

FC Series Fluid Coolers

Advantage FC Series fluid coolers are used in many process cooling applications. As an alternative to traditional cooling towers, FC Series fluid coolers provide a true closed loop system when fluid temperatures of 15°F above ambient are acceptable. Using these fluid coolers instead of a chiller, when ambient conditions allow, can extend chiller life by up to 50% and reduce energy consumption as much as 80%.



PRODUCT FEATURES

- Heavy gauge cabinet construction
- Direct drive 1,140 RPM energy efficient fan motors
- High efficiency cooling coil with copper tubes and aluminum fins
- Single point electrical connection
- Fan cycling based on fluid temperature

AVAILABLE OPTIONS

- Ambient thermostat switching controls
- Manifolds on units with multiple connections

	Model ¹	FC-20	FC-30	FC-40	FC-50	FC-60	FC-70	FC-80	FC-90	FC-100
Capacity	Tons ²	20	30	40	50	60	70	80	90	100
Fans	Quantity	2	3	3	4	6	6	8	8	8
Flow	GPM	51	76	102	127	152	177	204	228	254
Max Delta P	PSI	12	12	12	12	12	12	12	12	12
Coil	Volume (gal)	6.3	14.0	18.7	18.8	28.1	37.4	37.3	37.3	49.8
	Connections ³	2 1/2"	3"	3"	3" (x2)	3" (x2)	3" (x2)	3" (x2)	3" (x2)	3" (x2)
	Connect Type	Flanged	Flanged	Flanged	Flanged	Flanged	Flanged	Flanged	Flanged	Flanged
Temperatures⁴	Approach Temperature ⁵	15	15	15	15	15	15	15	15	15
	Fluid Outlet Temp (F)	50	50	50	50	50	50	50	50	50
	Fluid Inlet Temp (F)	60	60	60	60	60	60	60	60	60
	Entering Air Temp (F)	35	35	35	35	35	35	35	35	35
Dimensions	Length	127"	180"	180"	127"	180"	180"	234"	234"	234"
	Width	45 1/2"	45 1/2"	45 1/2"	88"	88"	88"	88"	88"	88"
	Height	50	50	50	50	50	50	50	50	50
Weight	Shipping (lbs)	610	960	1,045	1,395	2,075	2,250	2,740	2,740	2,975
	Operating (lbs)	662	1,076	1,200	1,551	2,308	2,560	3,050	3,050	3,388
Power Required	FLA @ 230/3/60	14	21	21	28	42	42	56	56	56
	FLA @ 460/3/60	7	10.5	10.5	14	21	21	28	28	28
	Reference	S02-H203	S03-H306	S03-H407	D04-H313	D06-H315	D06-H416	D08-H317	D08-H317	D08-H418

1. Specifications subject to change without notice or liability. 2. Tons = 12,000 Btu/hr. High altitude correction factors: .95 for 2,000 ft; .90 for 4,000 ft; .85 for 6,000 ft.
 3. Field installed manifolds are optional on units with multiple connections. 4. Selection based on 30% Propylene glycol, 70% water. Additional glycol may be required to protect the unit from freezing.
 5. Leaving fluid temperature minus entering air temperature



Proudly Made In The USA since 1977

Since product innovation and improvement is our constant goal, all features and specifications are subject to change without notice or liability.