



Portable Power

12/250 Platform | Product Range

STAGE III B 
TIER 4 INTERIM



Portable Air Compressors

Performance you can trust

The introduction of **Stage IIIB** standards offers us an opportunity to provide our customers with a **new design** that meets their daily demands: **highly efficient**, **reliable**, **service-friendly** and **cost-effective** machines that operate with minimal impact on human health and the **environment**. Intensive "voice of customer" efforts highlighted the importance of size and serviceability, inherently conflicting targets. This **new platform** offers the best of both worlds: **reduced size** (facilitates transport) and unparalleled **service access** (improves maintenance performance).

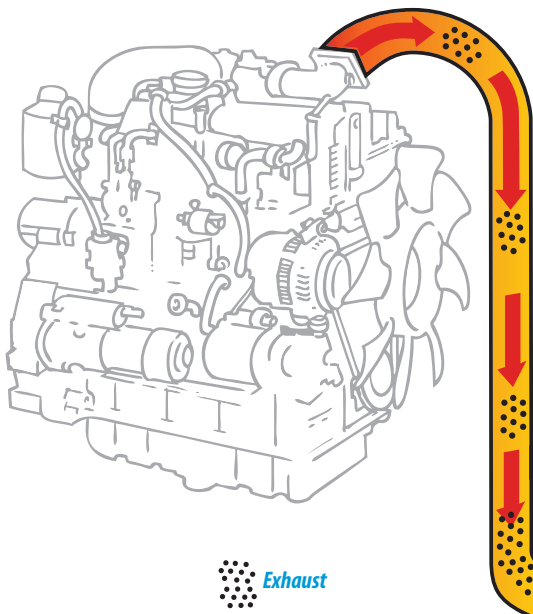
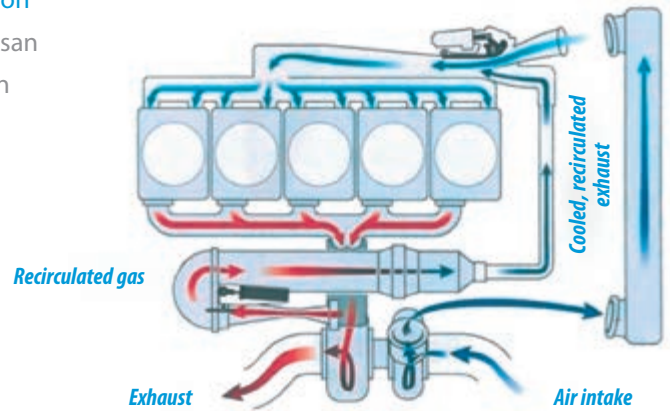


Standard features

- Forklift pockets with removable covers
- Bunded base and central drains

Exhaust Gas Recirculation (EGR)

Also known as **CEGR** (Cooled Exhaust Gas Recirculation), EGR, which requires enhanced cooling capacity, **reduces NOx** (Nitrogen Oxides) by recirculating **exhaust** back into the engine. This dilutes the amount of oxygen in the combustion chamber and lowers the combustion peak temperature. As a result, **NOx formation is reduced** but **PM** (Particulate Matter) **is increased**. Therefore, Doosan uses EGR in combination with systems which are highly effective in reducing PM, as shown below.

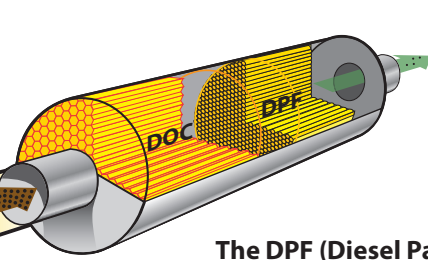


Exhaust

Exhaust with higher PM concentration goes in.

The DOC (Diesel Oxidation Catalyst)

The **DOC** is a special catalyst that **reacts with engine exhaust** upon contact. The reaction **transforms PM emissions** in the exhaust into **harmless substances** such as water and carbon dioxide.



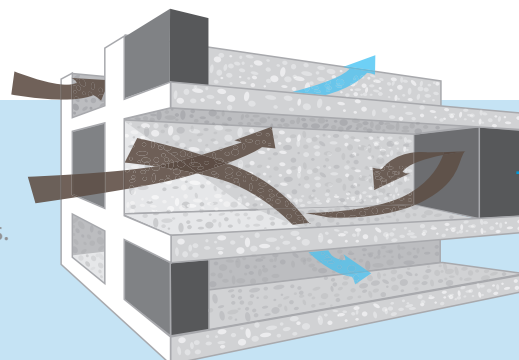
Cleaned exhaust with lower PM concentration comes out.

The DPF (Diesel Particulate Filter)

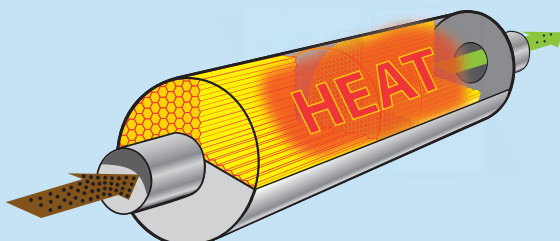
The **DPF** filters engine **exhaust** to remove PM. It consists of a **ceramic wall flow filtration system** that separates PM from the exhaust.

Wall Flow Filter

Dirty exhaust (brown arrows) passes through the filter walls. PM is left behind and cleaned exhaust (blue arrows) exits.



Barriers force exhaust to pass through filter walls.



DPF Regeneration

To keep the DPF clean and working efficiently, the high temperature of the exhaust itself is used to burn accumulated PM off the DPF. This semi-automatic cleaning process is called regeneration.



❶ Wide opening rear canopy which, together with the removable panel, provides access to the radiator from either side for cleaning.

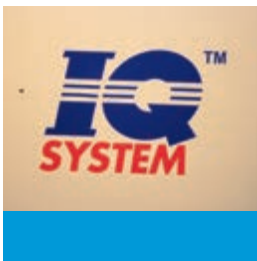
❶



❷



❷ The unit comes as standard on a wagon wheel style running gear. Depending on customer requirements, available as options are the "fast tow braked wagon wheel running gear" which allows the unit to be towed on public roads as well as the "no wheels" chassis (permanent mount).



Modular design and flexibility

③ Highly modular design allows optional equipment to be added easily. The [wide range of options](#) available allow the machines to be adapted to the specific application, such as fitting of an [aftercooler](#) with water separator and additional filters (IQ-system), to a personal paint scheme in the customer's livery.

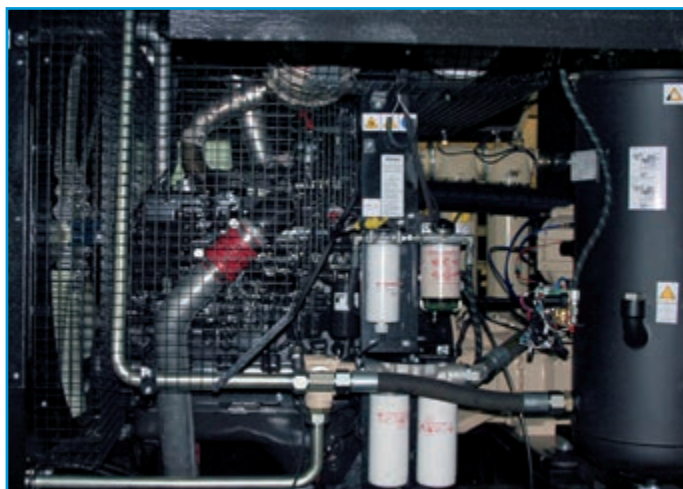


④ The gull wing doors design and drop-down side panel provide unmatched access to the unit, facilitating service, inspection, and repair.

Service and maintenance made easy

Engine compartment, right side

Feature: Convenient easy access to the central drains, oil filters, fuel filters and the separator tank is centralised on this side of the unit. The separator tank has a swinging lid which allows removal of the element without any further dismantling of the body.



Engine compartment, left side

Feature: On this side of the unit you have easy access to the engine oil filter, coolant conditioner, batteries & battery switch, the aftercooler (optional) and additional filters. The low level wide mouth fuel filler is well positioned and allows refuelling by jerrycan. As an option, the filler neck can be placed on the other side or even at both sides of the unit if preferred.



Control panel

Feature: Entirely new operator interface with an intuitive joystick control and a full colour digital display.

Benefit: Easy to read, choice of gauge and display styles, integrated e-reader library preloaded with full set of manuals, full machine status and fault code history. The WiFi interface (optional) provides live streaming of data to the laptop, tablet computer or smartphone of the operator or service technician.

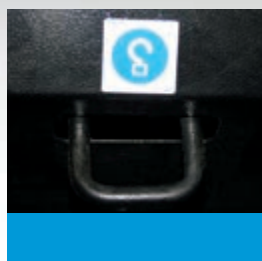
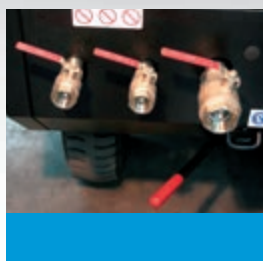




Model	9/275	9/305	12/250	17/240	21/220
Performance					
Free air delivery - m ³ /min (cfm)	27.0 (950)	30.0 (1060)	25.0 (880)	23.5 (825)	21.5 (750)
Rated operating pressure - bar (psi)	8.6 (125)	8.6 (125)	12.0 (175)	17.2 (250)	21.0 (300)
Engine					
Make	Cummins	Cummins	Cummins	Cummins	Cummins
Model	QSL9	QSL9	QSL9	QSL9	QSL9
No. of cylinders	6	6	6	6	6
Full load speed - rpm	1800	1800	1800	1800	1800
Power - kW (hp)	227 (304)	254 (340)	254 (340)	254 (340)	254 (340)
Fuel tank capacity - L	485	485	485	485	485
Dimensions on running gear					
Length - mm	5841	5841	5841	5841	5841
Width - mm	2120	2120	2120	2120	2120
Height - mm	2497	2497	2497	2497	2497
Weight (working) - kg	5160	5160	5160	5360	5360
Dimensions on permanent mount					
Length - mm	4408	4408	4408	4408	4408
Width - mm	2120	2120	2120	2120	2120
Height - mm	2497	2497	2497	2497	2497
Weight (working) - kg	4575	4575	4575	4775	4775

Easy access

Access to the new full colour digital display interactive control panel and air filters is convenient and easy.



Other standard features

Multiple air outlets and tie-down points.

The Portable Air Compressors journey starts here



Peace of mind

All compressor products carry a **1 year or 2000 hours warranty**. The **airend** carries a **standard 2 years or 4000 hours warranty**. Conditional on the continued use of genuine parts, fluids & filters and the machine being serviced at the correct specified intervals by an authorized DPP distributor, the airend warranty can be **extended to 5 years or 10000 hours**. This warranty option **enhances the resale value** through the ability to transfer the warranty from one owner to the next.

Aftermarket solutions

- Dealer stocking programme for frequently-used parts
- Express availability for other parts
- Supporting you and your dealer with diagnostic expertise on difficult service problems

Financial solutions

Financing and leasing options tailored to meet your individual business needs. Our streamlined loan application and credit approval process can quickly make your business plans a reality.

With Doosan Portable Power, you are not just buying a piece of equipment. You are investing in the strength and expertise of Doosan Portable Power and its people. From engineers and factory technicians, to field representatives and your dealer, we support your purchase. We are committed to helping you realize maximum value job after job, day after day. Wherever you see a piece of Doosan Portable Power equipment, you'll know that all of Doosan Portable Power team is behind it.

Our industry-leading support system will keep you up and running for as long as you own your Doosan Portable Power equipment. Doosan Portable Power is committed to supporting each product throughout its life. We are committed to offer you an invaluable source of product information, financial service, training, technical service bulletins, service, parts and more...

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More than compressors



Portable Power

Specifications and design are subject to change without notice. Pictures of Doosan Portable Power products may show other than standard equipment.

