



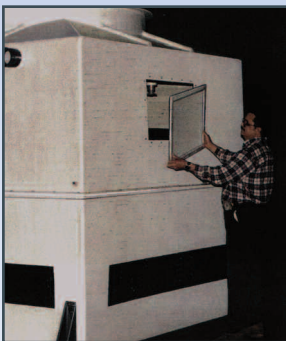
Application Engineering®

PROVIDING SOLUTIONS, NOT JUST EQUIPMENT



FG COOLING TOWER

FG Series cooling towers for cooling temperature requirements from 85°F upward, you may reduce your process water consumption up to 98.5% by using cooling towers to remove process heat. AEC Cooling Tower Systems are used wherever reduction of water costs and/or control of mineral precipitation associated with cooling applications is desired.



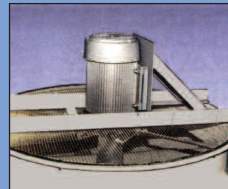
Inspection door can be easily reached and removed for access to lower interior. Removable panels at base of the tower also provide quick and easy access to the tower interior.

PERFORMANCE

- In operation, water entering the tower is uniformly sprayed over the large surface area of the tower fill. The tower fan induces air to flow in the opposite direction of the water.
- Stainless steel fasteners are standard
- Horizontal seams insure leak proof operation
- Lightweight fiberglass shell reduces installation costs
- Non-corrosive shell extends tower life
- Factory assembly cuts rigging expenses and provides immediate operation. No field assembly required.

ADDITIONAL EQUIPMENT

- Tower Water Management System. Provides 4-way protection by systematically treating your evaporative cooling system with chemicals to control scale, corrosion, and bacteria. Regulates dissolved solid concentrations and removes suspended solids.
- Sand and Gravel Filters. Provide heavy-duty filtration to protect equipment by trapping dirt and other particulate matter.
- Full-Flow Bag Filters. An economical way to remove dirt and particulate from your cooling water system.



Counterflow draft is induced by a direct drive TENV motor integrally mounted to the cooling cell. The fan motor has sealed bearings and needs no lubrication.



Precision factory-tuning of fan blade pitch insures full-rated capacity and needs no field adjustment for optimum performance.



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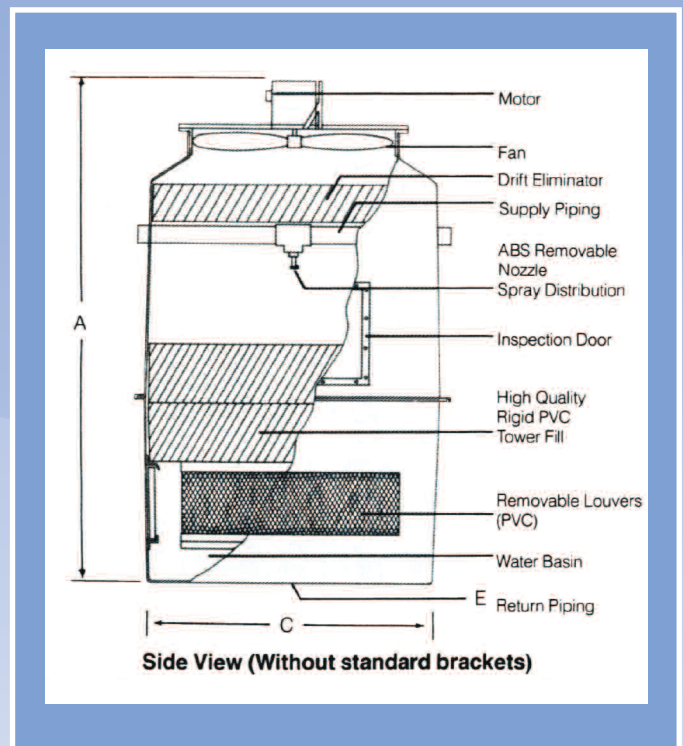
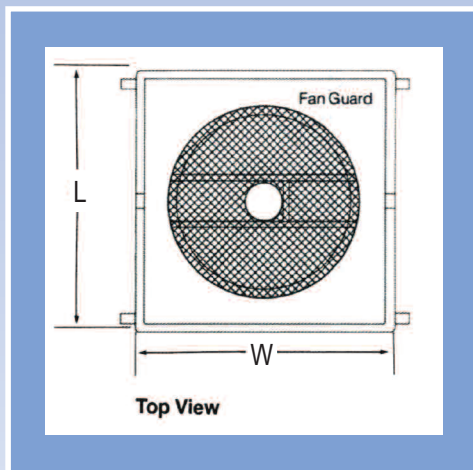


Model	Capacity, ¹ tons (Kcal/hr)	Fan motor, hp (kW)	Amp draw, 460/3/60	Water inlet dia., in. (mm)	Water outlet dia., in. (mm)	Length, in. (cm)	Width, in. (cm)	Height, in. (cm)	Ship. weight, lbs. (kg)	Operating weight, lbs. (kg)
FG 2003	50 (151,200)	2 (1.5)	3.4	4 (102)	4 (102)	64 (163)	64 (163)	104 (264)	600 (273)	1300 (591)
FG 2004	75 (226,800)	5 (3.7)	7.6	4 (102)	6 (152)	64 (163)	64 (163)	125 (318)	750 (341)	1700 (772)
FG 2005	100 (302,400)	5 (3.7)	7.6	4 (102)	8 (203)	82 (208)	82 (208)	121 (307)	1400 (636)	2900 (1317)
FG 2007	125 (378,000)	5 (3.7)	7.6	4 (102)	8 (203)	82 (208)	82 (208)	121 (307)	1500 (681)	3200 (1453)
FG 2009	150 (453,600)	10 (7.5)	14	4 (102)	8 (203)	100 (254)	100 (254)	123 (313)	1950 (886)	3800 (1726)
FG 2011	175 (529,200)	10 (7.5)	14	4 (102)	8 (203)	100 (254)	100 (254)	123 (313)	2100 (954)	4400 (1998)
FG 2015	200 (604,800)	15 (11.2)	21	4 (102)	8 (203)	100 (254)	100 (254)	124 (315)	2600 (1181)	5200 (2361)

¹ Capacity based upon 15,000 BTU/hr (3,024 Kcal/hr) heat rejection per ton (3,024 Kcal/hr chilled water, 3,780 Kcal/hr tower water). Flow equals 3 gpm per ton (1.563 lpm per 1,000 Kcal/hr). Entering water temperature 95°F (35°C), leaving water temperature 85°F (29°C), 78°F (26°C) ambient wet bulb. Consult factory for other requirements.

MATERIALS OF CONSTRUCTION

- Shell: Fiberglass Reinforced Polyester
- Fan Blade: Aluminum Fabrication
- Fan Motor Support: Galvanized, Mild Steel
- Piping Assembly: Schedule 80 PVC
- Fill, Eliminator: PVC
- Louver Pack: PVC
- Nozzle: ABS
- Fasteners: Stainless Steel



www.aecinternet.com
aecweb@corpemail.com

AEC is committed to a continuing program of product improvement. Specifications, appearances and dimensions are subject to change without notice.
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Global Headquarters:

AEC Schaumburg
 1100 E. Woodfield Rd #588
 Schaumburg, IL 60173
 Tel: +1 847 273 7700
 Fax: +1 847 273 7804

AEC New Berlin
 2900 S. 160th Street
 New Berlin, WI 53151
 Tel: +1 262 641 8610
 Fax: +1 262 641 8653



AEC Suzhou
 109 Xingpu Road SIP
 Suzhou, China 215126
 Tel: +86 512 8717 1919
 Fax: +86 512 8717 1916



AEC Warsaw
 ul.Dziakowa 115
 02-234 Warszawa
 Tel: + 48 22 390 9720
 Fax: + 48 22 390 9724



AEC India
 Regus, Level 2, Connaught Place
 Bund Garden Road, Pune 41100,
 India
 Tel: +91 20 4014 7575/40147615
 Fax: +91 93 7115 4045