

HCEM · 鸿川动力科技
HONGCHUAN POWER TECHNOLOGY CO.,LTD



Pond And Lake Aeration Systems





About Us

Zhejiang Hongchuan Power Technology Co., Ltd was first established in 2010, which is a large-scale enterprise group, specializing in R&D and manufacturing various kinds of air compressors and vacuum pumps. We have 20+ engineers with more than 10 years experience, from the structural design, appearance design and mold development all can be done by our own R&D team.

Our products mainly serve industries such as medical equipment, dental equipment, robotic arms, automation equipment, beauty equipment, packaging equipment, new energy vehicles and pond aeration systems etc.

Dedicated to strict quality control and thoughtful customer service, our experienced engineers are always available to discuss your requirements and ensure full customer satisfaction.

Our main markets include the USA, Mexico, Germany, Japan, UK, Italy, Spain, Australia, Russia, Indonesia and South Korea etc. We welcome the OEM and ODM orders.

Whether selecting a current product from our catalog or seeking engineering assistance for your application, you can talk to our customer service center about your sourcing requirements.

Adhering to the business principle of mutual benefits, we have had a reliable reputation among our customers because of our professional services, quality products and competitive prices, looking forward to your collaboration.



**Air Compressor Solutions Backed
by 20 Years of Global Success.**

Trusted by 8,000+ Clients Worldwide.

YOUR POND NEED MORE OXYGEN

Healthy ecosystem originate from good water quality



muddy water?



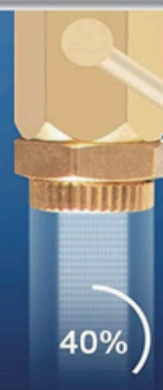
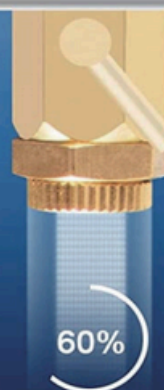
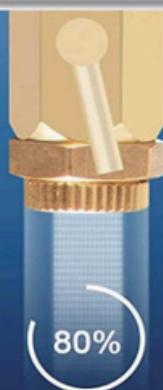
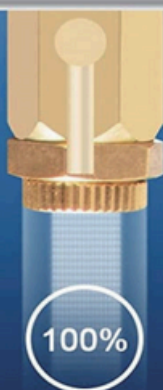
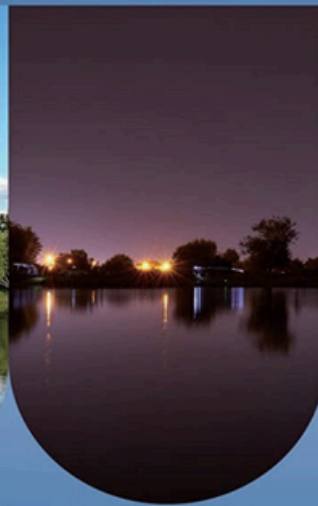
Algae Growth?



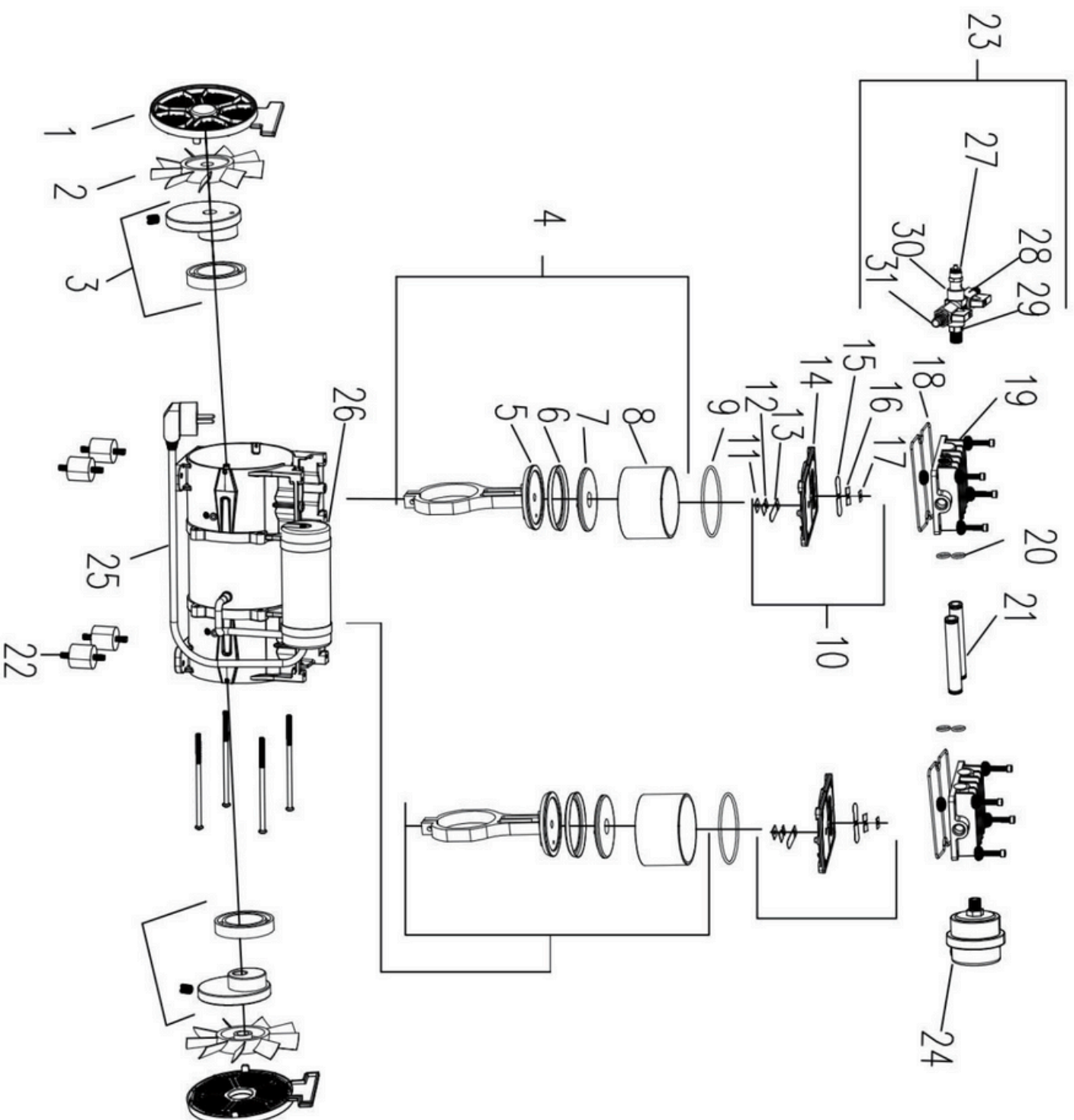
Fish Suffocate

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 acre	0.5 acre
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 acre	1 acre
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 acres	2 acres
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 acres	2 acres
Max diffuser depth	65'	65'
Capacitor value	12.5μF	45μF

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	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 acres	3 acres
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 acres	3 acres
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 acres	5 acres
Max diffuser depth	65'	65'
Capacitor value	35μF	120μF

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-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 acres	3 acres
Max diffuser depth	65'	65'
Capacitor value	15μF	60μF

COMPLETE AERATION SYSTEM



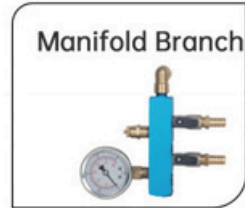
COMPLETELY SAFE:

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	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 acres	2 acres
Max diffuser depth	65'	65'
Capacitor value	20μF	60μF

COMPLETE AERATION SYSTEM



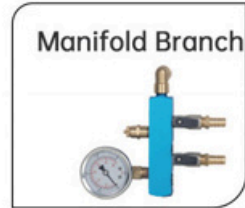
COMPLETELY SAFE:

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-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 acres	2 acres
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	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 acres	3 acres
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	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 acres	3 acres
Max diffuser depth	65'	65'
Capacitor value	15μF	60μF

COMPLETE AERATION SYSTEM



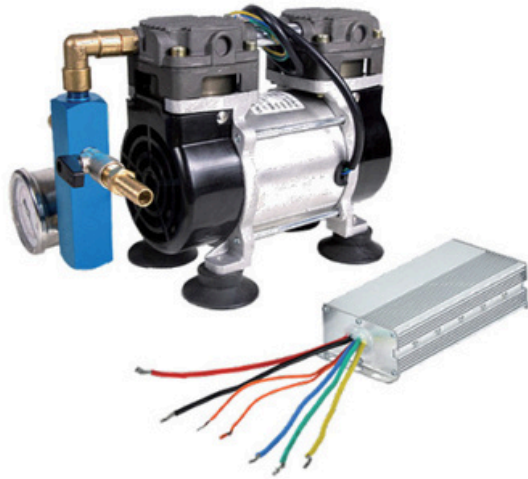
COMPLETELY SAFE:

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.

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 acre
Max diffuser depth	65'

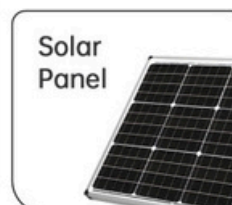
COMPLETE AERATION SYSTEM

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 acre
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



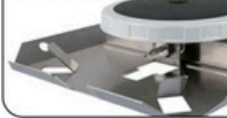
Solar Digital Controller



Solar Panel



Diffuser&Stainless Steel Base



100" Sinking Hose



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 acres
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	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 acres
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	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 acre
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	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 acres
Max diffuser depth	65'

COMPLETE AERATION SYSTEM



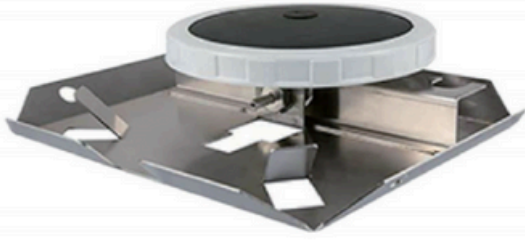
COMPLETELY SAFE:

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.

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 · 浙江鸿川动力
HONGCHUAN POWER TECHNOLOGY CO.,LTD



web



alibaba web



1688 web

Tell:0579-85395979 Fax:0579-85395960

Add: No. 636 Guangshun Street, Xiaoshun Town, Jindong District,
Jinhua , Zhejiang ,China,321036