Artisan Craft (Bd) Ltd.
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Manufacturer: **Artisan Craft (Bd) Ltd**

Type: **Mechanical Induced Draft Counter Flow Bottle Type Cooling Tower**

Model: **ART-10**

## DESIGN & PARAMETERS

- Heat Rejection: 44 KW
- Water Flow Rate: 7 m3/h
- Water Intlet Temp: 37 °C
- Water Outlet Temp: 32 °C
- Wet Bulb Temp: 29 °C
- Range Temp: 5 °C
- Approach: 3 °C
- Evaporation Loss : 0.83%
- Drift Loss: <0.01%
- Make-up Water: <1.5%
- Noise Level: 70.5 dB (A)
- Inlet Water Pressure Head: 20 Kpa

## MATERIAL OF CONSTRUCTION

- Basin: FRP
- Casing: FRP
- Access Door: NIL
- Fan Stack: NIL
- Distribution Basin: NIL
- Louver: Al Net
- In-fill: PVC
- Eliminator: FRP
- Hardwares: H.D.G.S
- Ladder: H.D.G.S
- Safety Cage : NIL
- Safety Guard Rail: NIL
- Bolts & Nuts: H.D.G.S

## FAN ASSEMBLY & MOTOR

- Type of Fan: Axial
- Fan Diameter : 482 mm
- Fan Speed: 1440
- No. of Fan Blade: 4
- MOC Fan Blade: Nylon
- Air Flow Rate: 5100 $m^3/h$
- Motor Type: TEFC
- Motor Rating: 0.18KW
- Pole No: 4
- Motor Rpm: 1440
- Voltage/Phase/Hz: 380V/3 Phase/50Hz
- Ingress Protection Rating: IP55
- Insulation: Class F

## WATER DISTRIBUTION SYSTEM

- Sprinkler Distribution System
- Inlet Pipe: DN40
- Outlet Pipe: DN40
- Flaot Valve: DN15
- MakeUp: DN15
- Overflow: DN25
- Drain: DN15

## PHYSICAL DATA

- Diameter: 1050mm
- Height: 1605 mm
- Dry weight: 55Kg
- OperatingWeight: 137Kg