

The “Mobilair 200” with “Sigma Control Mobile”

Compact, Powerful, Efficient

The new “Mobilair 200” portable compressor from Kaeser Kompressoren combines an impressive free air delivery of 19.7 m³/min at 8.6 bar(g) with exceptional dependability and efficiency. This is made possible, in no small part, by Kaeser’s innovative “Sigma Control Mobile” (SCM) compressor and motor control system. Available with numerous equipment options, the “Mobilair 200” offers maximum flexibility for construction site applications.

Powered by a 147 kW 6-cylinder diesel engine from Caterpillar and featuring flow-optimised “Sigma Profile” airend rotors, the “Mobilair 170“ rotary screw compressor provides a free air delivery of 19.7 m³/min at 8.6 bar (g). 10, 12 and 14 bar versions are also available each delivering 18, 16 and 14.5 m³/min respectively. In addition, customers from non-EU countries also have the choice of a 7 bar export model providing a free air delivery of 21.2 m³/min.

Available with various equipment options, the “Mobilair 200“ provides a flexible source of energy for a wide range of construction site needs: This versatile unit can be supplied as an Alko chassis mounted version featuring a run-on brake and a fixed or height-adjustable tow bar, or, for stationary applications, can be supplied either as a skid-mounted version or with feet. Moreover, the unit’s lightweight also means that it can be towed by either car or truck. Optional additional equipment includes air treatment systems to provide cool, dry, oil-free air of various classes to meet the special demands of e.g. concrete repair as per German ZTV-SIB regulations, or fresh

air. A low temperature model is available for use in ambient temperatures down to -25 °C.

“Sigma Control Mobile”: User-friendly and efficient

By precisely matching motor power to actual compressed air demand, the “Sigma Control Mobile” (SCM) enhances compressed air availability as well as fuel efficiency. Moreover, the electronically controlled air intake valve allows system pressure to be precisely controlled to within 0.1 bar directly from the SCM’s display. This not only makes operation simple, but also significantly enhances fuel efficiency even when operating at partial load.

Specially tailored for Kaeser “Mobilair” products, the intelligent SCM was built to withstand the toughest of construction site conditions: A sturdy metal cover protects the control panel, screen and the input keys of the shock- and vibration-resistant control system. Moreover, the system is shielded against electromagnetic interference as per IP 65 standards and can be used in a temperature range from -20 °C to +70 °C. Amongst its many talents, the “Sigma Control Mobile” displays operational data, indicates operational modes, utilises logically structured menus for maximum user-friendliness and enables performance monitoring, as well as remote diagnostics. Further features include engine diagnostics, comprehensive system monitoring and alerts to potential problems and various maintenance messages. Users are therefore able to benefit from all of the advantages that modern compressed air technology has to offer including maximum machine availability and unrivalled system performance.

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Compact, powerful, efficient: Featuring the innovative “Sigma Control Mobile”, the “Mobilair 200“ portable compressor from Kaeser provides an impressive free air delivery of 19.7 m³/min at 8.6 bar(g). The unit’s lightweight means that it can be towed by either car or truck.