HIDEA

OUTBOARD ENGINES



HIDEA
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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


FRP Ship 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


FRP Ship HDEF130FEL-T



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

FRP Ship 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

FRP Ship HDEF50FEL-T



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

FRP Ship HDEF40HEL-T HDEF40FEL-T



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

FRP Ship HDEF40FEL-T HDEF40HEL-T



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

FRP Ship

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



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

FRP Ship

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

EFI

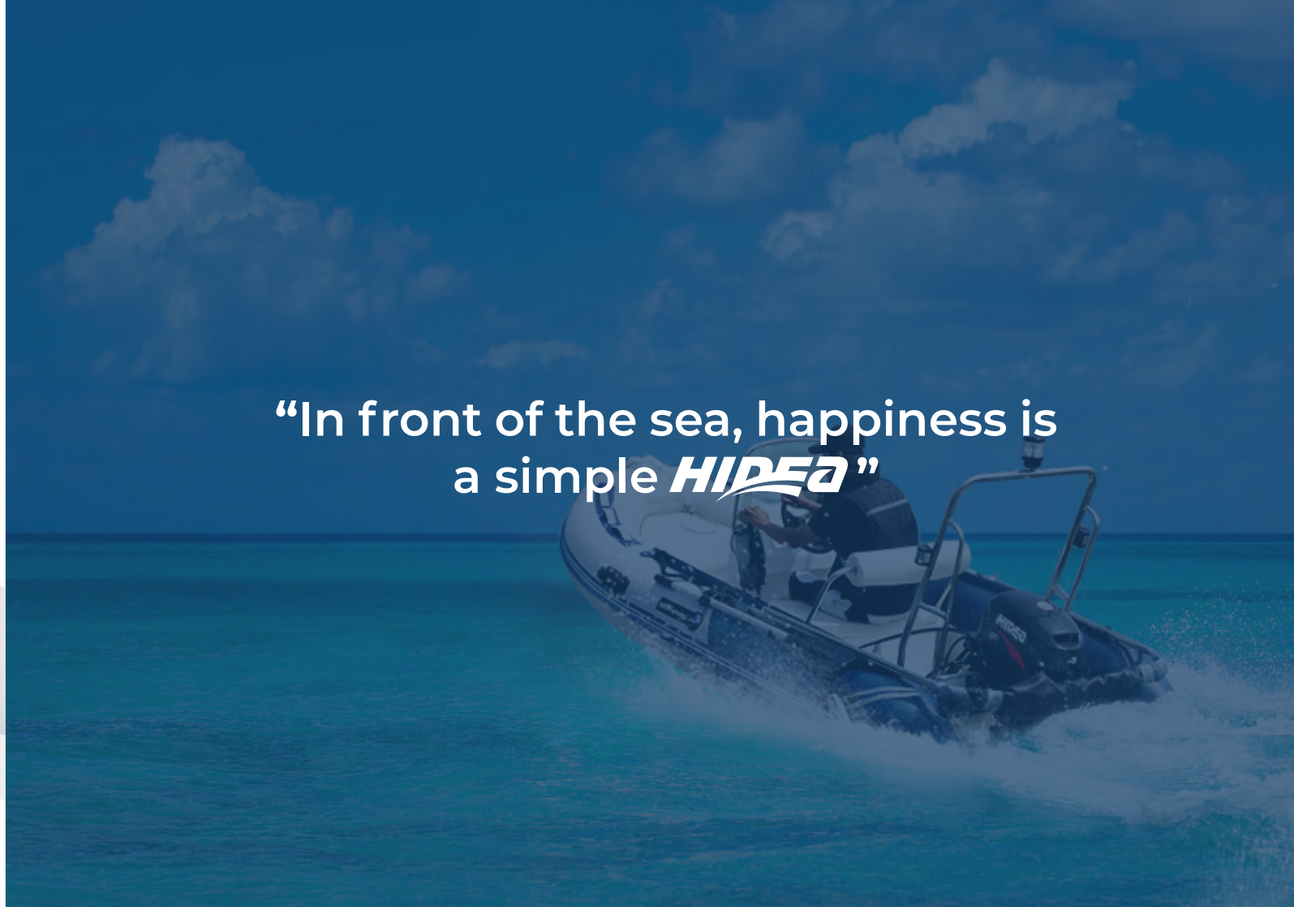


PRODUCT HDEF20

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



HDEF20HES
HDEF20HEL
HDEF20FES
HDEF20FEL





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



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



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



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



HIDEA
OUTBOARD ENGINES

PRODUCT CATALOGUE

EFI

PRODUCT CATALOGUE



HDEF115FEL - T
HDEF130FEL - 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



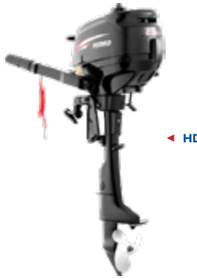
HDF6HS
HDF6HL



HDF5HS
HDF5HL



HDF4HS
HDF4HL



HDF2.5HS

H: REAR CONTROL

F: FRONT REMOTE

S: SHORT SHAFT

E: ELECTRICAL STARTER

L: LONG SHAFT

T: POWER TRIM