

MELBOURNE AND METROPOLITAN TRAMWAYS BOARD

MELBOURNE

VICTORIA

THESE (3) ENGINE DRIVEN PORTABLE AIR COMPRESSORS

CONTRACT NO.

SPECIFICATION

1. GENERAL

This specification covers the manufacture, supply and delivery to the Board's Store at Miller Street, Preston, Victoria, of one or more of three (3) portable air compressors capable of delivering continuously the following quantities of air at a working pressure of 80 lb. per sq. inch gauge:-

- (A) One (1) compressor to deliver One hundred and ten (110) cub. feet of free air per minute.
- (B) One (1) compressor to deliver Two hundred (200) cub. feet of free air per minute.
- (C) One (1) compressor to deliver Three hundred (300) cub. feet of free air per minute.

These are required for the maintenance and construction of permanent way within the Melbourne and Metropolitan area and are to operate under all prevailing conditions of weather.

They shall each consist of a suitable compression ignition oil engine driving unit coupled to an air compressor properly mounted on a chassis, together with all control gear, fittings, tools, spare parts, instruction books and drawings essential for their satisfactory operation and maintenance. The term "approved" in this specification shall mean approved by the Engineer.

MELBOURNE AND METROPOLITAN TRAMWAYS BOARD

MELBOURNE

VICTORIA

FIVE (5) ELECTRICALLY DRIVEN PORTABLE AIR COMPRESSORS

CONTRACT No. ....

SPECIFICATION

1. GENERAL:

This Specification covers the manufacture, supply and delivery to the Board's Store at Miller St, Preston, Victoria of one or more of five (5) electrically driven portable air compressors capable of delivering continuously the following quantities of air at a working pressure of 80 lbw. per sq. inch gauge:-

- (A) One (1) compressor to deliver 110 cub. feet of free air per minute.
- (B) One (1) compressor to deliver 220 cub. feet of free air per minute.
- (C) Three (3) compressors each to deliver 300 cub. feet of free air per minute.

These are required for the maintenance and construction of permanent way within the Melbourne and Metropolitan area and to operate under all prevailing conditions of weather, and must be readily portable.

They shall each consist of a direct current electric motor driving unit coupled to an air compressor properly mounted on a chassis, together with all necessary control gear, fittings, tools, spare parts, instruction books and drawings essential for their satisfactory operation and maintenance.

2. DRIVING UNITS:

Each driving unit shall be an approved type of drip-proof electric motor of ample horse power and designed to operate the air compressor at substantially constant speed under all load conditions from a Direct Current traction supply, the voltage of which may fluctuate between 450 and 620 volts. The negative pole of the power supply will be connected to earth. The motor shall be such that commutation will be sparkless over extremes of operating conditions for fixed brush positions.

SUPPLY AND DELIVERY

of

PNEUMATIC TOOLS

CONTRACT No.

SPECIFICATION

1. GENERAL:

This Specification covers the manufacture, supply and delivery to the Board's Store, Miller Street, Preston, Victoria, of pneumatic tools and appurtenances in complete working order, all as set out in attached Schedule "D".

2. MATERIAL AND WORKMANSHIP:

The materials used in the manufacture of the pneumatic tools shall be the best of their respective kinds. All parts shall be strongly made and well finished to the highest standard of workshop practice. All pneumatic tools shall be so constructed that they can be readily dismantled and re-assembled ~~for the job.~~

3. PAVEMENT BREAKERS:

Pavement Breakers shall be of the heavy duty type, and shall be capable of breaking out the strongest concrete in an efficient manner.

When in operation the breakers shall be free from excessive recoil and shall be properly balanced so as to be easily operated and controlled by one man.

The Pavement Breakers shall be fitted to take 1½" hexagon breaker steels, three (3) of which shall be supplied with each breaker. The length of the steels to be supplied shall be 14" beyond the collar.

4. TIE TAMPERS:

Tie Tampers shall each be approximately 40 lbs. weight complete with tamping bar. They shall be of convenient size to be operated by one man standing in an upright position.

Each tie tamper shall be fitted with suitable handles and a tie tamping bar 24" long with a face  $\frac{3}{8}$ " x  $\frac{7}{8}$ ".

The tie tampers shall be of such design that the exhaust gases