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OUTBOARD ENGINES



www.cartello.eu

COMPANY INTRODUCTION

Hangzhou Hidea Power Machinery Co., Ltd. is a listed company specialised in the production of outboard engines. The company is located in Hangzhou, a quality life city in China and has an annual capacity of 100,000 outboard engines. The company's outboard engine production line was established in accordance with China's manufacturing standards. The production system adopts advanced foreign equipment for automated flow operations, robot operations, data management control and acquisition, ensuring that the Hidea manufactured product quality can reach the international advanced level in the industry. Hidea attaches great importance to the issue of anti-corrosion of outboard engines and has always been committed to research and resolution of anti-corrosion problems. The company's new paint production line adopts the most advanced paint anti-corrosion technology in the industry, and enhances it in all aspects including materials, pre-treatment, paint formulation, and lacquer layer thickness. Hidea products are mainly two-stroke engines, four-stroke engines, durability series and electronic fuel injection system outboard engines. The company's existing distribution network covers

more than 70 countries and regions such as Europe, the Americas, Oceania, Asia and Africa. With great quality, reliability and a widespread after-sales service system, Hidea products enjoy a global reputation. Hidea has passed ISO9001 international quality system certification, China Classification Society CCS certification the United States EPA certification and the European Union CE certification. It has successively won honors such as Zhejiang Outboard R&D Center, Zhejiang Famous Brand Products, Zhejiang High-tech Enterprise, etc. It is also the drafting unit of Chinese outboard engine industry standard. Hidea is focused on innovation, dedication, efficiency, and ingenious development concepts. It constantly develops increasingly ecological to protect the environment and it is involved in continuous efforts to provide a high quality of life and time to its clients.

9 REASONS TO CHOOSE HIDEA

1. Hidea is China's largest manufacturing facility for outboard engines, with an annual production capacity of 100,000 outboard engines.



3. Each outboard has 6 layers of American PPG paint which keeps our engines looking beautiful and having great anti-corrosion performance.



2. Hidea outboards feature great corrosion resistance thanks to the world's top anti-corrosion technology and our automatic electrophoresis production line.

4. Our engines are accurately cleaned robotically with water and oil before the assembly, guaranteeing an extended life expectancy.

5. Our engines main components are produced with special high-precision equipments in our machine center to allow for high precision and manufacturing quality.



7. Hidea performs systematic axial clearance testing on the line to ensure precise coupling and no mechanical loss of power.



9. Both the engine and the gearbox are tested to be air tight to ensure perfect endurance.

8. Automatic tightening machines assemble all of our core components with precise tools and torque.

6. Engine seals are glued by servo-shift automatic applicators with makes glue lines uniform and precise.

COMPANY STRENGTHS

- Listed company of outboard engines in China
- Leading brand of outboard engines in China
- Applied cutting edge anti-corrosion coating to protect the engine in harsh marine condition



HIGH-TEC MANUFACTURING EQUIPMENTS



WORLDWIDE SUPPLY CHAIN





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EFI

HIDEA
OUTBOARD ENGINES

EFI**NEW!**

PRODUCT HDEF115

MODEL	HDEF115
Max. output	84,6KW
Recommended Max RPM	5800-6100
Stroke	4
Cylinder	4
Displacement	1832
Bore x stroke	81 x 88.9
Weight	175kg
Gear Ratio	2.15 28/13
Gear shift position	F-N-R
Ignition system	ECM
Cooling system	Water Cooling
Starting system	Electric Start
Control system	Remote control
Standard capacity of fuel tank	24L

**NEW!**

EFI

PRODUCT HDEF130

MODEL	HDEF130
Max. output	95,6KW
Recommended Max RPM	6100-6300
Stroke	4
Cylinder	4
Displacement	1832
Bore x stroke	81 x 88.9
Weight	175Kg
Gear Ratio	2.15 28/13
Gear shift position	F-N-R
Ignition system	ECM
Cooling system	Water Cooling
Starting system	Electric Start
Control system	Remote control
Standard capacity of fuel tank	24 L



EFI

PRODUCT HDEF60

MODEL

Max. output	44.1Kw
Recommended Max RPM	5000-5800
Stroke	4
Cylinder	4
Displacement	996
Bore x stroke	65x75
Weight	124kg
Gear Ratio	28:12(2.33)
Gear shift position	F-N-R
Ignition system	ECM
Cooling system	Water cooling
Starting system	Electric Start
Control system	Tiller & Remote control
Standard capacity of fuel tank	24 L



HDEF60FEL-T
FRP Ship

EFI

PRODUCT HDEF50

MODEL

Max. output	36.8Kw
Recommended Max RPM	5000-5800
Stroke	4
Cylinder	4
Displacement	996
Bore x stroke	65x75
Weight	124kg
Gear Ratio	28:12(2.33)
Gear shift position	F-N-R
Ignition system	ECM
Cooling system	Water cooling
Starting system	Electric Start
Control system	Tiller & Remote control
Standard capacity of fuel tank	24 L



HDEF50FEL-T
FRP Ship

EFI

PRODUCT HDEF40

MODEL	HDEF40
Max. output	29.4Kw
Recommended Max RPM	5000-5800
Stroke	4
Cylinder	3
Displacement	747
Bore x stroke	65x75
Weight	L:103Kg
Gear Ratio	28:12(2.33)
Gear shift position	F-N-R
Ignition system	ECM
Cooling system	Water Cooling
Starting system	Electric Start
Control system	Tiller & Remote control
Standard capacity of fuel tank	24L



HDEF40HEL-T
HDEF40FEL-T



EFI

PRODUCT HDEF40SK "MR. GREY"

MODEL	HDEF40SK
Max. output	29.4Kw
Recommended Max RPM	5000-5800
Stroke	4
Cylinder	4
Displacement	996
Bore x stroke	65x75
Weight	L:124Kg
Gear Ratio	28:12(2.33)
Gear shift position	F-N-R
Ignition system	ECM
Cooling system	Water Cooling
Starting system	Electric Start
Control system	Tiller & Remote control
Standard capacity of fuel tank	24 L



HDEF40FEL-T
HDEF40HEL-T

EFI

PRODUCT HDEF30

MODEL	HDEF30
Max. output	22Kw
Recommended Max RPM	5000-5800
Stroke	4
Cylinder	2
Displacement	498
Bore x stroke	65x75
Weight	S:78 Kg L:80Kg
Gear Ratio	27:13(2.08)
Gear shift position	F-N-R
Ignition system	ECM
Cooling system	Water Cooling
Starting system	Electric Start
Control system	Tiller & R Remote control
Standard capacity of fuel tank	24 L



HDEF30HES - HDEF30HES-T
HDEF30HEL - HDEF30HEL-T
HDEF30FES - HDEF30FES-T
HDEF30FEL - HDEF30FEL-T

EFI

PRODUCT HDEF25

MODEL	HDEF25
Max. output	18,4Kw
Recommended Max RPM	4500-5500
Stroke	4
Cylinder	2
Displacement	498
Bore x stroke	59X59
Weight	S:78 Kg L:80 Kg
Gear Ratio	27:13(2.08)
Gear shift position	F-N-R
Ignition system	ECM
Cooling system	Water Cooling
Starting system	Electric Start
Control system	Tiller & Remote control
Standard capacity of fuel tank	24 L



HDEF25HES - HDEF25HES-T
HDEF25HEL - HDEF25HEL-T
HDEF25FES - HDEF25FES-T
HDEF25FEL - HDEF25FEL-T

EFI



PRODUCT HDEF20

MODEL

HDEF20

Max. output

14.7KW

Recommended Max RPM

4500-5500

Stroke

4

Cylinder

2

Displacement

356

Bore x stroke

61x59

Weight

S:53.4 Kg L:54.4 Kg

Gear Ratio

27:13(2.08)

Gear shift position

F-N-R

Ignition system

ECM

Cooling system

Water Cooling

Starting system

Electric Start

Control system

Tiller & Remote control

Standard capacity of fuel tank

12 L



Walnut shell



Rubber yacht

HDEF20HES

HDEF20HEL

HDEF20FES

HDEF20FEL

“In front of the sea, happiness is a simple **HIDEA**”





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HIDEA
OUTBOARD ENGINES

4 STROKE

4 STROKE



PRODUCT HDF20

MODEL	HDF20
Max. output	14.7KW
Recommended Max RPM	4500-5500
Stroke	4
Cylinder	2
Displacement	356
Bore x stroke	61x59
Weight	S:53,4 Kg L:54,4Kg
Gear Ratio	27:13(2.08)
Gear shift position	F-N-R
Ignition system	CDI
Cooling system	Water Cooling
Starting system	Manual & Electric start
Control system	Tiller & Remote control
Standard capacity of fuel tank	12 L



Wallnut shell



Rubber yacht

HDF20HS - HDF20HES
HDF20HL - HDF20HEL
HDF20FES
HDF20FEL

4 STROKE



PRODUCT HDF15

MODEL	HDF15
Max. output	11KW
Recommended Max RPM	4500-5500
Stroke	4
Cylinder	2
Displacement	356
Bore x stroke	61x59
Weight	S:53.4Kg L:54.4Kg
Gear Ratio	27:13(2.08)
Gear shift position	F-N-R
Ignition system	CDI
Cooling system	Water Cooling
Starting system	Manual & Electric start
Control system	Tiller & Remote control
Standard capacity of fuel tank	12 L



Wallnut shell



Rubber yacht

HDF15HS - HDF15HES
HDF15HL - HDF15HEL
HDF15FES
HDF15FEL

4 STROKE



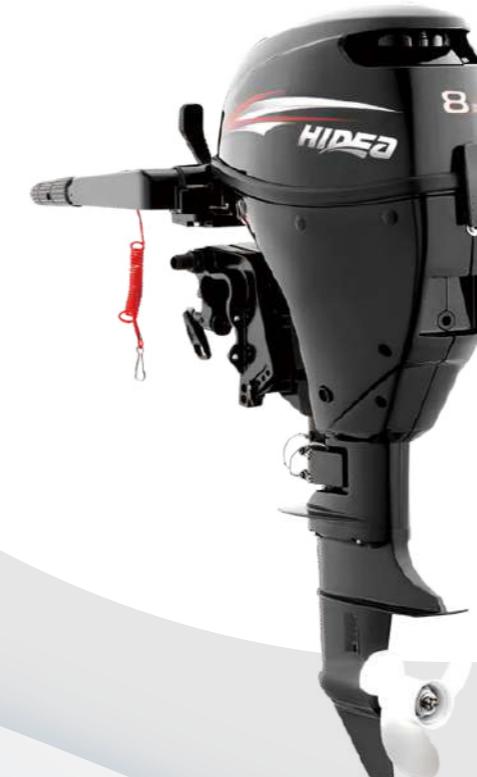
PRODUCT HDF9.9

MODEL	HDF9.9
Max. output	7.2KW
Recommended Max RPM	5000-5800
Stroke	4
Cylinder	2
Displacement	212
Bore x stroke	56x43
Weight	S:41.6Kg L:43Kg
Gear Ratio	27:13(2.08)
Gear shift position	F-N-R
Ignition system	CDI
Cooling system	Water Cooling
Starting system	Manual & Electric start
Control system	Tiller & Remote control
Standard capacity of fuel tank	12 L



HDF9.9HS - HDF9.9HES
HDF9.9HL - HDF9.9HEL
HDF9.9PES
HDF9.9FEL

4 STROKE



PRODUCT HDF8

MODEL	HDF8
Max. output	5.9KW
Recommended Max RPM	4500-5500
Stroke	4
Cylinder	2
Displacement	212
Bore x stroke	56x43
Weight	S:41.6Kg L:43Kg
Gear Ratio	27:13(2.08)
Gear shift position	F-N-R
Ignition system	CDI
Cooling system	Water Cooling
Starting system	Manual & Electric start
Control system	Tiller & Remote control
Standard capacity of fuel tank	12 L



HDF8HS - HDF8HES
HDF8HL - HDF8HEL
HDF8PES
HDF8FEL

4 STROKE



PRODUCT HDF6

MODEL	HDF6
Max. output	4.4KW
Recommended Max RPM	4500-5500
Stroke	4
Cylinder	1
Displacement	139
Bore x stroke	62x46
Weight	S:27Kg L:28Kg
Gear Ratio	27:13(2.08)
Gear shift position	F-N-R
Ignition system	TCI
Cooling system	Water Cooling
Starting system	Manual
Control system	Tiller control
Standard capacity of fuel tank	1.1 L



HDF6HS
HDF6HL

4 STROKE



PRODUCT HDF5

MODEL	HDF5
Max. output	3.6KW
Recommended Max RPM	4500-5500
Stroke	4
Cylinder	1
Displacement	112
Bore x stroke	59x41
Weight	S:22Kg L:23Kg
Gear Ratio	27:13(2.08)
Gear shift position	F-N-R
Ignition system	TCI
Cooling system	Water Cooling
Starting system	Manual
Control system	Tiller control
Standard capacity of fuel tank	1.1 L



HDF5HS
HDF5HL

4 STROKE



PRODUCT HDF4

MODEL	HDF4
Max. output	2.9KW
Recommended Max RPM	4500-5500
Stroke	4
Cylinder	1
Displacement	112
Bore x stroke	59x41
Weight	S:22Kg L:23Kg
Gear Ratio	27:13(2.08)
Gear shift position	F-N-R
Ignition system	TCI
Cooling system	Water Cooling
Starting system	Manual
Control system	Tiller control
Standard capacity of fuel tank	1.1 L



Walnut shell Rubber yacht

HDF4HS HDF4HL

4 STROKE



PRODUCT HDF2.5

MODEL	HDF2.5
Max. output	1.8KW
Recommended Max RPM	5250-5750
Stroke	4
Cylinder	1
Displacement	72
Bore x stroke	54x31.5
Weight	S:17Kg L:18Kg
Gear Ratio	27:13(2.08)
Gear shift position	F-N
Ignition system	TCI
Cooling system	Water Cooling
Starting system	Manual
Control system	Tiller control
Standard capacity of fuel tank	0.9 L



Walnut shell Rubber yacht

HDF2.5HS



PRODUCT CATALOGUE

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H: REAR CONTROL

F: FRONT REMOTE

S: SHORT SHAFT

E: ELECTRICAL STARTER

L: LONG SHAFT

T: POWER TRIM

4 STROKE

PRODUCT CATALOGUE



H: REAR CONTROL

F: FRONT REMOTE

S: SHORT SHAFT

E: ELECTRICAL STARTER

L: LONG SHAFT

T: POWER TRIM



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