



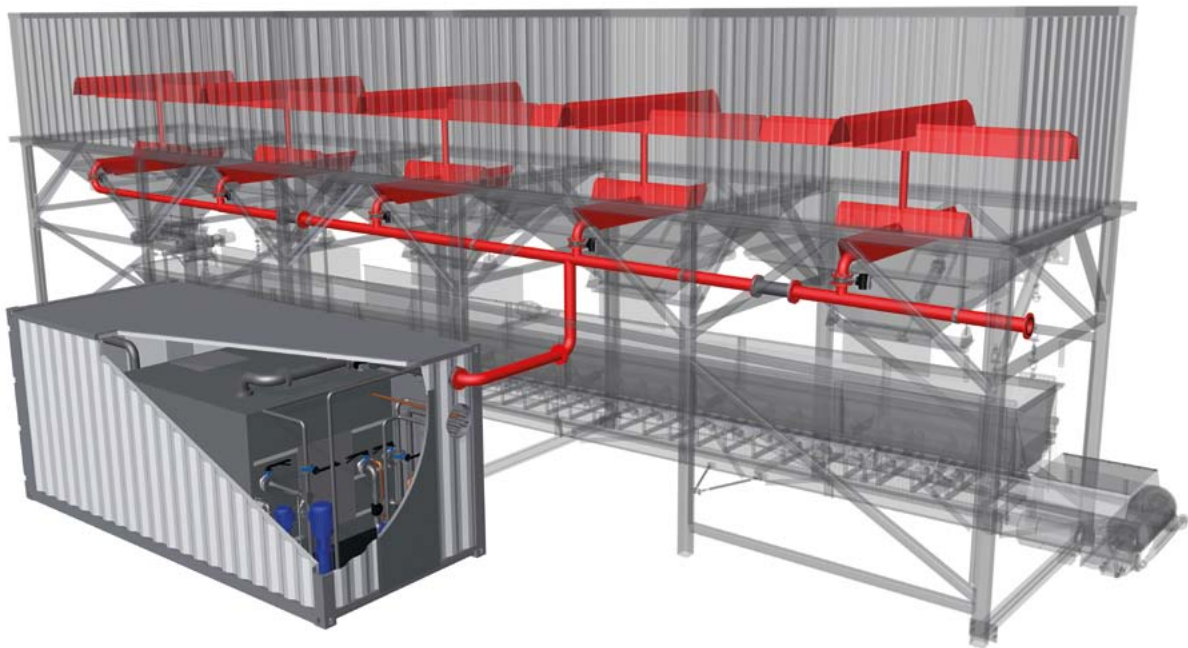
steel-kamet

KAMET® TURBO

SERIES 700-1500 KW

Comprehensive heating solutions for the concrete industry





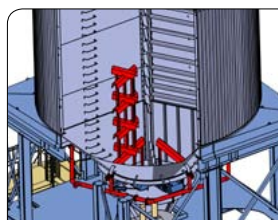
KAMET® KEEPS ITS PROMISES. Steel-Kamet Oy guarantees the performance of the Kamet® Turbo thermal energy power unit, as detailed in the technical specifications, in temperatures as low as -40°C when the unit is operated correctly.

YEAR-ROUND SUPREMACY IN CONCRETE PRODUCTION

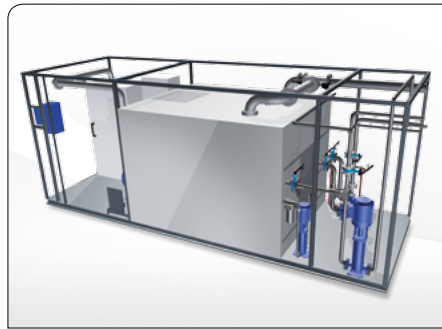
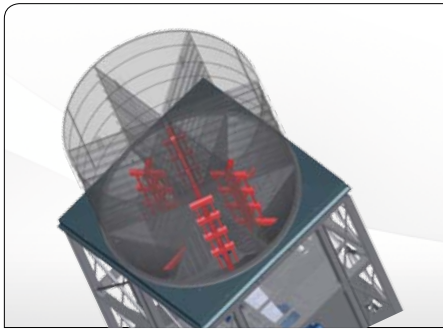
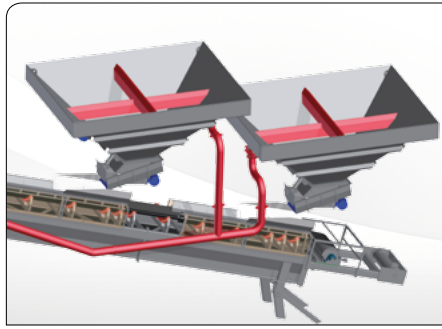
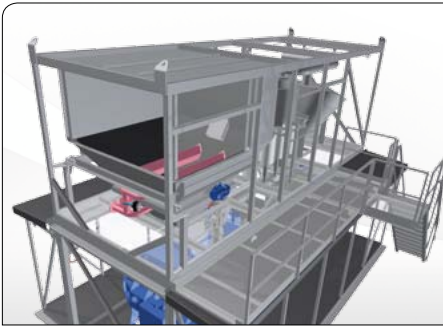
Kamet® Turbo thermal energy power unit is designed for year-round mass production of high-quality concrete for the precast industry.

Kamet® Turbo power unit ensures that concrete quality remains consistent regardless of the temperature. The fully automated units are perfect for thawing frozen aggregate, and for heating process water and aggregate as well as heating production lines and buildings. All this with just one unit!

Kamet® Turbo power unit is extremely cost-efficient, enabling the combination of a very high-efficiency ratio and a low environmental load with very low-energy consumption. The unit makes innovative use of all the energy that it generates. Combustion gases heat the water used at various stages of concrete production. Any excess heat generated by the combustion gases is automatically directed into the aggregate silos.



PROFITABLE INVESTMENT WITH A LONG LIFESPAN. Taking account of the need for an automatic energy power unit already during the planning phase will benefit the entire lifespan of the concrete mixing plant.



COST-EFFECTIVE. The high efficiency ratio of the unit saves money every day.

INNOVATIVE. The unit produces hot gas or steam without a boiler. Combustion gases heat the water while any excess heat is used to heat the aggregate silos without affecting the concrete's properties.

COMPREHENSIVE. One unit on the appropriate scale covers all concrete mixing plant needs, from production to heating buildings.

RELIABLE OPERATIONS. The units are extremely reliable and have a long lifespan.

EASY TO MAINTAIN. The fully automated unit is nearly maintenance-free. Remote supervision can also be used. Fuel and water separation facilities give increased ease of use.

THE RIGHT UNIT FOR ALL NEEDS

Thermal energy power units for operators in the precast industry include: 700 kW for small facilities, 1000-1250 kW for medium-sized facilities, and 1500 kW for large facilities

STANDARD EQUIPMENT

The fully automated power units are constructed and tested at Steel-Kamet Oy's factories. Transportation, assembly with installation parts that are quick to use, and relocation are easy and cost-effective. The unit is delivered in a 20-foot container or steel crate. The delivery includes a hot water tank, process and recycling water pumps, pressurized air pipes, compressor, and ready-to-use electrification, including an electrical distribution board, cables, and connections. Depending on the model, the unit will run on either diesel or gas or both. Kamet® automation is used to control the production and distribution of energy and to make the required adjustments.

ADAPTABILITY

Power can be adjusted in 1-5 steps, depending on the model. Other options include a 40-foot container with an integrated cold water system and a 20-foot container with a fire-protected 3000-litre fuel tank. The security system of the unit can be customized with Kamet® accessories. The unit also allows for easy integration with new and old systems.

TRANSPORTATION, INSTALLATION, START-UP MAINTENANCE, RENOVATIONS

The wide range of contract options ensures flexible services, from standard deliveries to maintenance, throughout the entire lifespan of the concrete mixing plant.

EFFICIENT PRODUCTION

- Fully automated
- Quick and reliable performance
- Excellent and even quality in all temperatures
- Durable components.
- Eco-friendly

RELIABLE AND COST-EFFECTIVE PRODUCTION

- Excellent efficiency ratio
- Low maintenance needs
- Spacious and easy to service (remote supervision)
- No boiler, no chimney
- Fuel and water in separate facilities

EASY TO ACQUIRE

- Compact container structure
- Quick delivery and installation
- Easy to move to a new location
- Easy start-up, training
- Installation service and maintenance service
- Also available for lease

KAMET® TURBO

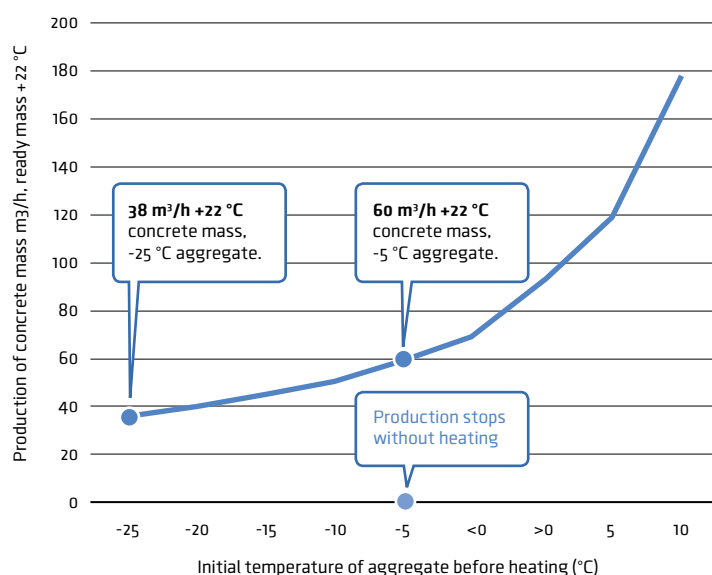
SERIES 700-1500 kW

Comprehensive heating solutions for the concrete industry



	TYPE	TOTAL CAPACITY	STEAM/HEATING CAPACITY	WATER/HEATING CAPACITY	HOT WATER TANK	DIESEL, CONSUMPTION	GAS, CONSUMPTION	FUEL STORAGE
	SK	KW	KW	KW	m ³ /l	l/h, max	m ³ /h, max	litres
TURBO 1X	700	700	450	550	6500	70	-	-
	1000	1000	700	800	8500	100	100	-
	1250	1250	850	1000	8500	125	125	-
TURBO 3X	700	700	450	550	6500	70	70	-
	1000	1000	700	800	8500	100	100	-
	1250	1250	850	1000	8500	125	125	-
	1500	1500	1000	1200	10500	150	150	-
TURBO 3XT	700-D	700	450	550	6500	70	-	3000
	1000-D	1000	700	800	6500	100	-	3000
TURBO 5X	1000	1000	700/1000	800	8500	170	170	-
	1250	1250	850/1250	1000	8500	200	200	-
	1500	1500	1000/1500	1200	10500	220	220	-
HOT GAS GENERATOR 3X	HGU-700	700	700	-	-	70	70	-/3000
	HGU-1000	1000	1000	-	-	100	100	-/3000

TURBO 3X / 1MW, + 22 °C CONCRETE MASS PRODUCTION CAPACITY PER HOUR



OVERALL DIMENSIONS

Weight	5000-6500 kg
Length	20'-40'
Width	244 cm
Height	259 cm

Connection power 63-125 A / 400 V 50-65 Hz

FUEL OPTIONS

- All models
- diesel OR gas
 - diesel AND gas

Kamet® Turbo plants are CE-marked. The turbo plants are manufactured in accordance with the requirements of SFS-EN ISO 12100-1, SFS-EN ISO 12100-2, and SFS-EN 60204-1 standards.

