

1100 FALCON CITY BUS

ENGINE

MAKE/MODEL	CUMMINS 220 ISBe (Euro-III)
DISPLACEMENT	6 cylinders, 5.9 lt
MAXIMUM POWER	220 PS (162 kW)@2500 rpm
MAXIMUM TORQUE	820 Nm@1500 rpm

GEAR BOX

MAKE/MODEL	VOITH 854.3E DIWA (4 speed)
	Automatic transmission, including VOITH retarder

AXLES

FRONT	ZF RL 85 A PORTAL, 8500 kg capacity
REAR	ROCKWELL, 11,200 kg capacity

STEERING BOX

MAKE/MODEL	HEMA (ZF)/8098, integral type, hydraulic
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BRAKE SYSTEM

Fully air type service brake,
Air actuated hand brake, ABS/ASR,
VOITH integral retarder
Front: disc brakes
Rear: drum brakes

SUSPENSION

FRONT	2 off air spring, 2 off double acting telescopic shock absorbers
REAR	4 off air spring, 4 off double acting telescopic shock absorbers
KNEELING	Front

CHASSIS FRAME

"C" section steel profile

BODY

Stainless steel construction

TYRES

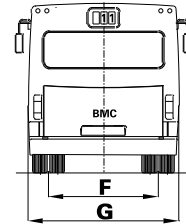
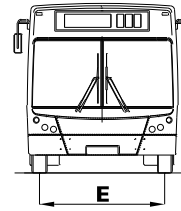
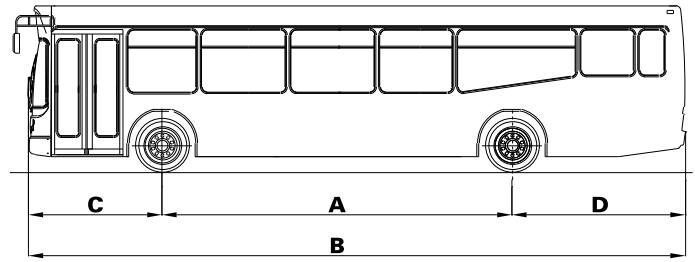
275/70 R 22.5 tyres

RIMS

8.25 x 22.5 rims

ELECTRICAL SYSTEM

VOLTAGE	24 V, negative (-) ground
BATTERIES	12 V, 210 Ah (2 off serial conn.)
ALTERNATOR	120 A
STARTER MOTOR	24 V



DIMENSIONS (mm)

A : Wheelbase	5850
B : Overall vehicle length	11000
C : Front overhang	2250
D : Rear overhang	2900
E : Front track	2096
F : Rear track	1852
G : Overall width	2500
H : Overall height	3000

PASSENGER CAPACITY

SEATING CAPACITY

STANDEES

39 seats or 36 seats + 1 wheel chair 26

WEIGHTS (kg)

Maximum permissible total weight, front	6500
Maximum permissible total weight, rear	10500
Gross vehicle weight	17000

PERFORMANCE

Gradeability, (at GVW) (%)	30
Maximum speed at level road (kph)	100
Geared speed (kph)	100

BODY

- Body is constructed from stainless steel box and rectangular sections welded
- Heat and noise insulation
- Twin glider doors
- Front and rear panelling in grp
- Lower panels split into smaller parts to localise damage and allow quick replacement
- Windows gasket glazed for quick replacement

OPTIONS

- A/C for driver
- Reversing monitor
- Passenger monitor
- PA Radio Cassette system
- Alloy wheels

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

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