

Mobilair M50E / M50E SFC

The versatile powerhouse

The proven 5 m³ M50E from the e-power series now comes in a new version with cutting-edge control technology. In addition to the existing model with a robust star-delta starter, the M50E SFC (Sigma Frequency Control) is now available with a frequency converter. This innovation significantly enhances the flexibility of this portable construction compressor, delivering decisive benefits across a range of applications.

With the frequency converter, maximum pressure can be adjusted seamlessly between 6 and 11 bar, making it easy to tailor performance to specific tasks - whether blowing out formwork at 7 bar or dry ice cleaning at 10 bar. The frequency converter also reduces starting current, making it the perfect choice for sensitive power networks, when operating with generators, or in future-ready applications with external battery storage. As a result, power network overloads are effectively prevented.

Moreover, motor speed is automatically adjusted according to air demand, optimising power consumption and further improving energy efficiency. This not only reduces costs but also makes operation of the M50E SFC even more sustainable.

Compact, durable and environmentally friendly

Despite its enhanced features, the M50E SFC remains a compact and highly portable unit, weighing in at under 750 kg. It is available with a roto-moulded, impact-resistant PE enclosure for mobile use or a zinc-phosphated, powder-coated metal enclosure for stationary applications. Both options provide excellent protection and long-term durability.

Another environmentally friendly feature is the optional compressed air aftercooler. Like all e-power Mobilair compressors, the separated condensate is collected in a dedicated container for safe and responsible disposal.

Ideal for construction sites and industrial service applications

The new M50E SFC is ideal for construction sites with a power supply, but it also excels as a temporary backup unit during service work on industrial compressor stations. Combining efficiency, flexibility, and sustainability, it sets a new benchmark for portable screw compressors.



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Image caption:



The M50E is a true all-rounder for construction site applications.



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