



HIDEA



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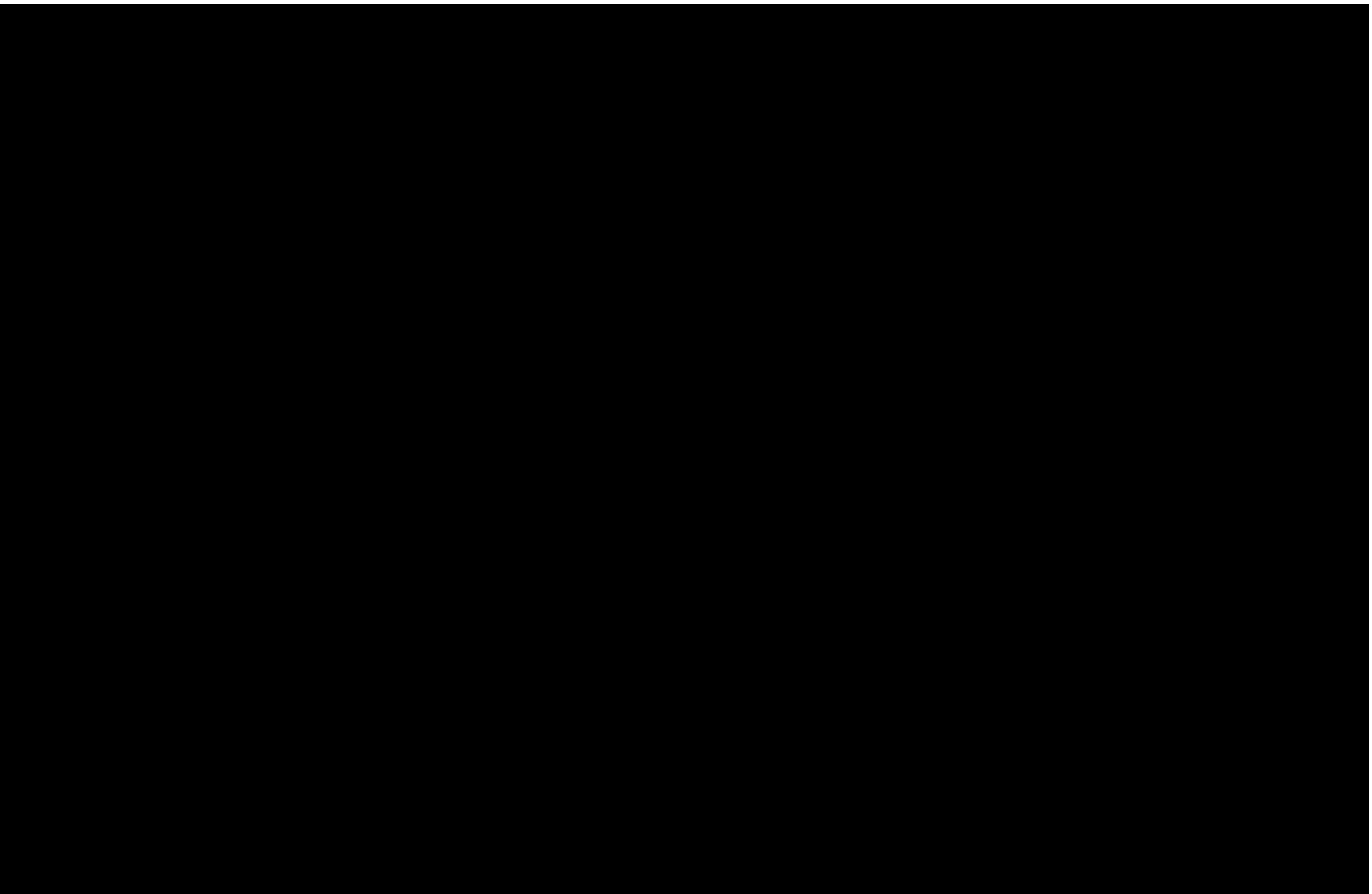
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HANGZHOU HIDEA POWER MACHINERY CO.,LTD

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HIDEA

First-Class Chinese Outbord Motor

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. It has been verified that Hidea outboard seawater corrosion life can reach the international level of the same industry. Hidea current products are mainly two-stroke series, four-stroke series, durability series and electronic fuel injection system outboard engines. All products are independently developed and over 70% of the products are exported to developed countries such as Europe and the United States. 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!



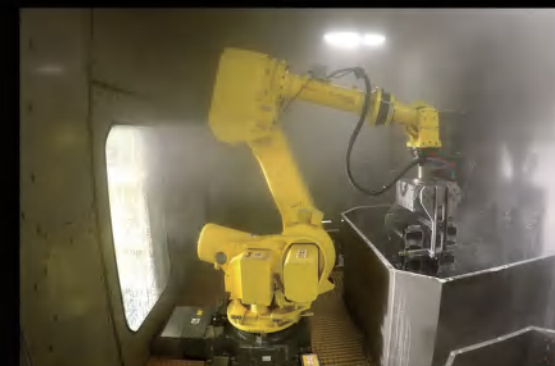
9 REASONS TO CHOOSE HIDEA



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



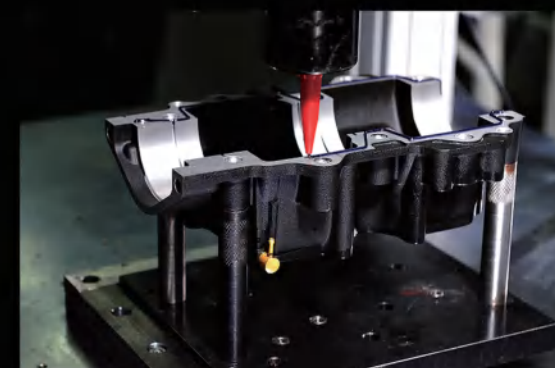
- 2 Hidea outboards feature great corrosion resistance thanks to having the world's top anti-corrosion technology and our automatic electrophoresis production line.
- 3 Each outboard has 6 layers of American PPG paint which keeps our motors looking beautiful and having great anti-corrosion performance.



- 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.

OUR CUSTOMERS



HIGH-TEC MANUFACTURING EQUIPMENT

WORLDWIDE SUPPLY CHAIN

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EFI



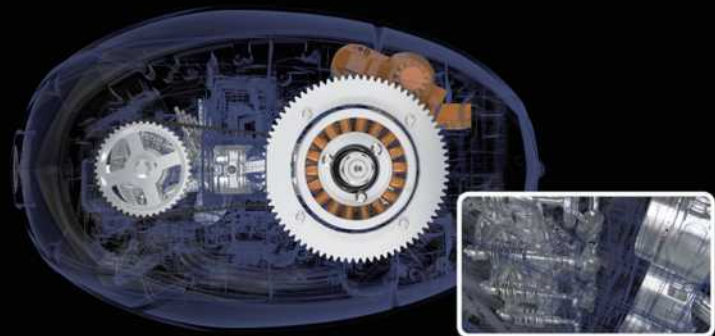
PRODUCTS

HDEF130,115

HDEF130FEL-T
HDEF115FEL-T



Model	HDEF130	HDEF115
Max.output	95.6KW	84.6KW
Recommended Max RPM	5300-6300	5300-6300
Stroke	4	4
Cylinder	4	4
Displacement(cc)	1832	1832
Bore×Stroke	81×88.9	81×88.9
Weight	X:175kg	X:175kg
Gear Ratio	28:13(2.15)	28:13(2.15)
Gear Shift Position	F-N-R	F-N-R
Ignition System	ECM	ECM
Cooling System	Water-cooling	Water-cooling
Starting System	Electric start	Electric start
Control System	Remote Control	Remote Control
Standard Capacity of Fuel Tank(L)	24	24



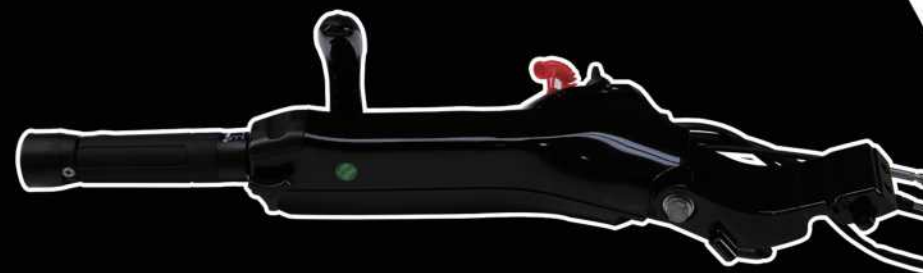
PRODUCTS

HDEF60,50

HDEF60HEL-T\HDEF60FEL-T
HDEF50HEL-T\HDEF50FEL-T



Model	HDEF60	HDEF50
Max.output(kw)	44.1KW	36.8KW
Recommended Max RPM	5000-5800	5000-5800
Stroke	4	4
Cylinder	4	4
Displacement(cc)	996	996
Bore×Stroke	65×75	65×75
Weight	L:124kg	L:124kg
Gear Ratio	28:12 / 24:13	28:12 / 24:13
Gear Shift Position	F-N-R	F-N-R
Ignition System	ECM	ECM
Cooling System	Water-cooling	Water-cooling
Starting System	Electric start	Electric start
Control System	Tiller & Remote Control	Tiller & Remote Control
Standard Capacity of Fuel Tank(L)	24	24



PRODUCTS

HDEF40HEL-T\HDEF40FEL-T

HDEF40



Model	HDEF40
Max.output(kw)	29.4KW
Recommended Max RPM	5000-5800
Stroke	4
Cylinder	3
Displacement(cc)	747
Bore×Stroke	65×75
Weight	L:103kg
Gear Ratio	26:13(2.0)
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 HDEF30



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

Model	HDEF30
Max.output	22KW
Recommended Max RPM	5000-5800
Stroke	4
Cylinder	2
Displacement(cc)	498
Bore×Stroke	65×75
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	Tiller & Remote Control
Standard Capacity of Fuel Tank(L)	24



PRODUCTS HDEF20



HDEF20HS \ HDEF20HL
HDEF20FES \ HDEF20FEL
HDEF20HES \ HDEF20HEL

Model	HDEF20
Max.output	14.7KW
Recommended Max RPM	4500-5500
Stroke	4
Cylinder	2
Displacement(cc)	356
Bore×Stroke	61×59
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	Tiller & Remote Control
Standard Capacity of Fuel Tank(L)	12





PRODUCTS

HDF20

FRP Ship

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

Model	HDF20
Max.output	14.7kw
Recommended Max RPM	4500-5500
Stroke	4
Cylinder	2
Displacement(cc)	356
Bore×Stroke	61x59
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	Manual & Electric start
Control System	Tiller & Remote Control
Standard Capacity of Fuel Tank(L)	12

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4-STROKE

PRODUCTS

HDF15

HDF15HS\HDF15HL
HDF15HES\HDF15HEL
HDF15FES\HDF15FEL



PRODUCTS

HDF9.9

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



Model	HDF15	HDF9.9
Max.output	11KW	7.2KW
Recommended Max RPM	4500-5500	4500-5500
Stroke	4	4
Cylinder	2	2
Displacement(cc)	356	212
Bore×Stroke	61×59	56×43
Weight	S:53.4kg L:54.4kg	S:41.6kg L:43kg
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 & Electric start	Manual & Electric start
Control System	Tiller & Remote Control	Tiller & Remote Control
Standard Capacity of Fuel Tank(L)	12	12

Model	HDF8	HDF6
Max.output	5.9KW	4.4KW
Recommended Max RPM	4500-5500	4500-5500
Stroke	4	4
Cylinder	2	1
Displacement(cc)	212	139
Bore×Stroke	56×43	62×46
Weight	S:41.6kg L:43kg	S:27kg L:28kg
Gear Ratio	27:13(2.08)	27:13(2.08)
Gear Shift Position	F-N-R	F-N-R
Ignition System	CDI	TCI
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)	12	1.1

PRODUCTS

HDF8

HDF8HS\HDF8HL
HDF8HES\HDF8HEL
HDF8FES\HDF8FEL



PRODUCTS

HDF6

HDF6HS\HDF6HL



PRODUCTS

HDF5

HDF5HAS\HDF5HAL



PRODUCTS

HDF4

HDF4HS\HDF4HL

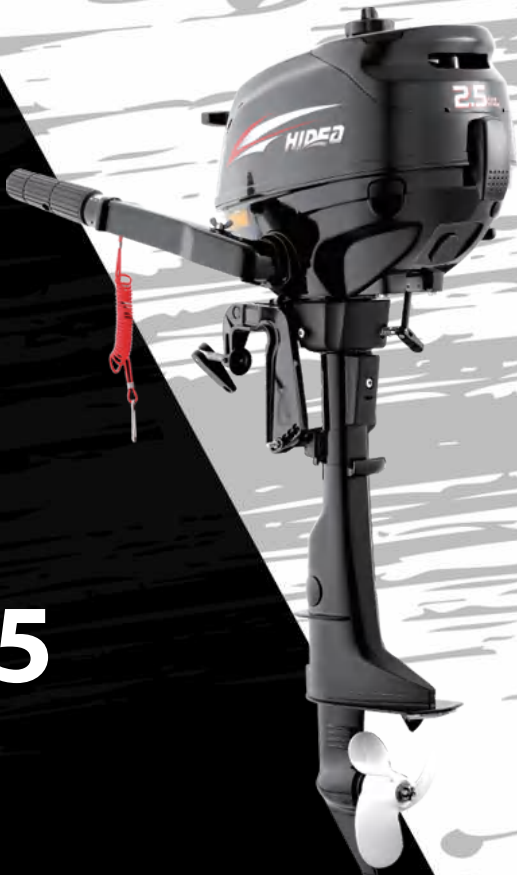


Model	HDF5	HDF4
Max.output	3.6KW	2.9KW
Recommended Max RPM	4500-5500	4500-5500
Stroke	4	4
Cylinder	1	1
Displacement(cc)	112	112
Bore×Stroke	59×41	59×41
Weight	S:22kg L:23kg	S:22kg L:23kg
Gear Ratio	27:13(2.08)	27:13(2.08)
Gear Shift Position	F-N-R	F-N-R
Ignition System	TCI	TCI
Cooling System	Water-cooling	Water-cooling
Starting System	Manual	Manual
Control System	Tiller Control	Tiller Control
Standard Capacity of Fuel Tank(L)	1.1	1.1

PRODUCTS

HDF2.5

HDF2.5HS\HDF2.5HL



Model	HDF2.5
Max.output	1.8KW
Recommended Max RPM	5250-5750
Stroke	4
Cylinder	1
Displacement(cc)	72
Bore×Stroke	54×31.5
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(L)	0.9

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2-STROKE



PRODUCTS HD3F

HD3FHS



Model	HD3F
Max.output(kw)	2.2KW
Recommended Max RPM	4000-5500
Stroke	2
Cylinder	1
Displacement(cc)	64
Bore×Stroke	45×40
Weight	9.8kg
Gear Ratio	27:13(2.08)
Gear Shift Position	F-N
Ignition System	CDI
Cooling System	Water-cooling
Starting System	Manual
Control System	Tiller Control
Standard Capacity of Fuel Tank(L)	1.2



PRODUCTS HD4FW

HD4FHWS\HD4FHWL



Model	HD4FW
Max.output	2.9KW
Recommended Max RPM	4200-5300
Stroke	2
Cylinder	1
Displacement(cc)	79.5
Bore×Stroke	48×44
Weight	S:13kg L:14kg
Gear Ratio	27:13(2.08)
Gear Shift Position	F-N
Ignition System	CDI
Cooling System	Water-cooling
Starting System	Manual
Control System	Tiller Control
Standard Capacity of Fuel Tank(L)	1.4



PRODUCTS HD5F



HD5FHS\HD5FHL

Model	HD5F
Max.output	3.7KW
Recommended Max RPM	4500-5500
Stroke	2
Cylinder	1
Displacement(cc)	102
Bore×Stroke	55×43
Weight	S:20kg L:21kg
Gear Ratio	27:13(2.08)
Gear Shift Position	F-N-R
Ignition System	CDI
Cooling System	Water-cooling
Starting System	Manual
Control System	Tiller Control
Standard Capacity of Fuel Tank(L)	2.5



PRODUCTS HD9.8F



HD9.8FHS\HD9.8FHL

Model	HD9.8F
Max.output	7.2KW
Recommended Max RPM	4500-5500
Stroke	2
Cylinder	2
Displacement(cc)	169
Bore×Stroke	50×43
Weight	S:26kg L:27kg
Gear Ratio	27:13(2.08)
Gear Shift Position	F-N-R
Ignition System	CDI
Cooling System	Water-cooling
Starting System	Manual
Control System	Tiller Control
Standard Capacity of Fuel Tank(L)	12



PRODUCTS HD9.9F

HD9.9FHS\HD9.9FHL



PRODUCTS HD15F

HD15FHS\HD15FHL



Model	HD9.9F	HD15F
Max.output	7.3KW	11KW
Recommended Max RPM	4500-5500	4500-5500
Stroke	2	2
Cylinder	2	2
Displacement(cc)	246	246
Bore×Stroke	56×50	56×50
Weight	S:36kg L:38kg	S:36kg L:38kg
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	24



PRODUCTS HD18F

HD18FHBS\HD18FFEB
HD18FHBL\HD18FFEBL



PRODUCTS HD20F

HD20FHS\HD20FFES
HD20FHL\HD20FFEL



Model	HD18F	HD20F
Max.output	13.2KW	14.7KW
Recommended Max RPM	5200-5800	5200-5800
Stroke	2	2
Cylinder	2	2
Displacement(cc)	326	326
Bore×Stroke	62x54	62x54
Weight	S:43kg L:48kg	S:43kg L:48kg
Gear Ratio	24:13(1.85)	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



PRODUCTS
HD25F

HD25FHBS\HD25FFEBS\HD25FHEBS
HD25FHBL\HD25FFEBL\HD25FHEBL



PRODUCTS
HD30F

HD30FHS\HD30FHES\HD30FFES
HD30FHL\HD30FHEL\HD30FFEL



Model	HD25F	HD30F
Max.output	18.4KW	22KW
Recommended Max RPM	4500-5500	4500-5500
Stroke	2	2
Cylinder	2	2
Displacement(cc)	496	496
Bore×Stroke	72×61	72×61
Weight	S:54kg L:61kg	S:54kg L:61kg
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 & Electric start	Manual & Electric start
Control System	Tiller & Remote Control	Tiller & Remote Control
Standard Capacity of Fuel Tank(L)	24	24

PRODUCTS
HD40F

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



PRODUCTS
HD60F

HD60FHL-D\HD60FFEL-D
HD60FFEL-T



Model	HD40F	HD60F
Max.output	29.4KW	44.1KW
Recommended Max RPM	4500-5500	4500-5500
Stroke	2	2
Cylinder	2	3
Displacement(cc)	703	849
Bore×Stroke	80×70	72×69.5
Weight	S:76.6kg L:80.6kg	L:102kg
Gear Ratio	26:13(2.00)	28:12(2.33)
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

PRODUCTS

HD75F

HD75FHL-D\HD75FHX-D
HD75FEL-T\HD75FEX-T



Model	HD75F
Max.output(kw)	55.2KW
Recommended Max RPM	4500-5500
Stroke	2
Cylinder	3
Displacement(cc)	1140
Bore×Stroke	82×72
Weight	L:114kg
Gear Ratio	26:13(2.0)
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



PRODUCTS

HD90F

HD90FHL-D\HD90FHX-D
HD90FEL-T\HD90FEX-T



Model	HD90F
Max.output(kw)	66.18KW
Recommended Max RPM	4500-5500
Stroke	2
Cylinder	3
Displacement(cc)	1140
Bore×Stroke	82×72
Weight	L:114kg
Gear Ratio	26:13(2.0)
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



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JET DRIVE



PRODUCTS HDJ30F

HDJ30FHS\HDJ30FHL



Model	HDJ30F
Max.output(kw)	22KW
Recommended Max RPM	4500-5500
Stroke	2
Cylinder	2
Displacement(cc)	496
Bore×Stroke	72×61
Weight	S:64kg
Gear Ratio	
Gear Shift Position	F-N-R
Ignition System	CDI
Cooling System	Water-cooling
Starting System	Manual
Control System	Tiller
Standard Capacity of Fuel Tank(L)	24

PRODUCTS HDJ40F

HDJ40FHS\HDJ40FHL



Model	HDJ40F
Max.output(kw)	29.4KW
Recommended Max RPM	4500-5500
Stroke	2
Cylinder	2
Displacement(cc)	703
Bore×Stroke	80×70
Weight	S:75kg
Gear Ratio	
Gear Shift Position	F-N-R
Ignition System	CDI
Cooling System	Water-cooling
Starting System	Manual
Control System	Tiller
Standard Capacity of Fuel Tank(L)	24



2-STROKE



4-STROKE

EFI