News from CompAir

CompAir's new high-pressure TurboScrew compressors take the pressure out of fuel costs

CompAir
Bauma 2010, stand number B3.221.322

At Bauma 2010, CompAir will launch its new, fuel-efficient range of three high-pressure portable compressors, designed to deliver up to 26% energy savings.

Called the C230TS-17, C210TS-21 and C200TS-24, the new units are the latest addition to CompAir's proven TurboScrew C series. Weighing in at less than 3500 kg, the units can be towed, in Europe, by a 4x4 vehicle* and can produce pressures of up to 24 bar. This makes them ideal for demanding applications such as water well and geothermal drilling, where on-time job completion is dependant on maintaining sufficient air pressures at depths of 100 metres and below.

*with a minimum towing capacity of 3500 kg, as specified in the manufacturer's handbook

Visitors to stand number B3.221.322 can view the new C200TS-24 unit as well as other models from CompAir's extensive portable compressor range.

Commenting on the new range of compressors, Harald Wenzel, Product Manager Portable Compressors from CompAir said: "Fuel efficiency continues to be a key driver in our new product development. We aim to maximise performance, at every stage of the compressors' design – incorporating features that achieve both efficiency improvements and cost benefits for the user as well as meeting stringent emissions legislation.

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"We have therefore developed these new compressors to meet specific customer demands for a portable unit that can produce high pressure air, while offering low operating costs and high reliability as already proven on the lower pressure versions."

About CompAir's new high-pressure compressors

CompAir's TurboScrew compressors offer numerous design innovations to help operators reduce maintenance concerns and make significant fuel cost savings.

Compared to conventional portable compressors, these new units can deliver up to 26% better fuel efficiency with no loss in pressure, helping site managers to reduce both the cost of diesel used and the frequency that the unit needs to be refuelled.

Using CompAir's patented bi-turbo technology, the TurboScrew compressors feature a lightweight and compact Cummins engine. This is engineered with two turbochargers powering a CompAir screw compressor unit, with the addition of an engine exhaust gas turbine to precompress the inlet air before it enters the compression chamber.

This enables CompAir to convert 5% of what would normally be wasted exhaust energy and convert it to motive power to create compressed air.

CompAir has engineered the compressors to run at just 1000 rpm when idling in offload mode, equivalent to turning down the fuel consumption by up to 58% when there is no requirement for air on site.

Each unit weighs less than 3500 kg, allowing it to be towed by a 4x4 vehicle* with no need for air brakes. This means that there is no need for drivers to hold special truck licenses and, as the compressor is lighter than comparable models, it will have less impact on the towing vehicle's overall fuel consumption. In addition, the unit's compact size makes it easier to tow to and site in hard-to-access areas.

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The TurboScrew design features electronic controls that are simple and intuitive, helping to reduce operator error. Grouped into three main display pages, the first control identifies the machine; the second enables the user to set the required operating parameters, such as engine speed and pressure via simple 'up and down' arrows; and the final screen enables the user to identify and take steps to rectify compressor faults, helping to protect the life of the unit and avoid downtime.

All compressors in the range have wide opening doors that provide unrestricted access to all components for simpler and quicker maintenance. The system contains a series of engineer-accessed display screens that allow the technician to limit operating pressure to help protect the unit from misuse.

For further information, please visit CompAir on stand number B3.221.322 at Bauma where technical experts will be available to discuss customers' requirements and advise on the best equipment options.

For more information about CompAir's range of energy efficient compressed air solutions, please visit www.compair.com

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