



# BKK COOLING TOWER

**CLOSE TYPE**

**MODEL : BKC-C-SERIES**



Member



ISO 9001 : 2008



<http://www.bkkcooling.co.th>

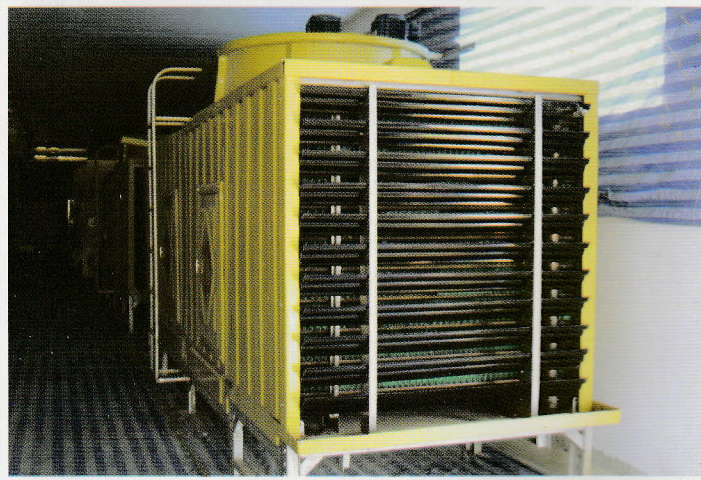




Bangkok Komatsu Industries Project  
(BKC-C-100RT x 1 Set)



K.E.I. Engineering (Site I.C.P.) Project  
(BKC-C-100RT x 2 Sets)



ARC Engineering (Thailand) Project  
(BKC-C-40 RT x 4 Cells 3 Sets)



Sony Device Technology (Thailand) Project  
(BKC-C-125RT x 4 Cells)



## B.K.K. COOLING & ENGINEERING CO.,LTD. (THAILAND)

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### Factory : Vietnam

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E-mail : factory\_vn@bkkcooling.co.th

Website : [www.bkkcooling.co.th](http://www.bkkcooling.co.th)

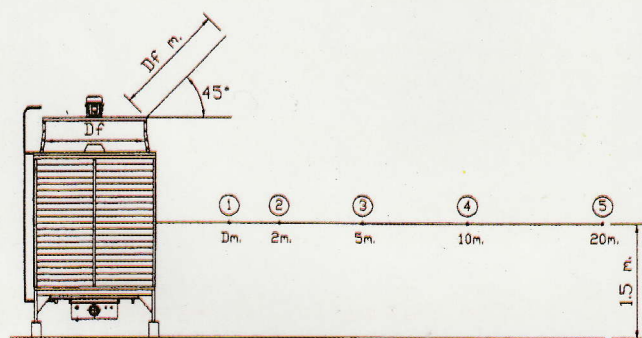




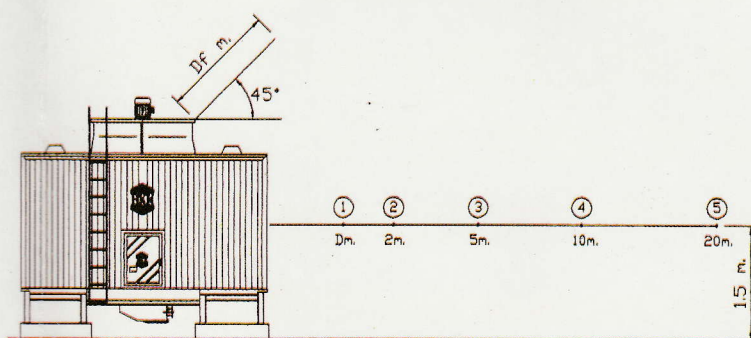
### NOISE VALUE

| MEASURING<br>POINT | MEASURING<br>DISTANCE | MODEL BKC-C (RT)     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |
|--------------------|-----------------------|----------------------|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|----|
|                    |                       | 80                   |    | 100 |    | 125 |    | 150 |    | 175 |    | 200 |    | 225 |    | 250 |    | 300 |    |
|                    |                       | MESASURING DIRECTION |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |     |    |
|                    |                       | L                    | W  | L   | W  | L   | W  | L   | W  | L   | W  | L   | W  | L   | W  | L   | W  | L   | W  |
| 1                  | Dm.                   | 53                   | 60 | 54  | 61 | 59  | 61 | 58  | 64 | 61  | 68 | 59  | 66 | 57  | 63 | 59  | 65 | 60  | 65 |
| 2                  | 2m.                   | 55                   | 59 | 56  | 60 | 61  | 61 | 60  | 64 | 63  | 68 | 61  | 66 | 60  | 64 | 62  | 66 | 62  | 66 |
| 3                  | 5m.                   | 51                   | 56 | 52  | 57 | 57  | 57 | 56  | 60 | 59  | 64 | 58  | 63 | 56  | 61 | 58  | 63 | 58  | 63 |
| 4                  | 10m.                  | 46                   | 52 | 47  | 53 | 51  | 53 | 50  | 56 | 54  | 60 | 52  | 58 | 51  | 56 | 53  | 58 | 52  | 58 |
| 5                  | 20m.                  | 40                   | 46 | 41  | 47 | 46  | 47 | 45  | 51 | 48  | 54 | 47  | 53 | 45  | 51 | 47  | 53 | 47  | 53 |
| 6                  | 45° Dfm               | 64                   | 64 | 65  | 65 | 70  | 65 | 69  | 69 | 72  | 72 | 71  | 71 | 69  | 69 | 71  | 71 | 69  | 71 |

### MEASURING POINT



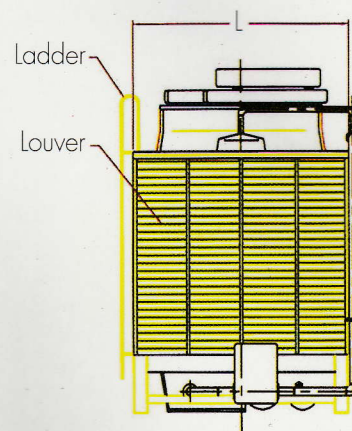
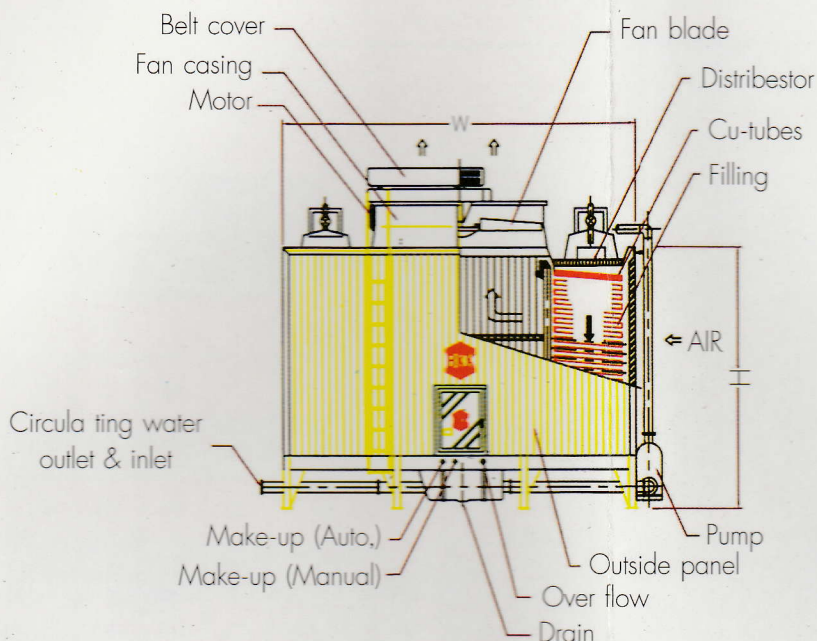
Measuring direction (L)



Measuring direction (W)

1. Measuring point 1 is horizontal distance "D" equal to the width or length. away from the louvers or casing and 1.5 m Above the floor level. If "D" is less then 1.5 m., take the distance of 1.5 m.
2. Measuring point 6 is 45° upper distance "Df" equal to the fan diameter, away from the top edge of the fan stack. If "Df" is less then 1.5 m. take the distance of 1.5 m.
3. Measured noise levels should not be affected by surroundings such as echo.
4. Noise levels should be measured based on A scale.





### \* BKC - C Specifications Table

Design conditions : water volume 13 l/min. RT temperature 37°C ----> 32°C (W.B. 27°C) 1 Rt = 3900 kcal/s

| Type<br>BKC - C | WATER<br>VOLUME<br>(l/min) | DIMENSION (mm) |      |      | AXIAL FLOW FAN |       |    |     | WEIGHT (Kg.) |           | COOLING<br>CAPACITY<br>(RT) |
|-----------------|----------------------------|----------------|------|------|----------------|-------|----|-----|--------------|-----------|-----------------------------|
|                 |                            |                |      |      | DIMENSION      | MOTOR |    |     |              |           |                             |
|                 |                            | L              | W    | H    | ( ϕ mm )       | HP    | P  | QTY | DRY          | OPERATION |                             |
| 40              | 520                        | 1260           | 1800 | 2500 | 960            | 2     | 8  | 1   | 950          | 1800      | 40                          |
| 50              | 650                        | 1470           | 2700 | 3100 | 1160           | 2     | 8  | 1   | 1050         | 1950      | 50                          |
| 60              | 780                        | 1470           | 3000 | 3100 | 1160           | 2     | 8  | 1   | 1270         | 2280      | 60                          |
| 70              | 910                        | 1870           | 3625 | 3100 | 1160           | 3     | 8  | 1   | 1370         | 2380      | 70                          |
| 80              | 1040                       | 2120           | 4025 | 3000 | 1500           | 3     | 8  | 1   | 1490         | 2450      | 80                          |
| 100             | 1300                       | 2125           | 4100 | 3250 | 1500           | 5     | 10 | 1   | 1650         | 2730      | 100                         |
| 125             | 1625                       | 2125           | 4100 | 3650 | 1700           | 5     | 10 | 1   | 2160         | 3360      | 125                         |
| 150             | 1950                       | 3670           | 4025 | 3000 | 1500           | 3     | 8  | 2   | 2950         | 4600      | 150                         |
| 175             | 2275                       | 4170           | 4275 | 3500 | 1700           | 3     | 8  | 2   | 3100         | 4810      | 175                         |
| 200             | 2600                       | 4125           | 4100 | 3250 | 1500           | 5     | 10 | 2   | 3430         | 5430      | 200                         |
| 250             | 3250                       | 4125           | 4100 | 3650 | 1700           | 5     | 10 | 2   | 3940         | 6220      | 250                         |
| 300             | 3900                       | 6175           | 4100 | 3250 | 1500           | 5     | 10 | 3   | 4950         | 7880      | 300                         |

\* RELATIVE TO INQUIRIES (COMMON FOR ENCLOSED TYPES OF COOLING TOWERS)

When inquiring about, or ordering, BKK cooling towers, please specify the following item :

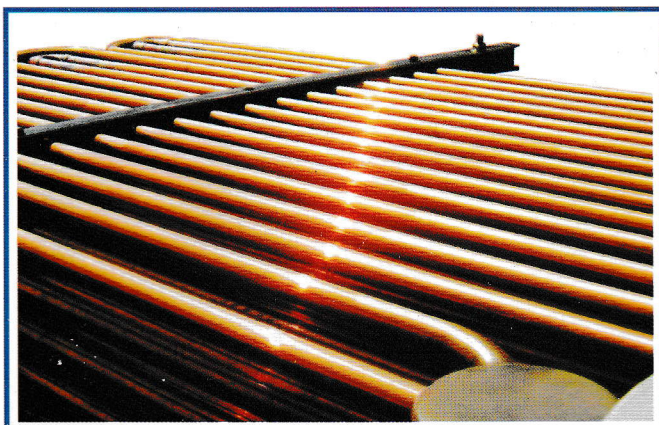
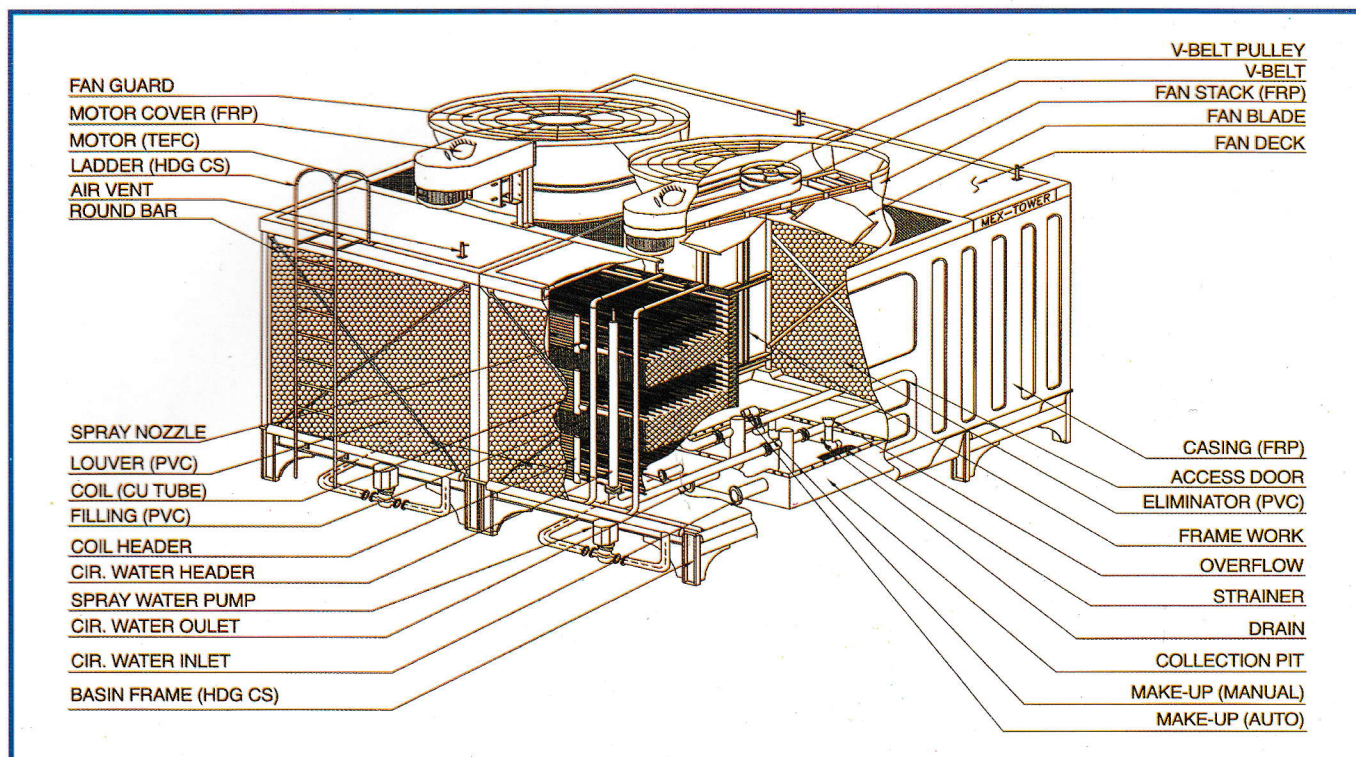
1. Circulating water volume (liters/min or T/H)
2. Tower inlet water temperature (°C)
3. Tower outlet water temperature (°C)
4. Wet bulb temperature (°C), or dry bulb temperature (°C) and relative humidity (%)
5. Constraining area or height of installation, and other factors of the installing location
6. Type of tower required
7. Power supply for fan : (a) voltage, (b) frequency, (c) phase number
8. Name of the locality of cooling tower erection
9. Any specifications relative to noise
10. Any other items of preference.



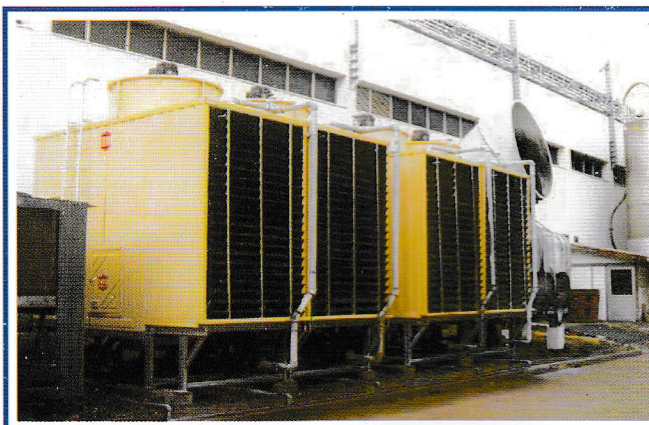


# BKC-C-TOWER

CROSS FLOW / CLOSED-CIRCUIT PACKAGE TOWER



WATER DISTRIBUTION THROUGH COPPER COIL



CLOSED CIRCUIT PACKAGED / FRP /  
Sony Dvice Technology (Thailand) Proj.

## FEATURES AND ADVANTAGES FOR BKC - C - TOWER

### 1. CONTAMINATION FREE

Cooling liquid (Mostly non freezing liquid) circulates in closed loop without contracting outside air and are kept in clean. Accordingly it prevents water from contamination.

### 2. ANTI CORROSION

Either copper or 304 Stainless steel is used for coil material to prevent corrosion.

### 3. LOW OPERATING COST

Comparatively less water consumption and less time significantly reduce operationing expense.

### 4. HIGH DUTY FAN

High-efficiency hollow aluminum fan blades are equipped as standard.

### 5. EASY ACCESS TO MAINTENANCE

Removal of the louvers provides access to all sides of the cold water basin for inspection, cleaning and maintenance.

### 6. WARRANTY

BKK Cooling Towers carry a 5-Year Warranty on the entire FRP Cooling and basin and a 3-Year Warranty on other cooling tower components.  
(Please refer to BKK Cooling Tower Maintenance Manual)





# ENCLOSE

## CROSS FLOW / CLOSED-CIRCUIT PACKAGE TOWER

