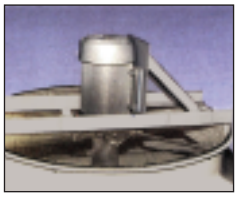
HEAT & COOL

FG COOLING TOWERS

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*
- *Light-weight fiberglass shell reduces installation costs*
- *Non-corrosive shell extends tower life*
- *Factory assembly cuts rigging expenses and provides immediate operation. No field assembly required.*
- *Plus many more features*



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.

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.

FG Series cooling towers for cooling temperature requirements from 85ºF 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.

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.*

1100 E Woodfield Road
Schaumburg, IL 60173 USA
Tel. 847-273-7700 Fax 847-273-7804

www.aecinternet.com

WHITLOCK/ MATERIAL HANDLING | HEAT & COOL | BLEND & RECLAIM | NELMOR/ GRANULATE | DOWNSTREAM EXTRUSION | AUTOMATE | SYSTEMS CONTRACTING | SERVICE

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Bulletin AE6-110.8

Specifications, appearances and dimensions are subject to change without notice.

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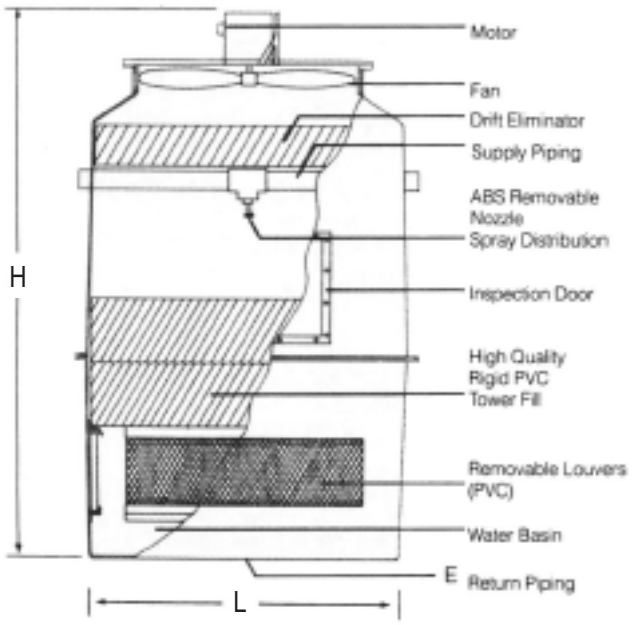
HEAT & COOL

FG COOLING TOWERS

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)

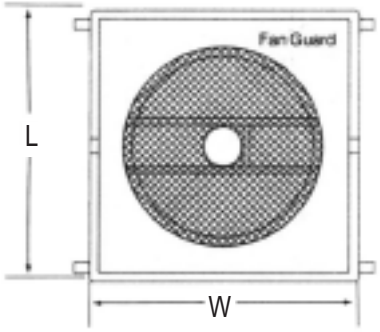
1 Capacity based upon 15,000 BTU/hr (3,024 Kcal/hr) heat rejection per ton (3,024 Kcal/hr chilled water, 3,780 Kcal/hr tower water). Flow equals 3 gpm per ton (1.563 lpm per 1,000 Kcal/hr). Entering water temperature 95ºF (35ºC), leaving water temperature 85ºF (29ºC), 78ºF (26ºC) ambient wet bulb. Consult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



Side View (Without standard brackets)

Materials of Construction

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



Top View

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