



C750-125S – C1100-100S
Portable Air Compressors



Intelligent Air Technology

Key Features

Highly efficient CompAir single stage rotary screw compressor.

Proven Caterpillar 3306 DITA 6 cylinder turbo assisted engine with power in reserve to prevent overloading, especially in high altitude working.

Unique 180° turntable steering for excellent manoeuvrability on confined sites.

All round service access including doors to assist cleaning of both sides of coolers.

Auto shut down systems protect against low engine oil pressure, high engine or compressor temperature, and low coolant level.

Rust resistant zinc coated steel canopy panels with electrostatically applied durable powder paint finish.

Individually replaceable panels minimise the cost of site damage.





C750-125S – C1100-100S

Large Portable Air Compressors 7-12 bar

A choice of 7 models provide large volumes of air ranging from 21 to 31m³/min. at 7, 8.6, 10 or 12 bar g pressures for factory standby air, blast cleaning of large structures and to support drilling operations in surface mining, civil engineering and ground exploration projects in the most demanding of sites and extremes of altitude and climate.

All models are powered by the proven Caterpillar 6 cylinder 3306 DITA turbo charged diesel engine meeting the EC Level 1 emission standards.

CNC machining of precision components plus state of the art sheet metal and electrostatic painting equipment, supported by the rigorous production systems required for ISO 9001 certification provide the highest standard of quality and reliability.

A world wide network of CompAir sales and service facilities are well experienced in the needs and priorities of site operations in remote areas and trained to deal with them promptly and efficiently.



Features

Supply on demand control system regulates engine speed and compressor air intake valve to match closely varying air demand so that fuel efficiency is optimised.

Illuminated control panel with lockable door and shatterproof window.

All necessary instrumentation, including gauges for air delivery pressure and temperature, tachometer, hour meter, and auto shutdown fault indicators.

A warm up wheel valve enables engine to be run on a low compressor load on start up for additional durability.

2 stage air inlet filters for engine and compressor with safety elements to provide added protection in case of maintenance neglect or very high dust levels.

Air filter service indicators, prominently positioned on instrument panel, warn when filter maintenance is required, and thus also assist in avoiding premature replacement.

Large capacity 488 litre fuel tank with level gauge and inspection plates to enable tank cleaning.

Heavy gauge welded steel chassis construction for towing on difficult ground without distortion.

260mm ground clearance for easier positioning.



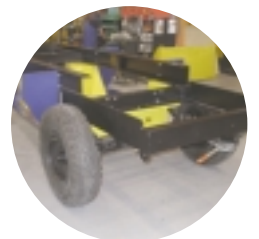
Easily understood control panel with lockable steel door



Rear doors open for cleaning cooler, ladder for cooler filling, rear parking brake



Fuel tank gauge and inspection plate



Built on a strong chassis



Fine filters of optional air treatment pack

Model		C1100-100S	C750-125S	C900-125S	C1000-125S	C900-150S	C750-170S	C850-170S
Operational Specifications								
Free Air Delivery at Rated Pressure	m ³ /min	31.1	22.1	25.5	28.3	25.5	21.2	24.1
Rated Operating Pressure	bar g	7	8.6	8.6	8.6	10.3	11.7	11.7
Oil Capacity Compressor System	litres				145			
Engine					Caterpillar 3306DI-TA			
97-68-EC Emission Compliant					Yes			
Full Load Speed	rpm	2200	2100	2125	2050	2100	2100	2000
Output at Rated Speed	kW	242	242	242	242	242	242	242
Fuel Tank Capacity	Litres				488			
Working Weight (wet)*								
	kg	5016	4886	4886	5016	5016	4886	5016
Overall Dimensions								
Overall Length (drawbar raised)*	mm				4270			
Overall Length (towing)*	mm				5740			
Overall Width					1865			
Height	mm				2210			
Ground Clearance	mm				260			
Tyre Sizes (off highway)	Front				700x12-12 ply			
	Rear				750X16-8 ply			
Compressed Air Outlets								
1 inch taps		-	6	-	-	-	-	-
1 inch BSP capped		5	-	5	5	5	5	5
2 1/2 wheel valve		1	-	1	1	1	1	1
Noise Levels								
Sound Power**	dB(A) L _{WA}	104			102			
Sound Power***	dB(A) L _{PA}	78			76			

* Except for models with less sound attenuation (for length deduct 145mm for weight deduct 220Kg.)

** Sound power to 84/533/EC ***Sound Pressure to PNEUROPN8NTC2.2 at 7m.

Options

Built- in aftercooler with automatic condensate separation

Especially useful in blast cleaning operations. Reduction of moisture content in compressed air prevents clogging of abrasive material in blast pots.

Air treatment packages

Microfilter air treatment packages are available with the above after cooler for industrial standby air and some blast cleaning applications. These provide air to ISO 8573.1 specifications, including ZTV SIB 90 with oil removal down to >0.01 ppm.

Heavy duty air Cleaners

With automatic dust ejection for very dusty drilling conditions.

Base Mount

Allows permanent installation on site or on the loading deck of a commercial vehicle.

Skid Mount

For dragging compressor over short distances on sand, snow covered surfaces etc.

Air braking and road lights

On highway air braking including road lights to EC standards. Details on request.

Overrun brakes

To assist in off highway towing.

Engine overspeed shutdown valve

An overspeed valve in the engine inlet port ensures immediate shutdown in the event of ingestion of inflammable gas to prevent damage from overspeeding engine.

Exhaust spark arrestor

To reduce fire risks during operation in hazardous areas such as petro-chemical plants and forests.

Customer's own paint colour (batches of 10)

For theft deterrence and hire company on site promotion.

All models are available with less sound attenuation

Intelligent Air Technology

Compressed air solutions for every application

Compressors

0.1 - 43m³/min
0.75 - 260kW

Lubricated

Rotary Vane

Single Stage Screw

Speed Regulated Screw

Piston

Portable

Oil-Free

Two Stage Screw

Water-Sealed Screw

Piston

Portable

Complete Accessories Programme

Filters and Dryers

Cooling Systems

Heat Recovery

Condensate Management

Air Receivers

Multi-Set Controllers

Lubricants

Value Added Services

Air Audit

Performance Reporting

Utility Air

Performance Contracting

Complete Service for Compressed Air Technology

Engineering of Complete Compressor Stations

Local Service Centres

Guaranteed Parts Availability



www.CompAir.com
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