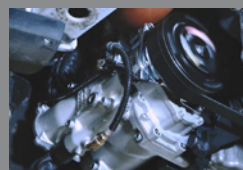


# Techni

S Y S T E M S





## Techni Systems/What we do

### Engine Mounted Air Compressor Systems



**VR40** - 40 CFM, light and fuel efficient.



**VR70** - 70 CFM, powerful and compact.

### Stand Alone Air Compressors



**G30 / G30 STACKED (30CFM)** - The lightest petrol driven rotary screw air compressor.



**D60 (60CFM)** - The most intelligent mobile air compressor.



**HD40/60 (25-60 CFM)** - The smartest, smallest and most powerful hydraulic air compressor.

### Service and Support



**Nationwide** fully trained in-house engineers are committed to giving you complete piece of mind.

### Vehicle Conversions



**Bespoke vehicle conversion solutions** for you and your business. Our one-stop-shop allows you to have your onboard air compressor system installed at the same place as your vehicle conversion.

2007

Techni Ltd established

2015

Techni Systems began selling VMAC driven products and systems

2018

Techni Systems became the European Master Distributor for VMAC products

2022

Techni Systems expands with over 6,000 square ft. of additional space and a new dedicated showroom

Powered by **VMAC**  
AIR INNOVATED

Techni  
SYSTEMS

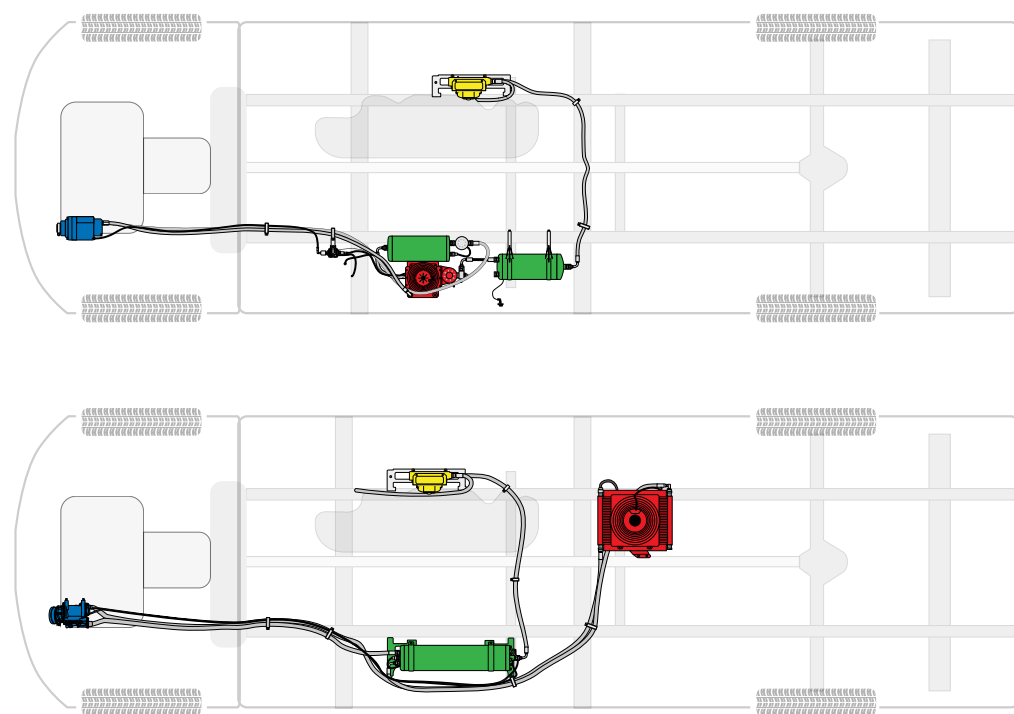


## Engine Mounted Compressors

Techni's mobile compressed air systems are the best choice for customers who need to **save load space, reduce gross vehicle weight, increase payload and minimise maintenance requirements.**

Our expertise and experience in this specialist field allows for the mounting of components such as air compressors onto today's complex engines. All systems feature the patented **VMAC** rotary screw air compressor.

**Instant air available** at the touch of a button. **No timely delays** waiting for the air to build up pressure & volume, just instant air on demand with **all components under bonnet and under chassis.**



VR40  
VR70

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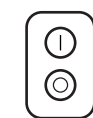


## Engine Mounted Compressors/Quick Facts



### MAXIMISE PAYLOAD

Zero footprint in your payload area, save weight and free up valuable space for transporting additional tools and equipment, preparing you for any job.



### EASY TO OPERATE

With the engine idling and handbrake applied, a simple on/off switch turns on the compressor system. Once on, an electromagnetic clutch engages the compressor, the engine idles up, and the rotary screw compressor delivers a steady, continuous, flow of air to your tools, on demand.



### FREE UP TO 25 CUBIC FEET

Free up to 25 cubic feet of space as the air compressor mounts in the engine bay and under the chassis. No components installed in the vehicle load space.



### 100% DUTY CYCLE: HANDLE ANYTHING ON YOUR JOB SITE

The powerful VMAC rotary screw compressor provides continuous high volume air to run a wide range of pneumatic tools including impact wrenches, grinders, road breakers, air guns and post pounders.



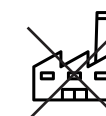
### AVOID FRUSTRATING BREAKDOWNS AND MAINTENANCE ISSUES

Our systems don't have their own engine that needs constant maintenance, this means less time and money is spent on fixing engine issues.



### WORK IN ANY CLIMATE

Designed for, and have a proven track record in the harshest environments. Our engine mounted systems are engineered to work where you do.

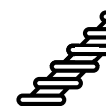


### NO FACTORY FITTED OPTIONS REQUIRED

Our systems do not require any factory fitted options.

**We can fit our systems to stock vehicles.**

### ROTARY SCREW QUICK FACTS:



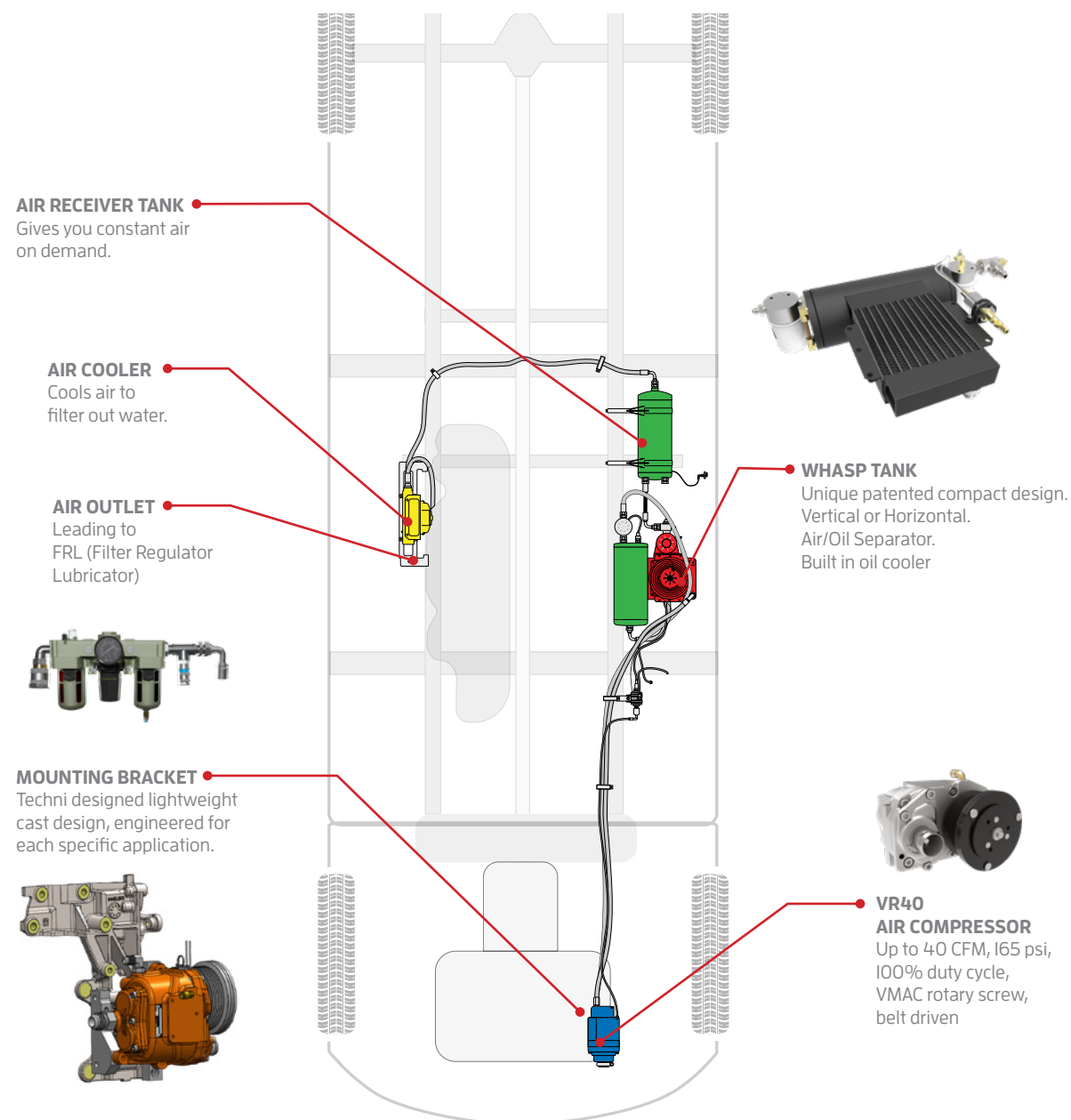
- Long history of superior performance and durability.
- Powerful 100% duty cycle – no need to wait for large tanks to refill.  
A quicker, safer, more professional operation.
- A drier, cooler option compared to reciprocating compressors, produces less unwanted heat and moisture in the system.

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The Techni Systems **VR40**, 40CFM rotary screw compressor is the perfect choice for **mobile tyre fitting and service/support vehicles**. Its compact, powerful design is fully engineered to integrate into light commercial vehicles.

**FREE UP VALUABLE SPACE | REDUCE WEIGHT | INCREASE PAYLOAD**

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**When no air is being used the system will shut off and automatically restart once tools are used and air is required. This lowers fuel consumption, emissions and noise pollution.**

### MAXIMISE PRODUCTIVITY

WITH UP TO 40 CFM 100% OF THE TIME

Should concerns over off road driving be an issue, only 1.7 cubic feet is required in the load area for a vertical WHASP tank fitted within our VOB. With all of the system components (excluding the compressor on the engine) within the VOB it also makes it easier to switch the system between vans when needed.\*



### VR40 Pneumatic Tools:

- 1" Impact Gun
- Drills
- Tyre Inflation
- Air Jack
- Die Grinders
- Tyre Changer
- Light Chipping Hammers
- Pneumatic Hand Tools

### Ideal for:

- Commercial Tyre Fitting
- Forklift Repair
- Utilities
- On-site Maintenance Vehicles

### SYSTEM WEIGHT (WET)



### CONTROL BOX



Easy to read hour meter, high idle adjustment.

### SAFETY FEATURES



- Electromagnetic clutch
- Compressor thermal protection circuit
- Automatic rapid blow-down valve on tank
- 200 psi pressure relief valve
- Hand brake must be engaged.

### WARRANTY



One year on all components. For details visit [www.technisystems.co.uk](http://www.technisystems.co.uk) Extended warranty contracts available.



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\* Additional costs applied

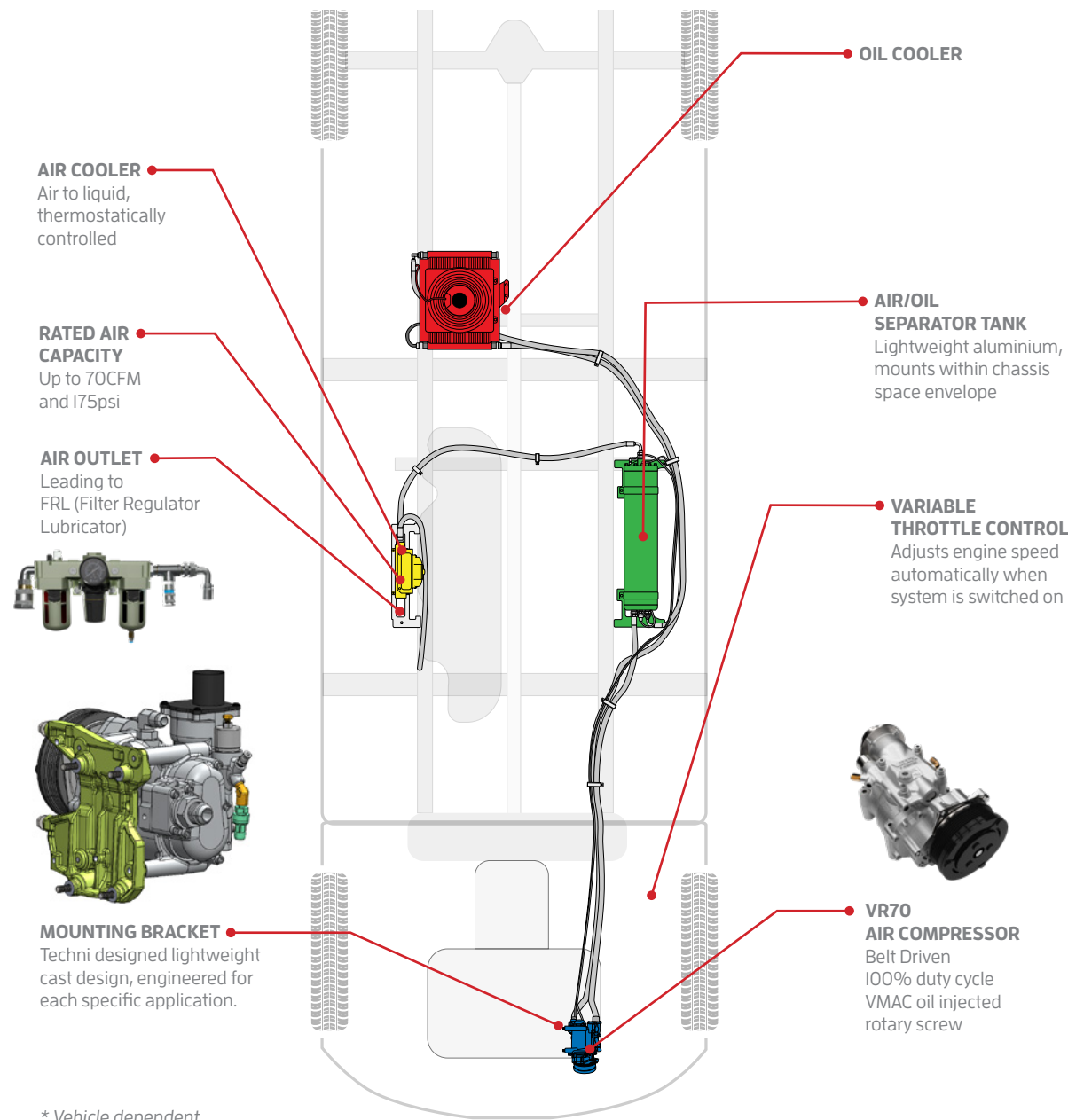
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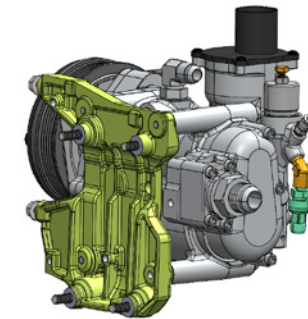
The Techni Systems **VR70**... The most powerful engine mounted belt driven air compressor available.

**Delivering a constant 70CFM\* and up to 175psi, you will be faster and more efficient with your VR70 compressor.**

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\* Vehicle dependent



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The powerful VMAC rotary screw compressor provides continuous high volume air to run a wide range of pneumatic tools.

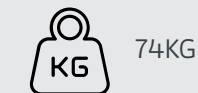
#### VR70 Pneumatic tools:

- Impact Wrenches
- Grinders
- Road Breakers
- Tyre Changers
- Air Guns
- Post Pounders
- Mole
- Spinners
- Stihl Saw
- Water Pumps

#### Ideal for:

- Industrial Tyre Fitting
- Utilities
- Heavy Equipment Repair
- Sign Installation
- Mobile Mechanics
- Fibre Blowing
- Cavity Wall Insulation

#### SYSTEM WEIGHT (WET)



#### DISPLAY & CONTROL



LCD display, service notifications, error messages diagnostics & system temperature

#### SAFETY FEATURES

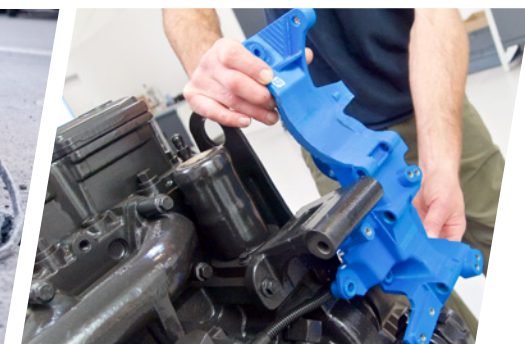


- Electric clutch
- Compressor thermal protection circuit
- Automatic rapid blow-down valve on tank
- 200 psi pressure relief valve
- Hand brake must be engaged

#### WARRANTY



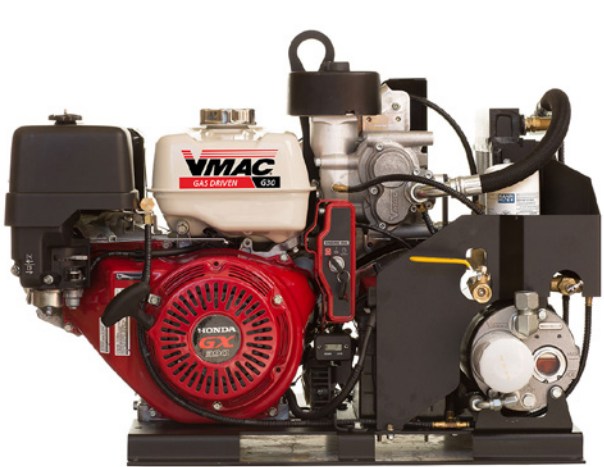
One year on all major components. For details visit [www.technisystems.co.uk](http://www.technisystems.co.uk) Extended warranty contracts available.



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The **G30** is lightweight, portable and easy to operate.



G30



G30 Stacked

**30 CFM. 100% OF THE TIME**

Patented 30 CFM rotary screw air compressor designed to produce full air power, 100% of the time. Get jobs done faster, without interruption.

**50% LIGHTER & SMALLER**

The latest rotary screw technology integrated into a compact, turn-key package that is significantly lighter and smaller than any other competitive model. With 2 optional configurations—standard or stacked—you can fit more tools, equipment and supplies on your van, without hassle.

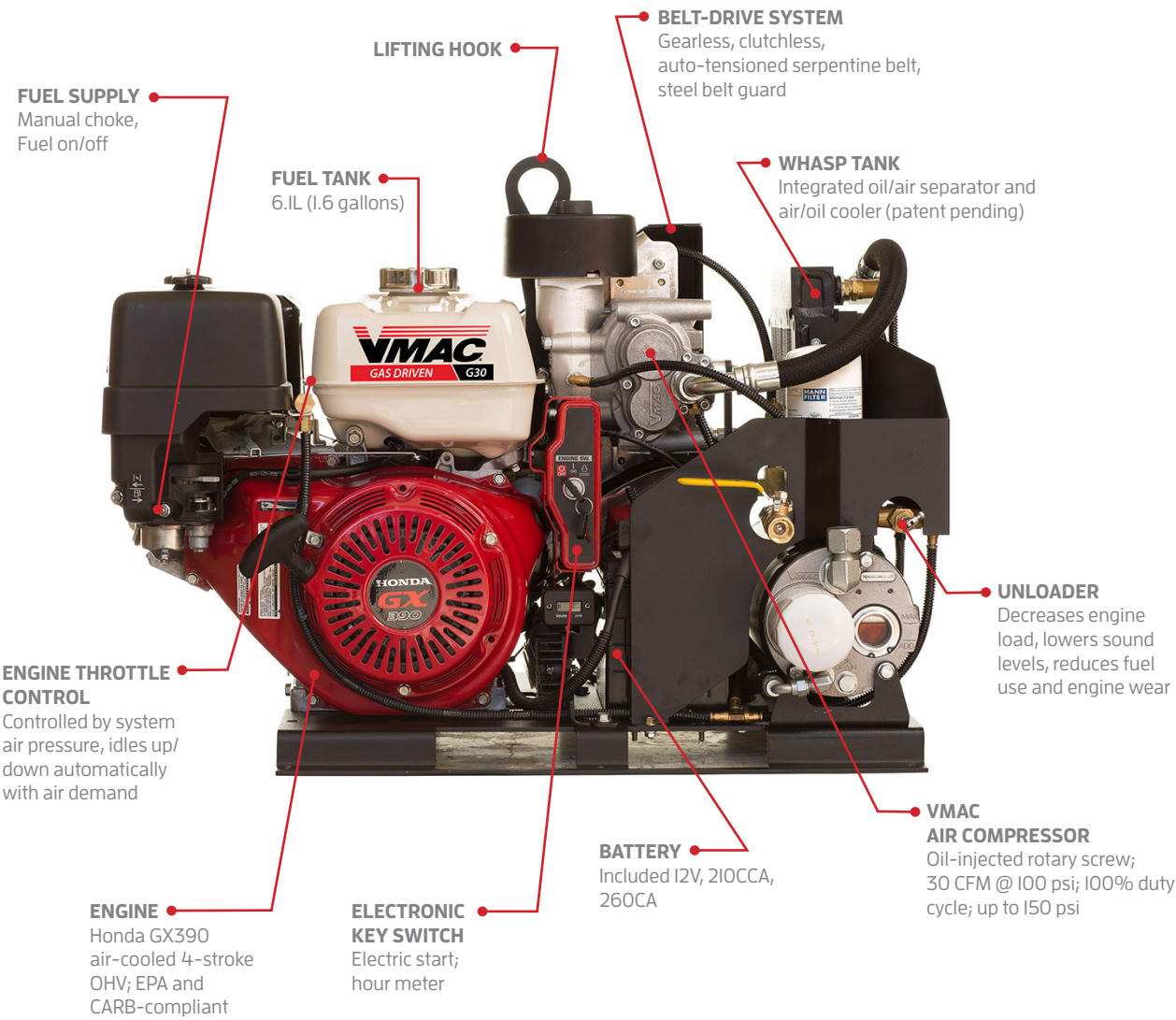
	G30	G30 Stacked
Weight	88KG	90KG
Dimensions	85.1 cm (l) X 54.4 cm(W) X 60.7 cm (H)	50.9 cm (l) X 45.7 cm (W) X 96.5 cm (H)
Decibels (dB)	@ 20 feet (6.1 meters): 67-8ldB	@ 20 feet (6.1 meters): 67-8ldB
CFM	30 CFM (850 L/min)	30 CFM (850 L/min)
psi	Max 150 psi (10 bar)	Max 150 psi (10 bar)
Safety features	• Compressor thermal protection circuit • Automatic rapid blow down valve on • 200psi pressure relief valve • Low engine oil pressure shut-off	

NB: Tanks not included due to a variety of customer requirements. Tanks can be provided to suit your application needs.

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**G30 QUICK FACTS:**

- Powerful 100% duty cycle means you can fill a tractor trailer tyre in 180 seconds.
- Rotary screw compressors have a long history of superior performance and durability.
- Smooth air delivery eliminates the need for receiver tanks in most applications.



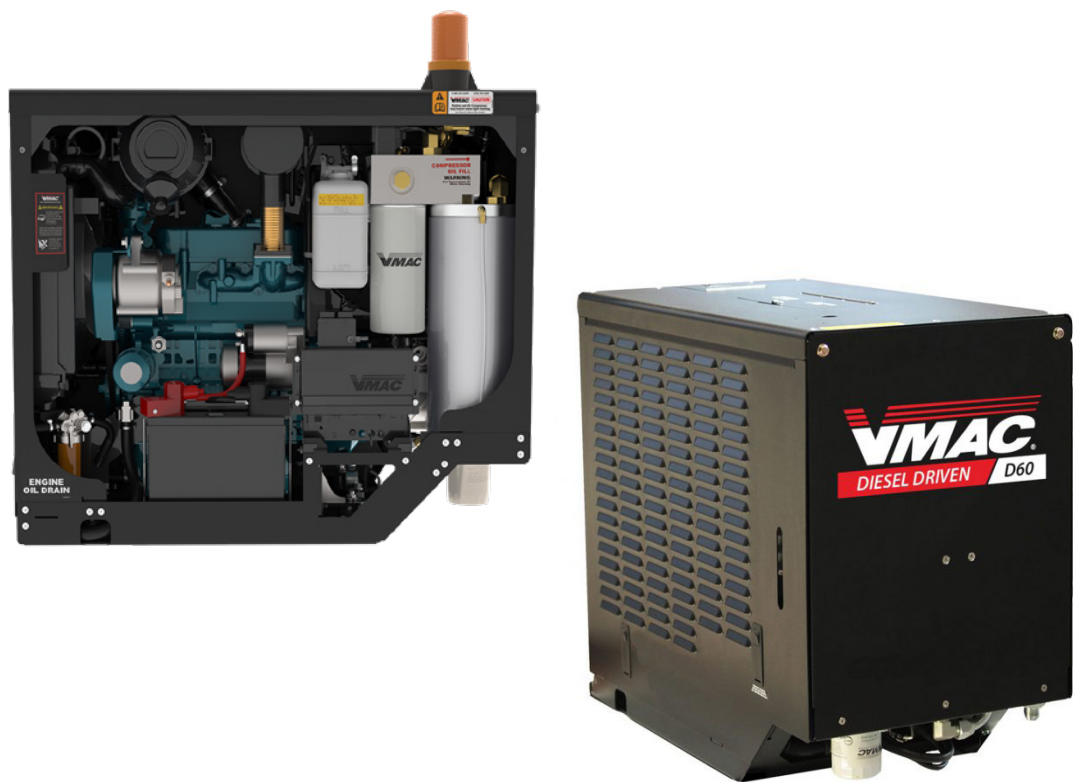
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The **D60** - At only 4.3 square feet, the D60 is the most compact, powerful 60 CFM diesel driven compressor system on the market.



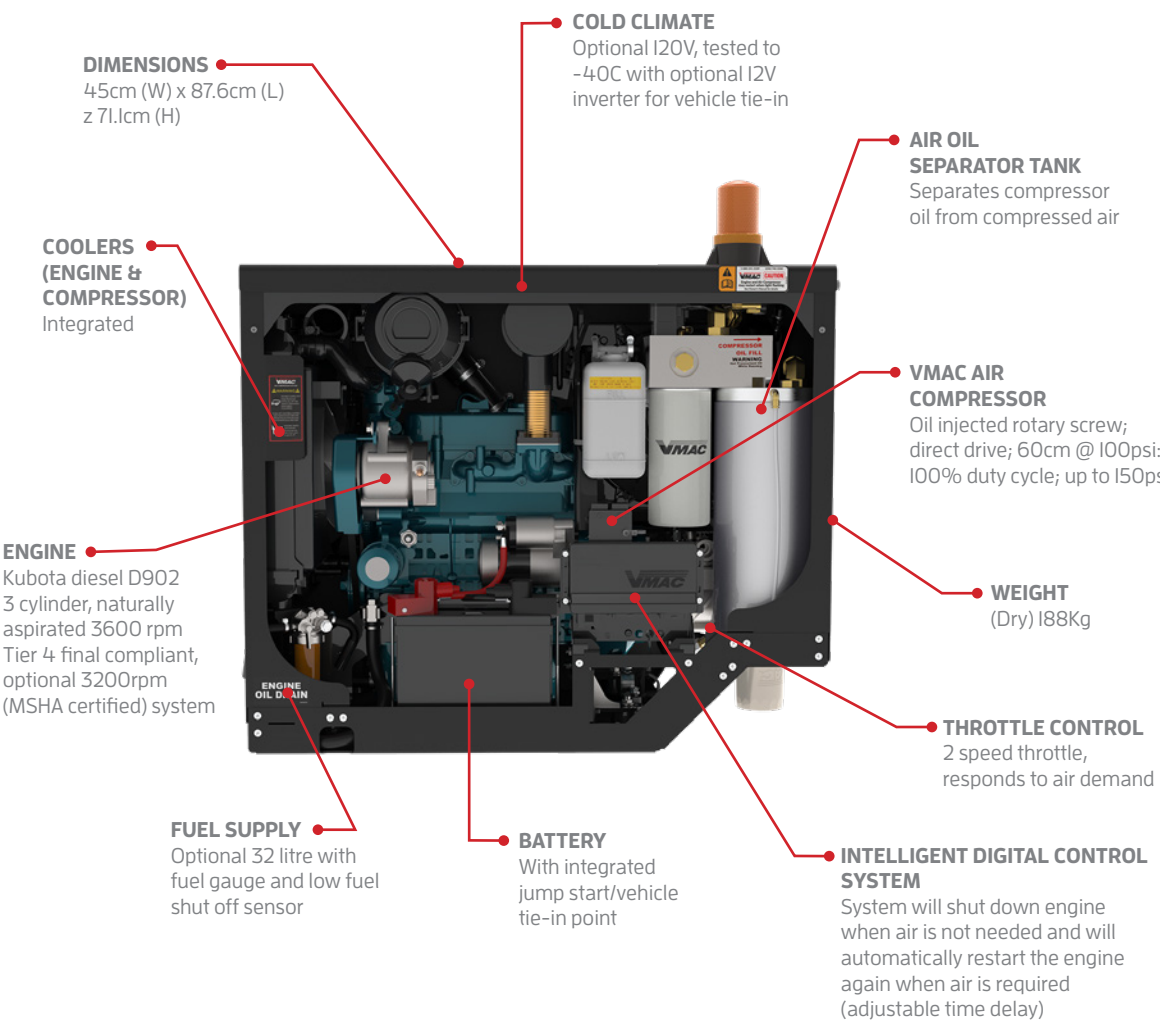
	D60
Weight	188KG
Dimensions	87.6 cm (l) X 45 cm (W) X 71.1 cm (H)
Decibels (dB)	83 dB High Idle
CFM	60 CFM (1699 L/min)
psi	Max 150 psi (10 bar)
Safety features	<ul style="list-style-type: none"><li>• Automatic rapid blow - blow down valve on tank</li><li>• 200 psi pressure relief valve</li><li>• Engine and compressor over temperature shut-down</li><li>• Low fuel warning with optional fuel pump to vehicle's fuel tank</li></ul>

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D60

D60 QUICK FACTS:

- External diesel fuel pump kit available
- The D60 automatically turns itself off when no air is used, decreasing noise and controlling emissions.
- The D60 diesel drive ensures that, in most cases, you only need one type of fuel for fill ups, eliminating the opportunity for error in filling the fuel tank with the wrong fuel.



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The **HD40/60** - The **lightest** hydraulic vehicle mounted **air compressor** available

The Techni Systems HD range is designed to work in the most extreme climate conditions, with built-in protection to operate anywhere you work. Techni Systems offers two HD models that provide a CFM range of 25-60 CFM (708l/min – 1699l/min) of continuous air output and 100% duty cycle.



**SAVE UP TO 5% IN FUEL** - Optimise your fleet with the lightest hydraulic vehicle mounted air compressor in its class. By reducing your GVW by as much as 118 kg, you could save up to 5% in fuel costs.

	HD40	HD60
Weight	68 kg	74 kg
Dimensions	42cm (W) X 61 cm (L) X 46cm (H)	42cm (W) X 61 cm (L) X 46cm (H)
Decibels (dB)	@ 20 feet (6.1 meters): 67-8ldB	@ 20 feet (6.1 meters): 67-8ldB
CFM	25-40 CFM (708-1133 L/min)	40-60 CFM (1133-1699 L/min)
psi	Max 150 psi (10 bar)	Max 150 psi (10 bar)
Hydraulic flow required	34-46 LPM (9-12 GPM)	53-80 LPM (12-21 GPM)
Safety features	<ul style="list-style-type: none"><li>• Compressor over-temp sensor</li><li>• Hydraulic overheat protection</li><li>• Over pressure shut-down</li><li>• Automatic rapid blow-down valve on tank</li><li>• 200psi pressure relief valve</li></ul>	

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HD40/60 QUICK FACTS:

- Performs in any conditions
- Up to 40 or 60 CFM @150 psi (10 bar)
- 100% Duty Cycle
- Lightweight, direct fuel saving
- Unique design protects the hydraulic system in extreme weather

**INTEGRATED HYDRAULIC/COMPRESSED AIR COOLER**  
12V activated fan, turns on/off automatically to adapt to hydraulic and compressor oil temperature

**SAFETY SYSTEMS**  
High temperature shut-down, cold start protection, 200PSI air pressure relief valve, automatic pressure blow-down valve 2,800 PSI hydraulic pressure relief valve, hydraulic cooler bypass check valve

**DIGITAL CONTROL MODULE**  
Controls system operation and stored settings

**ROTARY SCREW AIR COMPRESSOR**  
25-60 CFM (708l/min – 1699l/min) VMAC 100% duty cycle rotary screw compressor, directly driven off hydraulic motor

**AIR OIL SEPARATOR TANK**  
Separates compressor oil from compressed air

**HYDRAULIC CONNECTIONS**  
#12 ORB inlet, #16 ORB outlet

**WEIGHT**  
68Kg (HD40)  
73Kg (HD60)

**DIMENSIONS**  
42 cm (W) x 61 cm (L) x 46 cm (H)

**HYDRAULIC PRESSURE AT FULL LOAD**  
HD40 - 162 BAR (2345 PSI)  
HD60 - 169 BAR (2450 PSI)

**DIGITAL DISPLAY BOX**  
LCD for on/off controls, observing system status and adjusting parameters can be mounted where wanted on your vehicle



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VR40 vs VR70

	VR40	VR70
Mounting	Engine chassis & load space	Engine chassis
Air Flow (CFM)	40 CFM (1133 L/min)	70 CFM (1982 L/min)
System weight (wet)	71 KG	74.5 KG
Pressure output (max)	165 psi (11.4 bar)	175 psi (12.1 bar)
Build up time (sec)	25.5	6.4
Additional auxiliary tanks	10/20/30L*	N/A
Warranty	One year (extended available)	One year (extended available)
Engine idle rpm	800	1000
Max engine rpm	1600*	2000*
Throttle control	Fixed throttle	Variable throttle
Key points	<ul style="list-style-type: none"><li>• Continuous flow of air</li><li>• No waiting for compressor to build up</li><li>• Lightweight</li><li>• VOBV available for off road vehicles</li><li>• Compressor will switch off and on when needed, saving fuel.</li></ul>	<ul style="list-style-type: none"><li>• Continuous flow of air</li><li>• Variable throttle - the engine revs will build up and down depending on the air used</li><li>• Most powerful engine mounted air compressor</li></ul>
Ideal for	<ul style="list-style-type: none"><li>• Commercial Tyre Fitting</li><li>• Utilities</li><li>• Forklift Repair</li><li>• On-site Maintenance Vehicles</li></ul>	<ul style="list-style-type: none"><li>• Industrial Tyre Fitting</li><li>• Utilities</li><li>• Heavy Equipment Repair</li><li>• Sign Installation</li><li>• Mobile Mechanics</li></ul>

\* Dependent on vehicle platform.

Stand Alone Comparison

	G30	G30 Stacked	D60	HD40 <small>(12/24 Volt available)</small>	HD60 <small>(12/24 Volt available)</small>
Compressor type	Belt driven, 100% duty cycle, oil injected rotary screw		Direct drive, 100% duty cycle, oil injected rotary screw		
Rated air capacity	30 CFM @ 100 psi (150 psi max) (850 L/min, 6.9 bar)		60 CFM @ 100 psi (150 psi max) (1699 L/min, 6.9 bar)	25-40 CFM @100 psi (150 psi max) (708 – 1133 L/min, 6.9 bar)	40 – 60 CFM @100 psi (150 psi max) (1133-1699 L/min, 6.9 bar)
Weight (Dry)	88 Kg	90 Kg	188 Kg	68 Kg	74 Kg
Dimensions (L x W x H) cm	85.1 x 54.4 x 60.7	50.9 x 45.7 x 96.5	87.6 x 45 x 71.1	42 x 61 x 46	
Engine	Honda GX390 Engine		Kubota diesel engine	Hydraulic Motor	Hydraulic Motor
Fuel	Petrol		Diesel	N/A	N/A
Warranty	One Year Warranty				

\* Dependent on vehicle platform.

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Keep your system on the road by maintaining it correctly and with our Service and Extended Warranty packages, you will never have to worry about your system again.

Get your system serviced today with the only VMAC genuine parts available in the UK.

To reduce your system downtime to a minimum and get you back to work as soon as possible, with our variety of service plans, we'll be with you within 2 working days, with average response times within 24 hours.

Techni Systems Service Agreements/Plans:

PLATINUM

MOST POPULAR

Service & Extended Warranty

Monthly Payment Plan

Extended Parts and Compressor Warranty

Includes labour for complete Peace of mind

GOLD

Service Only

Monthly Payment Plan

12 Month Parts and Compressor Warranty

Fix your Costs

SILVER

Service Only

Pay as you go

12 months Compressor Warranty

No Commitment

BRONZE

Kit Only

No Contract

Do it yourself

Why is servicing your compressed air system so important?



**It's the law.** Under the PUWER Regulations 1998. The Provision and Use of Work Equipment Regulations (PUWER) place a duty on employers to ensure the work equipment they own, operate, and have control over is safe to use at all times. Employers have a legal responsibility to ensure all equipment is maintained and in safe working condition.



**Good housekeeping.** Why would you pay for one of the best compressors on the market and not look after it? Crazy right? Especially when the system is integral to the operation of your business.



**Nationwide** fully trained in-house engineers are committed to giving you complete peace of mind.



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Bespoke vehicle conversion solutions for you and your business.

We design our vehicle conversions to meet the needs of your business, from a simple lining to mobile tyre fitting equipment, beacons, lightbars, handwash, racking and much more.

**Our one-stop-shop allows you to have your on board air compressor system installed at the same place as your vehicle conversion, with no need to move your van across multiple locations.**

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### START TO FINISH SUPPORT

Our experienced team will work closely with you to ensure that your mobile workshop will be not only an enjoyable place to work, but it will also help to increase profitability, efficiency and job satisfaction.



#### Consultation

We want to know all about your business, and the way you carry out tasks. This along with discussions on your current vehicles in the field, should you have any, will allow us to discuss what works for you.



#### Design and Planning

Our knowledgeable team will get to work on creating a design to your specification and building your bespoke quote.



#### Installation

Our fully qualified install engineers bring your requirements to life ensuring precision and quality throughout the whole vehicle conversion process.



#### Aftersales and Support

Our fully trained engineers are on hand when you need them, with communication at the core of our business we will always be there for you. We offer national aftersales support.

Our goal is to help your mobile fleet to go the extra mile, as we understand that every business is faced with its own unique needs and requirements.

#### We supply and fit a range of:

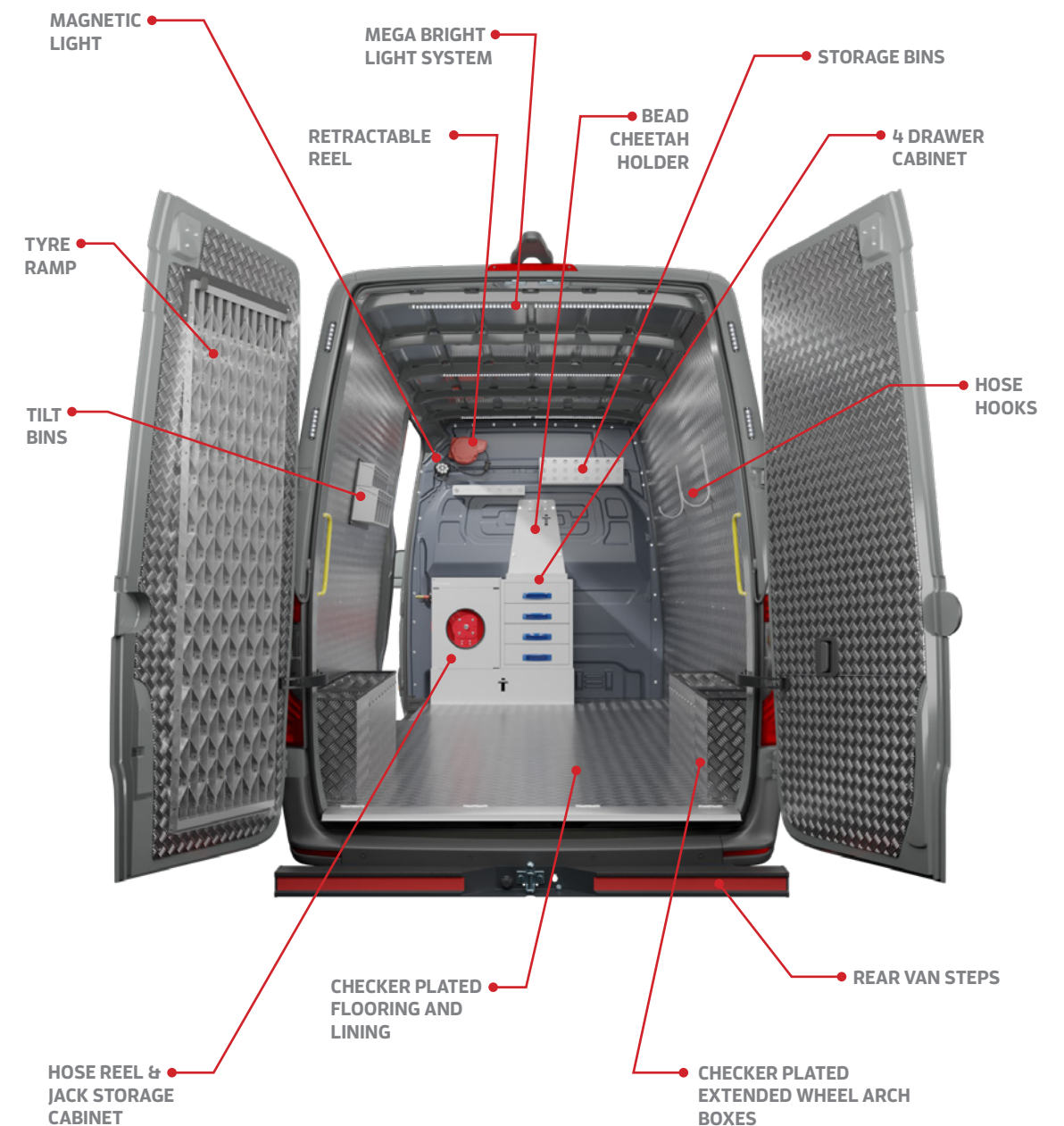
- Powder coated Accessories
- Exterior / Interior Lighting
- Vehicle flooring and lining
- Racking and storage solutions
- Tyre changing and balancing equipment
- Air accessories
- Steps and tow bars
- External & Internal graphics
- Much more...



We offer multiple levels of fit-outs as a base for our customers. These are fully customisable and you can pick and choose anything from each level to create your own bespoke conversion to suit your specific needs.

Our team will be able to assist in creating a vehicle conversion that will be to your exact needs and wants.

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CONTACT US TODAY TO DISCUSS YOUR CONVERSION REQUIREMENTS

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