

FW-500 LOW NOISE TYPE COOLING TOWER SPECIFICATION

Manufacturer	RYOWO (HOLDING) CO., LTD.
Type	Induced Draft Cross Flow Vertical Discharge Type
Origin	China

<table border="1"> <tr> <td>1 Design Condition</td> <td></td> </tr> <tr> <td>Nominal Flow (m³/hr)</td> <td>500.0</td> </tr> <tr> <td>Water Out Temp.</td> <td>32°C</td> </tr> <tr> <td>Water In Temp.</td> <td>37°C</td> </tr> <tr> <td>Ambient Wet Bulb Temp.</td> <td>28°C</td> </tr> <tr> <td colspan="2">2 Overall Dimension</td> </tr> <tr> <td>Length (mm)</td> <td>4400</td> </tr> <tr> <td>Width (mm)</td> <td>5200</td> </tr> <tr> <td>Height (mm)</td> <td>4430</td> </tr> <tr> <td>Net Weight (kgs)</td> <td>3330</td> </tr> <tr> <td>Operating Weight (kgs)</td> <td>7600</td> </tr> <tr> <td colspan="2">3 Motor</td> </tr> <tr> <td>Type</td> <td>TEFC</td> </tr> <tr> <td>Volt/Phase/Hz</td> <td>380/3/50HZ</td> </tr> <tr> <td>Power</td> <td>10HP 7.5kw</td> </tr> <tr> <td colspan="2">4 Fan</td> </tr> <tr> <td>Type</td> <td>Axial</td> </tr> <tr> <td>Diameter (mm)</td> <td>ø2000</td> </tr> <tr> <td>No. of Fan</td> <td>2</td> </tr> <tr> <td>Transmission Type</td> <td>Vee Belt</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table>	1 Design Condition		Nominal Flow (m ³ /hr)	500.0	Water Out Temp.	32°C	Water In Temp.	37°C	Ambient Wet Bulb Temp.	28°C	2 Overall Dimension		Length (mm)	4400	Width (mm)	5200	Height (mm)	4430	Net Weight (kgs)	3330	Operating Weight (kgs)	7600	3 Motor		Type	TEFC	Volt/Phase/Hz	380/3/50HZ	Power	10HP 7.5kw	4 Fan		Type	Axial	Diameter (mm)	ø2000	No. of Fan	2	Transmission Type	Vee Belt									<table border="1"> <tr> <td>5 Material</td> <td></td> </tr> <tr> <td>Air Inlet Louver (Optional)</td> <td>FRP</td> </tr> <tr> <td>Basin</td> <td>FRP</td> </tr> <tr> <td>Bolt & Nuts</td> <td>Electroplated</td> </tr> <tr> <td>Casing Panel</td> <td>FRP</td> </tr> <tr> <td>Distribution Tray</td> <td>FRP</td> </tr> <tr> <td>Eliminator</td> <td>FRP</td> </tr> <tr> <td>Fan Blade</td> <td>Al. Alloy or FRP</td> </tr> <tr> <td>Fan Hub</td> <td>GI + Al. Alloy</td> </tr> <tr> <td>Fan Guard</td> <td>Hot Dip Galv. Steel</td> </tr> <tr> <td>Fan Stack</td> <td>FRP</td> </tr> <tr> <td>Infill</td> <td>PVC</td> </tr> <tr> <td>Infill Support Mesh</td> <td>Hot Dip Galv. Steel</td> </tr> <tr> <td>Ladder</td> <td>Hot Dip Galv. Steel</td> </tr> <tr> <td>Motor Support</td> <td>Hot Dip Galv. Steel</td> </tr> <tr> <td>Strainer</td> <td>SS 304</td> </tr> <tr> <td>Structure</td> <td>Hot Dip Galv. Steel</td> </tr> <tr> <td>Sump Tank</td> <td>FRP</td> </tr> <tr> <td colspan="2">6 Piping</td> </tr> <tr> <td>Inlet (Dia/Qty)</td> <td>ø125mm x 4</td> </tr> <tr> <td>Outlet (Dia/Qty)</td> <td>ø250mm x 1</td> </tr> <tr> <td>Overflow (Dia/Qty)</td> <td>ø80mm x 1</td> </tr> <tr> <td>Drain (Dia/Qty)</td> <td>ø80mm x 1</td> </tr> <tr> <td>Make-up (Dia/Qty)</td> <td>ø50mm x 1</td> </tr> <tr> <td>Manual Make-up (Dia/Qty)</td> <td>ø50mm x 1</td> </tr> <tr> <td>Suction tank</td> <td>1</td> </tr> </table>	5 Material		Air Inlet Louver (Optional)	FRP	Basin	FRP	Bolt & Nuts	Electroplated	Casing Panel	FRP	Distribution Tray	FRP	Eliminator	FRP	Fan Blade	Al. Alloy or FRP	Fan Hub	GI + Al. Alloy	Fan Guard	Hot Dip Galv. Steel	Fan Stack	FRP	Infill	PVC	Infill Support Mesh	Hot Dip Galv. Steel	Ladder	Hot Dip Galv. Steel	Motor Support	Hot Dip Galv. Steel	Strainer	SS 304	Structure	Hot Dip Galv. Steel	Sump Tank	FRP	6 Piping		Inlet (Dia/Qty)	ø125mm x 4	Outlet (Dia/Qty)	ø250mm x 1	Overflow (Dia/Qty)	ø80mm x 1	Drain (Dia/Qty)	ø80mm x 1	Make-up (Dia/Qty)	ø50mm x 1	Manual Make-up (Dia/Qty)	ø50mm x 1	Suction tank	1
1 Design Condition																																																																																																					
Nominal Flow (m ³ /hr)	500.0																																																																																																				
Water Out Temp.	32°C																																																																																																				
Water In Temp.	37°C																																																																																																				
Ambient Wet Bulb Temp.	28°C																																																																																																				
2 Overall Dimension																																																																																																					
Length (mm)	4400																																																																																																				
Width (mm)	5200																																																																																																				
Height (mm)	4430																																																																																																				
Net Weight (kgs)	3330																																																																																																				
Operating Weight (kgs)	7600																																																																																																				
3 Motor																																																																																																					
Type	TEFC																																																																																																				
Volt/Phase/Hz	380/3/50HZ																																																																																																				
Power	10HP 7.5kw																																																																																																				
4 Fan																																																																																																					
Type	Axial																																																																																																				
Diameter (mm)	ø2000																																																																																																				
No. of Fan	2																																																																																																				
Transmission Type	Vee Belt																																																																																																				
5 Material																																																																																																					
Air Inlet Louver (Optional)	FRP																																																																																																				
Basin	FRP																																																																																																				
Bolt & Nuts	Electroplated																																																																																																				
Casing Panel	FRP																																																																																																				
Distribution Tray	FRP																																																																																																				
Eliminator	FRP																																																																																																				
Fan Blade	Al. Alloy or FRP																																																																																																				
Fan Hub	GI + Al. Alloy																																																																																																				
Fan Guard	Hot Dip Galv. Steel																																																																																																				
Fan Stack	FRP																																																																																																				
Infill	PVC																																																																																																				
Infill Support Mesh	Hot Dip Galv. Steel																																																																																																				
Ladder	Hot Dip Galv. Steel																																																																																																				
Motor Support	Hot Dip Galv. Steel																																																																																																				
Strainer	SS 304																																																																																																				
Structure	Hot Dip Galv. Steel																																																																																																				
Sump Tank	FRP																																																																																																				
6 Piping																																																																																																					
Inlet (Dia/Qty)	ø125mm x 4																																																																																																				
Outlet (Dia/Qty)	ø250mm x 1																																																																																																				
Overflow (Dia/Qty)	ø80mm x 1																																																																																																				
Drain (Dia/Qty)	ø80mm x 1																																																																																																				
Make-up (Dia/Qty)	ø50mm x 1																																																																																																				
Manual Make-up (Dia/Qty)	ø50mm x 1																																																																																																				
Suction tank	1																																																																																																				