

MINIMUM SPECIFICATIONS FOR BOSS MODEL 210DUS

1. Scope

This specification covers diesel engine driven, skid mounted air compressors, complete with all accessories, hereinafter specified and required for a complete operating unit.

2. Manufacturer's Standard Unit

As shown in current published literature.

3. Operation

The compressor shall be capable of satisfactory operation when tilted 15 degrees in any direction.

4. Engine John Deere

4 cycle, 4 cylinders, diesel engine with reserve horsepower when operating compressor at rated capacity and pressure. Engine to have a minimum of 80 horsepower, John Deere 4045D, Tier 3, not to exceed 2500-RPM maximum governed speed. Parts available directly from the manufacturer. Liquid cooled and equipped with the following:

- Start position on engine control to allow engine and compressor oil to warm up under Light load
- Separate dry type air filter for engine and air end.
- Spin on automotive type full flow lubricating oil filter
- Fuel filter
- Fuel/water separator
- Muffler, equipped with rain cap

5. Electrical System

Heavy-duty 12-volt negative ground
Battery rated 650 C.C.A. at 0 degrees F

6. Control Panel

Gauges:

- Engine coolant temperature
- Engine oil pressure
- Ammeter
- Hour meter
- Start/run valve

7. Safety System

Low engine oil pressure
High compressor oil temperature
High engine coolant temperature
Minimum pressure valve
Automatic blow down valve
Low fuel level (Option)
50/50 antifreeze mixture.

8. Compressor

Rated capacity of not less than 210 CFM free air delivered at minimum pressure of 100 psig when operating at rated speed.

Parts available locally.

Oil flooded and equipped with the following:

- Oil flooded Rotary Screw design directly coupled to engine through flexible coupling.

- Pressure regulation to be maintained within plus or minus 3% of setting at all working pressures. Capacity regulation shall be accomplished by varying both engine speed and controlling intake flow.

- Air filter, separate from engine with restriction indicator.

- Discharge check valve

- Compressor oil filter

9. Air Receiver

ASME air/oil coded with safety relief valve

10. Operating Manual

The vendor shall furnish one copy of operating instructions, parts lists, and repair manuals of the equipment furnished.

11. Guaranty

The vendor shall warranty the machine against defects due to faulty materials and workmanship for a period of one year after delivery and also have a two year unlimited hour warranty on the air end.

Specifications subject to change without notice

MINIMUM SPECIFICATIONS FOR BOSS MODEL 250DUS

1. Scope

This specification covers diesel engine driven, skid mounted air compressors, complete with all accessories, hereinafter specified and required for a complete operating unit.

2. Manufacturer's Standard Unit

As shown in current published literature.

3. Operation

The compressor shall be capable of satisfactory operation when tilted 15 degrees in any direction.

4. Engine John Deere

4 cycle, 4 cylinders, diesel engine with reserve horsepower when operating compressor at rated capacity and pressure. Engine to have a minimum of 80 horsepower, John Deere 4045D, Tier 3, not to exceed 2500-RPM maximum governed speed. Parts available directly from the manufacturer. Liquid cooled and equipped with the following:

- Start position on engine control to allow engine and compressor oil to warm up under Light load
- Separate dry type air filter for engine and air end.
- Spin on automotive type full flow lubricating oil filter
- Fuel filter
- Fuel/water separator
- Muffler, equipped with rain cap

5. Electrical System

Heavy-duty 12-volt negative ground
Battery rated 650 C.C.A. at 0 degrees F

6. Control Panel

Gauges:

- Engine coolant temperature
- Engine oil pressure
- Ammeter
- Hour meter
- Start/run valve

7. Safety System

Low engine oil pressure
High compressor oil temperature
High engine coolant temperature
Minimum pressure valve
Automatic blow down valve
Low fuel level (Option)
50/50 antifreeze mixture.

8. Compressor

Rated capacity of not less than 250 CFM free air delivered at minimum pressure of 100 psig when operating at rated speed.

Parts available locally.

Oil flooded and equipped with the following:

- Oil flooded Rotary Screw design directly coupled to engine through flexible coupling.

- Pressure regulation to be maintained within plus or minus 3% of setting at all working pressures. Capacity regulation shall be accomplished by varying both engine speed and controlling intake flow.

- Air filter, separate from engine with restriction indicator.

- Discharge check valve

- Compressor oil filter

9. Air Receiver

ASME air/oil coded with safety relief valve

10. Operating Manual

The vendor shall furnish one copy of operating instructions, parts lists, and repair manuals of the equipment furnished.

11. Guaranty

The vendor shall warranty the machine against defects due to faulty materials and workmanship for a period of one year after delivery and also have a two year unlimited hour warranty on the air end.

Specifications subject to change without notice