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Customer: Bristol University SAC
Central Compressors Ref: C2574A
Date: 10th May 2013

Subject: Typhoon Open 18 Petrol BA Compressor



The charging times calculated below has assumed 12 litre water capacity cylinders with a working pressure of 232 bar, it has also been assumed that a residual pressure of 30 bar remains in each cylinder.

Model	Charging Rate	Max WP	Charging Time Minutes		
			Number of Cylinders		
			Two	Four	Eight
Typhoon18	300 L/Min	350 Bar	16.2	32.3	64.6

Compressor

A three-stage air-cooled unit, fitted with large stainless steel intercoolers, complete with moisture traps (after the 2nd stage), pressure relief valves and integrated stainless steel after cooler. Lubrication is by controlled splash and no oil vapour can escape to atmosphere. The compressor has a low running speed of 1100 rpm.

Drive

A 11.0 kW petrol engine is the prime mover for the set, complete with battery for manual electric starter

Operation

Control of the unit is manual operation. On initial start of the engine the compressor runs and raises the pressure in the system to a pre determined pressure. On reaching pressure a relief valve lifts and the compressor needs to be stopped.

The set is arranged for manual loading and unloading operation.

Instrumentation

Inter stage and final delivery pressure gauges are mounted on the front fascia of the charging set.

A vibration type hours counter is fitted.

Condensate Collection System

The Condensate Collection System consists of manual unloaders connected to a centrifugal separator (to separate the condensate from the air under pressure) and a coalescer/silencer to trap condensate mist. Collected liquids are fed to an integral condensate vessel, mounted on the set.

Assembly

Compressor and engine are mounted in a common frame, 1280 mm long, 520 mm wide and 730 mm high, the total weight is 168 Kgs. All moving parts are fully protected and guarded.

Filtration System

The BA Filter - including Coalescing Prefilter (0,5 mg/m³ oil residual) and Active Carbon/Molecular Sieve cartridge, with the supply of clean air exceeds the requirements of EN12021 directive.

Charging Facility:

Fitted to the set is two high pressure charging hoses, each complete with cylinder connector and vent valve.

COMMERCIAL PROPOSAL

Compressor Charging Set

Typhoon Open 18 Petrol £ 5,654.00 Nett, ex-works

Optional Equipment:-

Automatic stop £ 221.00

Automatic drain £ 363.00

Payment Terms: Nett 30 days to approved account

VAT: Additional

Carriage and Packing: Excluded

Delivery Period: 4 to 5 working weeks from receipt of order.

Warranty Period: A two year parts warranty is included – this is subject to the correct maintenance being undertaken.