



GO **YELLOW** with an
AEP **HPC** compressor
and **BE GREEN** ...

aep COMPRESSED AIR
TECHNOLOGIES

COMPRESSOR LIFECYCLE COST GUIDE

WHY IS SPECIFIC POWER SO RELEVANT?



$$P_{\text{spec}} \text{ specific power} = \frac{P \text{ total power consumption* in (kW)}}{\dot{V} \text{ effective air delivery (m}^3 \text{ /min)}}$$

The efficiency of a compressor is called the '**Specific Power**'. This is the ratio of total power absorbed by the compressor package to the volume of flow delivered (at a given pressure). Therefore the lower the specific power, the greater the efficiency and the higher the achievable energy savings. **HPC** compressors are measured in total specific power.

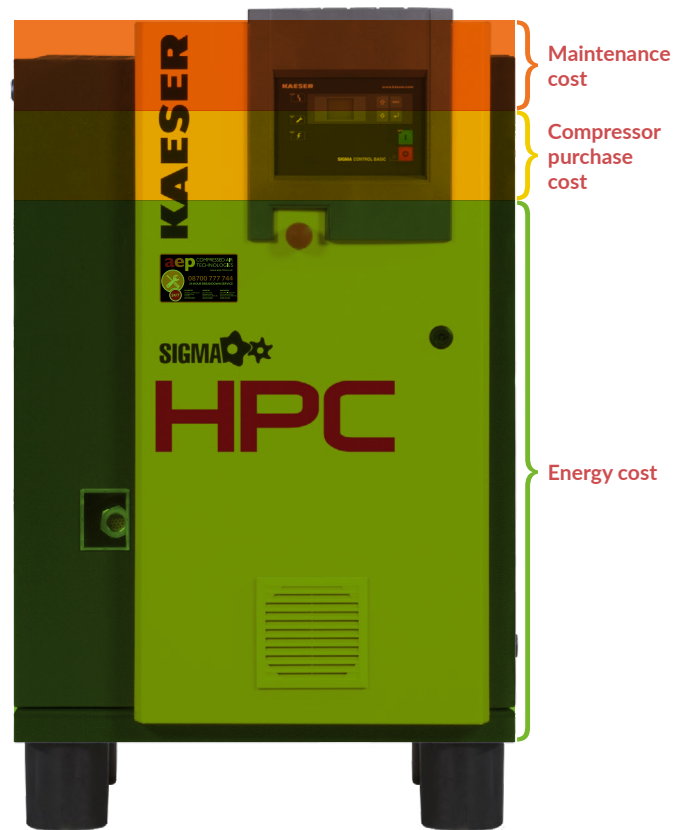
*** Please note - airend and motor shaft power does not indicate total absorbed power. Specific Power is the power pulled out of the wall by the package & includes fan motors, motor efficiencies etc. This is not plated or nominal power.**

Other brand compressor manufacturers may offer a less expensive package than AEP. However whilst this may offer a lower purchase cost initially, you may end up paying significantly more in energy costs over the lifecycle of the compressor. With ever increasing costs, reducing energy bills is more important now than ever. Contact us today to find out more!

Have you considered the complete cost of buying a compressor?

Energy costs alone can represent up to 75% of the lifetime costs of the compressor. Before you buy your next compressor ask us about:

- Kilowatts consumed by your compressed air system
- Compressed air produced versus kilowatts consumed
- Motor efficiency



Before purchasing your next compressed air package



Scan the QR code or book an appointment with the AEP team at sales@aep-ltd.co.uk

We'll help you choose the right compressor package for your business to help save energy costs and reduce your carbon footprint!



+44 (0)1404 548 000 | sales@aep-ltd.co.uk | aep-ltd.co.uk

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REDUCE YOUR CO₂ FOOTPRINT AND SAVE MONEY

Reduce your CO₂ footprint and convert up to 96% of energy from your new HPC compressor.

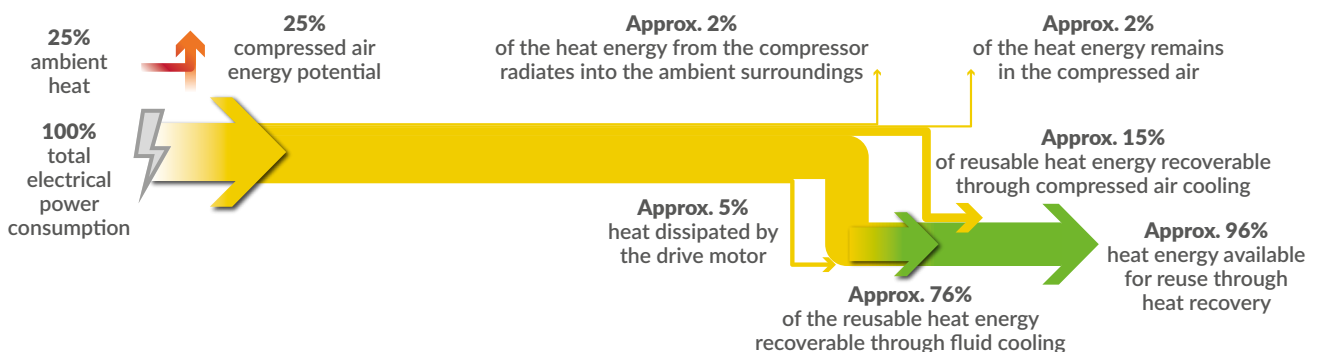
Our rotary screw compressors can convert almost 100% of the drawn electrical energy into heat. It is possible up to 96% of this energy can be recovered and utilised across your business operations.

Hot Air Utilisation

- Exhaust heat from your compressor can be used as hot air for space and process heating
- Huge savings can be achieved compared to fuel, oil or natural gas

Heating Service & Process Water

- Using recyclable compressor heat, heat recovery can heat water to 70°C (higher temperatures available on request)
- You can recover up to 76% of the heat energy. Heated water can then be used in production, heating or as service water



The fully-enclosed design of modern rotary screw compressors makes them well suited to the heat recovery process. Both fluid-injected and oil-free compressors can be used. Advantages of our heat recovering technology include:

Reduced Energy Costs

- Energy costs can account for up to 80% of life-cycle costs over the lifetime of a compressor; by recovering heat, these costs can be significantly reduced

Reduce CO₂ Footprint

- Lower the CO₂ emissions of your organisation by using it more efficiently

These are just a few examples but there are many more benefits you can tap into for your company.

Significant savings can be achieved using hot air heat recovery compared to fuel, oil or natural gas. Contact us today at sales@aep-ltd.co.uk if you would like the AEP team to help you calculate how much of your energy costs may be recovered.



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