098
TYPE	Servocom, 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	Parabolic leaf spring + shock absorbers
REAR AXLE	Air suspension (Hendrickson) + ECAS + shock absorbers
ANTI-ROLL BAR	Front and Rear
<b>CHASSIS</b>	
PROFILE TYPE	"C" section steel profile
<b>TYRES</b>	295 / 80 R 22.5 , 6+1 tubeless
<b>RIMS</b>	8.25 x 22.5, 10 Studs
<b>ELECTRICAL SYSTEM</b>	
VOLTAGE	24 V, negative (-) ground
BATTERIES	2 x 12V, 150 Ah
ALTERNATOR	70 A
STARTER MOTOR	24 V, 7.8 kW



## DIMENSIONS (mm)

A: Wheelbase	3700
B: Overall length	6200
C: Overall width	2500
D: Overall height	3195
E: Bumper to back of cab	2380
F: Back of cab to end of frame	3725
G: Rear overhang	950
G1: Chassis rear overhang	855
H: Front track	2070
J: Rear track	1838
K: Frame height on front axle	980
K1: Frame height on rear axle	1060
M: Useful chassis length	3530
N: Frame width-front	975
N1: Frame width-rear	800
O: Front overhang	1550

## WEIGHTS (kg)

Kerb weight	7385
Kerb weight, front axle	4800
Kerb weight, front rear	2585
Payload (including body)	32615
Max. permissible total weight, front	6500
Max. permissible total weight, rear	11500
Gross vehicle weight	—
Gross combination weight	40000

## PERFORMANCE

Gradeability (at GVW) (%)	>35
Max. geared speed (km/h)	138

## ADDITIONAL INFORMATION

Cruise Control, Cable Shift System

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

