

WATER MIST FAN

INSTRUCTION MANUAL

(MODEL:HW-26MC02)



OUTDOOR COOLING SYSTEM

Thank you for purchasing HW-26MC02 water mist fan .please read this manual for using it properly and the information below are for your reference.



General Notes

HW-26MC02 is a outdoor cooling system for any place movable where you want, the system is centrifugal force technology instead of high pressure technology, it is no nozzle jammed problem and required no filtration system or nozzles, no complicate pump connection and no requirement of complicate electrical cable, so it is easy to move, use and maintain. Include an oscillating fan head, three fan speeds, adjustable mist volume control, and adjustable pitch design, This kind of system will provide very comfortable water droplets to clear the dust of atmosphere, to drop the temperature $4^{\circ}\text{C} \sim 8^{\circ}\text{C}$ while the water droplets that flash evaporate, and serves about 30~50 square meters area, the surrounding air will be comfortable with clean, fresh and cool. The exciting system is also available in the wall mounted version with same function.

Applications

1. **Cooling:** outdoor restaurants play areas, bus stations, railway stations, waiting areas, hotels, also for work areas, loading docks, zoos, etc.
2. **Suppressing dust:** Remove atmosphere dust, recycling, waste and refuse handling, farming, mining, pollution control, decrease unpleasant odor, etc.
3. **Increasing humidity:** spinning mills, cotton warehouse, park, greenhouse, testing chambers, flour mills, etc.
4. **Agriculture:** poultry farms, mushroom plants, riding arenas, birds and animals, kennels, ensures proper humidity levels and suitable conditions, improves the operations for all kinds of livestock industries.
5. **Special effects of mist:** Gardens, zoos, malls, fairs, movies sets, water features, fountain, used for creative fog effects.

Initial Use

1. Please you read this Instruction Manual prior to use your mist fan.
2. Please you prepare the tools for mist fan assembly base on this Instruction Manual.
3. It is very important to take care of the safety instruction while using.

Specification



- ◇ Fan diameter: 650mm (26 inches)
- ◇ Fan height: adjustable from 1700mm to 2000mm
- ◇ Fan oscillation adjustable: 90 degrees automatically
- ◇ Fan tilt adjustable: 30 degrees
- ◇ Available area: 30-50 square meters
- ◇ Water tank capacity: 4 l liters
- ◇ Continuance water supply: 8 hours
- ◇ Tap water supply: availability
- ◇ Temperatures drop: 4°C - 8°C
- ◇ Total weight without water: 28kgs
- ◇ Dielectric Strength: 1 min at 1500VAC/50-60Hz, current < 5mA
- ◇ Operation Temperature: 10°C - 60°C
- ◇ Operation Humidity: 10% - 85%
- ◇ Working voltage: 100V-120V for 110V and 190V-250V for 220V
- ◇ Manual Control Model: HW-26MC02

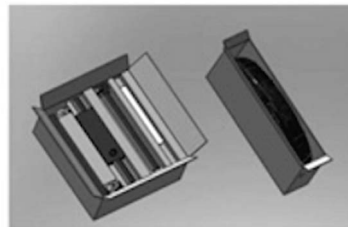
Model	Control Type	Freq. Hz	Volt VAC	Input (Watts)			Speed (RPM)			Airflow (m ³ /h)			Noise (dBA)		
				Low	Mid	high	Low	Mid	high	Low	Mid	high	Low	Mid	high
HW-26MC02	Manual	50/60	100-	165/	192/	260/	1080/	1200/	1400/	9000/	12000/	15000/	53/	59/	65/
			120	150	170	260	1200	1350	1550	12000	14500	16900	59	63	69

Safety Instructions

1. As Instruction Manual described, the installation and operation must comply with local utility standard. Improper use of mist fan may cause fire, electric shock or injury.
2. Don't immerse this system, plug, or cord in water or spray with liquids, don't use during rain, sleet, hail, snow or any other inclement weather conditions.
3. Don't use if the plug or power cord is damaged in any way, don't place mist fan system near an open flame, cooking or heating appliance, open containers of flammable liquids or gases.
4. Don't let the power cord hang over heavy or sharp objects, and don't touch hot surfaces,
5. Don't place foreign objects through the guards into the blades, also don't operate mist fan without guards in place.
6. The stand type mist fan must be grounded, don't hang or mount it on the wall or ceiling.
7. It is necessary to close supervision when the mist fan is used near children.
8. Disconnect the mist fan from outlet socket when the mist fan isn't in use, when moving the system or before clearing the system, remove the plug from the electrical receptacle by pulling on the plug and never yank on power cord.
9. Never wash the system with a garden hose, water may harm motor of system, keep all connections dry and off the ground to reduce the risk of electric shock, don't touch the plug with wet hands.
10. Must use 3-prong grounded extension cord with mist fan, this plug is intended to fit fully in a grounded outlet only, if the plug does not fit fully into the outlet, contact a qualified electrician, don't attempt to defeat or disable this safety feature. Make sure the system voltage and frequency are same as local electrical outlet voltage and frequency.
11. If the system is damaged or malfunctions don't continue to use the system, contact Fengda or Fengda's agent directly.

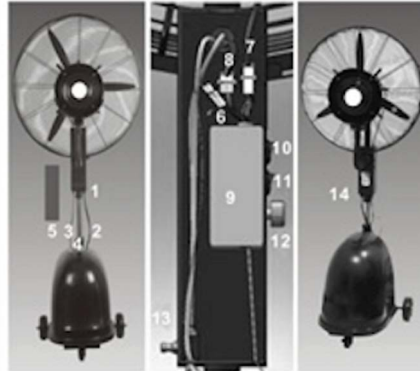
Assembly Instructions

1. Take all parts from the package, there are two packages, finger guard and blade into one package (size: 71.5*71.5*7cm,), others into another package (size: 53*47.5*39,).



<p>2. Base, stand pipe, drawtube and electrical box assembly</p>	
<p>3. Water tank, pump assembly and water pipes connection and electrical power cords and pump electrical power cord connection.</p>	
<p>4. Fan motor, back finger guard and blade assembly, fan motor electrical power cord connection</p>	
<p>5. Fit Misting system to front finger guard</p>	
<p>6. Connect each cable with its corresponding connector (2 pins for the pumps, 3 pins for the fan motor, 4 pins for the spray motor).</p>	

6. Connect pipes and electrical wires.
 - 1) Electrical Power supply plug.
 - 2) Electrical wire of pump.
 - 3) Flow water pipe.
 - 4) Return water pipe.
 - 5) Back cover of control box.
 - 6) 2-pins connector to fan motor.
 - 7) 3-pins connector to mist system.
 - 8) 4-pins connector to pump.
 - 9) Electrical box.
 - 10) Switch of mist system.
 - 11) Switch of fan
 - 12) Activator: stepless adjust fan speed.
 - 13) Penstock: adjust the misting capacity.
 - 14) Close the back cover of control box and tie the pipes and wires with bobbin.



Operation Instructions

1. Roll mist fan onto level surface.
2. Make sure the pump inlet is opened.
3. Fill clear water into tank, minimum level should cover the water pump. Don't operate mist fan without enough water.
4. Turn water adjust to off position and plug into the electrical outlet.
5. Start fan to high speed and check the middle speed and low speed ensure the fan is operating properly.
6. Start misting switch; ensure all components are operating properly.
7. Turn the penstock to adjust misting volume as needed, ensure the return water may return to the tank.



❖ Fan oscillation adjustable
 It is the position of fan oscillation showed in the picture, and change the screw to B is the position of fan un-oscillation.



❖ Fan height adjustable
 Unscrew A and then extend drawtube to adjust the height of mist fan.



Care and Storage

1. Ensure the plug is removed from the electrical outlet before attempting any clearing or maintenance.
2. Clean the water tank regularly with as antibacterial agent.
3. Use only soft moistened cloth to clean the mist fan; don't immerse the mist fan in water.
4. For storage, clean mist fan carefully as instructed and store with plastic cloth cover, store the mist fan in a clear dry place
5. Caution: if you find a problem with the fan, please you don't open the fan motor housing as this may cause injury, damage to the fan and will void your warranty.

Trouble Shooting

❖ Fan not working	<ol style="list-style-type: none"> 1. Make sure the system is plugged into a live socket. 2. Make sure the fan motor electrical cable connection and switch on, otherwise repair or change the fan motor.
❖ Fan not misting	<ol style="list-style-type: none"> 1. Make sure the mist system is working, otherwise repair or change the misting motor. 2. Make sure the water pump is working, otherwise repair or change the pump. 3. Make sure there are enough water covers the pump; otherwise fill enough water into tank. 4. Make sure the flow pipe connection is right as Assembly Instructions and unblocked. 5. Make sure the penstock is opening enough. 6. Make sure inlet of pump is opening, otherwise open the pump inlet.

◇ Fan not oscillate	Check and do as “Fan oscillation adjustable” in the operation instruction table, otherwise repair or change the fan motor.
◇ Water not returned	1. Make sure the connection is right. 2. Make sure the return pipe unblocked.

Warranty

1. The warranty applies to repair or replacement while mist fan is found to be defective in material or workmanship, this warranty does not apply to any damage resulting from commercial, abusive, unreasonable use, and supplemental damage. Defects as a result of normal wear and tear will not be considered manufacturing defects under the warranty. You should read the instruction manual before attempting to use the mist fan.
2. warranty clauses are base on the invoice, so when you apply to repair the mist fan, you should take the mist fan with the original invoice of this mist fan together, this warranty only applies to the original purchaser of this mist fan, any implied warranty of merchantability or fitness for a particular purpose on this mist fan is limited in duration to the duration of the warranty, we aren't liable for incidental or consequential damages of any nature.
3. This warranty applies to repair and replacement if the products is found to be defective in material or workmanship. This warranty does not apply to any damage resulting from commercial , abusive and /or unreasonable use or supplemental damage. Defects as a result of normal wear and tear will not be considered manufacturing defects under this warranty . Read the instruction manual before attempting to use this product. Technical international is not liable for incidental or consequential damages of any nature. Any implied warranty of merchantability or fitness for a particular purpose on this product is limited in duration to the duration of the warranty. This warranty only applies to the original purchaser of this product. Technical international will repair or replace this product if it is found to be defective in material and / or workmanship.