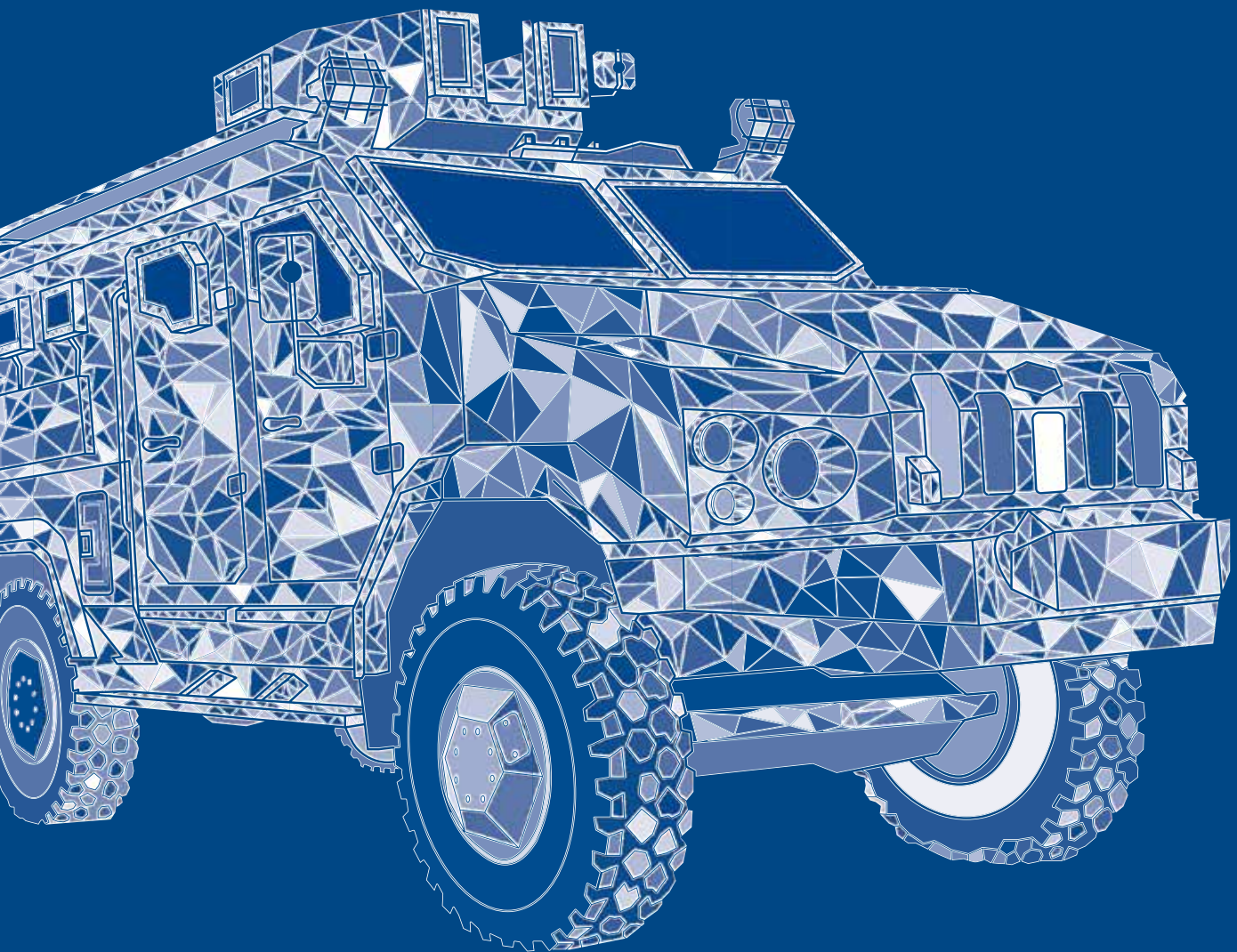


DEFENCE HVAC SOLUTIONS

FOR VEHICLE & DEPLOYABLE HEALTH SHELTER



KNORR-BREMSE

SIGMA

BUILT FOR THE TOUGHEST AIR CONDITIONS

ABOUT SIGMA

A KNORR-BREMSE GROUP COMPANY

SIGMA Air conditioning is part of the Knorr- Bremse Group, based in Munich Germany, the world's leading provider of system solutions for rail and commercial vehicles.

SIGMA Air Conditioning is a leading global company in the development of bespoke Heavy Duty HVAC Systems for the Rail, Mining, Industrial and Defence markets and an OEM supplier to global brands. With over 50 years of experience in specialised HVAC solution, our products are designed & engineered in Australia for global deployment.

For more information on the full range of SIGMA products, including access to your own electronic copy of the SIGMA HVAC Spare Parts Catalogue, go to www.sigma-hvac.com. If you need additional hard copies of the new sigma catalogue email mid.aus@sigma-hvac.com or call your local SIGMA Sales representative.



Granville Facility, NSW Australia

PRODUCTION & TESTING

Australian Industry Capability (AIC)
Australian designed, engineered validated, assembled and service ready for global deployment

THE AMERICA'S

- Argentina
- Brazil
- Canada
- Mexico
- USA

EUROPE / AFRICA / MIDDLE EAST

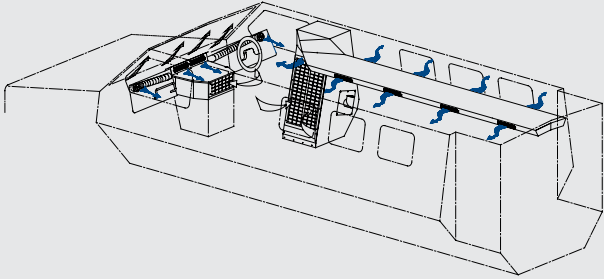
- Austria
- Belgium
- Czech Republic
- Germany
- France
- Hungary
- Italy
- Macedonia
- Netherlands
- Poland
- Romania
- Russia
- Spain
- Sweden
- Switzerland
- South Africa
- Turkey
- United Kingdom

ASIA / PACIFIC

- Australia
- China
- India
- Japan
- Kazakhstan
- Singapore
- South Korea



DEFENCE SOLUTIONS

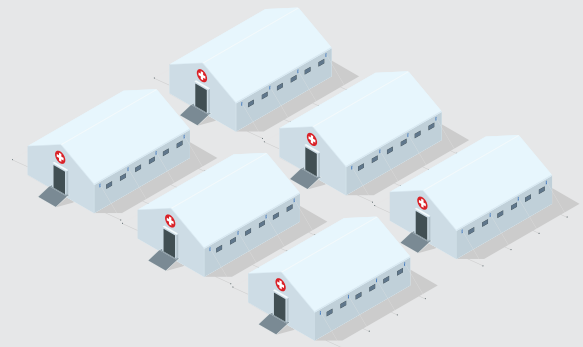


VEHICLE

SIGMA DMV14 system offers custom designed multi evaporator, high ambient, off-road dynamic vehicle air conditioning. The system offers robust and compact design to meet the requirements of Australian Army Specification 6292. Providing a total 14kW cooling capacity, this system comes complete with a fresh air pressuriser and filter to produce temperature controlled, positive pressure and dust free occupied space.

DEPLOYABLE HEALTH INFRASTRUCTURE

Sigma provides purposed built HVAC solutions for field hospitals and temporary deployable health infrastructure. Customised to any specifications with local support capabilities globally.



DC SOLUTIONS

Silent watch is becoming an increasingly important combat vehicle application and to address this requirement, Sigma offers its second generation Anti Idle system called Simplified Anti idle. This system is designed to draw power from an auxiliary power source, negating the need for the main power source/engine to be turned on providing comfortable clean ambient conditions for the occupants with minimum acoustic and infrared signature.



MILITARY SPECIFICATIONS

The equipment incorporates integrated high efficiency filtration modules to ensure suitability for field hospitals, operating theatres and inter-connected pre and post operating facilities. Conformance to Military specification allows the nominal capacity equipment to be adapted to virtually any application or configuration desirable and is easily identified by their allocated NATO part numbers.

BENEFITS

- High ambient operation capabilities
- Designed to Australian Army Defence Standards 6292
- Stainless Steel structure
- Heavy Duty Application
- Local designs, Global support

OPTIONS

- Gaseous contamination air purification
- Corrosion protection on heat exchanger
- HEPA filtration system
- Custom OE solutions

PRODUCTS



DPW6 Wall Mounted HVAC Package

COOLING	6kW
HEATING	4KW
AIR FLOW	230 l/s
POWER SUPPLY	415 VAC 3Ph
DIMENSIONS	960 x 660 x 410 mm
WEIGHT	150 kgs

HCF6 Anti Idle HVAC Package



COOLING (Remote off-engine compressor)	5 kW
COOLING (Integrated DC Compressor)	3.6kW
AIR FLOW	670 l/s
POWER SUPPLY	24 VDC
DIMENSIONS	752 x 429 x 480mm
WEIGHT	60 kgs

DMV14



DF48BX1 Console Evaporator

COOLING	4kW
HEATING	4KW
AIR FLOW	150 l/s
POWER SUPPLY	24 VDC
DIMENSIONS	568 x 557 x 268 mm
WEIGHT	19 kgs



DFW10BX2 Rear Evaporator

COOLING	10kW
HEATING	10 kW
AIR FLOW	440 l/s
POWER SUPPLY	24 VDC
DIMENSIONS	433 x 682 x 1110 mm
WEIGHT	55 kgs



DPW6 for movable shelter truck



DMV14 for Bushmaster



DMV4 for Unimog



DPF18MS1 for Field Hospital

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