

KH

CROSSFLOW MODULAR TYPE



ISO-9001
2000 VERSION



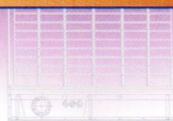
KS COOLING TOWER

HIGH PERFORMANCE
SUPER LOW NOISE



KING SUN INDUSTRY CO., LTD.

Selection Table



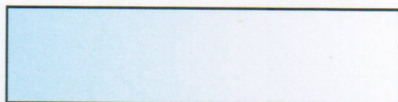
| MODEL | ORDINARY TEMP. | | | | | | | | MID-TEMP. | | HIGH TEMP. | |
|--------------|----------------|----------|--------|----------|--------|----------|--------|----------|-----------|--------|------------|--------|
| Wet bulb(°C) | 27(°C) | | 28(°C) | | 29(°C) | | 30(°C) | | 27(°C) | 28(°C) | 27(°C) | 28(°C) |
| (°C) | 37(°C) | 37.5(°C) | 37(°C) | 37.5(°C) | 37(°C) | 37.5(°C) | 38(°C) | 38.5(°C) | 42(°C) | 42(°C) | 60(°C) | 60(°C) |
| L/min | 32(°C) | 32(°C) | 32(°C) | 32(°C) | 32(°C) | 32(°C) | 33(°C) | 33(°C) | 32(°C) | 32(°C) | 35(°C) | 35(°C) |
| MODEL | | | | | | | | | | | | |
| 80RT | 1040 | 959 | 920 | 832 | 735 | 698 | 785 | 741 | 660 | 580 | 680 | 635 |
| 100RT | 1300 | 1208 | 1150 | 1021 | 880 | 825 | 934 | 873 | 780 | 685 | 780 | 735 |
| 125RT | 1625 | 1508 | 1420 | 1301 | 1170 | 1099 | 1233 | 1165 | 1040 | 910 | 1070 | 1000 |
| 150RT | 1950 | 1809 | 1700 | 1573 | 1405 | 1328 | 1490 | 1412 | 1270 | 1115 | 1310 | 1235 |
| 175RT | 2275 | 2105 | 2020 | 1835 | 1635 | 1539 | 1725 | 1630 | 1470 | 1280 | 1505 | 1415 |
| 200RT | 2600 | 2414 | 2270 | 2110 | 1880 | 1782 | 1989 | 1892 | 1700 | 1490 | 1755 | 1660 |
| 225RT | 2925 | 2734 | 2500 | 2323 | 2005 | 1904 | 2161 | 2016 | 1800 | 1585 | 1810 | 1705 |
| 250RT | 3250 | 2990 | 2900 | 2581 | 2290 | 2165 | 2449 | 2305 | 2050 | 1800 | 2090 | 1945 |
| 300RT | 3900 | 3631 | 3350 | 3113 | 2730 | 2570 | 2897 | 2736 | 2435 | 2140 | 2460 | 2310 |
| 350RT | 4550 | 4220 | 4000 | 3673 | 3290 | 3126 | 3481 | 3289 | 2975 | 2615 | 3070 | 2890 |
| 400RT | 5200 | 4828 | 4600 | 4169 | 3730 | 3515 | 3959 | 3745 | 3360 | 2925 | 3445 | 3245 |
| 450RT | 5850 | 5531 | 5132 | 4844 | 4269 | 4036 | 4565 | 4299 | 3907 | 3430 | 4120 | 3852 |
| 500RT | 6500 | 6120 | 5800 | 5431 | 4825 | 4602 | 5128 | 4869 | 4410 | 4005 | 4720 | 4490 |
| 600RT | 7800 | 7243 | 6900 | 6330 | 5640 | 5346 | 5967 | 5677 | 5110 | 4475 | 5265 | 4980 |
| 700RT | 9100 | 8573 | 8100 | 7531 | 6735 | 6386 | 7123 | 6749 | 6140 | 5230 | 6140 | 5780 |
| 750RT | 9750 | 8970 | 8700 | 7743 | 6870 | 6495 | 7347 | 6915 | 6150 | 5400 | 6270 | 5835 |
| 800RT | 10400 | 9657 | 9200 | 8440 | 7520 | 7127 | 7956 | 7568 | 6810 | 5965 | 7020 | 6635 |
| 900RT | 11700 | 11082 | 10235 | 9671 | 8600 | 8145 | 9104 | 8586 | 7858 | 6199 | 8300 | 7765 |
| 1000RT | 13000 | 12277 | 11600 | 10881 | 9850 | 9350 | 10327 | 9862 | 9058 | 8185 | 9790 | 9335 |
| 1050RT | 13650 | 12750 | 11900 | 11200 | 9900 | 9430 | 10500 | 9900 | 9120 | 8220 | 9840 | 9380 |
| 1200RT | 15600 | 14700 | 13600 | 12700 | 11400 | 10750 | 12000 | 11400 | 10300 | 9000 | 10700 | 10100 |
| 1400RT | 18200 | 17150 | 15800 | 15000 | 13200 | 12550 | 14000 | 13400 | 11750 | 10460 | 12750 | 11560 |
| 1500RT | 19500 | 18415 | 17400 | 16321 | 14775 | 14025 | 15490 | 14793 | 13587 | 10706 | 14160 | 13470 |
| 1600RT | 20800 | 19600 | 18133 | 16933 | 15200 | 14333 | 16000 | 15200 | 13733 | 12000 | 14265 | 13545 |
| 1800RT | 23400 | 22163 | 20470 | 19342 | 17259 | 16290 | 18208 | 17172 | 15716 | 12317 | 16600 | 15530 |
| 2000RT | 26000 | 24554 | 23200 | 21762 | 19700 | 18700 | 20654 | 19724 | 18116 | 16370 | 19580 | 18670 |
| 2250RT | 29250 | 27704 | 25587 | 24177 | 21499 | 20362 | 22759 | 21465 | 19644 | 17150 | 20349 | 19412 |
| 2500RT | 32500 | 30692 | 29000 | 27202 | 24625 | 23375 | 25817 | 24655 | 22645 | 20462 | 24475 | 23337 |

1. The standard design condition is inlet water temp. 37°C, outlet water temp. 32°C, ambient wet bulb temp. 27°C.
2. When selecting the suitable model number, please refer to the local ambient wet bulb temp.
3. If the temp. condition are beyond what are listed in this table, please contact our sales representative to select for you.
4. It is also available to use the selection chart in page 3 & 4.

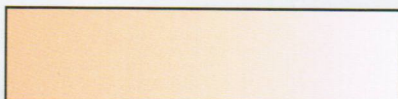
Modular Combination



| | 80 RT per cell | 100/125RT per cell | 150/175 RT per cell | 200/225 RT per cell | 250 RT per cell | 300 RT per cell | 350/400 RT per cell | 450/500 RT per cell |
|---------|----------------|--------------------|---------------------|---------------------|-----------------|-----------------|---------------------|---------------------|
| KH-80 | 80-C1 | | | | | | | |
| KH-100 | | 100-C1 | | | | | | |
| KH-125 | | 125-C1 | | | | | | |
| KH-150 | | | 150-C1 | | | | | |
| KH-175 | | | 175-C1 | | | | | |
| KH-200 | | | | 200-C1 | | | | |
| KH-225 | | | | 225-C1 | | | | |
| KH-250 | | | | | 250-C1 | | | |
| KH-300 | | | 150-C2 | | | 300-C1 | | |
| KH-350 | | | 175-C2 | | | | 350-C1 | |
| KH-400 | | | | 200-C2 | | | 400-C1 | |
| KH-450 | | | | 225-C2 | | | | 450-C1 |
| KH-500 | | | | | 250-C2 | | | 500-C1 |
| KH-600 | | | | 200-C3 | | 300-C2 | | |
| KH-700 | | | | | | | 350-C2 | |
| KH-750 | | | | | 250-C3 | | | |
| KH-800 | | | | 200-C4 | | | 400-C2 | |
| KH-900 | | | | 225-C4 | | 300-C3 | | 450-C2 |
| KH-1000 | | | | | 250-C4 | | | 500-C2 |
| KH-1050 | | | | | | | 350-C3 | |
| KH-1200 | | | | | | 300-C4 | 400-C3 | |
| KH-1400 | | | | | | | 350-C4 | |
| KH-1500 | | | | | | 300-C5 | | 500-C3 |
| KH-1600 | | | | | | | 400-C4 | |
| KH-1800 | | | | | | | | 450-C4 |
| KH-2000 | | | | | | | 400-C5 | 500-C4 |
| KH-2250 | | | | | | | | 450-C5 |
| KH-2500 | | | | | | | | 500-C5 |



For specification of this color modular combination, please refer to page 5、6、9、10、13.



For specification of this color modular combination, please refer to page 7、8、11、12、13.

We could also provide other tonnage of modular combination, please consult with our representative.

Selection Chart

■ EXAMPLE:

Design Condition:

Water Flow: 14,700 L.P.M

Water in Temp.: 37°C

Water out Temp.: 32°C

W.B.Temp.: 27°C

Range: Water in Temp. - Water out Temp. (°C)

37°C - 32°C = 5°C

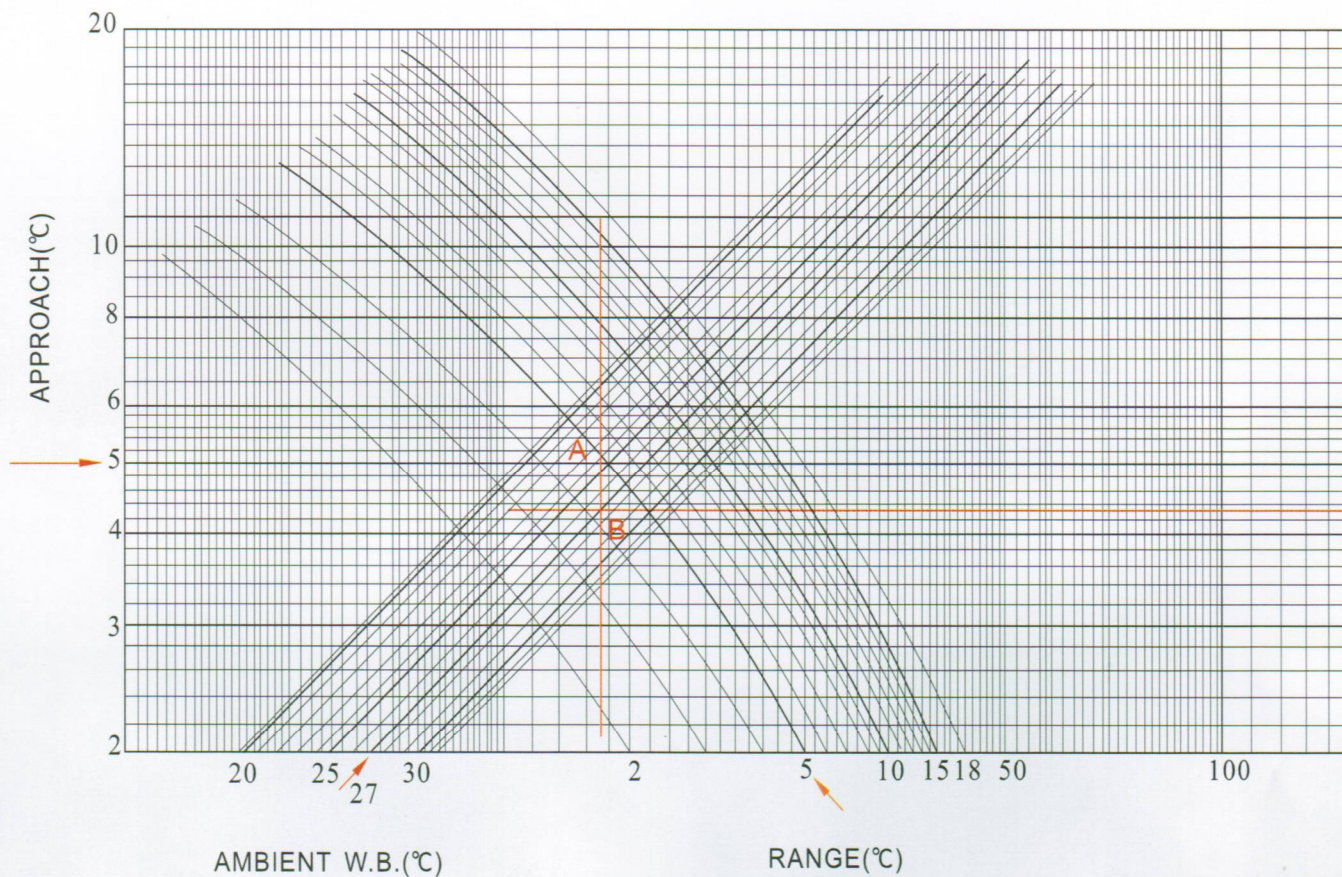
Approach: Water out Temp. - W.B.Temp. (°C)

32°C - 27°C = 5°C

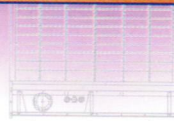
This selection chart is for single cell only, we assume maximum water flow is 6500 L.P.M per cell.

Also assume 6,500~13,000 L.P.M is two cells, 13,000~19,500 L.P.M is three cells, and so on.

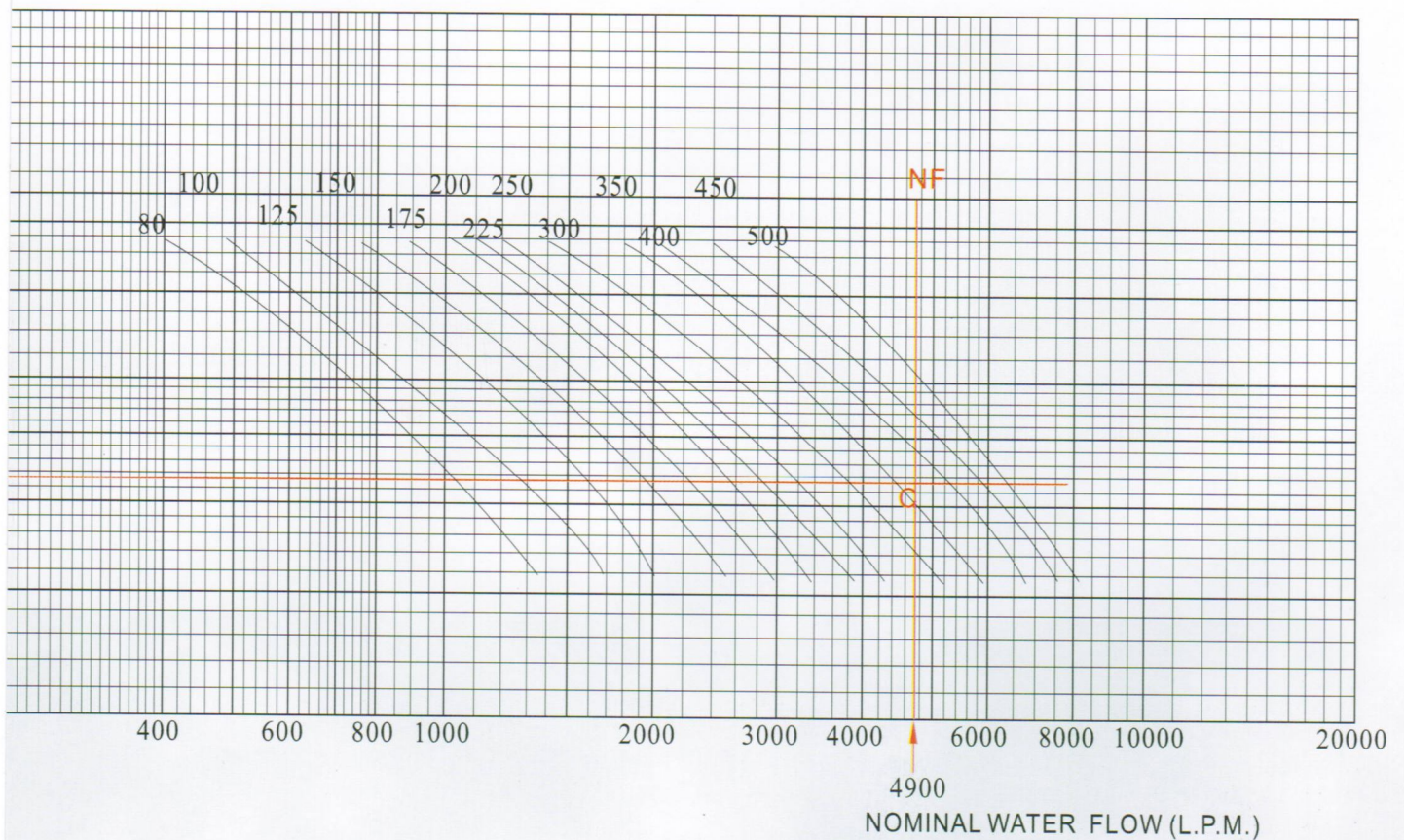
We divide the designed water flow to be single cell, so each cell is 4,900 L.P.M (14,700 ÷ 3)



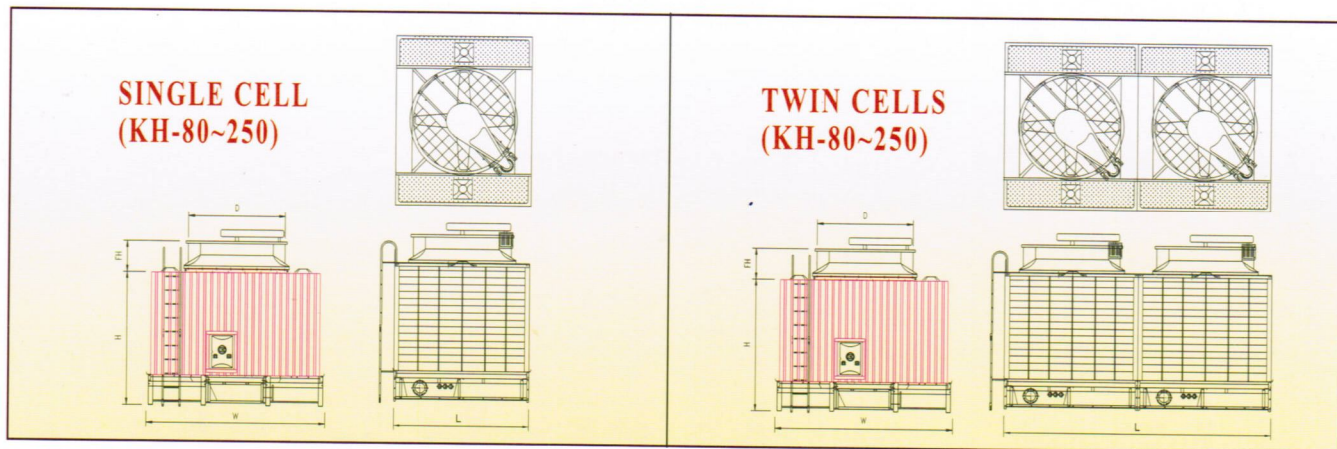
Selection Chart



1. Find point A which is the intersection point of range 5 and approach 5.
2. Draw a perpendicular line up or down from point A to the ambient wet bulb curve 27. We call it point B.
3. Draw a horizontal line rightward from point B.
4. Draw a perpendicular line from water flow 4,900 L.P.M. We call it line NF.
5. There is an intersection point of the line NF and the horizontal line. We call it point C.
6. If point C falls on the curve of a model, the selection is this model. If point C falls between two curves, select the larger model.
7. Because point C falls between the curves of 350 & 400, the selection is KH-400.
8. Because total water flow is for three cells, the correct selection is KH-1200(400-C3).
9. If point C falls on right side of curve 500RT, we need to assume one more cell.
 In case the assumption is three cells, we need to re-assume it to be four cells. Divide total design water flow by the newly assumed cell number and select again from procedure 1.
10. If it is not possible to select from this chart, please contact our sales representative to select for you.



Dimension & Specification



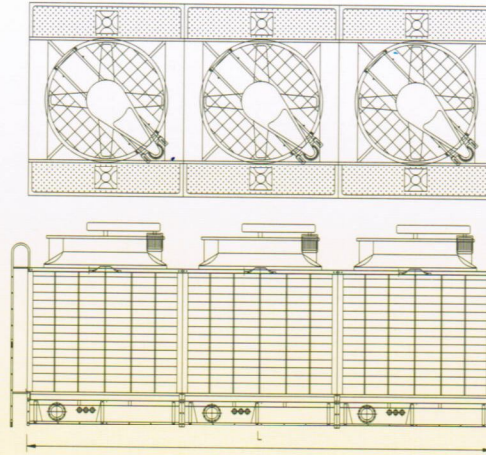
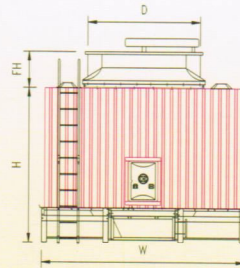
| KH RT | CELLS | DIMENSION | | | | AIR VOLUME | FAN DIA | MOTOR | | HEAD | DRY WEIGHT | OPERATING WEIGHT |
|----------|--------|-----------|------|------|-----|---------------------|---------|-------|-------|------|------------|------------------|
| | | L | W | H | FH | M ³ /Min | mm | Hp | Kw | M | Kg | Kg |
| 80 | 80-C1 | 1480 | 2980 | 2575 | 540 | 550*1 | 1200 | 2*1 | 1.5*1 | 3.1 | 731 | 1,644 |
| 100 | 100-C1 | 1780 | 2980 | 2575 | 540 | 670*1 | 1200 | 3*1 | 2.2*1 | 3.1 | 806 | 1,829 |
| 125 | 125-C1 | 1780 | 3280 | 2575 | 620 | 940*1 | 1500 | 5*1 | 3.7*1 | 3.1 | 840 | 1,914 |
| 150 | 150-C1 | 2080 | 3280 | 2575 | 620 | 1000*1 | 1500 | 5*1 | 3.7*1 | 3.1 | 914 | 2,108 |
| 175 | 175-C1 | 2080 | 3580 | 2875 | 770 | 1160*1 | 1800 | 5*1 | 3.7*1 | 3.4 | 993 | 2,273 |
| 300 | 150-C2 | 4070 | 3280 | 2575 | 620 | 1000*2 | 1500 | 5*2 | 3.7*2 | 3.1 | 1,828 | 4,216 |
| 350 | 175-C2 | 4070 | 3580 | 2875 | 770 | 1160*2 | 1800 | 5*2 | 3.7*2 | 3.4 | 1,987 | 4,547 |
| 200 | 200-C1 | 2380 | 3880 | 2875 | 770 | 1320*1 | 2100 | 5*1 | 3.7*1 | 3.4 | 1,088 | 2,569 |
| 225 | 225-C1 | 2680 | 3880 | 2875 | 770 | 1580*1 | 2100 | 7.5*1 | 5.5*1 | 3.4 | 1,161 | 2,784 |
| 400 | 200-C2 | 4670 | 3880 | 2875 | 770 | 1320*2 | 2100 | 5*2 | 3.7*2 | 3.4 | 2,176 | 5,139 |
| 450 | 225-C2 | 5270 | 3880 | 2875 | 770 | 1580*2 | 2100 | 7.5*2 | 5.5*2 | 3.4 | 2,323 | 5,569 |
| 600 | 200-C3 | 6960 | 3880 | 2875 | 770 | 1320*3 | 2100 | 5*3 | 3.7*3 | 3.4 | 3,263 | 7,708 |
| 800 | 200-C4 | 9250 | 3880 | 2875 | 770 | 1320*4 | 2100 | 5*4 | 3.7*4 | 3.4 | 4,351 | 10,277 |
| 900 | 225-C4 | 10450 | 3880 | 2875 | 770 | 1580*4 | 2100 | 7.5*4 | 5.5*4 | 3.4 | 4,645 | 11,138 |
| 250 | 250-C1 | 2980 | 3880 | 2875 | 770 | 1660*1 | 2100 | 7.5*1 | 5.5*1 | 3.4 | 1,261 | 3,026 |
| 500 | 250-C2 | 5870 | 3880 | 2875 | 770 | 1660*2 | 2100 | 7.5*2 | 5.5*2 | 3.4 | 2,523 | 6,053 |
| 750 | 250-C3 | 8760 | 3880 | 2875 | 770 | 1660*3 | 2100 | 7.5*3 | 5.5*3 | 3.4 | 3,784 | 9,079 |
| 1000 | 250-C4 | 11650 | 3880 | 2875 | 770 | 1660*4 | 2100 | 7.5*4 | 5.5*4 | 3.4 | 5,046 | 12,105 |

The basic design condition of KH cooling tower is:

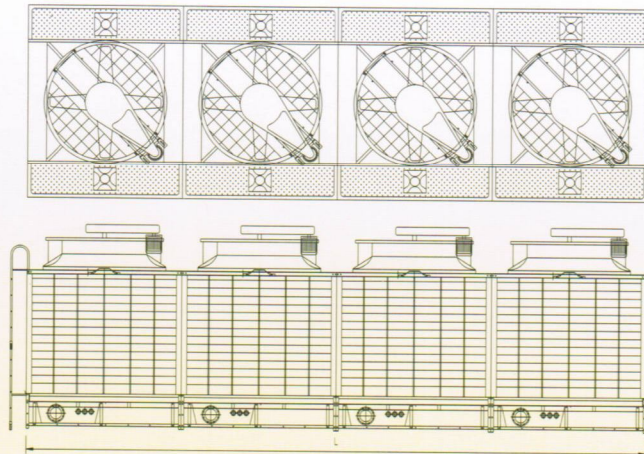
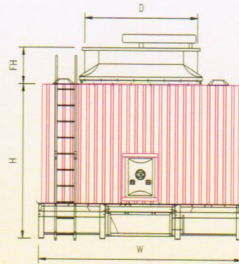
When hot water temp. is 37°C, cold water temp. is 32°C, and ambient wet bulb temp. is 27°C, 13LPM water flow rate is regarded to be one ton.

Modular Status

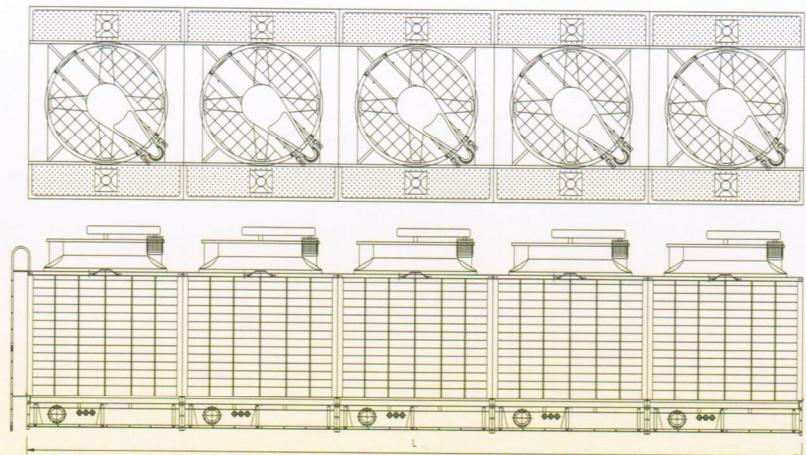
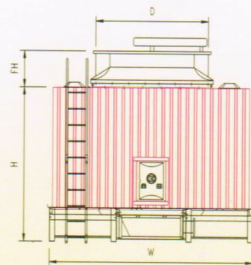
TRIO, THREE CELLS (KH-80~250)



QUATERNION, FOUR CELLS (KH-80~250)

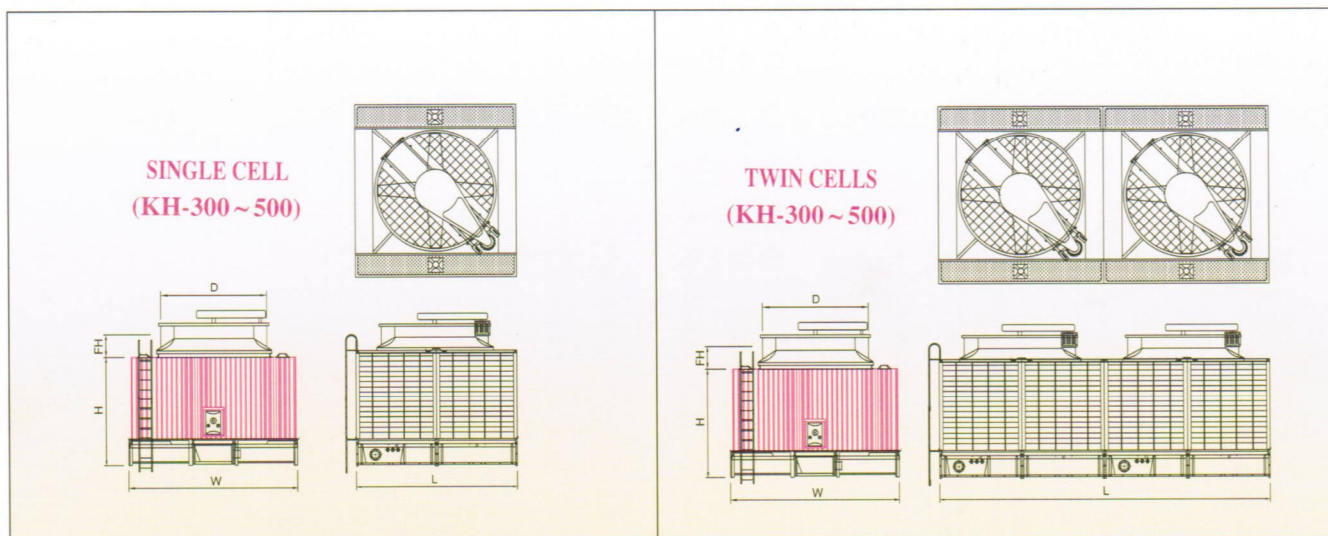


QUINTUPLET, FIVE CELLS (KH-80~250)



※We could also accept other modular combination which is not listed. Please contact our representative

Dimension & Specification



| KH RT | CELLS | DIMENSION | | | | AIR VOLUME | FAN DIA | MOTOR | | HEAD | DRY WEIGHT | OPERATING WEIGHT |
|----------|--------|-----------|------|------|-----|---------------------|---------|-------|-------|------|------------|------------------|
| | | L | W | H | FH | M ³ /Min | mm | Hp | Kw | M | Kg | Kg |
| 300 | 300-C1 | 3280 | 4180 | 3325 | 920 | 2120*1 | 2400 | 10*1 | 7.5*1 | 3.8 | 1,650 | 3,795 |
| 600 | 300-C2 | 6470 | 4180 | 3325 | 920 | 2120*2 | 2400 | 10*2 | 7.5*2 | 3.8 | 3,301 | 7,590 |
| 900 | 300-C3 | 9660 | 4180 | 3325 | 920 | 2120*3 | 2400 | 10*3 | 7.5*3 | 3.8 | 4,951 | 11,385 |
| 1200 | 300-C4 | 12850 | 4180 | 3325 | 920 | 2120*4 | 2400 | 10*4 | 7.5*4 | 3.8 | 6,601 | 15,180 |
| 1500 | 300-C5 | 16040 | 4180 | 3325 | 920 | 2120*5 | 2400 | 10*5 | 7.5*5 | 3.8 | 8,252 | 18,975 |

| | | | | | | | | | | | | |
|------|--------|-------|------|------|-----|--------|------|------|-------|-----|-------|--------|
| 350 | 350-C1 | 3580 | 4820 | 3325 | 920 | 2400*1 | 3000 | 10*1 | 7.5*1 | 3.8 | 1,802 | 4,325 |
| 400 | 400-C1 | 3880 | 4820 | 3325 | 920 | 2880*1 | 3000 | 15*1 | 11*1 | 3.8 | 1,923 | 4,619 |
| 700 | 350-C2 | 7070 | 4820 | 3325 | 920 | 2400*2 | 3000 | 10*2 | 7.5*2 | 3.8 | 3,604 | 8,650 |
| 800 | 400-C2 | 7670 | 4820 | 3325 | 920 | 2880*2 | 3000 | 15*2 | 11*2 | 3.8 | 3,845 | 9,238 |
| 1050 | 350-C3 | 10560 | 4820 | 3325 | 920 | 2400*3 | 3000 | 10*3 | 7.5*3 | 3.8 | 5,406 | 12,974 |
| 1200 | 400-C3 | 11460 | 4820 | 3325 | 920 | 2880*3 | 3000 | 15*3 | 11*3 | 3.8 | 5,768 | 13,857 |
| 1400 | 350-C4 | 14050 | 4820 | 3325 | 920 | 2400*4 | 3000 | 10*4 | 7.5*4 | 3.8 | 7,208 | 17,299 |
| 1600 | 400-C4 | 15250 | 4820 | 3325 | 920 | 2880*4 | 3000 | 15*4 | 11*4 | 3.8 | 7,690 | 18,477 |
| 2000 | 400-C5 | 19040 | 4820 | 3325 | 920 | 2880*5 | 3000 | 15*5 | 11*5 | 3.8 | 9,613 | 23,096 |

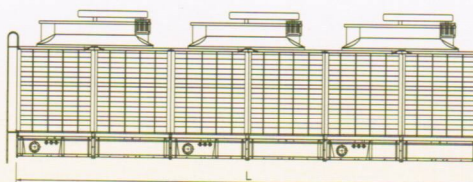
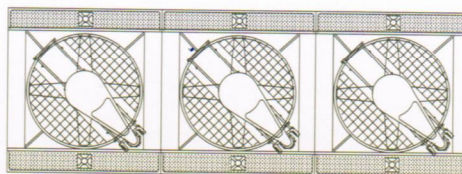
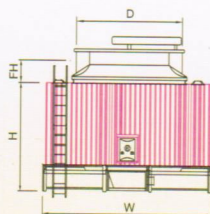
| | | | | | | | | | | | | |
|------|--------|-------|------|------|-----|--------|------|------|------|-----|--------|--------|
| 450 | 450-C1 | 4180 | 5220 | 3325 | 920 | 3110*1 | 3400 | 15*1 | 11*1 | 3.8 | 2,050 | 5,084 |
| 500 | 500-C1 | 4780 | 5220 | 3325 | 920 | 3300*1 | 3400 | 15*1 | 11*1 | 3.8 | 2,187 | 5,593 |
| 900 | 450-C2 | 8270 | 5220 | 3325 | 920 | 3110*2 | 3400 | 15*2 | 11*2 | 3.8 | 4,100 | 10,168 |
| 1000 | 500-C2 | 9470 | 5220 | 3325 | 920 | 3300*2 | 3400 | 15*2 | 11*2 | 3.8 | 4,374 | 11,185 |
| 1500 | 500-C3 | 14160 | 5220 | 3325 | 920 | 3300*3 | 3400 | 15*3 | 11*3 | 3.8 | 6,560 | 16,778 |
| 1800 | 450-C4 | 16450 | 5220 | 3325 | 920 | 3110*4 | 3400 | 15*4 | 11*4 | 3.8 | 8,199 | 20,335 |
| 2000 | 500-C4 | 18850 | 5220 | 3325 | 920 | 3300*4 | 3400 | 15*4 | 11*4 | 3.8 | 8,747 | 22,370 |
| 2250 | 450-C5 | 20540 | 5220 | 3325 | 920 | 3110*5 | 3400 | 15*5 | 11*5 | 3.8 | 10,249 | 25,419 |
| 2500 | 500-C5 | 23540 | 5220 | 3325 | 920 | 3300*5 | 3400 | 15*5 | 11*5 | 3.8 | 10,934 | 27,963 |

The basic design condition of KH cooling tower is:

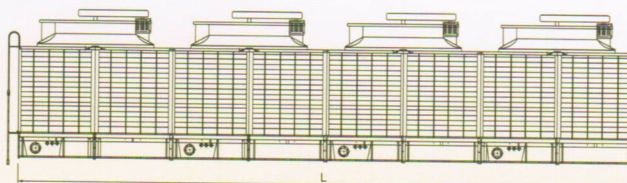
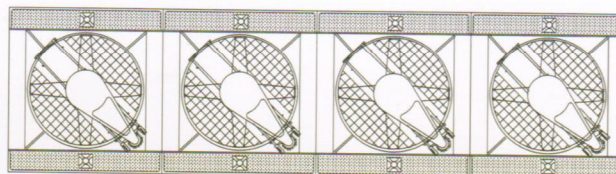
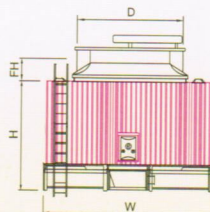
When hot water temp. is 37 °C, cold water temp. is 32 °C, and ambient wet bulb temp. is 27 °C, 13 LPM water flow rate is regarded to be one ton.

Modular Status

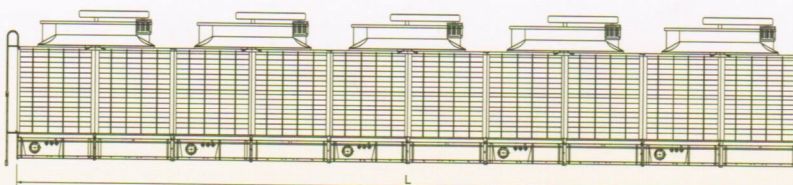
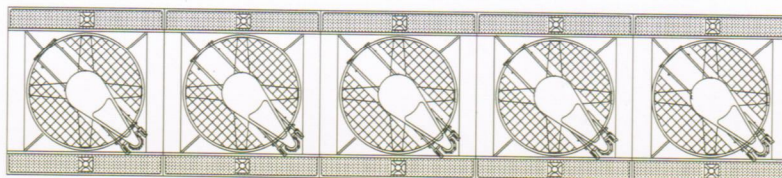
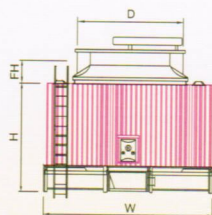
TRIO, THREE CELLS (KH-300~500)



QUATERNION, FOUR CELLS (KH-300~500)

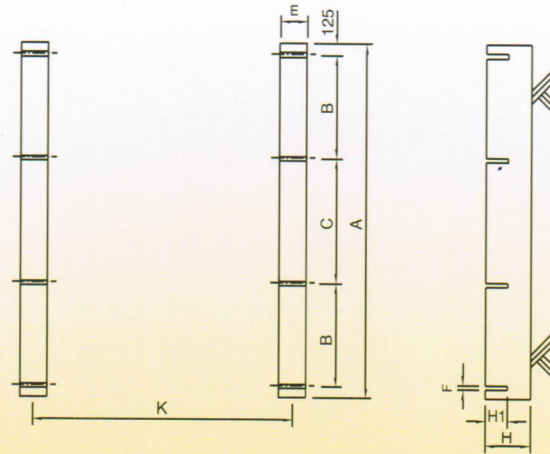


QUINTUPLET, FIVE CELLS (KH-300~500)

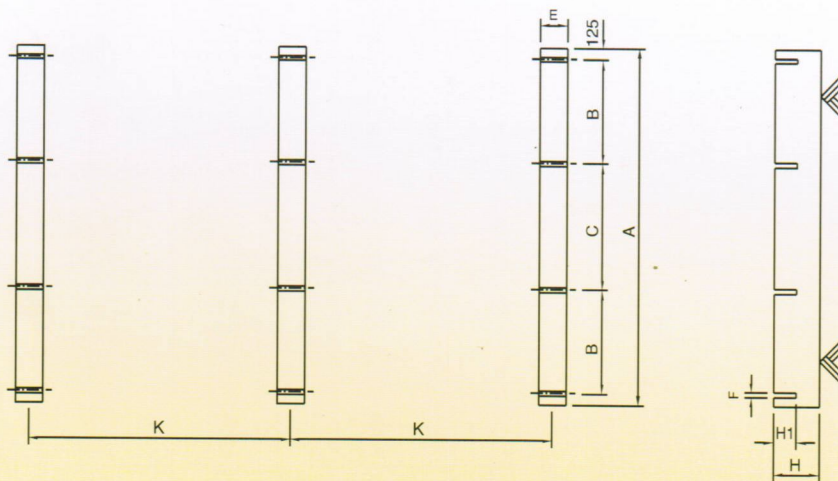


※We could also accept other modular combination which is not listed. Please contact our representative

Foundation Details



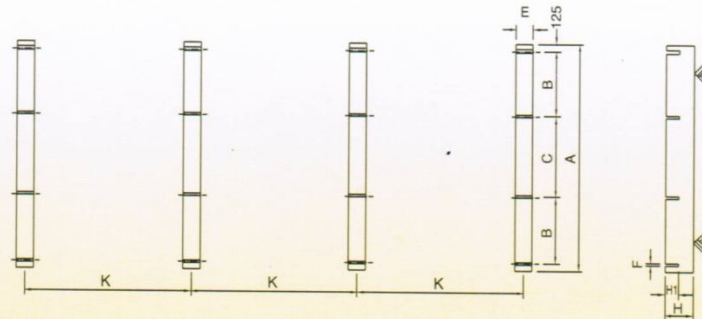
**SINGLE CELL
(KH-80~250)**



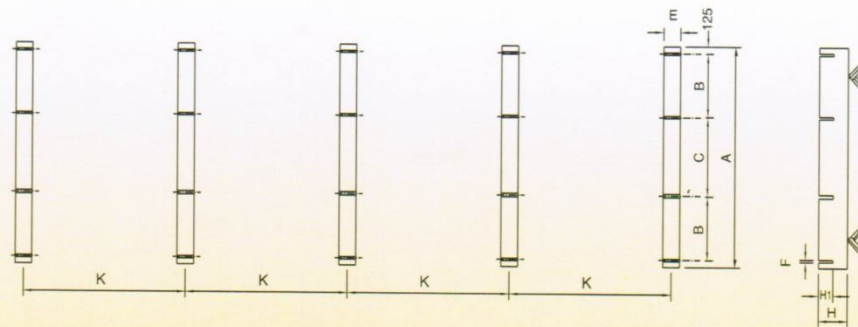
**TWIN CELLS
(KH-80~250)**

| | | 80RT | 100RT | 125RT | 150RT | 175RT | 200RT | 225RT | 250RT |
|-----------------------------|--------|------|-------|-------|-------|-------|-------|-------|-------|
| 1 CELL ~ 5 CELLS | A | 3040 | 3040 | 3340 | 3340 | 3640 | 3940 | 3940 | 3940 |
| | B | 695 | 695 | 845 | 845 | 995 | 1145 | 1145 | 1145 |
| | C | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 | 1400 |
| | K | 1390 | 1690 | 1690 | 1990 | 1990 | 2290 | 2590 | 2890 |
| | E | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| | H | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 |
| | H1 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 |
| | F | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Anchor Bolts M16*200L | 1CELL | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | 2CELLS | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 3CELLS | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| | 4CELLS | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | 5CELLS | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |

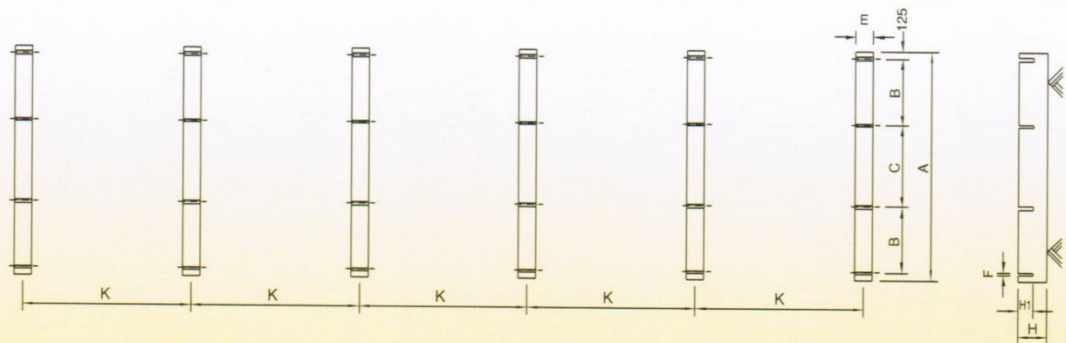
Foundation Details



TRIO, THREE CELLS
(KH-80~250)

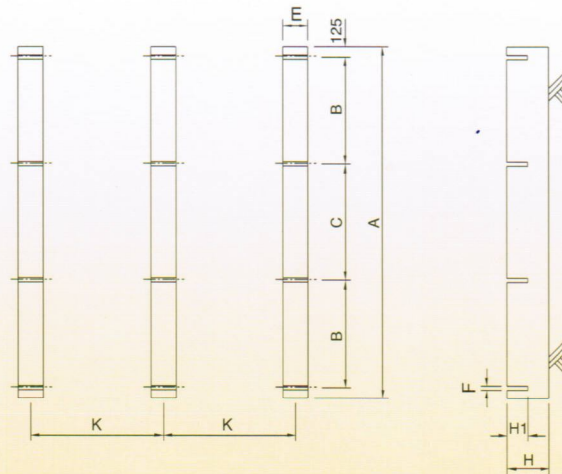
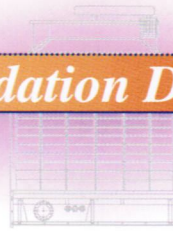


QUATERNION, FOUR CELLS
(KH-80~250)

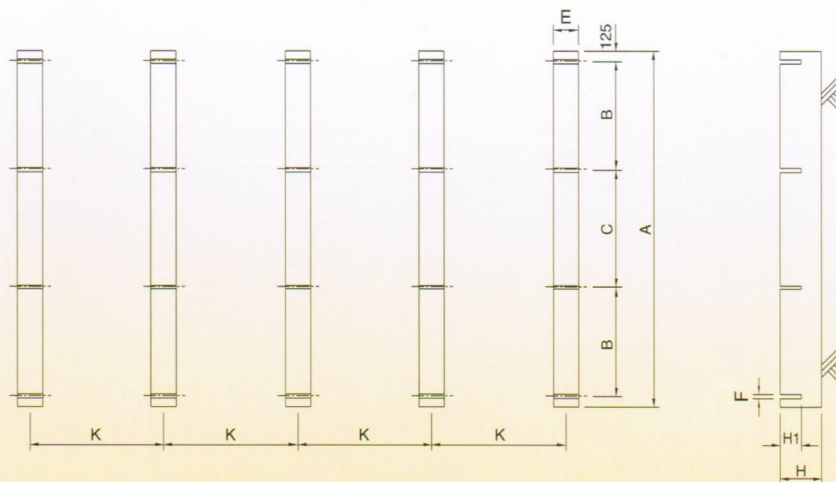


QUINTUPLET, FIVE CELLS
(KH-80~250)

Foundation Details



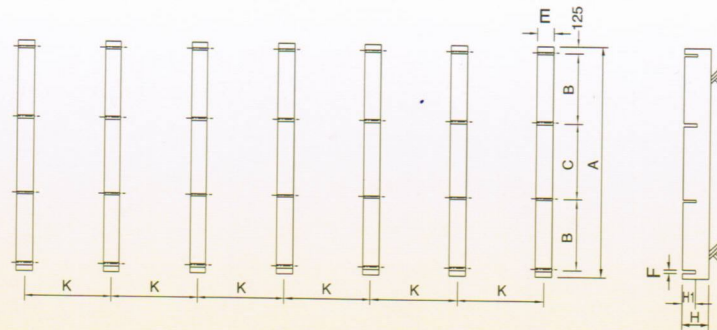
**SINGLE CELL
(KH-300~500)**



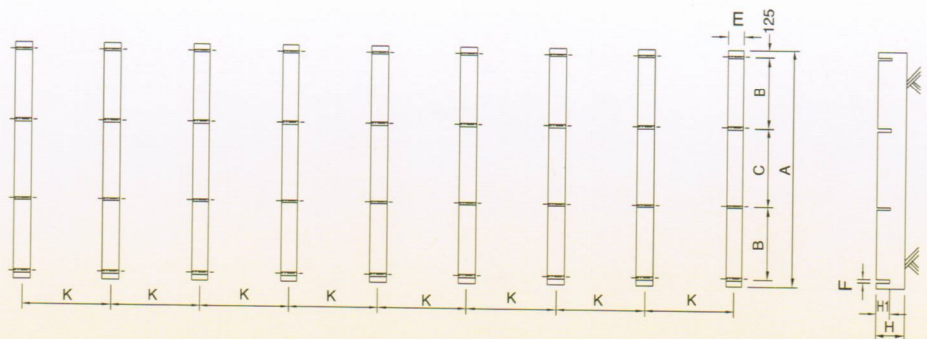
**TWIN CELLS
(KH-300~500)**

| | | 300RT | 350RT | 400RT | 450RT | 500RT |
|-----------------------------|---------|-------|-------|-------|-------|-------|
| 1 CELL ~ 5 CELLS | A | 4240 | 4880 | 4880 | 5280 | 5280 |
| | B | 695 | 1615 | 1615 | 1815 | 1815 |
| | C | 1400 | 1400 | 1400 | 1400 | 1400 |
| | K | 1595 | 1745 | 1895 | 2045 | 2345 |
| | E | 300 | 300 | 300 | 300 | 300 |
| | H | 500 | 500 | 500 | 500 | 500 |
| | H1 | 250 | 250 | 250 | 250 | 250 |
| | F | 50 | 50 | 50 | 50 | 50 |
| Anchor Bolts M16*200L | 1 CELL | 12 | 12 | 12 | 12 | 12 |
| | 2 CELLS | 20 | 20 | 20 | 20 | 20 |
| | 3 CELLS | 28 | 28 | 28 | 28 | 28 |
| | 4 CELLS | 36 | 36 | 36 | 36 | 36 |
| | 5 CELLS | 44 | 44 | 44 | 44 | 44 |

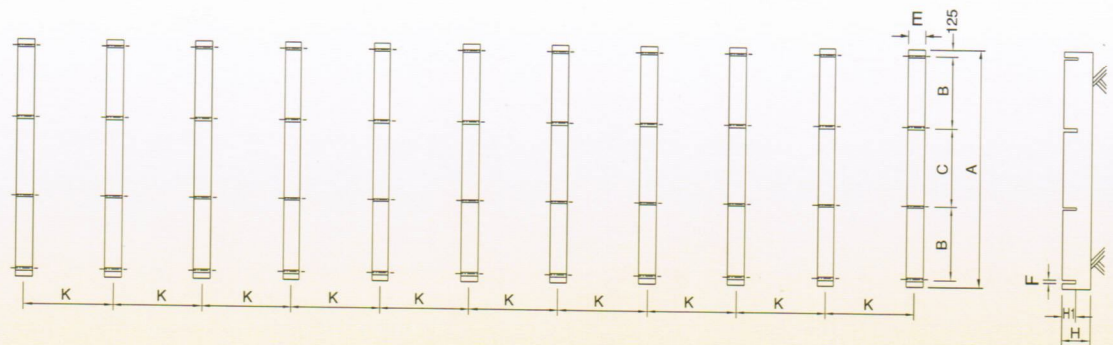
Foundation Details



TRIO, THREE CELLS
(KH-300~500)

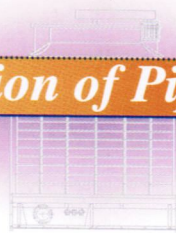


QUATERNION, FOUR CELLS
(KH-300~500)

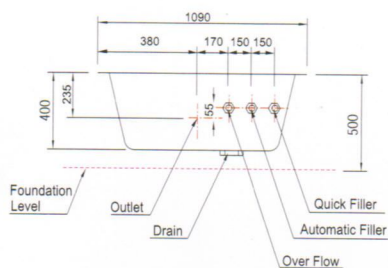


QUINTUPLET, FIVE CELLS
(KH-300~500)

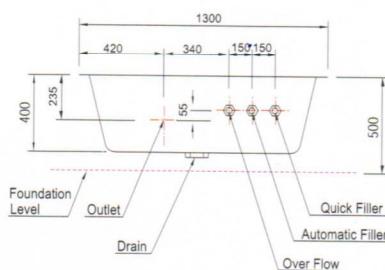
Specification of Pipe Connection



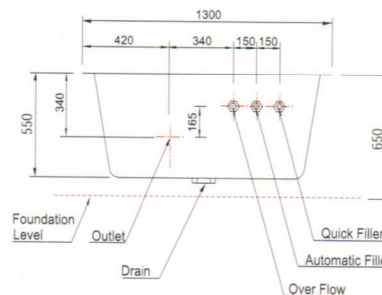
KH-80~100



KH-125~100



KH-300~500



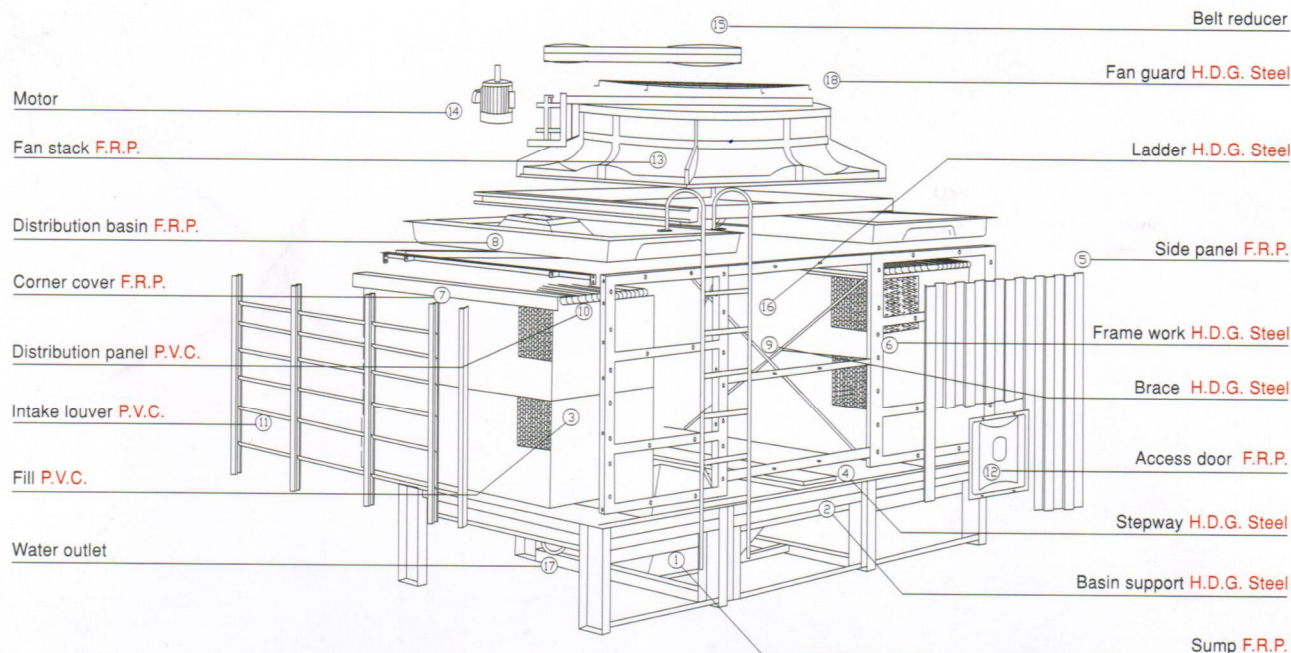
| RT | INLET DE | OUTLET S | AUTOMATIC BA | QUICK Q | OVER FLOW O | DRAIN DR |
|-----|-------------|-------------|-----------------|------------|----------------|-------------|
| 80 | 3"×2 | 4"×1 | 3/4"×1 | 3/4"×1 | 2"×1 | 2"×1 |
| 100 | 3"×2 | 5"×1 | 1"×1 | 1"×1 | 2"×1 | 2"×1 |
| 125 | 4"×2 | 5"×1 | 1"×1 | 1"×1 | 2"×1 | 2"×1 |
| 150 | 4"×2 | 6"×1 | 1"×1 | 1"×1 | 2"×1 | 2"×1 |
| 175 | 5"×2 | 6"×1 | 1"×1 | 1"×1 | 2"×1 | 2"×1 |
| 200 | 5"×2 | 6"×1 | 1 1/4"×1 | 1 1/4"×1 | 2"×1 | 2"×1 |
| 225 | 5"×2 | 8"×1 | 1 1/4"×1 | 1 1/4"×1 | 2"×1 | 2"×1 |
| 250 | 5"×2 | 8"×1 | 1 1/4"×1 | 1 1/4"×1 | 2"×1 | 2"×1 |
| 300 | 5"×2 | 8"×1 | 1 1/4"×1 | 1 1/4"×1 | 2"×1 | 2"×1 |
| 350 | 5"×2 | 8"×1 | 1 1/2"×1 | 1 1/2"×1 | 2"×1 | 2"×1 |
| 400 | 5"×2 | 8"×1 | 1 1/2"×1 | 1 1/2"×1 | 2"×1 | 2"×1 |
| 450 | 6"×2 | 10"×1 | 1 1/2"×1 | 1 1/2"×1 | 2"×1 | 2"×1 |
| 500 | 6"×2 | 10"×1 | 1 1/2"×1 | 1 1/2"×1 | 2"×1 | 2"×1 |

There are each one set of above six connections in single cell cooling tower. For modular type multi cells, the number of sets of connection are same as the number of cells.

Please consult with our representative if equalizing connections are required.

For high temperature condition, the pipe diameter might be changed. Please consult with our representative.

Instructions for the Installation



Standard Material

| | PARTS | MATERIAL |
|---|--------------------|-------------|
| 1 | Sump | F.R.P. |
| 2 | Basin support | H.D.G.Steel |
| 3 | Fill | P.V.C. |
| 4 | Stepway | H.D.G.Steel |
| 5 | Side panel | F.R.P. |
| 6 | Frame work | H.D.G.Steel |
| 7 | Corner cover | P.V.C. |
| 8 | Distribution basin | F.R.P. |
| 9 | Brace | H.D.G.Steel |

| | PARTS | MATERIAL |
|----|--------------------|-------------|
| 10 | Distribution panel | P.V.C. |
| 11 | Intake louver | P.V.C. |
| 12 | Access door | F.R.P. |
| 13 | Fan stack | F.R.P. |
| 14 | Motor | |
| 15 | Belt reducer | |
| 16 | Ladder | H.D.G.Steel |
| 17 | Water outlet | |
| 18 | Fan guard | H.D.G.Steel |

Features

1. Modular type design

Make full use of space; facile for mapping out a perfect installation design.

2. Meticulously engineered water circulation system

No debris-clog and dirt-sedimentation.

3. Lightweight and portable components, very easy for transportation and rigging.

Free from height limitation; Most suitable for sky-high buildings.

4. All key components are made of antirust & antiseptic materials

Strongly stands up to corrosion, microorganisms and harsh weather conditions.

5. Ingeniously corrugated fill

Excellent for heat-exchange. Specifically designed flow regulating function (patent pending) to avoid water splashing out of fill. Water will only flow down along the fill.

6. Louver type air-intake

Good at unifying air flow; greatly effective at eliminating splash.

7. Special drive design supported with high efficiency fan of adjustable fan pitch

Result in a very low noise level.

KING SUN INDUSTRIAL COOLING TOWER SERIES



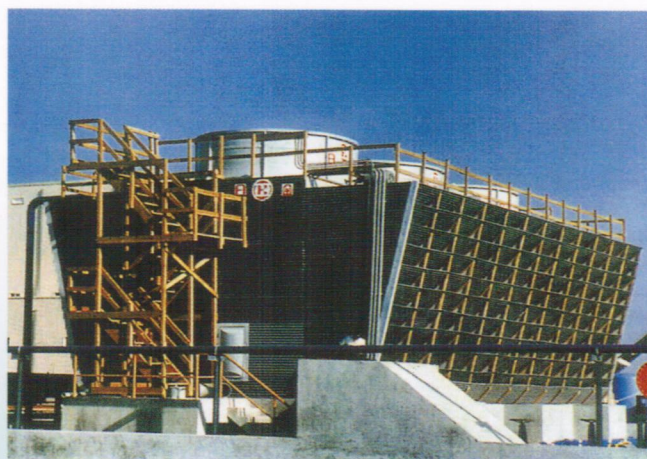
**Concrete Structure
Counterflow**



**Wood Structure
Counterflow**



**Concrete Structure
Crossflow**



**Wood Structure
Crossflow**



KING SUN INDUSTRY CO. LTD.

No. 5, Shao Hsing South Street, Taipei, Taiwan
TEL: 886-2-2341 7281 Ext. 136
FAX: 886-2-2356 0700 • 886-2-2321 9420
E-mail : lillian@kingsun.com.tw
Web page: www.kingsunct.com

Taiwan Plant :
No. 18, Ho Ting Rd., Chung Li, Tao Yuan County, Taiwan

Shanghai Plant :
No. 1, Jen Xing Rd., Yei Xei Town, Song Jiang Dist.
Shanghai, China

