



C110-9 – C170-9  
Portable Air Compressors



Intelligent Air Technology

## Key Features

Reliable, fuel efficient Perkins and Caterpillar turbo charged engines.

Rugged chassis for towing on uneven ground without distortion.

Precision built rotary screw compressor is directly driven with no mechanical losses through gearing so that energy efficiency is maximised.

Large 73 litre air receiver reduces on load cycle to further assist fuel efficiency.

Individually replaceable bolted steel canopy panels enable economical repair of accidental damage.

Canopy panels of zinc coated steel, electrostatically powder coated for maximum protection from corrosion.

Auto-shutdown systems protect against low engine oil pressure, high temperature of engine or compressor and low coolant level.

Low fuel level shutdown prevents costly call outs to reprime fuel system.





## C110-9 – C170-9

### Compact "fast tow" site compressors.

CompAir's long experience in design and manufacture of portable compressors for reliable service on world wide construction and mining sites is well reflected in this proven range of single axled "fast tow" models. Compact dimensions enable easy on highway transportation, and positioning on urban and industrial sites where space is limited.

The C110-9 and C170-9 provide respectively 11.3 and 17 m<sup>3</sup>/min. of air at a working pressure of 8.6 bar g (adjustable if required to lower pressures) for multi-tool construction site applications, outdoor blast cleaning, or factory standby air.

For higher working pressure of 12 bar g the 111-12 and 155-12 models are available, with free air delivery of 11.1 and 15.5 m<sup>3</sup>/min. respectively for extensive blast cleaning of large structures or operation of DTH hammers on drilling rigs in surface mining and civil engineering sites.

Continuous investment in the latest manufacturing equipment, modern powder paint plant, and rigorous implementation of ISO 9001 approved quality systems ensure you take delivery of a reliable, high quality product.



## Features

Easily understood control panel, with lockable steel door and all necessary instrumentation, including delivered air pressure gauge, hour meter, low fuel warning light 30 minutes before shutdown and indicator lamps for automatic shutdown systems.

Large capacity steel fuel tank with gauge\* and removable plates\* for tank cleaning.

\* Not available on C400-125.

Heavy duty 16 inch commercial vehicle tyres, 12 ply rated on 170-9 and 155-12, for added durability on sites.

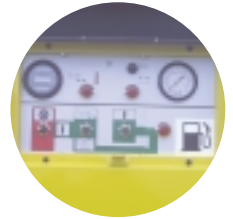
Engine start up on low compressor load for additional durability is provided by an air line control system using solenoid valves controlled by engine temperature switch.

Control system also regulates air inlet valve and pneumatic engine speed controller to match closely engine speed to air demand thus maximising fuel economy.

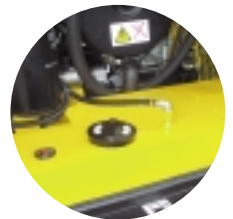
Rear of instrument panel enclosed and electric wiring loom in plastic duct to protect electrical system from power washing and dust.

Engine and compressor have heavy duty air filters with pre-separation stage and safety element to minimise damage from oil contamination in dusty applications such as drilling.

Jockey wheel for safe easy positioning.



Easily understood control panel with lockable steel door



Fuel tank gauge and inspection plates



Chassis built construction



Air aftercooler option  
(photo shows model during assembly)



Optional 9 litre capacity in line lubricator for tools

Model		C110-9	C400-125	C111-12	C170-9	C155-12
<b>Operational Specifications</b>						
Free Air Delivery at Rated Pressure	m <sup>3</sup> /min	11.3	11.3	11.1	17.0	15.5
Rated Operating Pressure	bar g	8.6	8.6	11.7	8.6	11.7
Oil Capacity Compressor System Engine	litres	25	25	25	32	32
		Perkins 1004.40TW	Perkins 1006.6	Perkins 1006.60T	Caterpillar 3116TA	
97-68-EC Emission Compliant		Yes	No		Yes	Yes
Full Load Speed	rpm	2300	2500	2500	2450	2300
Output at Rated Speed	kW	91	95.5	112	160	158
Fuel Tank Capacity	Litres	162	182	200	250	250
<b>Working Weight (wet)</b>						
Straight towbar, braked	kg	2125	2170	2300	2700	
Adjustable towbar, braked	kg	2170	2215	2345	2735	
<b>Overall Dimensions</b>						
Overall Length, straight towbar	mm	4160	4235	4235	4445	
Overall Length, adjustable towbar	mm	4295	4370	4370	4605	
Overall Width	mm	1870		1870		1870
Height	mm	1635		1685		1685
Canopy Length	mm	2845		3100		3100
Wheel Track	mm	1620		1620		1620
Ground Clearance	mm	280	250	280	230	
Tyre Size		750R-16 8 ply			750R-16 12 ply	
<b>Compressed Air Outlets</b>						
<sup>3</sup> / <sub>4</sub> " BSP taps		4		-		-
<sup>3</sup> / <sub>4</sub> " BSP capped		-		-		4
2 in. plug		1		-		-
2 in. wheel valve		-		-		1
<b>Noise Levels</b>						
Sound Power*	dB(A) L <sub>WA</sub>	102		102		102
Sound Pressure**	dB(A) L <sub>PA</sub>	76		76		76

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

## Options

### Built-in Lubricator

9 litre capacity oil reservoir in the air delivery line ensures that pneumatic tools are always in top condition.

### 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 (C110-9 model only)

With the after cooler above can be added air treatment packages for every compressed air need or industrial supply back up:

Built-in microfilter combination to provide air to ISO 8573.1 specifications, including ZTV SIB 90 with oil removal down to >0.01 ppm.

### Base Mount

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

### Road Lights System including Fog Light\*

A complete system conforming to EEC lighting regulations.

### Adjustable Height towbar\*

For safe, easy towing behind a variety of vehicles a towbar with variable coupling height is available:

Height from 470 to 750 mm on C110-9, C111-12 and C400-125 and from 435 to 720 mm on C170-9 and C155-12 models.

### Variety of Towing Eyes

40 DIN, 50mm BS AU 24, 50mm ball hitch, 76 NATO etc.

### Engine overspeed shutdown valve

An overspeed valve in the engine 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.

\* Supplied as standard in certain European Markets

# Intelligent Air Technology

Compressed air solutions for every application

## Compressors

0.1 - 43m<sup>3</sup>/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



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