

HCEM · 鸿川医疗科技
HONGCHUAN MEDICAL TECHNOLOGY CO.,LTD



Pond And Lake Aeration Systems



Company Introduction

Zhejiang Hongchuan Medical Technology Co.Ltd was first established in 2010 ,which is a large-scale enterprise group in China ,we are specilizing in R&D and manufacturing various kinds of Air Compressor Vacuum Pump ,and have the technology patent for all the machines accept the OEM and ODM .

We have 6 professional engineers with more than 10 years experience and 20 sales .We starting from die-casting of raw materials high-speed punch of motor, hardware processing, automatic embedding of motor as well as automatic assembly line of products all core technologies are strictly in coherewith the standardized operation, testing to create an annual capacity of 800,000 sets of pumps manufacturer

Our products are also exported to all over the country. We also welcome OEM and ODM orders. Whether select a current product from our catalog or seek engineering assistance for your application you can talk to our customer service center about your sourcing requirements.

We have had a reliable reputation among our customers because of our professional services, quality products and competitive prices. We warmly welcome customers from at home and abroad to cooperate with us for common success.



YOUR POND NEED MORE OXYGEN

Healthy ecosystem originate from good water quality



muddy water?



Algae Growth?



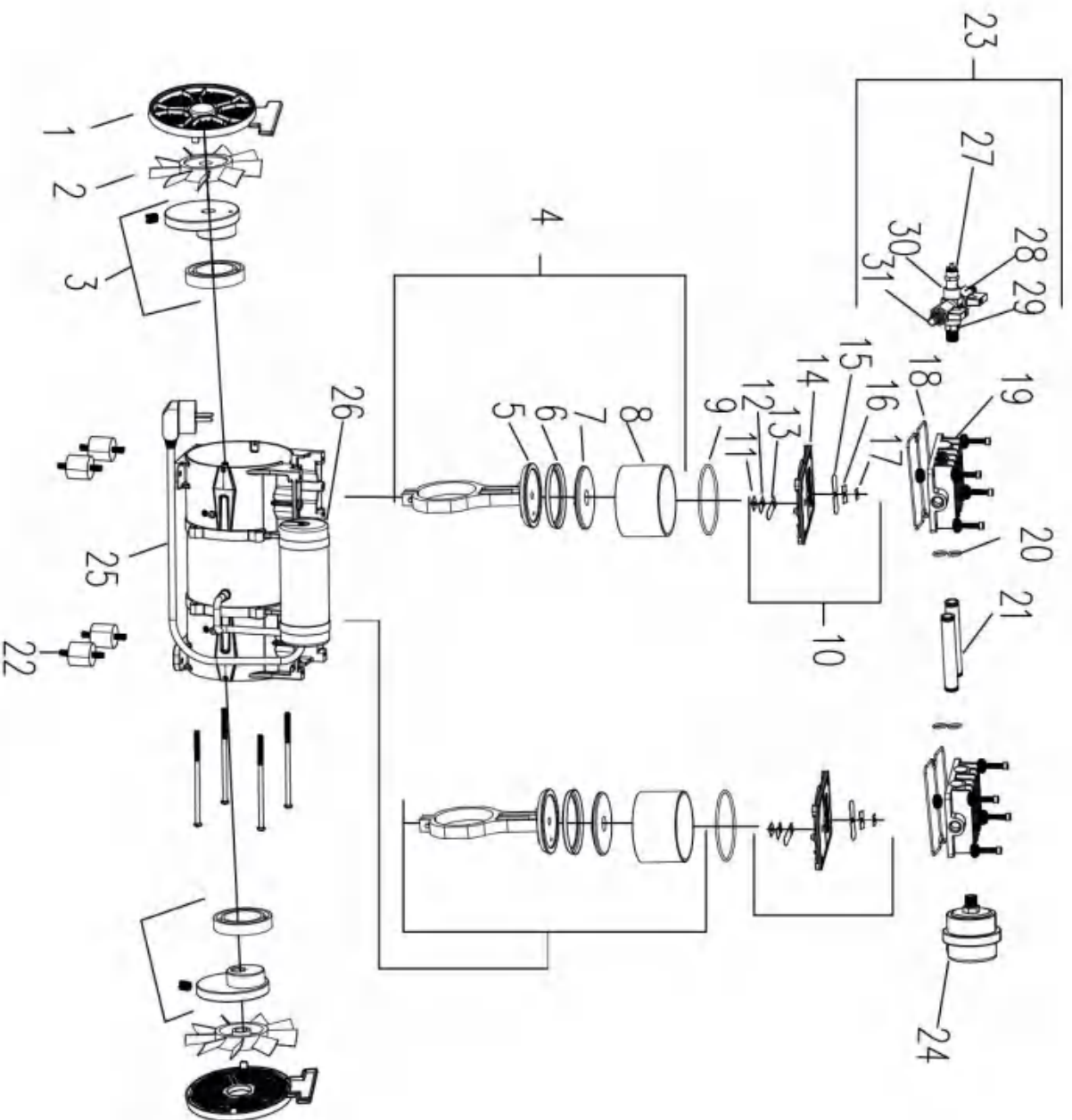
Fish Suffocate

Air Volume Regulating Valve

Adapt to different weather & seasons



No	DESCRIPTION	Q'TY
1	SIDE COVER	2
2	LEFT FAN	2
3	ECC.&BEARING ASS'Y	2
4	CONNECTING ROD ASS'Y	2
5	CONNECT ROD	2
6	PISTON RING	2
7	FASTEN PLATE	2
8	CYLINDER	2
9	CYLINDER SEAL RING	2
10	VALVE PLATE ASSEMBLY	2
11	METAL CUSHION	2
12	LIMITING PLSTE	2
13	INTAKE VALVE	2
14	VALVE PLATE	2
15	EXHAUST VALVE	2
16	LIMITING PLSTE	2
17	SQUARE WASHER	2
18	O-RING GASKET-HEAD	2
19	CYLINDER COVER	2
20	"O" SEAL RING	4
21	CONNECT PIPE	2
22	REDUCE VIBRATION PILLARS	4
23	AIR CIRCUIT ASSEMBLY	1
24	SILENCER	1
25	POWER LINE	1
26	CAPACITOR BOX	1
27	PRESSURE RELIEF VALVE	1
28	BALL VALVE	2
29	NIPPLE	1
30	FOUR WAY INTERNAL THREAD ADAPTER	1
31	PAGODA JOINT	2



AC oil free aeration compressor



Technical Specification		
Model Number	HC100A1-30/2	HC100B1-30/2
Head Configuration	Pressure parallel flow	Pressure parallel flow
Voltage	220V/50Hz/1	110V/60Hz/1
Current at rated pressure	1.05 A	2.1 A
Power at rated pressure	≤230W	≤230W
Speed at rated pressure	1400 rpm	1700 rpm
Dimension	198*96*146 mm	198*96*146 mm
Net Weight	4.3 kg	4.3 kg
Operating ambient temperature	-5 to 40°C	-5 to 40°C
Thermal protection	145±5°C	145±5°C
Motor insulation class	F	F
Diffuser quantity	1 diffuser	1 diffuser
Max pond size	0.5 acer	0.5 acer
Max diffuser depth	65'	65'
Capacitor value	10μF	15μF

COMPLETE AERATION SYSTEM



COMPLETELY SAFE:

There is no electricity in the water, which means that it is completely safe to fish, pets, or humans.

SUPERIOR QUALITY:

The aerator is extremely durable, and can operate in any weather conditions.

AC oil free aeration compressor



Technical Specification

Model Number	HC280A1-70/2	HC280B1-70/2
Head Configuration	Pressure parallel flow	Pressure parallel flow
Voltage	220V/50Hz/1	110V/60Hz/1
Current at rated pressure	1.68 A	3.36 A
Power at rated pressure	≤370W	≤370W
Speed at rated pressure	1400 rpm	1700 rpm
Dimension	223*100*160mm	223*100*160mm
Net Weight	6.0kg	6.0kg
Operating ambient temperature	-5 to 40°C	-5 to 40°C
Thermal protection	145±5°C	145±5°C
Motor insulation class	F	F
Diffuser quantity	2 diffusers	2 diffusers
Max pond size	1 acer	1 acer
Max diffuser depth	65'	65'
Capacitor value	10μF	25μF

COMPLETE AERATION SYSTEM



COMPLETELY SAFE:

There is no electricity in the water, which means that it is completely safe to fish, pets, or humans.

SUPERIOR QUALITY:

The aerator is extremely durable, and can operate in any weather conditions.

AC oil free aeration compressor



Technical Specification

Model Number	HC480A1-86/2	HC480B1-86/2
Head Configuration	Pressure parallel flow	Pressure parallel flow
Voltage	220V/50Hz/1	110V/60Hz/1
Current at rated pressure	2.27 A	4.54 A
Power at rated pressure	≤500W	≤500W
Speed at rated pressure	1400 rpm	1700 rpm
Dimension	276*133*180mm	276*133*180mm
Net Weight	10 kg	10 kg
Operating ambient temperature	-5 to 40°C	-5 to 40°C
Thermal protection	145±5°C	145±5°C
Motor insulation class	F	F
Diffuser quantity	4 diffusers	4 diffusers
Max pond size	2 acers	2 acers
Max diffuser depth	65'	65'
Capacitor value	20μF	60μF

COMPLETE AERATION SYSTEM

COMPLETELY SAFE:

There is no electricity in the water, which means that it is completely safe to fish, pets, or humans.



SUPERIOR QUALITY:

The aerator is extremely durable, and can operate in any weather conditions.

AC oil free aeration compressor



Technical Specification

Model Number	HC550A1-86/2	HC550B1-86/2
Head Configuration	Pressure parallel flow	Pressure parallel flow
Voltage	220V/50Hz/1	110V/60Hz/1
Current at rated pressure	2.27 A	4.54 A
Power at rated pressure	≤500W	≤500W
Speed at rated pressure	1400 rpm	1700 rpm
Dimension	275*130*189mm	275*130*189mm
Net Weight	8.5kg	8.5kg
Operating ambient temperature	-5 to 40°C	-5 to 40°C
Thermal protection	145±5°C	145±5°C
Motor insulation class	F	F
Diffuser quantity	4 diffusers	4 diffusers
Max pond size	2 acers	2 acers
Max diffuser depth	65'	65'
Capacitor value	12.5μF	45μF

COMPLETE AERATION SYSTEM



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SUPERIOR QUALITY:

The aerator is extremely durable, and can operate in any weather conditions.

AC oil free aeration compressor



Technical Specification

Model Number	HC580A1-130/2	HC580B1-130/2
Head Configuration	Pressure parallel flow	Pressure parallel flow
Voltage	220V/50Hz/1	110V/60Hz/1
Current at rated pressure	2.73 A	5.45 A
Power at rated pressure	≤600W	≤600W
Speed at rated pressure	1400 rpm	1700 rpm
Dimension	276*133*202mm	276*133*202mm
Net Weight	10.8kg	10.8kg
Operating ambient temperature	-5 to 40°C	-5 to 40°C
Thermal protection	145±5°C	145±5°C
Motor insulation class	F	F
Diffuser quantity	6 diffusers	6 diffusers
Max pond size	3 acers	3 acers
Max diffuser depth	65'	65'
Capacitor value	20μF	60μF

COMPLETE AERATION SYSTEM

COMPLETELY SAFE:

There is no electricity in the water, which means that it is completely safe to fish, pets, or humans.



SUPERIOR QUALITY:

The aerator is extremely durable, and can operate in any weather conditions.

AC oil free aeration compressor



Technical Specification		
Model Number	HC680A1-130/2	HC680B1-130/2
Head Configuration	Pressure parallel flow	Pressure parallel flow
Voltage	220V/50Hz/1	110V/60Hz/1
Current at rated pressure	2.73 A	5.45 A
Power at rated pressure	≤600W	≤600W
Speed at rated pressure	1400 rpm	1700 rpm
Dimension	275*130*206mm	275*130*206mm
Net Weight	9.6kg	9.6kg
Operating ambient temperature	-5 to 40°C	-5 to 40°C
Thermal protection	145 ± 5°C	145 ± 5°C
Motor insulation class	F	F
Diffuser quantity	6 diffusers	6 diffusers
Max pond size	3 acers	3 acers
Max diffuser depth	65'	65'
Capacitor value	15μF	60μF

COMPLETE AERATION SYSTEM



COMPLETELY SAFE:
There is no electricity in the water, which means that it is completely **safe to fish, pets, or humans.**

SUPERIOR QUALITY:
The aerator is extremely durable, and can **operate in any weather conditions.**

AC oil free aeration compressor



Technical Specification

Model Number	HC1500A1-200/2	HC1500B1-200/2
Head Configuration	Pressure parallel flow	Pressure parallel flow
Voltage	220V/50Hz/1	110V/60Hz/1
Current at rated pressure	5.0A	10.0A
Power at rated pressure	≤1100W	≤1100W
Speed at rated pressure	1400 rpm	1700 rpm
Dimension	330*167*278mm	330*167*278mm
Net Weight	17.5kg	17.5kg
Operating ambient temperature	-5 to 40°C	-5 to 40°C
Thermal protection	145±5°C	145±5°C
Motor insulation class	F	F
Diffuser quantity	10 diffusers	10 diffusers
Max pond size	5 acers	5 acers
Max diffuser depth	65'	65'
Capacitor value	35μF	120μF

COMPLETE AERATION SYSTEM



COMPLETELY SAFE:
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which means that it is completely
safe to fish, pets, or humans.

SUPERIOR QUALITY:
The aerator is extremely durable,
and can **operate in any**
weather conditions.

AC oil free aeration compressor



Technical Specification

Model Number	HC680A1-130/2-CAB(X)	HC680B1-130/2-CAB(X)
Head Configuration	Pressure parallel flow	Pressure parallel flow
Voltage	220V/50Hz/1	110V/60Hz/1
Current at rated pressure	2.73 A	5.45 A
Power at rated pressure	≤600W	≤600W
Speed at rated pressure	1400 rpm	1700 rpm
Dimension	285*165*252mm	285*165*252mm
Net Weight	16.2kg	16.2kg
Operating ambient temperature	-5 to 40°C	-5 to 40°C
Thermal protection	145±5°C	145±5°C
Motor insulation class	F	F
Diffuser quantity	6 diffusers	6 diffusers
Max pond size	3 acers	3 acers
Max diffuser depth	65'	65'
Capacitor value	15μF	60μF

COMPLETE AERATION SYSTEM

COMPLETELY SAFE:
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SUPERIOR QUALITY:
The aerator is extremely durable, and can operate in any weather conditions.

AC oil free aeration compressor



Technical Specification		
Model Number	HC480A1-86/2-CAB	HC480B1-86/2-CAB
Head Configuration	Pressure parallel flow	Pressure parallel flow
Voltage	220V/50Hz/1	110V/60Hz/1
Current at rated pressure	2.27 A	4.54 A
Power at rated pressure	≤500W	≤500W
Speed at rated pressure	1400 rpm	1700 rpm
Dimension	477*305*620mm	477*305*620mm
Net Weight	28.28kg	28.28kg
Operating ambient temperature	-5 to 40°C	-5 to 40°C
Thermal protection	145±5°C	145±5°C
Motor insulation class	F	F
Diffuser quantity	4 diffusers	4 diffusers
Max pond size	2 acers	2 acers
Max diffuser depth	65'	65'
Capacitor value	20μF	60μF

COMPLETE AERATION SYSTEM

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SUPERIOR QUALITY:
The aerator is extremely durable, and can operate in any weather conditions.

AC oil free aeration compressor



Technical Specification

Model Number	HC550A1-86/2-CAB	HC550B1-86/2-CAB
Head Configuration	Pressure parallel flow	Pressure parallel flow
Voltage	220V/50Hz/1	110V/60Hz/1
Current at rated pressure	2.27 A	4.54 A
Power at rated pressure	≤500W	≤500W
Speed at rated pressure	1400 rpm	1700 rpm
Dimension	477*305*620mm	477*305*620mm
Net Weight	26.78kg	26.78kg
Operating ambient temperature	-5 to 40°C	-5 to 40°C
Thermal protection	145±5°C	145±5°C
Motor insulation class	F	F
Diffuser quantity	4 diffusers	4 diffusers
Max pond size	2 acers	2 acers
Max diffuser depth	65'	65'
Capacitor value	20μF	60μF

COMPLETE AERATION SYSTEM

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SUPERIOR QUALITY:
The aerator is extremely durable, and can operate in any weather conditions.

AC oil free aeration compressor



Technical Specification

Model Number	HC580A1-130/2-CAB	HC580B1-130/2-CAB
Head Configuration	Pressure parallel flow	Pressure parallel flow
Voltage	220V/50Hz/1	110V/60Hz/1
Current at rated pressure	2.73 A	5.45 A
Power at rated pressure	≤600W	≤600W
Speed at rated pressure	1400 rpm	1700 rpm
Dimension	477*305*620mm	477*305*620mm
Net Weight	30kg	30kg
Operating ambient temperature	-5 to 40°C	-5 to 40°C
Thermal protection	145±5°C	145±5°C
Motor insulation class	F	F
Diffuser quantity	6 diffusers	6 diffusers
Max pond size	3 acers	3 acers
Max diffuser depth	65'	65'
Capacitor value	15μF	60μF

COMPLETE AERATION SYSTEM

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SUPERIOR QUALITY:
The aerator is extremely durable, and can operate in any weather conditions.

AC oil free aeration compressor



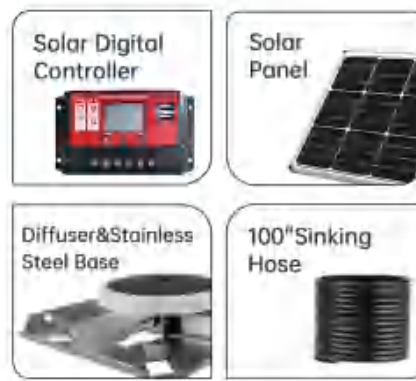
Technical Specification		
Model Number	HC680A1-130/2-CAB	HC680B1-130/2-CAB
Head Configuration	Pressure parallel flow	Pressure parallel flow
Voltage	220V/50Hz/1	110V/60Hz/1
Current at rated pressure	2.73 A	5.45 A
Power at rated pressure	≤600W	≤600W
Speed at rated pressure	1400 rpm	1700 rpm
Dimension	477*305*620mm	477*305*620mm
Net Weight	27.81kg	27.81kg
Operating ambient temperature	-5 to 40°C	-5 to 40°C
Thermal protection	145±5°C	145±5°C
Motor insulation class	F	F
Diffuser quantity	6 diffusers	6 diffusers
Max pond size	3 acers	3 acers
Max diffuser depth	65'	65'
Capacitor value	15μF	60μF

COMPLETE AERATION SYSTEM

COMPLETELY SAFE:
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SUPERIOR QUALITY:
The aerator is extremely durable, and can operate in any weather conditions.

DC oil free aeration compressor



Technical Specification

Model Number	HC100D1-30/2
Head Configuration	Pressure parallel flow
Voltage	DC24V
Current at rated pressure	6.25 A
Power at rated pressure	≤150W
Speed at rated pressure	1700 rpm
Dimension	176*95*147mm
Net Weight	3.2 kg
Operating ambient temperature	-5 to 40°C
Thermal protection	145±5°C
Motor insulation class	F
Diffuser quantity	1 diffuser
Max pond size	0.5 acer
Max diffuser depth	65'

COMPLETE AERATION SYSTEM

COMPLETELY SAFE:

There is no electricity in the water, which means that it is completely **safe to fish, pets, or humans.**



SUPERIOR QUALITY:

The aerator is extremely durable, and can **operate in any weather conditions.**

DC oil free aeration compressor



Technical Specification

Model Number	HC280D1-70/2
Head Configuration	Pressure parallel flow
Voltage	DC24V
Current at rated pressure	14.5 A
Power at rated pressure	≤350W
Speed at rated pressure	1700 rpm
Dimension	245*104*167mm
Net Weight	6.0 kg
Operating ambient temperature	-5 to 40°C
Thermal protection	145±5°C
Motor insulation class	F
Diffuser quantity	2 diffusers
Max pond size	1 acer
Max diffuser depth	65'

COMPLETE AERATION SYSTEM



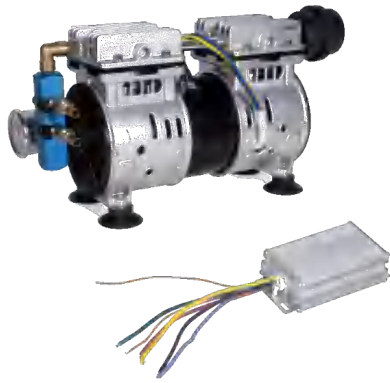
COMPLETELY SAFE:

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SUPERIOR QUALITY:

The aerator is extremely durable, and can operate in any weather conditions.

DC oil free aeration compressor



Technical Specification

Model Number	HC480D1-86/2
Head Configuration	Pressure parallel flow
Voltage	DC24V
Current at rated pressure	20.8 A
Power at rated pressure	≤500W
Speed at rated pressure	1700 rpm
Dimension	273*135*192mm
Net Weight	9.95 kg
Operating ambient temperature	-5 to 40°C
Thermal protection	145±5°C
Motor insulation class	F
Diffuser quantity	4 diffusers
Max pond size	2 acers
Max diffuser depth	65'

COMPLETE AERATION SYSTEM



DC oil free aeration compressor



Technical Specification

Model Number	HC580D1-130/2
Head Configuration	Pressure parallel flow
Voltage	DC24V
Current at rated pressure	25 A
Power at rated pressure	≤600W
Speed at rated pressure	1700 rpm
Dimension	276*133*202mm
Net Weight	10.5 kg
Operating ambient temperature	-5 to 40°C
Thermal protection	145±5°C
Motor insulation class	F
Diffuser quantity	6 diffusers
Max pond size	3 acers
Max diffuser depth	65'

COMPLETE AERATION SYSTEM



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SUPERIOR QUALITY:

The aerator is extremely durable, and can operate in any weather conditions.

DC oil free aeration compressor



Technical Specification

Model Number	HC100D1-30/2-CAB
Head Configuration	Pressure parallel flow
Voltage	DC24V
Current at rated pressure	6.25 A
Power at rated pressure	≤150W
Speed at rated pressure	1700 rpm
Dimension	477*305*620mm
Net Weight	22kg
Operating ambient temperature	-5 to 40°C
Thermal protection	145±5°C
Motor insulation class	F
Diffuser quantity	1 diffuser
Max pond size	0.5 acer
Max diffuser depth	65'

COMPLETE AERATION SYSTEM



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SUPERIOR QUALITY:

The aerator is extremely durable, and can operate in any weather conditions.

DC oil free aeration compressor



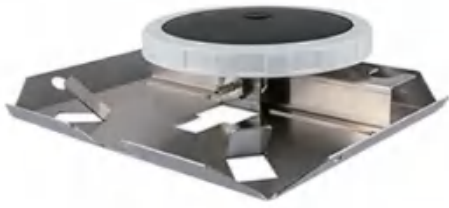
Technical Specification

Model Number	HC580D1-130/2-CAB
Head Configuration	Pressure parallel flow
Voltage	DC24V
Current at rated pressure	25 A
Power at rated pressure	≤600W
Speed at rated pressure	1700 rpm
Dimension	477*305*620mm
Net Weight	28.5kg
Operating ambient temperature	-5 to 40°C
Thermal protection	145±5°C
Motor insulation class	F
Diffuser quantity	6 diffusers
Max pond size	3 acers
Max diffuser depth	65'

COMPLETE AERATION SYSTEM



Accessories



Stainless steel base and diffuser

Solar controller



Sink hose

Rubber feet

Air filter

Controller

Latch



Solar panel

Elbow

Explosion-proof capacitor

Ball valve and fitting



Cabinet

Safety valve

Pressure gage

Plug

HCEM·鸿川医疗科技
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web



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