



# Hi-Tech Equipments Trading L.L.C.

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## HTCL-30 Specification

### 1. Description :

- |                         |                     |
|-------------------------|---------------------|
| (1) Manufacturer        | : Hitech equipments |
| (2) Cooling Tower Model | : HTCL-30           |
| (3) Type                | : Counter Flow      |

### 2. Design & Operation Condition :

- |                                 |             |
|---------------------------------|-------------|
| (1) Circulating water flow rate | : 300 L/Min |
| (2) Inlet Water Temperature     | : 37°C      |
| (3) Outlet Water Temperature    | : 32°C      |
| (4) Wet Bulb Temperature        | : 27°C      |

### 3. Structural Details :

- |                                |                           |
|--------------------------------|---------------------------|
| (1) Number of Towers           | : 1 Tower                 |
| (2) Dimension per Tower        | : 170X950X2480mm (LXWX H) |
| (3) Dry Weight per Tower       | : 350 KG                  |
| (4) Operating Weight per Tower | : 800 KG                  |

### 4. Material of Construction (per Tower) :

- |                           |                           |
|---------------------------|---------------------------|
| (1) Framework Material    | : Stainless Steel #304    |
| (2) Heat Exchanger Coil   | : Copper                  |
| (3) Manufacturer of Coil  | : Mitsubishi              |
| (4) Water Basin           | : ABS                     |
| (5) Framework Material    | : Stainless Steel #304    |
| (6) Heat Exchanger Coil   | : ABS                     |
| (7) Manufacturer of Coil  | : ABS                     |
| (8) Water Basin           | : Stainless Steel #304    |
| (9) Heat Exchanger Coil   | : 170X950X2480mm (LXWX H) |
| (10) Manufacturer of Coil | : 350 KG                  |
| (11) Water Basin          | : 800 KG                  |

### 5. Mechanical Equipment (per Tower) :

#### 1-1. Fan :

- |                            |                                 |
|----------------------------|---------------------------------|
| (1) Number of Fans         | : 1 Set                         |
| (2) Type                   | : Axial Flow Fan (Low Noise 8P) |
| (3) Manufacturer           | : European community            |
| (4) Material of Fan Blades | : Aluminum Alloy                |
| (5) Fan Guard              | : Stainless Steel #304          |
| (6) Fan Shaft              | : Medium-Carbon Steel           |
| (7) Fan Stack              | : ABS                           |



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(8) Lifting Ears	: N/A
(9) Access Doors	: N/A
(10) Number of Fan Blades	: 6
(11) Fan Speed	: 850RPM
(12) Diameter	: 28"
(13) Air Volume	: 11500 m <sup>3</sup> /hr
(14) Make-Up Valve	: bronze make-up valve With stainless steel stick & plastic ball

## 1-2. Fan Motor :

(1) Number	: 1 Set
(3) Electric Phase / Frequency / Voltage	: 3Ø / 60 Hz / 380v
(4) Rated Power x Pole	: Aluminum Alloy
(5) Insulation	: IP55
(6) Certification	: UL & CE

## 1-3. Spray Pump Motor :

(1) Number	: 1 Set
(2) Manufacturer	: TECO
(3) Rated Power	: 0.75 KW
(4) Certification	: UL & CE

## 1-4. Electronic Limescale Recover :

(1) Rated Power	: 5W
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## 6. Piping Connection (per Tower) :

(1) Inlet Pipe	: 2-1/2 B
(2) Outlet Pipe	: 2-1/2 B
(3) Automatic Filler	: 1/2 B
(4) Quick Filler	: 1/2 B
(5) Drain	: 1 B