

DOUBLE DRUM RIDE-ON ROLLER (1,400kg) HYDROSTATIC DRIVEN – Not less than 900mm WIDTH

COMPLY / NOT COMPLY

1. DESCRIPTION

A double-drum ride-on roller, powered by a diesel engine.

With an operating mass of at least 1400 kg

2. ENGINE

A diesel engine, delivering a net output power of at least 11 kW.

The engine should be suitable for operation with RSA specification diesel fuel (500ppm)

Air Cleaner

The engine should be fitted with a dual element, dry type air cleaner.

Filters

Full flow disposable fuel and lubricating oil filters as well as a fuel/water separator must be fitted.

The separator must be positioned where it can be easily seen, easy to inspect and to clean and drain if necessary.

Cooling system

Must be water (and/or) oil cooled with fan.

Radiator cores must have large spaces between them, for efficient cooling and easy cleaning.

3. SPRINKLER SYSTEM

A standard sprinkler system must be fitted

The system must be pressurised. Both front and rear drums must be efficiently sprinkled

The system must have integrated spray setting. The spray setting range must have no less than 4 settings

The water tank capacity must be no less than 100L

Spray nozzles with filters must be removable (for periodic cleaning)

4. DRIVE

The machine is to be hydrostatically driven

The machine should have a maximum travel speed of no less than 7km/h

A Gradeability of no less than 26% is required

5. BRAKES

The equipment should be fitted with service and parking brakes. An Emergency stop device must be fitted

6. STEERING

The equipment should have a smooth low effort steering system with an outside turning radius of not more than 3100 mm.

7. CANOPY

The equipment should be equipped with a foldable roll over protection.

The operator's seat should be suspended and adjustable

An instrument panel should be fitted in clear view of the operator, warning the operator with a light and audible warning horn if a problem occurs.

The system should monitor at least Low engine oil pressure, High engine coolant temperature, High hydraulic oil temperature, Low change system pressure.

An alternator malfunction warning device, hour meter and fuel gauge should also be fitted.

8. VIBRATORY SYSTEM

The vibratory system must have amplitude of no less than 0.33 mm.

It must have a centrifugal force of at least 14kN

Maximum frequency must be no less than 60Hz

The drum width should be no less than 900mm.

9. OPERATING WEIGHTS

The equipment should have an unballasted operating weight of no less than 1400 kg.

10. PAINT

The roller must be painted with a durable 2K paint.
Colour: Golden Yellow

The bonnet must be painted with a durable 2K paint.
Colour: Brunswick Green

TECHNICAL SCHEDULE

SPECIFICATION

DETAIL

1. DESCRIPTION

Double Drum Roller

Yes/No

Diesel Engine powered

Yes/No

Operating Weight

_____ kg

Brand Name

Model Number

2. ENGINE

Engine Manufacturer

Engine Model.

Type

Emission Standard

Maximum Net Output Power

_____ kW @ _____ rpm

Maximum Net Torque

_____ Nm @ _____ rpm

Displacement

_____ (cm³)

Diesel Use

_____ (ppm sulphur)

Cooling System

Air Cleaner

Details

Serviceable safety element

Yes/No

Service Indicator

Yes/No

Filters

Details

Position of Separator

Type of water drain

Cooling system

Water / Oil Cooled Radiator cores

Fan fitted

Yes/No

3. SPRINKLER SYSTEM

Sprinkler system fitted?

Yes/No

Front and Rear Drums sprinkled?

Yes/No

Number of spray settings

Tank Capacity

Removable Spray Nozzles

L
Yes/No

4. DRIVE

Type of Drive

Maximum Travel Speed

 Km/h

Gradeability

 %

Details of Drive

5. BRAKES

Service Brake

Parking Brake

Emergency Stop

6. STEERING

Inner turning Radius	_____ mm
Oscillation angle	_____
Steering angle	_____
Details of Steering	_____ _____ _____

7. CANOPY

Foldable ROPS	Yes/No
Adjustable seat	Yes/No
Access to all controls	Yes/No
Details of Canopy	_____ _____ _____

8. VIBRATORY SYSTEM

Amplitude	_____ mm
Centrifugal Force	_____ N
Frequency	_____ Hz
Drum Width	_____ mm

9. PAINT

Body paint	
Paint Type	_____
Colour	_____
Bonnet paint	
Paint Type	_____
Colour	_____

10. GENERAL

- | | | |
|-----|---|----------|
| (a) | Are all the required accessories fitted/provided? | YES / NO |
| (b) | Are all drawings, brochures, graphs and sheets submitted? | YES / NO |
| (c) | Is the offer completely to specification? | YES / NO |

- (d) State all deviations from the specifications
