

<p style="text-align: center;"><b>JAMAICA URBAN TRANSIT COMPANY</b> <b>BASIC TECHNICAL SPECIFICATIONS FOR 45 SEATER CITY BUS</b></p>
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### **Engine**

6-cylinder , 4 stroke direct injection, diesel  
Displacement: 9-12 dm<sup>3</sup> (l)  
Output: 300 hp at 1800 -2100 RPM  
Torque 1400 NM-1660  
Euro 4 emission level

For rear mounted engine, the radiator must be mounted on the right hand side in such a way to facilitate easy access and cleaning.

### **Gearbox**

Fully automatic 4-5 speed with torque converter on the first stage and retarder on each gear. Liquid cooled oil cooler

### **Final Drive**

Single reduction hypoid gear  
Ratio: 3.1 – 4.0:1

### **Braking System**

Service brakes; compress air brakes with separate circuits for front and rear axle.  
4 wheel disc brake  
Automatic brake adjustment; Asbestos free brake lining, air drier  
Friction area front: 2900 cm<sup>2</sup>  
Friction area rear: 3300 cm<sup>2</sup>  
Brake operating pressure: 7.5 bars  
Total air tank capacity: 75 litres  
Hand brake, air operated spring brake direct on the rear wheels

### **Steering Gear**

Power Steering; recalcuating ball and nut type  
Max wheel angle: 52<sup>0</sup>

### **Suspension**

Air suspension with two (2) bellows on front axle and four (4) on the rear axle  
Stabilizer on both front and rear axle  
Double acting hydraulic telescopic shock absorbers; two (2) on front and four (4) on rear

## **Wheels and Tyres**

10-stud steel disc wheels  
295/80R22.5 tyres

## **Electrical System**

Two (2) batteries  
24 Volts;  
Battery capacity: 160/220 AH  
Alternator output: 2 x 100 A  
Battery Insulator  
Fuse alternator and starting circuit

## **Axle Load**

Front axle load: 7,000 KG  
Rear axle load: 12,000 KG  
GVW: 19,000 KG  
Calculated weight: 10,000 KG

## **Superstructure**

Stainless steel or aluminum body panel  
Stainless or treated steel sub-frame  
Engine compartment insulated with fire proof material  
Fire warning system installed in engine compartment  
Reinforced front and rear steel bumper  
Minimum three (3) roof hatches  
Minimum four (4) roof fan/extractor  
Minimum two (2) emergency exits