

steel-kamet



KAMET® TOWER

SERIES 80-200 m³/h

Concrete mixing plants for extensive and flexible production





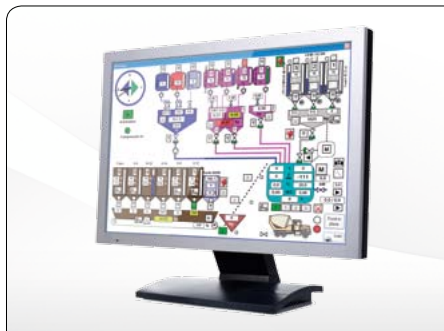
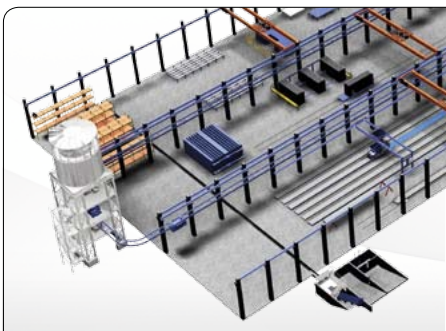
KAMET® KEEPS ITS PROMISES. Steel-Kamet Oy guarantees the performance of the Kamet® concrete mixing plant as detailed in the technical specifications when the plant is operated correctly.

SUPERIOR EFFICIENCY AND FLEXIBILITY FOR CONCRETE PRODUCTION

Modular Kamet® Tower concrete mixing plants are efficient and flexible, with a high production capacity that makes them ideal for the production of ready-mixed concrete and concrete used by the precast industry. The plants have large aggregate and raw material silos that are modifiable according to need. Storage, exact dosing, and use of various raw materials is easy and quick. The plants are quick in production and easy to use and maintain, and come equipped with high-performance BHS twin-shaft mixers, ensuring high durability and reliability in all conditions. Modularity allows the plants to be extended cost-efficiently during use with Kamet® accessories. Ready-to-use modules are constructed and tested at Steel-Kamet Oy's factories based on orders received, and assembled on-site with easy-to-use installation parts. A compact structure enables cost-efficient plant transportation, installation, and start-up.



A DURABLE INVESTMENT. Kamet® Tower concrete mixing plants ensure excellent profits year after year thanks to their durable structure, high-quality parts, and reliable operation.



EFFICIENT. Four decades of extensive experience ensure that Kamet® Tower concrete mixing plants meet the highest standards of efficiency and durability.

EASY TO MAINTAIN. Comprehensive automation enhances the reliability and speed of production ensuring consistent quality at all times. Kamet® production control can be easily integrated with the client's financial management system or the concrete transportation system of the precast factory.

DURABLE. Kamet® Tower concrete mixing plants are designed to withstand years of demanding use.

FLEXIBLE. Kamet® extension solutions allow for the plant to be modified to meet each client's specific needs. Extending the plant with a Kamet® Turbo thermal energy power unit, for example, ensures that concrete quality remains consistent even in extremely cold temperatures.

CAPACITY OPTIONS

80 m³/h, 100 m³/h, 120 m³/h, 160 m³/h and 200 m³/h.

STANDARD EQUIPMENT

Factory delivery includes aggregate receiving hopper, either a belt elevator - especially well suited for confined spaces - or a belt conveyor for the transportation of aggregate, a very large aggregate silo located in the tower, mixers and weighers, binding agent silos, pneumatic pipes and a compressor, stairs and spacious service platforms, as well as ready-to-use electrification including an electrical distribution board, cables, and connections. Process management includes the processing of cold water, binding agent, aggregate, and additives, and their exact dosing. Kamet® automation enhances productivity and maintenance.

AVAILABLE EXTENSIONS

The wide range of available extensions include a control room, additional BHS twin-shaft mixers, aggregate silo extensions, heat insulation, aggregate silo hatch covers, piping insulation, and the all-inclusive Kamet® Turbo thermal energy power unit.

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

- Flexible, high production capacity
- Excellent and even quality
- Durable, high-grade components
- Production in accordance with standards
- Aggregate silos can be filled directly from a truck or front loader
- Comprehensive range of extensions

EASY AND COST-EFFECTIVE PRODUCTION

- Economical maintenance, easy to use
- Durable structure
- Low maintenance needs
- Spacious and easy to service
- High quality wear and tear parts
- Easy to extend with accessories during use

EASY TO ACQUIRE

- Flexible assembly options
- Modular structure
- Compact
- Quick delivery
- Quick installation
- Easy start-up, training
- Installation service and maintenance service
- Also available for lease

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Technical information	Specification	Unit	TW80 Value	TW100 Value	TW120 Value	TW160 Value	TW200 Value
CAPACITY GUARANTEE	Compacted concrete output	m ³ /h	80	100	120	160	200
BATCHING AND DOSING	Time/batch	sec	102	108	105	90	82
	Compacted concrete/batch	m ³	2.25	3.0	3.5	4.0	4.5
	Dry filling	m ³	3.38	4.5	5.25	6	6.75
	Maximum grain size	mm	64	64	64	64	64
CONCRETE DISCHARGE	Height	m	4.1	4.1	4.1	4.1	4.1
CONTROL SYSTEM	Process automation	type	XL	XL	XL	XL	XL
MIXING TECHNOLOGY	Mixer	type	BHS DKXS 2.25	BHS DKXS 3.00	BHS DKXS 3.50	BHS DKXS 4.0	BHS DKXS 4.5
	Mixer input power	KW	65	2 x 50	2 x 55	2 x 65	2 x 75
AGGREGATE FEEDING	Elevator motor	KW	37	37	37	2 x 30	2 x 30
	Elevator speed	m/s	630/1.6	630/1.6	630/1.6	800/1.6	800/1.6
	Belt conveyor motor	KW	22	30	30	37	37
	Belt speed	m/s	800/1.8	800/1.8	1000/1.8	1200/1.8	1200/1.8
AGGREGATE SILOS	Compartment volume	m ³	300-600	300-600	300-600	300-600	300-600
	Number of compartments	pcs	6-8	6-8	6-8	6-8	6-8
	Compartment extensions	pcs	1	1	1	1	1
	Aggregate batching gate	pcs	2-8	2-8	2-8	2-8	2-8
	Aggregate batching feeder	pcs	2-4	2-4	2-4	2-4	2-4
	Filling system	type	Belt elevator/ belt conveyor	Belt elevator/ belt conveyor	Belt elevator/ belt conveyor	Belt elevator/ belt conveyor	Belt elevator/ belt conveyor
	Filling height of receiver silo	m	0.5-4.3	0.5-4.3	0.5-4.3	0.5-4.3	0.5-4.3
	Filling width of receiver silo	m	3.5	3.5	3.5	3.5	3.5
CEMENT SILOS	Silo volume	m ³	60-120	60-120	60-120	60-120	60-120
	Number of silos	pcs	1-5	1-5	1-5	1-5	1-5
AGGREGATE WEIGHER	Capacity	kg	5400	7200	8400	9600	10800
CEMENT WEIGHER	Capacity	kg	1300	1800	2100	2400	2700
WATER WEIGHER	Capacity	kg	600	900	1000	1200	1300
LIQUID ADMIXTURE WEIGHER	Capacity	kg	15/30	15/30	15/30	15/30/100	15/30/100
OVERALL DIMENSIONS	Total weight	t	230	235	235	240	240
	Space required	m	19(69) x 14	19(69) x 14	19(69) x 14	19(69) x 14	19(69) x 14
	Total length	m	26 (69)	26 (69)	26 (69)	26 (69)	26 (69)
	Total width	m	15	15	15	15	15
	Total height	m	35(25)	35(25)	35(25)	35(25)	35(25)
	Operating voltage	V/Hz	400/50	400/50	400/50	400/50	400/50
	Power input	A	315	400	640	640	800
TRANSPORTATION	Lorry or ship transportation. Method and scope are determined case-by-case.						

