Product Service Brochure

After service

Product free warranty maintenance a year, the lifelong maintenance.
During this perioc, the normal conditions of use case damaged machines are free repair or replacement.

FOSHAN DAHANFENG VENTILATION DECREASE TEMPERATURE EQUIPMENT CO.,LTD

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Foshan Dahanfeng Ventilation Decrease Temperature Equipment Co.,Ltd

Thank you very much for your choice our product, please read this brochure carefully before you use the exiaust fan and keep it for reference.

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Remark: In every chepter has marked symbol is the need to pay attention to the relevant safety rules.

⚠ This symbol any cperations are must be very careful, becaulse may to make the operator harn or damage .Attention! carefull Your safe is at risk.

Introduction

Dear Customs:

Thanks for buying our exhaust fan , rou have been choose one of the best product which can make your green house anl rear poultry or factory with good temperature controlling in the market .

This manual will supply a right way o installment and the maintain and some advise of using , in order that let u knov the quality of our products. We hope that you can read this manual more carefu; some rule should be carried out in order to assure the users'(including installment, assemble ,maintain ,repair and transporter) safty , then you can use our product fo long time .

Please look at this manual as an impo‡ part of the product, keep it well ,so that your can make a reference.

Structural detail

The exhaust fan is constituted by a unify structural as follow:

A.Galvanize sheet outside frame withthe special rivets

B.The shutter will open by automatic vhich is made from galvanize sheet and controlled by UV nylon apiale .

C.The blade with six pieces stainless steel or aluminium

D.Motor is three phases ,frequency isS0HZ/60HZ.Grade of insulation is F, Grade of protection is IP55

E.Run is base on V belt .

F.The air inlet will have safty net .

Parameter list

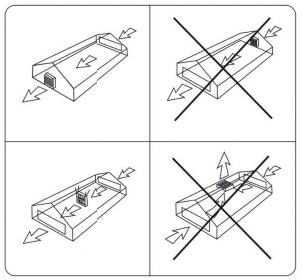
Model	Fan diameter (mm)	Fan speed (r/min)	Airflow volume (m³/h)	Noise (dB)	Power (KW)	Frequency (Hz)	rated voltage (V)	Current (A)	Weight (KG)	Outside diameter (mm)
DEF-1	1270	450	44500	68	1.1	50	380	2.9	70	1380*1380*400
DEF-2	1110	480	37000	65	0.75	50	380	2	60	1225*1225*400
DEF-3	950	500	32000	60	0.55	50	380	1.45	55	1060*1060*400
DEF-4	750	520	28000	55	0.37	50	380	0.97	50	900*900*400
DEF-1-1	1270	450	44500	68	1.1	50	220	5	70	1380*1380*400
DEF-2-2	1110	480	37000	65	0.75	50	220	3.4	60	1225*1225*400
DEF-3-3	950	500	32000	60	0.55	50	220	2.5	55	1060*1060*400
DEF-4-4	750	520	28000	55	0.37	50	220	1.68	50	900*900*400
DEF-81	1270	450	44500	68	1.1	50	380	2.9	70	1380*1380*450
DEF-82	1110	480	37000	65	0.75	50	380	2	60	1225*1225*450
DEF-83	950	500	32000	60	0.55	50	380	1.45	55	1060*1060*450
DEF-84	750	520	28000	55	0.37	50	380	0.97	50	900*900*450
DEF-6	600	1400	18000	70	0.5	50	380	1.31	25	685*685*320
DEF-6	500	1400	7000	68	0.37	50	380	1	21	585*585*320
DEF-7-1	600	1400	18000	70	0.5	50	220	2.3	25	685*685*320
DEF6-1	500	1400	7000	68	0.37	50	220	1.7	21	585*585*320

Using suggestion

The Exhaust fan can be used in the workshop of the factory , green house and rear poultry house.

The fan should be used to exchange the air or make the air circulate ,ca not used as air compression

The fan should be Vertical nstallation.



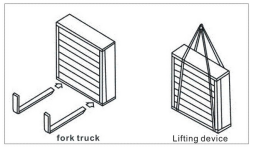
Package and transport

Because of the fan with the **rigidity** metal frame ,then can be no need any package to transport, but if the customers need use carton for packing.

Pay attention: when transport the fan should be more careful in order that not damage the fan or the transporter , when is operation not permitted any person stand close the fan ,if the fan need to be cverlapping should be assure that the upside stable or not .

It is better that not use the hand to carry the fan ,because of there is no handle or some sling on the fan ,but if need to be carried by hand ,pls assure that if have enough stand in order to safty ,the weightof fan has been show on the parameter list which has been stick on the fan .

The right way of carrying like photos shcwed as follow:



General installation process

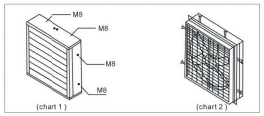
Pay attention: the fan should be installed by the specialized persons

Most of the fan is transport as assemble , so no need the assemble process ,but if need ,then we will shew to you .

If the fan is installed lower than 25 meters then should install the safe net .(suggest should install higher than 2.3 meters)

Installment of exhaust fan

You can use M8 bolt when the wall is metal , through the frame of fan then make the fan stable is ok . (chart 1)



(chart 1) (chart 2)

If is brick wall ,then should make a metal frame which at least 60mm width,5mm thickness ,around the fan should weld 8 pieces stators which look like all ,fix this frame on the wall ,after the Cement setting ,then fix the fan inside the frame with M8 bolt , pay attention :assure that two side of the fan can be moved in order tor maintain .

We should assure that metal frame will not add any pressure after fixing the fan inside it ,inorder to make sure that the shutter can be run as normal . **(chart 2)**

Using Guide

Important: Care for the fan working independent,rtart/stop control by centrial control system. (can be order)

Fan only use for ventilation and exchunge air. Can not use to express air system.

Fan can installed 14 years old peopleworking place. In order to make sure the small people's safety, please do not remove the protection system.

Because all parts can be protected by metal body and protection system . Even happen break (such as blade, belt) . it will not hurl person.

In legal please where need special safety system. we can also do it. Because fan already have wholes for that.

Make sure there nothing block the ai where fan's wind come out. Take care the wind taken out from indoor. Protably have some harm air.

Fan user should install fan accordingto the air low.

Cleaning

Notice! Installation must be done by professor. In order to make sure fan working well. Advise to clean regular. when cleaning, make sure the power is off. The main switch must be on status and locked. Do not allow to use water clean motor cover. if the fan working in wet and dirty environment. motor need to be clean often. Because the motor can not radiate well. Use brush to clean it is enough. Keep stutter - net and blade clean to force. you can use brush or cleaner. when usig press cleaner. do not put water or vapour to motor or blade.

Maintain

Notice! Must do by techician who have maintain certificate.

In order to reduce fault. need to do some maintain after installed.

The maintain operation irstructions are very important when fan working After oil. no need special maintain during using. Motor too.

Shutter starting system's nylon connecting also no need oil ,all the steps should be as following:

Cut of f power,set the main switch is on starting , try to lock it.

Before u take off the protection equipment, belt and blade must be stop.

If the fan need to hang os high place, it must have hand shelf/ladder.

Adjust V belt's electricity

Belt's electricity must be check after working 2-3days, After one year one time.

Make sure the main switch is off and locked.

When the fan no working, wring off the clamp,take off the protection net.

Use hand to check the electricity between the two wheels, press in 15-20MM is normal, If is too tight , bearing will be scuff if it"s too loose,Belt will be drop out.

When you need to adjus: it, use NO. 13 spanner to loose screw, then move the spanner to low position, check belt is ok or not.

Use NO.13 spanner to screw down.

Cover and screw down protection net again.

2.Change V MODEL belt

1) Ensure the power supply main switch is closed

2)When the fan stop completely, release the plastic clip, take off inlet side protection net.

3) Use NO.3 wrench to release the screws, remove the motor, release the belt.

4)Go across each blade ,remove the belt.

5)change the new belt, insert each blde.

6)Adjust the belt same as introduce above.

7) Tighten the screws

8)Install the protection net.

3.Change the motor

1) Ensure the power supply main switch is closed

2)When the fan stop completely, release the plastic clip, take off inlet side protection net.

3) Release the screws, remove the motor, release the belt.

4)Release the motor and fix panel from the motor support plate, take out. (picture 4) This operation need to use protection gloves.

5)Release the screws, change the motor on the fix panel.

6)Put the motor back and should sit on the support plate. This operation need to use protection gloves

7) Adjust the belt same as introduce above.

8)Install the protection net.

9)fix the safe net.

(chart 4)

4.change the shutter

1)Ensure the power supply nain switch is closed

2)Take open both sides covrr(chart 5)

3)Remove the R button, take the connection line away.

4)Pull out of plastic lever, light pressure lever, connection front end.

5)Change the blade and install other part.

6)Install both side cover.

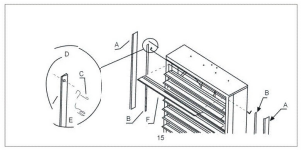


chart 5

Fault and solution

Important

In this part we list the possible causes of the fault and the method of resolution

phenomenon	reason	solution
Fan can't move	No power supply Wiring connect line Blown fuse Thermal protection excitation	Chack the supply line Connection line again Change reset
Fan can move but no Ventilation effect	Reversal Belt is too loose Protection net is dirty	Change Phase sequence Adjust Clean
Blade can't open completely	Fan air inlet side, refingerntion tablet surface is too dirty Protection net each blade is dirty Shutter switel device error	Clean and expand air inlet side Clean Take the fan and reset