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OUTBOARD ENGINES



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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.



2.

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



3.

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



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.



6.

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



7.

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



8.

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



9.

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

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

CNC
WORKSHOP



ASSEMBLING
WORKSHOP



AUTOMATIC
TIGHTENING



ROBOT



HIGH-TEC MANUFACTURING EQUIPMENTS



WORLDWIDE SUPPLY CHAIN



HIDEA
OUTBOARD ENGINES



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EFI

EFI



PRODUCT HDEF115

MODEL	HDEF115
Max. output	84,6KW
Recommended Max RPM	5800-6100
Stroke	4
Cylinder	4
Displacement	1832
Bore x stroke	81 × 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!



HDEF115FEL-T

EFI



PRODUCT HDEF130

MODEL	HDEF130
Max. output	95,6KW
Recommended Max RPM	6100-6300
Stroke	4
Cylinder	4
Displacement	1832
Bore x stroke	81 × 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

NEW!



HDEF130FEL-T

EFI



PRODUCT HDEF60

MODEL	HDEF60
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

EFI



PRODUCT HDEF50

MODEL	HDEF50
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

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

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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



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



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



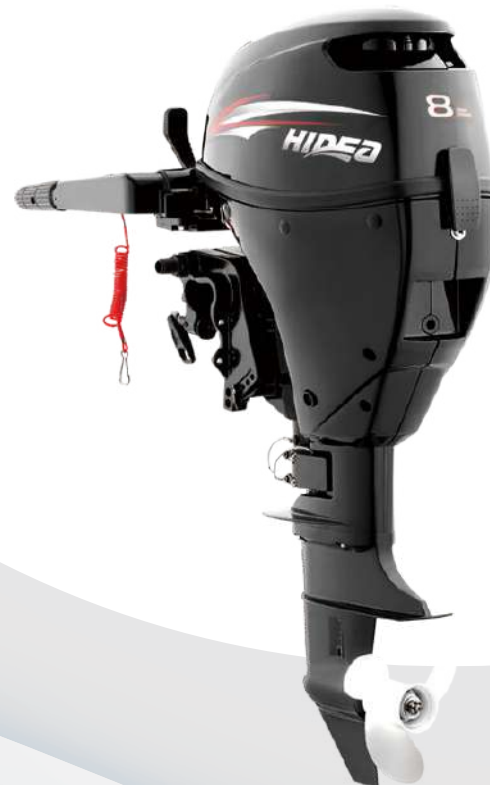
Walnut shell



Rubber yacht

HDF9.9HS - HDF9.9HES
HDF9.9HL - HDF9.9HEL
HDF9.9FES
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



Walnut shell



Rubber yacht

HDF8HS - HDF8HES
HDF8HL - HDF8HEL
HDF8FES
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



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



HDF2.5HS



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PRODUCT CATALOGUE

EFI

PRODUCT CATALOGUE



◀ HDEFI15FEL - T
HDEFI30FEL - T



◀ HDEF60FEL - T



◀ HDEF50FEL - T



◀ HDEF40SKFEL - T
HDEF40SKHEL - T



◀ HDEF40FEL - T
HDEF40HEL - T



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



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



◀ HDEF20HES
HDEF20HEL
HDEF20FES
HDEF20FEL

H: REAR CONTROL

F: FRONT REMOTE

S: SHORT SHAFT

E: ELECTRICAL STARTER

L: LONG SHAFT

T: POWER TRIM

4 STROKE

PRODUCT CATALOGUE



◀ HDF20HS
HDF20HL
HDF20HES
HDF20HEL
HDF20FES
HDF20FEL



◀ HDF15HS
HDF15HL
HDF15HES
HDF15HEL
HDF15FES
HDF15FEL



◀ HDF9.9HS
HDF9.9HL
HDF9.9HES
HDF9.9HEL
HDF9.9FES
HDF9.9FEL



◀ HDF8HS
HDF8HL
HDF8HES
HDF8HEL
HDF8FES
HDF8FEL



◀ HDF6HS
HDF6HL



◀ HDF5HS
HDF5HL



◀ HDF4HS
HDF4HL



◀ HDF2.5HS

H: REAR CONTROL

F: FRONT REMOTE

S: SHORT SHAFT

E: ELECTRICAL STARTER

L: LONG SHAFT

T: POWER TRIM



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HIDEA

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