

DUO LANG

Evaporative Air Conditioner



DL-C3500



DL-4500



DL-6000

Movable Air Cooler

DL-C3500

Brand	DUOLANG	Packing size	20.1x 15.0 x 37.0 inches
Product name	Evaporative cooling fan	Water consumption	0.8-1.1 gal/h
Model	DL-C3500	Water storage	7.9 Gallons
Voltage / frequency	220V/50Hz(110V/60Hz)	Applicable area	322.9-538.2 sq. ft.
Weight	29.8lbs	Wind type selection	Natural , sleep , standard
Noise	≤55dB (A)	Timing selection	0.5-7.5Hour



DL-4500

Brand	DUOLANG	Packing size	26.0x 18.1 x 36.2 inches
Product name	Evaporative cooling fan	Water consumption	0.8-1.1 gal/h
Model	DL-4500	Water storage	10.6 Gallons
Voltage / frequency	220V/50Hz(110V/60Hz)	Applicable area	430.6-538.2 sq. ft.
Weight	47.4lbs	Wind type selection	Natural , sleep , standard
Noise	≤55dB (A)	Timing selection	0.5-7.5Hour



DL-6000

Brand	DUOLANG	Packing size	26.0x 18.1 x 46.0 inches
Product name	Evaporative cooling fan	Water consumption	0.8-1.1 gal/h
Model	DL-6000	Water storage	13.2 Gallons
Voltage / frequency	220V/50Hz(110V/60Hz)	Applicable area	538.2-645.8sq. ft.
Weight	50.7lbs	Wind type selection	Natural , sleep , standard
Noise	≤55dB (A)	Timing selection	0.5-7.5Hour



Machine Installation

Trundle installation:

Note: the machine is configured with four 2.5" trundles, namely two trundles with brake and two trundles without brake. Before use, please take out the trundles and then use screw to fix each trundle at the bottom of the water tank according to Figure 1. The trundles with brake shall be placed at the same side while the trundles without brake shall be placed at the other side.

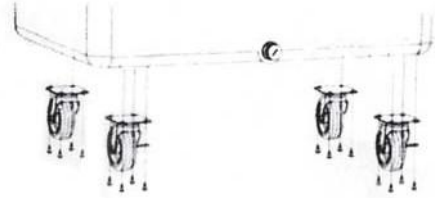
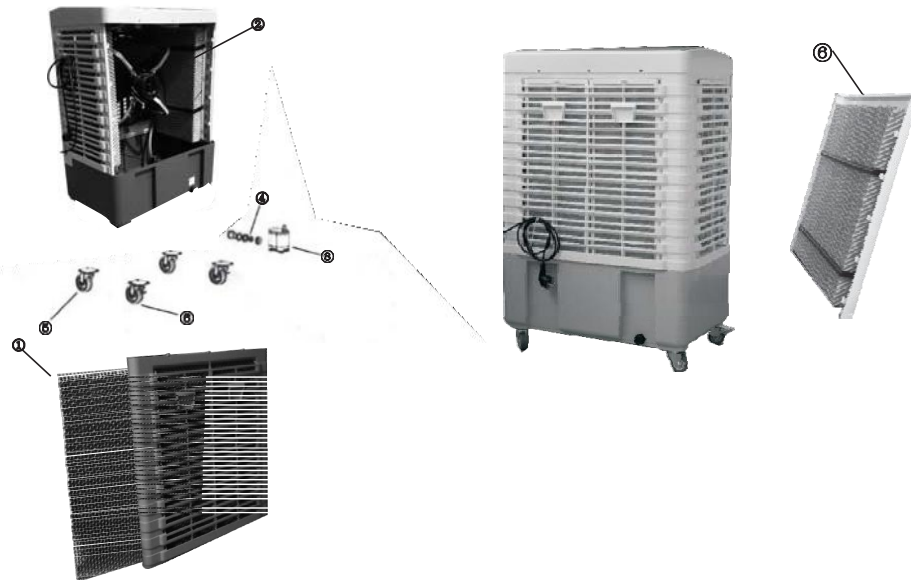


Figure 1

Replaceable Parts

No. Parts Name

1. Rear wet tank	001
2. Side wet curtain	002
3. Water Pump	003
4. Drainage pipe assembly parts	004
5. trundle (without brake)	005
6. trundle (with brake)	006



Operation

Water injection:

As shown in Figure 2, strongly press the upper part of the water injection port to open the water injection door, then use water pipe or watering can to add a certain amount of water, then close the water injection door, and finally strongly press to close the water injection door.

The machine is provided with external water pipe, so it is only necessary to twist the water pipe connector of the external water supply into the external water screw socket of the machine. Afterwards, the float valve inside the machine will automatically open or close according to the water level.

(Note: automatic water injection model is an optional model.)

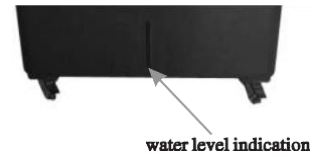


Figure 2 water level indication

Water level display

There is water level display in front plate of this machine.

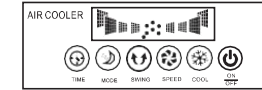


Figure 3

machine operation:

ON/OFF key: after the power supply is connected, as shown in Figure 3, the cooling fan is under standby state and meanwhile the buzzer sends "Bi" prompt tone; press this key to start the cooling fan at intermediate speed and then make it running at low speed; press this key again to turn off the cooling fan.

Fan speed key: continuously press this key to switch the fan speed among low speed-intermediate speed-high speed and meanwhile provide corresponding indicator light display.

Vane-swinging key: press this key to adjust the left-right swinging direction and meanwhile turn on the corresponding left-right swinging indicator light; press this key again to cancel the function.

machine operation:

As shown in Figure 4, the machine has three rotary knobs, wherein the first one is fan speed control knob, the second one is water pump control knob and the third one is automatic vane-swinging control knob; the fan speed knob has three grades: OFF/I-II-III: low speed, intermediate speed and high speed; the fan can be turned off when the knob is placed at "OFF".

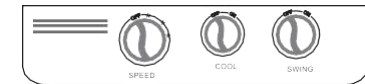


Figure 4

Timing key: under operating state, press this key to make the cooling fan enter timing state, wherein the timing interval is 0.5h and the timing range is 7.5h, namely: the preset time is increased by 0.5h for each press and can be maximally increased to 7.5h; when the preset time is as 7.5h, press this key again to cancel the timing function.

Refrigeration key: press this key to start air cooling function; if ice water is added in the water tank at this moment, then the temperature at the air outlet can be reduced by 5~8°C after several minutes; press this key again to cancel this function.

Remote controller: two AAA batteries shall be used for the remote controller, new and old batteries shall not be mixed for use. For the remote controller that will not be used for a long time, the batteries shall be taken out.

Maintenance and Repair

⚠ Warning: before any maintenance, it is necessary to pull out the plug of the machine.

Rear wet curtain plate disassembling and assembling

For disassembling the rear wet curtain plate, as shown in Figure 5, it is necessary to unscrew the three screws at the upper part of the stone plate, then lift therear wet curtain plate till its bottom is out of the watertank, and then pull the rear wet curtain plate outward still it is completely loosened.



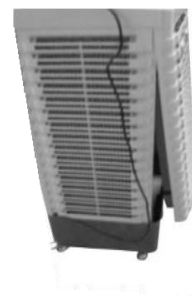
Figure 5

Water discharge (emptying machine):

Before water discharge, as shown in Figure 6, it is only necessary to unscrew the water drainage rotary knob at the back of the water tank, then slightly incline the machine body to completely discharge the water in the water tank. The water shall be periodically drained in order to keep good water quality. Meanwhile, it is commended to weekly clean the machine. For long-term nonuse, please inject water and then discharge it.



Figure 6



Wet curtain cleaning/replacement:

It is necessary to clean the filter screen when cleaning or replacing as shown in Figure 7 wet curtain, or quarterly clean the filter screen for two times; during cleaning process, it is necessary to add detergent and slightly scrub to completely clean the filter screen.



Figure 7

Read and preserve the manual.

Note: the machine may generate some peculiar smells during early use, and this is a normal phenomenon, and such peculiar smells will disappear after several hours.

Evaporative refrigeration:

Evaporative refrigeration is a greatly economical and practical refrigeration mode. In detail, the air could be cooled when passing the evaporating medium, and the cooled fresh air can make the body feel cool when contacting skins. When the air cooler is used indoors, the windows must be opened for ventilation, because the indoor environment temperature will be increased and the refrigeration effect of the machine will be also influenced when the machine is used in a confined space without ventilating opening.

The optimal using mode is as follows: before ventilation by windows, doors, etc., it is necessary to place the machine at the ventilating passageway in order to absorb fresh air and meanwhile keep smooth air motion.

⚠ Safety rules:

1. Before any maintenance, it is necessary to ensure that the machine is under "OFF" state (disconnected to power supply) and the power socket is turned off.
2. In order to avoid electric shock risk, please correctly connect the grounding receptacle.
3. In order to avoid electric shock risk, please adopt the grounding device with automatic protection against wrong ground connection.
4. Do not allow the persons (including children) without perfect disposing capacity for body, perception and mentality to contact and operate the machine, except that these persons are under supervision of the persons with perfect disposing capacity or know how to operate the machine; do not allow children to play electric transducer.

⚠ Warning: In order to reduce the risk of electric shock or fire disaster, please do not use "solidified fan speed controller" to operate the machine.

[Multiple filtering] [Purifying air] [Mute design] [unusual]

► Environmental protection / energy saving / low carbon / utility

Environmental protection cooling fan with environmental protection, utility and low power consumption advantages, in recent years has been favored by more and more enterprises, "green light" On the basis of the original products with a bit more quality and technology to enhance the promotion of similar products in the best, not only improve the product The performance of the product is more open to the field of application.

► Enterprise honor qualifications

The company's energy saving and environmental protection, through China 3C certification, access to a number of national patents and provincial industrial new product identification.

► Harmonious and healthy and beautiful

"Green, energy saving, environmental protection, high efficiency" has always been our philosophy to achieve social, environmental, and stakeholder harmony Has been our relentless pursuit of the future, we will continue to promote the development of the evaporation refrigeration industry, to build a harmonious, healthy, beautiful life.



We hope you will know the following when using the unit

situation	Reason	How to do
power light not flashed	1: no power 2: maincontrol panel problem 3: fused 4: LCD panel problem	1: get the power supply 2: change the main control panel 3: change the fuse 4: change the LCD panel
Out of controle	1: obstruction for the power source 2: obstruction for surrounding 3: LCD panel problem	1: restart the unit 2: clean and away from obstruction 3: change the LCD panel
Not wind or wind is too small	1: fan blocked 2: water curtain or filter plugged up 3: fan out of shape 4: maincontrol panel problem	1: check and tight 2: change and clean 3: change the fan 4: change the main control panel
Motor nortin control	1: maincontrol panel problem 2: LCD panel problem	1: change the main control panel 2: change the LCD panel
Abnormal noise	1: varia inside the unit 2: fan loose 3: electric motor error	1: take off filter to get varia out 2: tight the fan 3: change a motor

Ramarks: all the above only for advice, please contact our Distributor if help is needed.