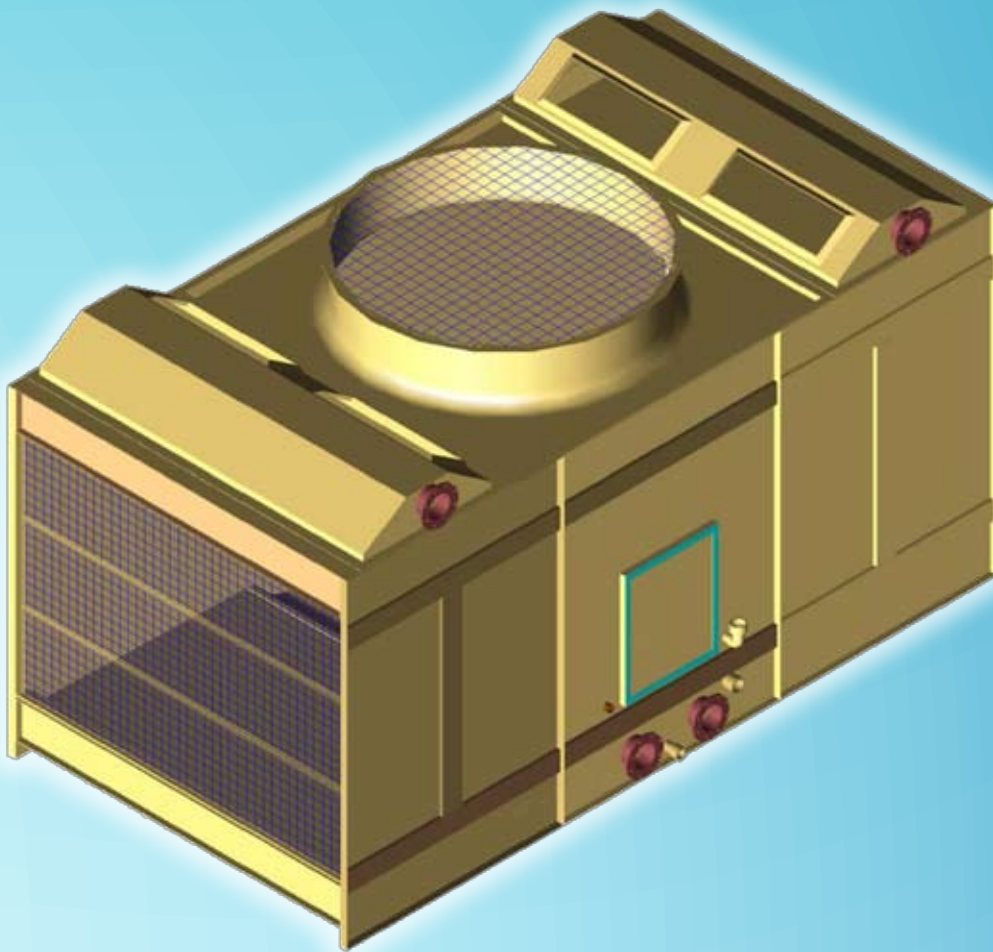


# Crossflow Cooling Tower - CF Model



## CROSSFLOW COOLING TOWER ENGINEERING DATA - CF MODEL

		L	W	H	F			C				
		Length	Width	Height	Fan ø	Airflow	Motor	In / Out	Dry	Wet	THR	Flow
Model No:	Box	mm	mm	mm	mm	l/sec	kW	mm	kg	kg	kW	l/sec
8166-1	8x16x6	4880	2540	2720	1820	17250	4	150 / 200	2300	5400	700	30
8166-2		4880	2540	2720	1820	19600	5.5	150 / 200	2400	5500	800	34
8166-3		4880	2540	2720	1820	21050	7.5	150 / 200	2500	5600	900	36
8168-2	8x16x8	4880	2540	3500	1820	29500	5.5	150 / 200	2320	6020	1050	45
8168-3		4880	2540	3500	1820	34210	7.5	150 / 200	2420	6120	1200	52
8168-4		4880	2540	3500	1820	37980	11	150 / 200	2520	6220	1400	60
8188-3	8x18x8	5600	2540	3500	2420	32650	7.5	200 / 250	2980	6800	1200	52
8188-4		5600	2540	3500	2420	36580	11	200 / 250	3150	6950	1400	60
10188-4	10x18x8	5600	3020	3500	2420	47200	11	200 / 250	3800	8500	1800	78
10188-5		5600	3020	3500	2420	51690	15	200 / 250	3950	8750	2000	87

NOTE: All specifications are intended as a guide only. Please refer to Head Office or your sales representative for certified data.

# Cooling Tower Selection Chart

## CF CROSSFLOW MODELS

<b>Hot Water</b>	35	35	35	35	35	35	35	35	35	35	35	35	35	37	
<b>Cold Water</b>	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.5	32	
<b>Wet Bulb</b>	18	19	20	21	22	23	24	24.5	25	25.5	26	26.5	27	27	
<b>Model Number</b>	<b>Flow rate l/sec</b>														
8166-1	8x16x6	50.8	47.3	44.0	40.9	37.2	33.8	30.1	28.1	26.2	23.9	21.5	19.3	17.1	29.9
8166-2		58.1	54.1	50.3	46.8	42.7	38.5	34.1	31.7	29.4	26.8	24.1	21.8	19.4	34
8166-3		66.1	61.5	57.2	53.2	48.6	43.5	39.8	37.1	34.2	31.2	28.1	25.3	22.4	39.5
8168-2	8x16x8	76.2	70.8	65.9	61.3	58.6	51.2	46.2	43.1	39.9	36.0	32.1	28.8	25.4	46.1
8168-3		87.1	81.0	75.4	70.1	65.2	59.6	52.3	49.1	45.8	41.7	37.6	33.6	29.5	52.1
8168-4		102.5	95.3	88.7	82.5	74.6	65.1	59.2	55.6	52.1	47.7	43.2	39.2	35.2	58.9
8188-3	8x18x8	85.6	79.6	74.1	68.9	64.2	58.6	52.8	49.8	46.8	43.4	39.9	35.1	30.2	51.9
8188-4		97.3	90.5	84.2	78.3	72.8	66.8	59.8	56.5	53.2	49.4	45.6	41.3	36.9	59.5
10188-4	10x18x8	124.4	115.7	107.6	100.1	92.9	86.1	77.9	73.9	69.9	65.1	60.2	55.7	51.1	77.2
10188-5		136.5	127.0	118.1	109.9	102.1	93.8	85.1	80.6	76.1	71.2	66.2	60.6	55.3	84.8

## Construction Advantages

### 1. HEAVY DUTY CONSTRUCTION

- » Fully composite structure
- » Stainless Steel fasteners standard throughout the tower

### 2. FRP CASING PANELS

- » Isophthalic based resins & gelcoats
- » Superior corrosion & chemical resistance
- » Multiaxial stitched reinforcements
- » Greater strength and rigidity
- » Flowcoat finish, excellent UV resistance
- » Maintenance free

### 3. FAN DRIVE SYSTEM

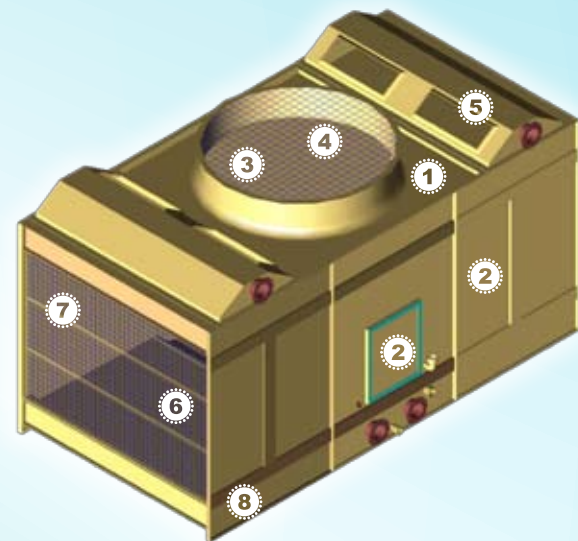
- » Premium quality belts
- » FRP mechanical structure
- » Heavy-duty bearings
- » Adapted fan motor for operation in saturated conditions

### 4. LOW KW AXIAL FAN

- » Quiet operation
- » Corrosion resistant FRP
- » Lightweight

### 5. WATER DISTRIBUTION SYSTEM

- » Low pump head gravity distribution basin
- » Large orifice, non-clog nozzles



### 6. WET DECK SURFACE

- » Plastic material
- » Impervious to rot, decay and biological attack
- » Easily removable

### 7. INLET LOUVRE/ELIMINATOR

- » Corrosion Resistant
- » Easily removable
- » UV resistant plastic material or FRP
- » Fire resistant

### 8. COLD WATER BASIN

- » Sloped cold water basin for easy cleaning
- » Suction strainer with anti-vortex hood
- » Adjustable water make-up assembly from inside the unit

### 9. REMOVABLE ACCESS DOORS