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HIDEA

COMPANY INTRODUCTION

Hangzhou Hidea Power Machinery Co., Ltd. is a listed company specializing in the production of outboard engines. The company is located in Hangzhou, a city of quality life in China. It has an annual capacity of 100,000 outboard engines. The outboard engine production line of the company was established in accordance with China's intelligent manufacturing standards. The production system adopts advanced foreign equipment for automated flow operations, robot operation, data management

and 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 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 current products are mainly two-stroke series, four-stroke series, 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 a stable and reliable quality and 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 concentrates on the wisdom of experts, constantly develops green environmental protection power products, and provides people with continuous efforts to provide a high quality of life. Power of Hidea, Power of Spirit!

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 having 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 motors looking beautiful and having great anti-corrosion performance.



4.

Our engines are cleaned robotically with the water and oil channels fixed, which greatly extended the service life of our motors.



5.

Our main components are produced with special high-precision tooling in our machine center to allow for high quality and stability.



6.

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

7.

Hidea performs axial clearance testing on the line to ensure that each machine has no mechanical loss of power and that moving parts are precisely matched.



8.

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



9.

Both the engine and gearbox are tested to be air tight on the line to ensure that both are expertly sealed.



COMPANY STRENGTH



CNC Workshop



Assembling Workshop



Automatic tightening



Robot

- ◆ Listed company of outboard motor in China
- ◆ Leading brand of outboard motor in China
- ◆ Applied world-class cutting edge anti-corrosion coating to prevent your motor in harsh marine condition



HIGH-TEC MANUFACTURING EQUIPMENT



WORLDWIDE SUPPLY CHAIN





EFI



PRODUCTS

HDEF60



FRP Ship
HDEF60HEL-T \ HDEF60FEL-T

Model	HDEF 60
Max.output(kw)	44.1 KW
Recommended Max RPM	5000-5800
Stroke	4
Cylinder	4
Displacement(cc)	996
BorexStroke	65×75
Weight	L:109kg
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 (L)	24

EFI



PRODUCTS

HDEF50



FRP Ship
HDEF50HEL-T \ HDEF50FEL-T

Model	HDEF50
Max.output(kw)	36.8 KW
Recommended Max RPM	5000-5800
Stroke	4
Cylinder	4
Displacement(cc)	996
BorexStroke	65×75
Weight	L:109kg
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 (L)	24



PRODUCTS

HDEF40



FRP Ship
HDEF40HEL-T \ HDEF40FEL-T

Model	HDEF40
Max.output(kw)	29.4 KW
Recommended Max RPM	5000-5800
Stroke	4
Cylinder	3
Displacement(cc)	747
BorexStroke	65×75
Weight	L:97kg
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 (L)	24



HIDEA

EFI



40 **SK**



EFI



PRODUCTS



FRP Ship
HDEF40HEBL-T \ HDEF40FEBL-T

HDEF40 **SK**

Model	HDEF 40 SK
Max.output(kw)	29.4 KW
Recommended Max RPM	5000-5800
Stroke	4
Cylinder	4
Displacement(cc)	996
BorexStroke	65x75
Weight	L:109kg
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	Manual & Electric start
Standard Capacity of Fuel Tank (L)	24



HDEF30



FRP Ship

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

Model	HDEF30
Max.output	22 KW
Recommended Max RPM	5000-5800
Stroke	4
Cylinder	2
Displacement(cc)	498
BorexStroke	65x75
Weight	S:78kg 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	Manual & Electric start
Standard Capacity of Fuel Tank (L)	24



HDEF20



Walnut shell



Rubber yacht

HDEF20HS \ HDEF20HL
HDEF20FES \ HDEF20FEL
HDEF20HES \ HDEF20HEL

Model	HDEF20
Max.output	14.7 KW
Recommended Max RPM	4500-5500
Stroke	4
Cylinder	2
Displacement(cc)	323
BorexStroke	59x59
Weight	"S:53.4kg L:54.4kg "
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	Manual & Electric start
Standard Capacity of Fuel Tank (L)	12



HIDEA

EFI



HIDEA

4-STROKE



PRODUCTS

HDF 25



FRP Ship

HDF25HS \ HDF25HL
HDF25FES \ HDF25FEL
HDF25HES \ HDF25HEL
HDF25FES-T \ HDF25FEL-T

Model	HDF25
Max.output	18.4 KW
Recommended Max RPM	5000-5800
Stroke	4
Cylinder	2
Displacement(cc)	498
BorexStroke	65x75
Weight	"S:78kg L:80kg"
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 (L)	24

4 STROKE



PRODUCTS

HDF 20



HDF20HS \ HDF20HL
HDF20HES \ HDF20HEL
HDF20FES \ HDF20FEL

Model	HDF20
Max.output	14.7 KW
Recommended Max RPM	4500-5500
Stroke	4
Cylinder	2
Displacement(cc)	323
BorexStroke	59x59
Weight	"S:49.5kg L:51.5kg "
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 (L)	12



PRODUCTS

HDF 15



HDF15HS \ HDF15HL
HDF15HES \ HDF15HEL
HDF15FES \ HDF15FEL

Model	HDF15
Max.output	11 KW
Recommended Max RPM	4500-5500
Stroke	4
Cylinder	2
Displacement(cc)	323
BorexStroke	59x59
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 (L)	12





PRODUCTS

HDF 9.9



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

Model	HDF9.9
Max.output	7.2 KW
Recommended Max RPM	5000-5800
Stroke	4
Cylinder	2
Displacement(cc)	212
BorexStroke	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 (L)	12



PRODUCTS

HDF 8



HDF8HS \ HDF8HL
HDF8HES \ HDF8HEL
HDF8FES \ HDF8FEL

Model	HDF 8
Max.output	5.9 KW
Recommended Max RPM	4500-5500
Stroke	4
Cylinder	2
Displacement(cc)	212
BorexStroke	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 (L)	12



HIDEA

4 STROKE



PRODUCTS

HDF 6



HDF6HS \ HDF6HL

Model	HDF 6
Max.output	4.4 KW
Recommended Max RPM	4500-5500
Stroke	4
Cylinder	1
Displacement(cc)	139
BorexStroke	62×46
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 (L)	1.1



PRODUCTS

HDF 5



HDF5HS \ HDF5HL

Model	HDF 5
Max.output	3.6 KW
Recommended Max RPM	4500-5500
Stroke	4
Cylinder	1
Displacement(cc)	112
BorexStroke	59×41
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 (L)	1.1





PRODUCTS

HDF 4



HDF4HS \ HDF4HL

Model	HDF 4
Max.output	2.9 KW
Recommended Max RPM	4500-5500
Stroke	4
Cylinder	1
Displacement(cc)	112
BorexStroke	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 (L)	1.1



PRODUCTS

HDF2.5



HDF2.5HS

Model	HDF 2.5
Max.output	1.8 KW
Recommended Max RPM	5250-5750
Stroke	4
Cylinder	1
Displacement(cc)	72
BorexStroke	54x31.5
Weight	17kg
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 (L)	0.9



HIDEA

4
STROKE



HIDEA

2-STROKE



PRODUCTS HD60F



Walnut shell



Rubber yacht

HD60FHL-D \ HD60FFEL-D \ HD60FFEL-T

Model	HD60F
Max.output	44.1 KW
Recommended Max RPM	4500-5500
Stroke	2
Cylinder	3
Displacement(cc)	849
BorexStroke	72x69.5
Weight	" L:102kg"
Gear Ratio	28:12 (2.33)
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 (L)	24

2 STROKE



HIDEA

PRODUCTS HD40F



HD40FHS \ HD40FHES \ HD40FFES \ HD40FFES-T
HD40FHL \ HD40FHEL \ HD40FFEL \ HD40FFEL-T



PRODUCTS HD30F



HD30FHS \ HD30FHES \ HD30FFES
HD30FHL \ HD30FHEL \ HD30FFEL



PRODUCTS HD25F



HD25FHBS \ HD25FFEBBS \ HD25FHEBS
HD25FHBL \ HD25FFEBL \ HD25FHEBL



PRODUCTS HD20F



HD20FHS \ HD20FFES
HD20FHL \ HD20FFEL



Model	HD40F	HD30F
Max.output	29.4 KW	22 KW
Recommended Max RPM	4500-5500	4500-5500
Stroke	2	2
Cylinder	2	2
Displacement(cc)	703	496
BorexStroke	80x70	72x61
Weight	"S:76.6 kg L:80.6kg"	"S:53 kg L:54.5kg"
Gear Ratio	26:13 (2.00)	27:13 (2.08)
Gear Shift Position	F-N-R	F-N-R
Ignition System	CDI	CDI
Cooling System	Water-cooling	Water-cooling
Starting System	Manual & Electric start	Manual & Electric start
Control System	Tiller & Remote Control	Tiller & Remote Control
Standard Capacity of Fuel Tank (L)	24	24

Model	HD25F	HD20F
Max.output	18.4 KW	14.7 KW
Recommended Max RPM	4500-5500	5200-5800
Stroke	2	2
Cylinder	2	2
Displacement(cc)	496	326
BorexStroke	72x61	62x54
Weight	"S:53 kg L:54.5kg"	"S:41kg L:42kg "
Gear Ratio	27:13 (2.08)	24:13 (1.85)
Gear Shift Position	F-N-R	F-N-R
Ignition System	CDI	CDI
Cooling System	Water-cooling	Water-cooling
Starting System	Manual & Electric start	Manual & Electric start
Control System	Tiller & Remote Control	Tiller & Remote Control
Standard Capacity of Fuel Tank (L)	24	24



HIDEA

PRODUCTS HD18F



HD18FHB5 \ HD18FFEBS
HD18FHL \ HD18FEBL



PRODUCTS HD15F



HD15FHS \ HD15FHL



PRODUCTS HD9.9F



HD9.9FHS \ HD9.9FHL



PRODUCTS HD9.8F



HD9.8FHS \ HD9.8FHL



Model	HD18F	HD15F
Max.output	13.2KW	11 KW
Recommended Max RPM	4500-5500	4500-5500
Stroke	2	2
Cylinder	2	2
Displacement(cc)	326	246
BorexStroke	62x54	56x50
Weight	"S:41kg L:42kg "	"S:36kg L:38kg "
Gear Ratio	24:13 (1.85)	27:13 (2.08)
Gear Shift Position	F-N-R	F-N-R
Ignition System	CDI	CDI
Cooling System	Water-cooling	Water-cooling
Starting System	Manual & Electric start	Manual
Control System	Tiller & Remote Control	Tiller Control
Standard Capacity of Fuel Tank (L)	24	24

Model	HD9.9F	HD9.8F
Max.output	7.3KW	7.2KW
Recommended Max RPM	4500-5500	4500-5500
Stroke	2	2
Cylinder	2	2
Displacement(cc)	246	169
BorexStroke	56x50	50x43
Weight	"S:36kg L:38kg "	"S:26kg L:27kg "
Gear Ratio	27:13 (2.08)	27:13 (2.08)
Gear Shift Position	F-N-R	F-N-R
Ignition System	CDI	CDI
Cooling System	Water-cooling	Water-cooling
Starting System	Manual	Manual
Control System	Tiller Control	Tiller Control
Standard Capacity of Fuel Tank (L)	24	12



HIDEA

PRODUCTS HD5F



HD5FHS \ HD5FHL



PRODUCTS HD4FW



HD4FHWS \ HD4FHWL



PRODUCTS HD3.5FV



HD3.5FHVS



PRODUCTS HD3F



HD3FHS



Model	HD5F	HD4FW
Max.output	3.7 KW	2.9 KW
Recommended Max RPM	4500-5500	4200-5300
Stroke	2	2
Cylinder	1	1
Displacement(cc)	102	79.5
BorexStroke	55x43	48x44
Weight	"S:20kg L:21kg "	"S:13kg L:14kg "
Gear Ratio	27:13(2.08)	27:13(2.08)
Gear Shift Position	F-N-R	F-N
Ignition System	CDI	CDI
Cooling System	Water-cooling	Water-cooling
Starting System	Manual	Manual
Control System	Tiller Control	Tiller Control
Standard Capacity of Fuel Tank (L)	2.5	1.4

Model	HD3.5FV	HD3F
Max.output	2.6 KW	2.2 KW
Recommended Max RPM	4200-5300	4000-5500
Stroke	2	2
Cylinder	1	1
Displacement(cc)	74.6	64
BorexStroke	47x43	45x40
Weight	13kg	9.8kg
Gear Ratio	24:13(1.85)	27:13(2.08)
Gear Shift Position	F-N	F-N
Ignition System	CDI	CDI
Cooling System	Water-cooling	Water-cooling
Starting System	Manual	Manual
Control System	Tiller Control	Tiller Control
Standard Capacity of Fuel Tank (L)	1.4	1.2

EFI STROKE



◀ HDEF60HEL-T
HDEF60FEL-T



◀ HDEF50HEL-T
HDEF50FEL-T



◀ HDEF40HEL-T
HDEF40FEL-T



◀ HDEF40HEBL-T
HDEF40FEBL-T



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



◀ HDEF20HS \ HDEF20HL
HDEF20FES \ HDEF20FEL
HDEF20HES \ HDEF20HEL

H: rear control

F: front remote control

S: short shaft

E: electrical starter

L: long shaft

T: Power trim

4 STROKE



HDF25HS \ HDF25HL
HDF25HES \ HDF25HEL
HDF25FES \ HDF25FEL
HDF25FES-T \ HDF25FEL-T



HDF20HS \ HDF20HL
HDF20HES \ HDF20HEL
HDF20FES \ HDF20FEL
HDF20FES-T \ HDF20FEL-T



HDF15HS \ HDF15HL
HDF15FES \ HDF15FEL
HDF15HES \ HDF15HEL



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



HDF8HS \ HDF8HL
HDF8FES \ HDF8FEL
HDF8HES \ HDF8HEL



HDF6HS
HDF6HL



HDF5HS
HDF5HL



HDF4HS
HDF4HL



HDF2.5HS

H: rear control

F: front remote control

S: short shaft

E: electrical starter

L: long shaft

T: Power trim

2 STROKE



◀ HD60FHL-D
HD60FFEL-D
HD60FFEL-T



◀ HD40FHS \ HD40FHL
HD40FFES \ HD40FFEL
HD40FHES \ HD40FHFL
HD40FFES-T \ HD40FFEL-T



◀ HD30FHS \ HD30FHL
HD30FFES \ HD30FFEL
HD30FHES \ HD30FHFL



◀ HD25FHBS \ HD25FHBL
HD25FFEBBS \ HD25FFEBL
HD25FHEBS \ HD25FHEBL



◀ HD20FHS
HD20FFES
HD20FHL
HD20FFEL



◀ HD18FHBS
HD18FFEBBS
HD18FHBL
HD18FFEBL



◀ HD15FHS \ HD15FHL



◀ HD9.9FHS
HD9.9FHL



◀ HD9.8FHS
HD9.8FHL



◀ HD5FHS
HD5FHL



◀ HD4FHW5
HD4FHWL



◀ HD3.5FHS



◀ HD3FHS

H: rear control

F: front remote control

S: short shaft

E: electrical starter

L: long shaft

T: Power trim