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TURBOSCREW COMPRESSORS
Small Package. Big Benefits.



C200TS - 24
to C270TS - 9



NEW MODELS UP TO
24 BAR



INTELLIGENT AIR TECHNOLOGY

The TurboScrew's fuel efficiency is key - maximising performance at every stage of design and incorporating features that achieve both efficiency improvements and cost benefits for the user, as well as meeting stringent emissions legislation.



TurboScrew from CompAir –
small on size, big on efficiency

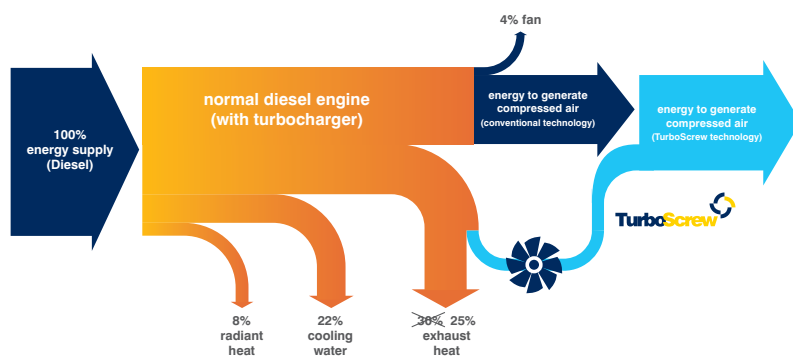


**PATENTED BI-TURBO TECHNOLOGY = LOW COST OF OWNERSHIP!
A RADICAL NEW APPROACH TO ENERGY CONSERVATION.**

The CompAir TurboScrew patented bi-turbo technology makes these compressors outstanding in their class. On average site conditions where the demand varies between idle, part load and full load, the TurboScrew consumes up to **30% less fuel** than most of the conventional compressors on the market.

Turboscrew Technology

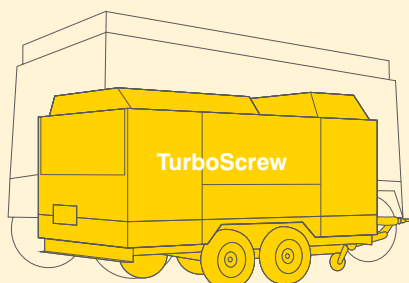
CompAir's TurboScrew compression system is a radical new approach to energy conservation. It uses a Cummins turbo assisted engine powering a CompAir screw compressor unit with the addition of an engine exhaust gas drive turbine, pre-compressing the suction inlet air before it enters the compression chamber.



Using the TurboScrew technology, the engine delivers approximately 14% more energy to the compressor than conventional technologies.
(measured under full load condition)

Small footprint & one of the lightest in class

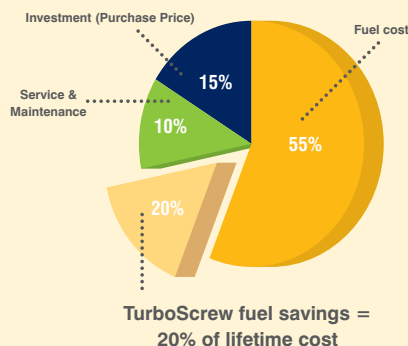
The lightweight TurboScrew compressors can be towed by a vehicle with a maximum towing weight of 3500kg and is great for getting to hard-to-access sites.



Potential Fuel Savings

Based on average site running conditions, over lifetime of 10,000 hours, fuel savings of up to 30% can be achieved when compared with equivalent conventional compressors of this output range. This represents up to 20% of total lifetime costs.

Your benefit: significant cost savings!



In TurboScrew we have created a portable compressor that can produce high pressure air while offering low operating costs and high reliability.

Reliable Cummins QSB 6.7 engine

Robust 6-cylinder turbo-charged diesel engine with an additional integrated second turbo-charger for the pre-compression of the inlet air of the compressor.

Soft start

Extends the engine life time by reducing engine stress during start-up and allowing the engine to reach running temperature with the compressor unloaded.

Efficient TurboScrew technology

Up to 30% less diesel fuel consumption.

24 V electric system

Ensures sufficient power reserves in case of cold starts and a safe - run-up ability.

Bolted single sheets

The steel canopy is mass galvanised and electrostatically coated, offering excellent protection against damage and corrosion. With bolted single sheets, exchange is both quick and easy.

Easy access side wing doors

Offering excellent accessibility for easy maintenance.





**A BROAD SELECTION OF 11 MODELS FROM 9 TO 24 BAR AND
FROM 20 TO 27M³ TO MEET A WIDE RANGE OF APPLICATIONS.**

**The Electronic Controlled
Bi-Turbo Cummins Diesel Engine**

The water-cooled QSB 6.7 engine range from CUMMINS, one of the world's leading manufacturers of diesel engines, are available as a 6 cylinder turbo-charged engine providing 180kW or 228KW, with a good reserve of power.



The engine powers a CompAir screw compressor unit with the addition of an engine exhaust gas driven turbine, pre-compressing the inlet air prior to it entering the compression chamber.

- **Reliable, long lifetime.**
- **Economic, quiet and environmentally friendly.**
- **Very good cold starting ability.**
- **24V electric system.**

**UP TO
24
BAR**

**TurboScrew from CompAir –
small on size, big on efficiency.**

- Low cost of ownership
- Up to 30% less fuel consumption representing up to 20% of total lifetime costs
- One of the lightest in class - up to 2000kg lighter than many other comparable compressors
- Can be towed in Europe by a standard vehicle with a maximum towing weight of 3500kg
- From 9 to 24 bar and from 20 to 27m³/min to meet a wide range of applications
- Robust, tough and reliable operation for the most demanding of industry
- Designed for -10 to +50°C ambient temperature

Available Options

For models up to 14 bar:

- Aftercooler with reheater

- Filtration

For all models:

- Towing eye: car tow ball; 76 mm; DIN 40 mm
- Adapter 13 / 7- pole for connection cable to the drawing vehicle
- Without chassis
- Base mounted, with fork-lift receptacles
- Skid mounted, with fork-lift receptacles
- Exhaust spark arrester, for safe operation in a restricted environment
- Preheating, allows the reliable start of the engine in ambient temperatures down to -25°C
- Special paint colour and labelling to customer specification

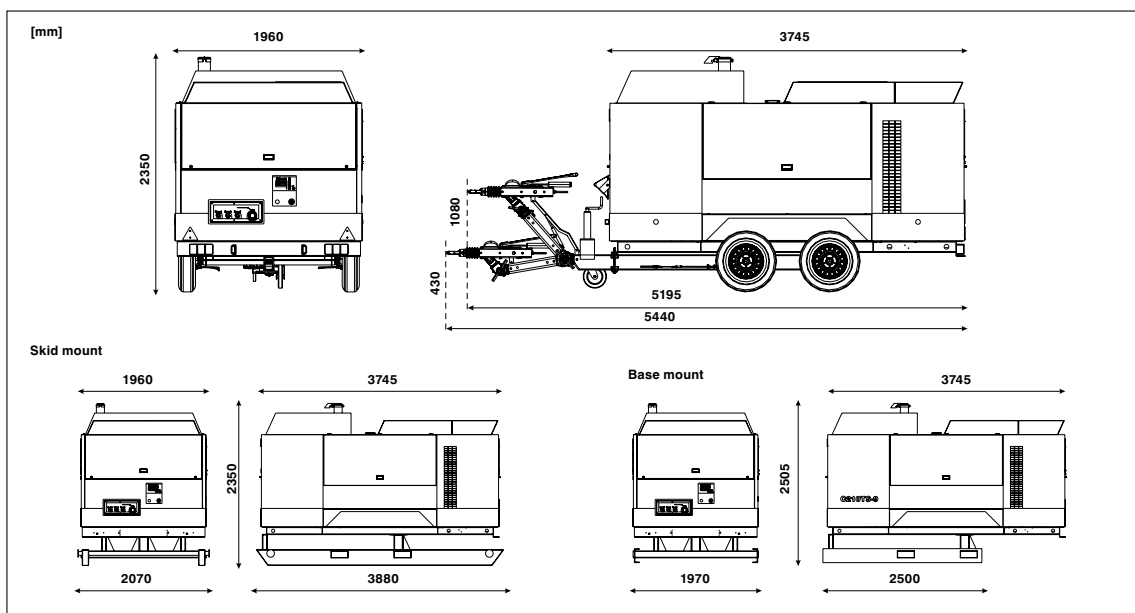
"It was a real challenge to complete a project of this scale in the time available," says Cay Grunau from Hydrotechnik. "It took over 6hrs to drive the 315-tonne, 55-metre-long monopile 30 metres down into the seabed. The CompAir compressors ran continuously for around 20 hours, but, because of their high fuel efficiency, we still saved about 2,000 litres of fuel compared with similar compressors."

These compressors punch above their weight, providing robust, tough and reliable operation for the most demanding of industry:

- Water well drilling
- Geothermal drilling
- Ship refurbishment
- Oil-barrier
- Building refurbishment
- Bridge refurbishment
- Pneumatic lancing
- Dry ice blasting / sand blasting
- Ground exploration
- Earth loosening work

...to name but a few

**TURBOSCREW FROM COMPAIR
DELIVERING SIGNIFICANT
CUSTOMER BENEFITS.**



Product range		DLT 2701										
Type		C200TS-14	C210TS-12	C220TS-10	C230TS-9	C240TS-14	C250TS-12	C260TS-10	C270TS-9	C200TS-24	C210TS-21	C230TS-17
Operational data												
Volume flow ¹⁾	m ³ /min	20	21	22	23	24	25	26	27	20	21	23
Operating pressure	bar	14	12	10	9	14	12	10	9	24	21	17
Compressed air outlet		3 x 3/4" and 1 x 2"								1 x 2"		
Engine		Cummins QSB 6.7										
Installed engine power	kW	180	180	180	180	228	228	228	228	228	228	228
Engine off load speed	1/min	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Engine full load speed	1/min	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400	2400
Fuel tank capacity	l	370	370	370	370	370	370	370	370	370	370	370
Operating weight²⁾												
Portable compressor	adjustable towbar braked kg	3310	3310	3310	3310	3340	3340	3340	3340	3350	3350	3350
Skid mount	kg	3370	3370	3370	3370	3400	3400	3400	3400	3410	3410	3410
Base mount	kg	3210	3210	3210	3210	3240	3240	3240	3240	3250	3250	3250
Dimensions												
Length		5195-5440	5195-5440	5195-5440	5195-5440	5195-5440	5195-5440	5195-5440	5195-5440	5195-5440	5195-5440	5195-5440
Width	mm	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960	1960
Height	mm	2350	2350	2350	2350	2350	2350	2350	2350	2350	2350	2350
Length of the canopy	mm	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750	3750
Sound level												
Power sound level ³⁾	dB(A) LWA	100	100	100	100	100	100	100	100	100	100	100
Pressure sound level ⁴⁾	dB(A) LPA	71	71	71	71	71	71	71	71	71	71	71

¹⁾ Acc. to ISO 1217 Ed. 4 2009 Annex D

²⁾ Operating weight without options

³⁾ Legal limiting values of EC directive acc. to 2000/14/EC

⁴⁾ Noise level acc. to PNEUROP PN8NTC2.2 at 7 m



**INNOVATIVE PRODUCTS AND SERVICES – TRUST COMPAIR TO
SUPPLY INTELLIGENT COMPRESSED AIR SOLUTIONS.**



➤ Portable Compressors

C14 – C270TS-9
1 to 27 m³/min
from 7 to 24 bar

Air Plus offers many variations and options:

- Aftercooler
- Ultra-fine filters
- Integrated generator
- Bunded bottom box
- Hose reel
- Exhaust spark arrestor
- Exhaust gas particulate filter
- Customer colours

Turboscrew Technology
C200TS-24 – C270TS-9
up to 30% less diesel
fuel consumption

➤ Generator

ADG28 – ADG132
28 – 132 kVA

Variants & Options:

- Sockets
- Terminal strip
- Chassis up to 50 mile/hour
- Customer colours

➤ Tools

- Chipping Hammers
- Rockdrills
- Pickhammers
- Breakers

Vibration
damped tools:

- Rockdrills
- Pickhammers
- Breakers

Accessories:

- Large selection of pointed chisel, slat chisel and spade
- In line lubricator
- Water separator with or without oiler
- Air hoses

➤ Services

- Technical support and advice
- Worldwide service network
- Reliable supply of spare parts
- Individual customer solutions
- Seminars and trainings

PATENTED

CompAir policy is one of continuous improvement and we therefore reserve the right to alter specifications and prices without prior notice. All products are sold subject to the Company's conditions of sale.



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