



Weishaupt WKmono 80

The next-generation burner for ratings up to 17 000 kW

That's reliability

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Weishaupt WKmono 80: The next-generation monobloc burner

The powerful output offered by the new WKmono 80 burner would have called for a burner with a separate combustion air fan, until now.

The monobloc design of the new burner means no air ductwork is needed, so installation costs are considerably reduced.

Powerful and compact

Throughout the design stages of burner development, particular emphasis was placed on a space-saving design. As a consequence, the dual-fuel WKmono 80 burner is very compact – just 1630 mm long – despite its 17 MW rating.

The burner is also notable for the aerodynamic, efficient, and noise-reducing design of its housing.

Clear, maintenance-friendly design

Despite its compactness, all of the burner's components – such as the mixing assembly, air dampers, and combustion manager – are arranged in a well-thought-out and readily accessible manner.

The standard-length mixing assembly can be moved to a servicing position within the burner housing; it is not necessary to remove it.

The complete removal of longer mixing assemblies, with combustion heads up to 1100 mm long, can be easily achieved by withdrawing the assembly back through the burner housing.

Straightforward commissioning

The burner is commissioned using an operator-friendly, menu-driven burner commissioning program.

The integrated sight glass makes it easy to observe the flame and the burner's combustion behaviour.

New yet well-proven

The mixing assembly and numerous other components originate from the tried-and-trusted WK burner range.

This provides many advantages to installers and operators in areas such as the procurement and storage of spare parts, as well as in training and burner maintenance.

Precise and reliable

Modern combustion technologies demand a precise and continually reproducible dosing of fuel and combustion air. This is the only way optimal combustion figures can be ensured over extended periods.

Digital combustion management from Weishaupt means optimal combustion figures, continuously reproducible set-points, and ease of use.

Flexible communication options

The combustion manager's integrated bus interface enables all necessary data and functions to be relayed to a master control system.

If required, a modem can be installed to allow for remote operation, monitoring, and diagnosis of the burner.

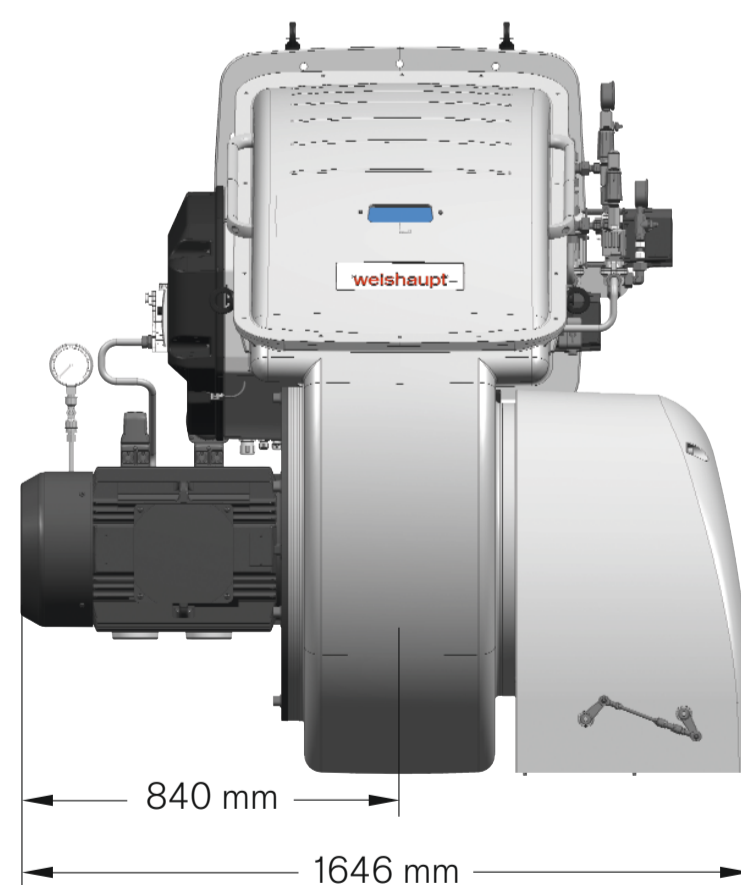
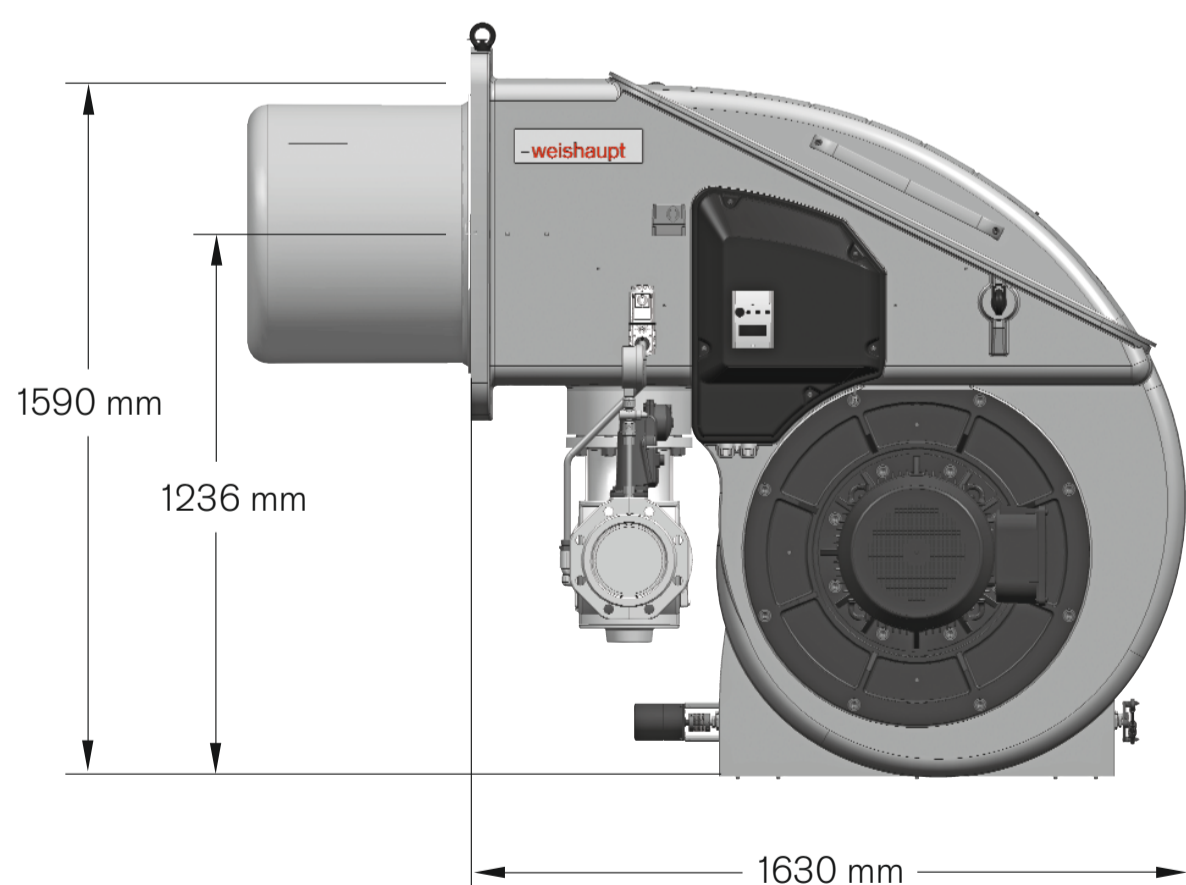
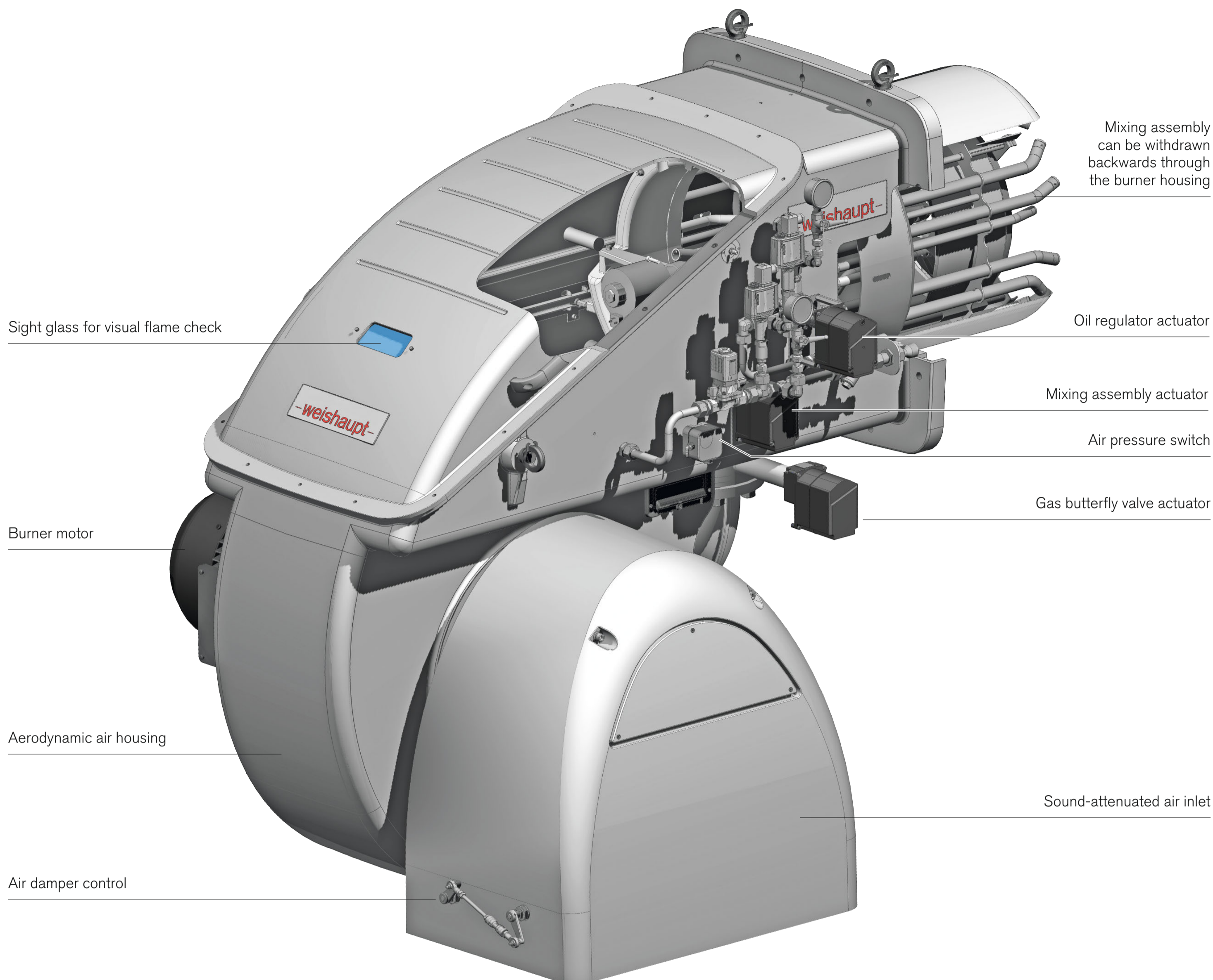
Benefits of the new Weishaupt WKmono 80 burner:

- Less time to install as no air ductwork is needed for the burner
- Reduced mechanical load on the boiler thanks to the burner's short projection and low weight
- Fan efficiency better than that required by GPI LOT 11
- Digital combustion management with electronic compound regulation
- All components readily accessible, including the mixing assembly, air damper, gas butterfly valve, and combustion manager
- Each and every burner undergoes a computer-controlled function test before leaving the factory
- The sharing of components with the rest of the WK burner range provides advantages to installers and operators in the procurement and storage of spare parts, as well as in training and maintenance
- IP 54 protection as standard
- The same mounting dimensions as the duobloc WK 80 burner, which means the burners can be easily exchanged



The burner's components of the WKmono 80 are all clearly arranged and readily accessible

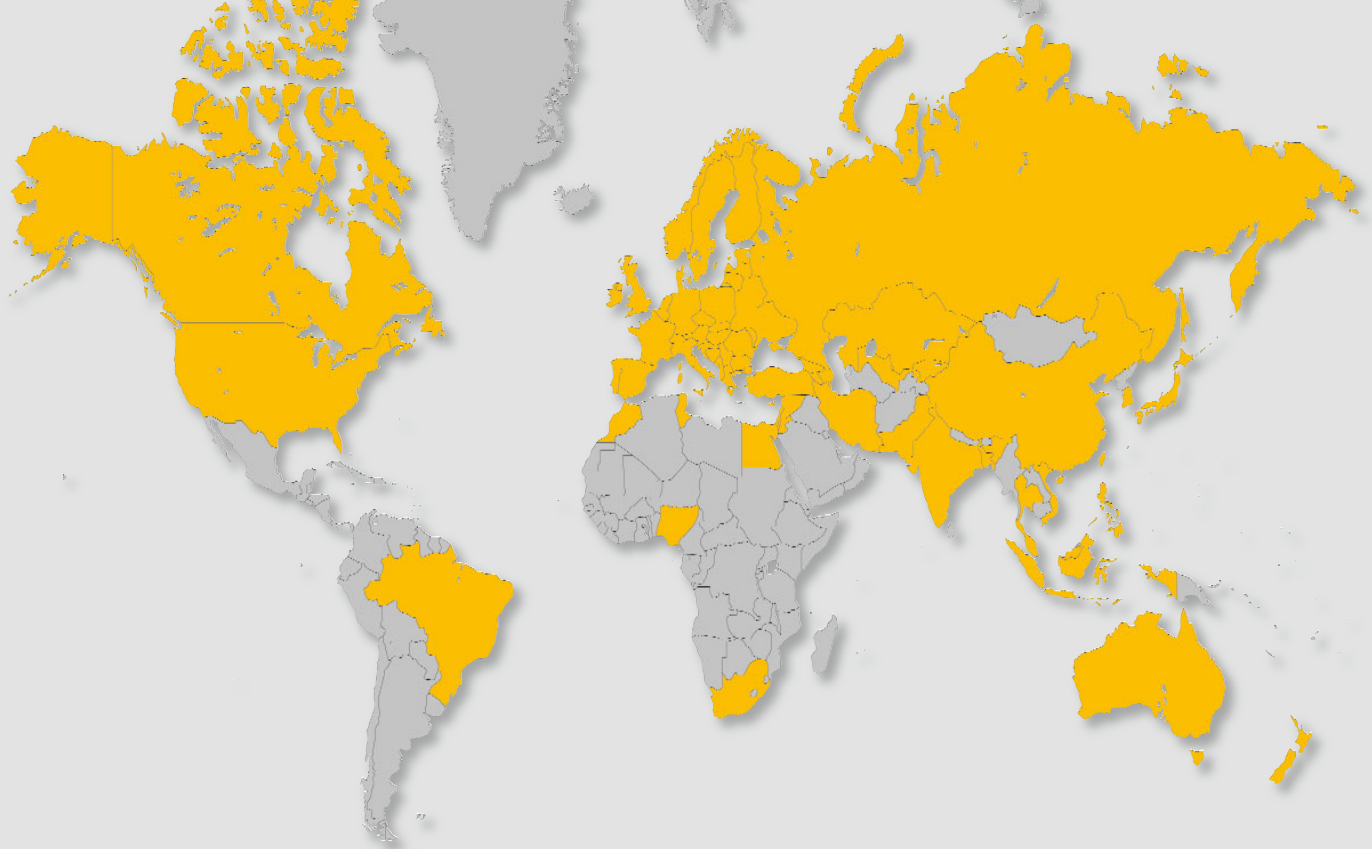
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