

SPECIFICATION RT57-09-10-02

WHEELED SKID STEER LOADER (50kW) NOT LESS THAN 3,500KG

Wheeled SKID STEER loader, fitted with a ROPS cab, with operating mass **not less than 3,500kg**. Fitted with a diesel engine, developing not less than 50kW. With a Hydraulic High flow rate of not less than 130LPM, through quick connect hydraulic couplings operating optional attachments (Milling, Broom etc.)

1. OPERATING SPECIFICATION

- Rated operating capacity to be not less than 700kg
- A minimum permissible tipping load of 1400kg is required
- Travel speed (forward or reverse) not less than 10km/h
- Operating weight of not LESS than 3,500kg

2. ENGINE

- The machine is to be diesel powered engine with liquid cooling having a minimum gross engine output power of not less than 50KW.
- Engine to be naturally aspirated or turbocharged
- Emission certification to be compliant to EPA-T4i (EU St3A) or equivalent
- Permissible exposure limits for noise 90dB(A) eight-hour (8h) time weighted average

3. TRANSMISSION

- A hydrostatic transmission is required with a maximum travel speed of not less 10km/h

4. BRAKES

Service Brake

- A hydrostatic brake system for dynamic braking during operation is required.

Parking Brake

- A hydraulic release park brake system or equivalent is required.
- An emergency braking mechanism is required to enable the Skid-steer to be brought to rest in the event of engine failure.

5. TYRES

- The machine must be equipped with standard sized tyres that are locally available

6. Hydraulic system

- Hydraulic pump capacity of not less than 60L/min normal flow rate
- Hydraulic pump capacity of not less than 130L/min high flow rate
- The machine must have a quick coupler system to enable safe and easy changing between different types of attachments (bucket, broom, auger, pallet fork, milling attachment etc.).

7. LOADER

- Controls are to be ergonomically designed and conveniently arranged for operation from the machine seat.
- The bucket is to have a dump height of not less than 2.1m with a dump angle of not less than 40°

8. CAB

- ROPS - must meet the requirements of SAE-J1040 and ISO 3471:1994
- FOPS - must meet the requirements of SAE-J1043 and ISO 3449:1992 Level I

- Fully enclosed, Sealed pressurized cab with heater/defroster, Air conditioning, Side windows with all round vision, Mechanical and air suspension seats with seat belt, Emergency lower valve, Fuel gauge, Hydraulic park brake, Standard flow auxiliary hydraulics, Three way joysticks, Rear service access door, cup holder, power socket

9. LIGHTING AND ELECTRICS

- Two front and one rear work light
- Lighting of the machine offered must comply with the National Road Traffic Act.
- An orange revolving light must be fitted on the roof of the machine offered.
- Cab mounted instrument panel with ignition, fuel gauge, hour meter and electronic throttle
- Incorporate into the instrument panel a warning light cluster which also has audible alarms for: Low charge pressure, Engine water temperature, Hydraulic oil pressure, Blocked air filter, Engine oil pressure and Alternator

10. OPTIONAL EQUIPMENT

A list of optional equipment with the pricing must be submitted

11. PAINT COLOUR

Machines or equipment are to be painted golden yellow unless otherwise specified.

12. PRICES TO INCLUDE THE FOLLOWING:

One each of the following is to be supplied with each machine:

- (i) Spare parts list (in book form)
- (ii) Workshop repair manual
- (iii) Operator's instruction.

COMPULSORY SPECIFICATION QUESTIONNAIRE

The Technical Schedule must be completed in full; failure to comply will invalidate your bid

1. SIELENT POINTS

Make _____

Model _____

Operating weight _____

Rated operating capacity _____

Permissible tipping load _____

2. ENGINE

Net power output _____ kW

Net torque output _____ Nm

Emission certification _____

Permissible exposure limits for noise _____ dB

3. TRANSMISSION

Type of transmission _____

Number of forward speeds _____

Number of reverse speeds _____

Maximum travel speed _____ km/h

4. BRAKES

What type of service braking system is fitted? _____

What type of park braking system is fitted? _____

Is an emergency braking system fitted? _____

5. TYRES

What is the size of the tyres? _____

Front _____

Rear _____

Are the tyres locally available _____

6. HYDRAULIC SYSTEM

Is the machine operated by means of a Joysticks? _____

Hydraulic pump capacity – normal flow rate _____

Hydraulic pump capacity – high flow rate _____

Does the machine have a quick coupler system? _____

Indicate the options of different attachments e.g.: bucket, broom, auger, pallet fork, milling attachment etc.

7. LOADER

What is the dump angle of the machine offered? _____ °

What is the dump height of the machine offered in meters? _____ m

Location of controls _____

Bucket capacity _____

m³

Is an Emergency lowering valve fitted? _____

8. CAB

Is the cab ROPS certified? (SAE-J1040 and ISO 3471:1994) _____

Is the cab FOPS certified? (SAE-J1043 and ISO 3449:1992 Level I) _____

Is the cab fully enclosed and lockable? _____

Is the cab sealed pressurized? _____

Is the cab fitted with heater/defroster or Air conditioning? _____

Does it have sound protection? _____

What level? _____

dB (A)

Is it fitted with a windscreen and side windows with all round vision? _____

Are windshield wipers fitted? _____

Type of operators' seat? _____

Is a seat belt fitted? _____

Is it fitted with a Hydraulic park brake? _____

9. LIGHTING AND ELECTRICS

Detail of all lights

Do the lights comply with the National Road Traffic Act?

Fuel gauge

Is an orange revolving light fitted?

Indicate the instruments fitted in the cab

fuel gauge

hour meter

Is audible alarms fitted for:

Engine oil pressure

Low charge pressure

Engine water temperature

Hydraulic oil pressure

10. OPTIONAL ATTACHEMENTS

Indicate the optional extra attachments available

11. PAINT COLOUR

What colour is the machine
