

Compact cooling tower CTF XXX/B

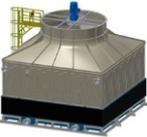


Compact cooling towers are an important component of the product portfolio of FANS, a.s. We design, plan, manufacture and install these devices and modernise them with a focus on power engineering, industry and air-conditioning. Our priorities include professionalism and quality of implementation using modern technologies. Cooperation with us will give you a reliable partner in the area of industrial cooling.

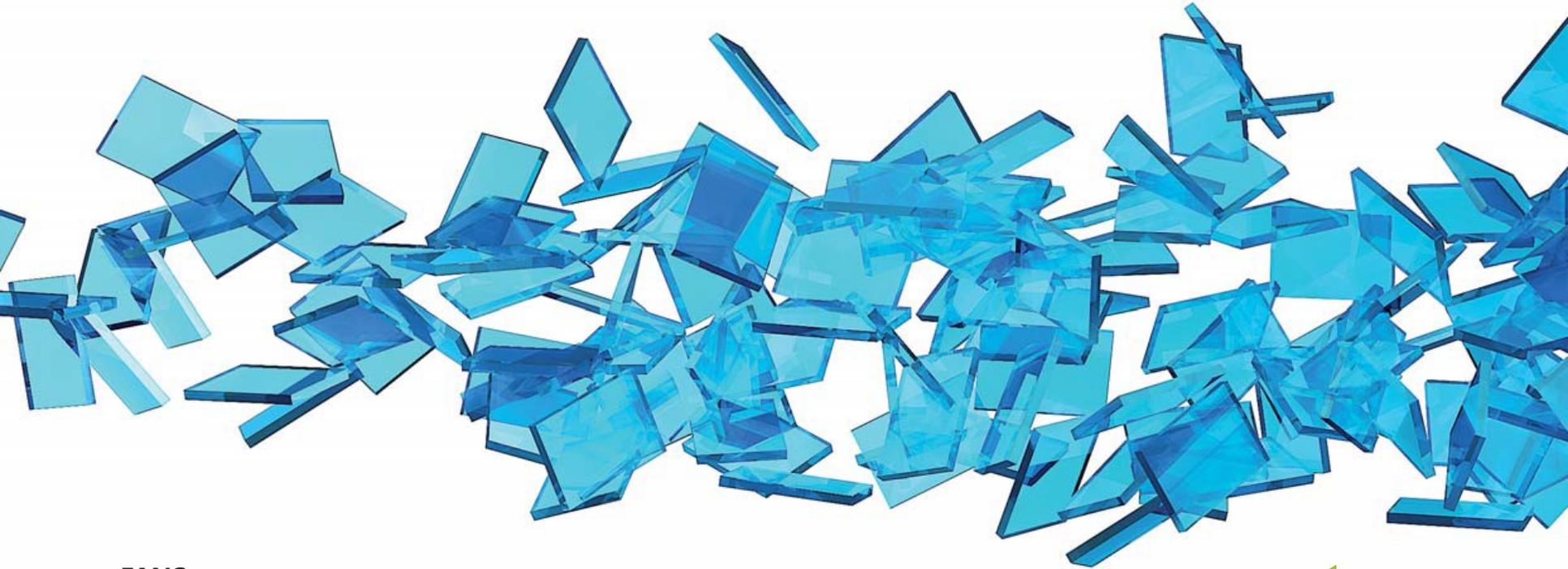
Compact cooling tower CTF XXX/B

MODEL	CTF 005/B 	CTF 010/B 	CTF 025/B 	CTF 050/B 
Dimensions in m [L x W x H]	0.75 x 0.75 x 2.45	1.25 x 1.25 x 3.45	1.6 x 1.6 x 4.03	2.4 x 2.4 x 4.53
Options	Cooling tower with pond		Cooling tower with or without pond	
Certificates and standards	ISO 9001 + 14001, OHSAS 18001, compliance with directives of the European Parliament and the Council: 2006/42/EC, 2014/35/EU, 2014/30/EU, Certificate of Production Management, compliance with ČSN EN 1090-1+A1, compliance with technical regulations of the Customs Union of the Russian Federation for normal, dangerous and explosive environments			
Construction materials	FRP			
Cooling fill	FRP – composite reinforced with glass fibre, known for its very high resistance to corrosion and extreme weather effects.			
Cooling fill	The cooling fill type is chosen based on the individual design and depends on requirements for water quality and cooling capacity. PP and PVC are the most common materials.			
Maximum cooling capacity, temperature gradient of 10°C [MW]	0.16	0.45	0.74	1.67
Maximum cooling capacity, temperature gradient of 10°C [MW]	Multiple compact cooling towers can be linked in a system in order to multiply the cooling capacity.			
Maximum hydraulic load [m³/h]	14	39	64	144
Input water temperature	Standard designs allow input temperatures up to 60°C; high-temperature designs (HT) allow up to 80°C.			
Maximum electric motor power [kW]	1.1	2.2	5.5	11.0
Tower weight w/o water / operating [kg]	with pond: 125 kg/250 kg	with pond: 220 kg/1,030 kg	with pond: 560 kg/2,100 kg without pond: 500 kg/910 kg	with pond: 920 kg/4,400 kg without pond: 830 kg/1,540 kg

Compact cooling tower CTF XXX/B

MODEL	CTF 100/B 	CTF 140/B 	CTF 180/B 	CTF 200/B 
Dimensions in m [L x W x H]	3.0 x 3.0 x 5.5	3.75 x 3.75 x 6.4	5.0 x 5.0 x 7.4	7.5 x 7.5 x 8.9
Options	Cooling tower with or without pond			
Certificates and standards	ISO 9001 + 14001, OHSAS 18001, compliance with directives of the European Parliament and the Council: 2006/42/EC, 2014/35/EU, 2014/30/EU, Certificate of Production Management, compliance with ČSN EN 1090-1+A1, compliance with technical regulations of the Customs Union of the Russian Federation for normal, dangerous and explosive environments			
Construction materials	FRP	FRP, stainless steel, galvanised steel	FRP, stainless steel, galvanised steel	FRP, stainless steel, galvanised steel
	FRP – composite reinforced with glass fibre, known for its very high resistance to corrosion and extreme weather effects.			
Cooling fill	The cooling fill type is chosen based on the individual design and depends on requirements for water quality and cooling capacity. PP and PVC are the most common materials.			
Maximum cooling capacity, temperature gradient of 10°C [MW]	2.61	4.09	7.26	16.26
	Cooling towers can be linked in order to multiply their cooling capacity.			
Maximum hydraulic load [m ³ /h]	225	352	625	1400
Input water temperature	Standard designs allow input temperatures up to 60°C; high-temperature designs (HT) allow up to 80°C.			
Maximum electric motor power [kW]	15.0	18.5	37.0	75.0
Tower weight w/o water / operating [kg]	with pond: 1,500 kg/7,800 kg without pond: 1,300 kg/1,100 kg	with pond: 3,460 kg/13,800 kg without pond: 2,850 kg/6,170 kg	with pond: 6,152 kg/17,880 kg without pond: 3,920 kg/9,300 kg	with pond: 13,100 kg/39,900 kg without pond: 9,250 kg/21,000 kg

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