

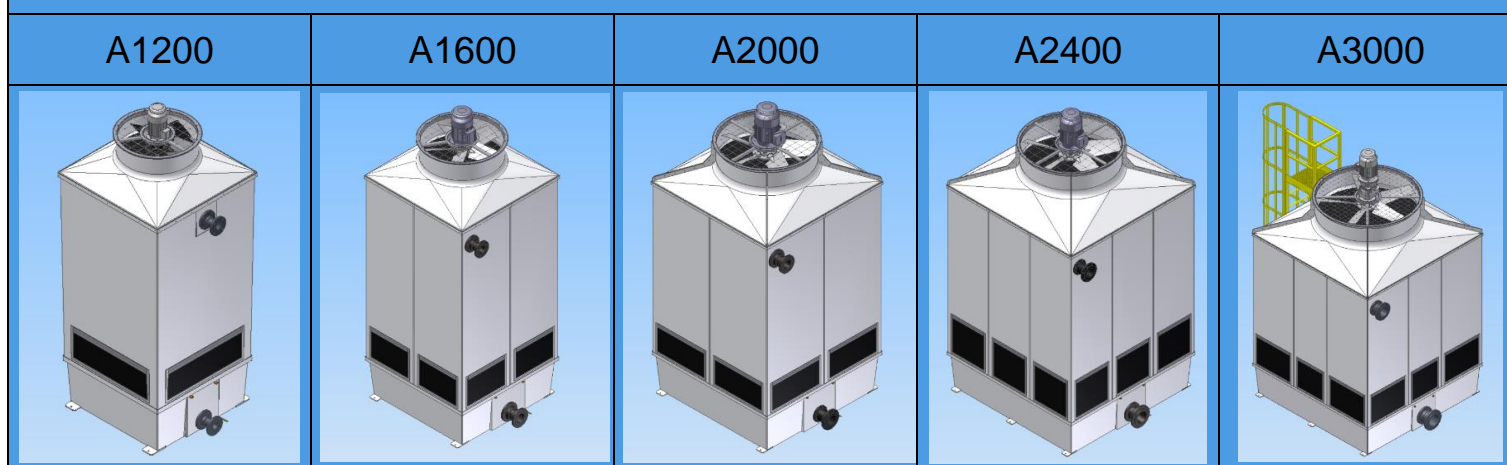
Compact mechanical draft cooling towers Alfa series are nowadays the best economically available on the market devices for cooling systems in every branch of industry. Cooling towers are delivered to the customers fully assembled and ready for installation. Our products provide an optimal solution in terms of thermal efficiency, durability, saving electricity, simplicity of carrying out maintenance work and adherence to strict environmental regulations. Cooling towers Alfa due to their flexibility and simplicity of parameter adjustment perfectly perform functions of cooling and meet the requirements of industrial factories. Cooling towers Alfa can be used for the new cooling circuit and for building as part of modernization of applications that have already been used.



Technological equipment of the cooling towers

Cooling tower element	Standard equipment	Optional equipment
Cladding	Fiber reinforced polymer (FRP)	
Colour	RAL 7035	RAL palette colour range
Filling	Canal PP	Special for the „dirty” water
Motor, gearbox	IP56; 400 V	IP66; 500 V
Water distribution	PVC/PP	Stainless steel or acid resistant steel
Fasteners	Stainless steel A2	Acid resistant steel A4
Inspection hole	350x300 mm	1000x1500 mm

Series of compact mechanical draft cooling towers



Series / Model		A1200	A1600	A2000	A2400	A3000	
Hydraulic load	m ³ /h	10-35	18-60	28-90	40-120	60-180	
Thermal load	kW	100-400	200-700	300-1100	450-1900	650-2500	
Engine power	kW	1,1; 1,5; 2,2	3; 4; 5,5	4; 5,5; 7,5	5,5; 7,5; 11	7,5; 11; 15	
Maximum water temperature	°C	Maximum water temperature					
Sound level at 1 m distance	dB(A)	Sound level at 1 m distance					<85(<72)
Type of fan drive	-	direct	direct	direct	direct	gearmotor	
Water tank capacity	m ³	0,7	1,3	2,2	3,2	4,3	
Dimensions:	Length	Dimensions	1215	1620	2030	2430	2830
	Width	mm	1215	1620	2030	2430	2830
	Height	mm	3150	4090	4355	4625	5215
Transport weight	kg	250	500	700	900	1200	
Weight under load	kg	1000	1800	2900	4100	5500	

ENPROM offers also wide range of technological equipment and spare parts for the cooling towers:

- Cooling fill
- Water distribution system
- Spray nozzles
- Drift eliminators
- Fan impellers
- Motors
- Gearboxes
- Silencer
- Elektrical engineering, equipment and monitoring
- Service structures (ladders, rails, bridges)

We also offer:

- Overview and servicing of cooling towers, its repairing, reconstruction and modernization,
- Design, deliveris, erections of cooling towers, dry coolers and machine cooling,
- Monitoring of fan units,
- Measuring of vibration of fan units of cooling towers,
- Changing and maintainance of technological parts (cooling fill, eliminators, nozzles, fan units, drive, louveres, steel construction and so on..)
- Repairing of motors, gearboxes
- Power conversion and modernization of cooling towers

