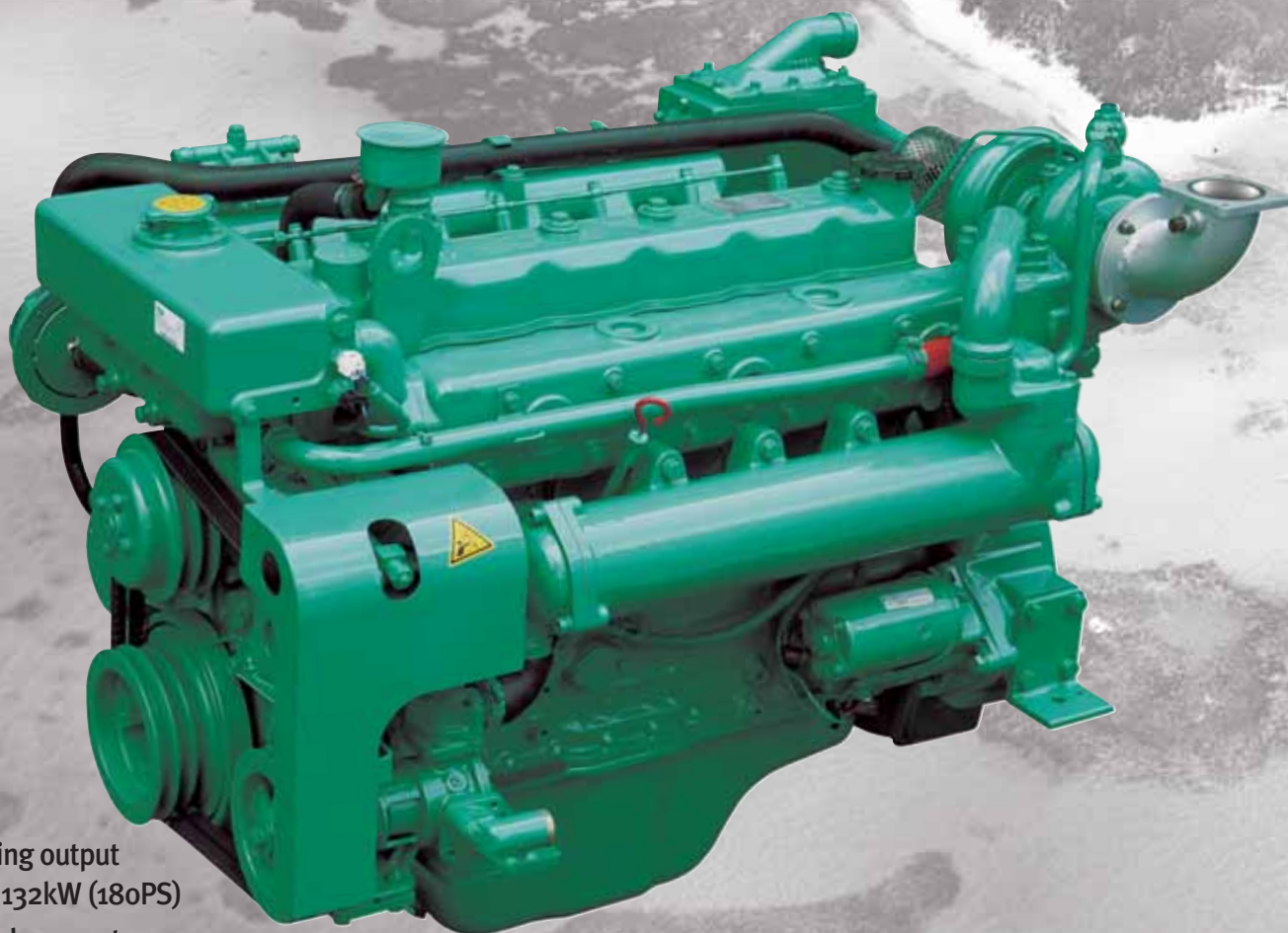




Marine Diesel Engine L066TI

- Compact Design
- Excellent Performance
- Low Fuel Consumption
- Easy Maintenance



- Rating output
 - 132kW (180PS)
- Displacement
 - 5,785cc
- Dimension (L × W × H)
 - 1,352 × 800 × 917mm
 - Without Reduction Gear

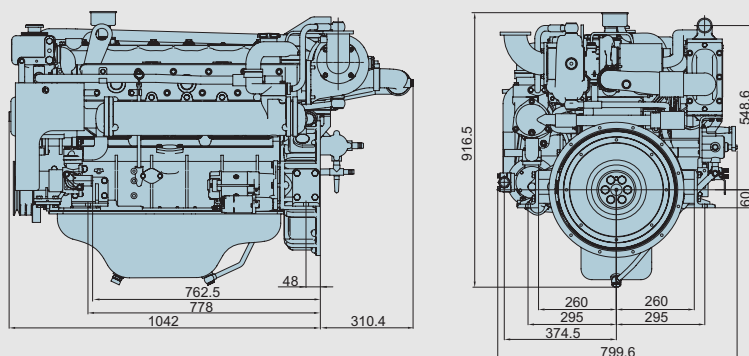
Doosan Infracore
Engine

Main Specification

Model	Units	L066TIH
Engine type		4cycle, In line, direct-injection, water cooled with turbo charger & inter-cooler
Rating output	PS(kW) / rpm	180(132) / 2,200
Displacement	c c	5,785
Cylinder number - bore x stroke	mm	6 - 102 x 118
Flywheel housing & fly wheel		SAE 3 & 11 1/2
Low idling rpm	rpm	725 ± 25
No load max. rpm	rpm	below 2,530
Compression ratio		19.5 : 1
Firing order		1 - 5 - 3 - 6 - 2 - 4
Governor type of injection pump		Mechanical all speed (R.S.V)
Fuel consumption(only Ref.)@ rated power	g / PS.h	166.8
	liter/h	35.87
Starting system		Electric Starting by starter motor
Starter motor capacity	V - kW	24 - 4.5
Alternator capacity	V - A	24 - 45
Battery	V - Ah	24 - 100
Cooling system		Indirect sea water cooling with heat exchanger
Cooling water capacity	Max. / Min.	lit 25 / 20
Fresh water pump type		Centrifugal type, driven by V-belt
Sea water pump type		Rubber impeller type driven by V-belt
Lubricating oil(Engine)	Pan capacity	lit Max : 19, Min : 14 (Engine total : 21)
	Pressure	kg/cm ² Full : 3.5, Idle : 1.2
Direction of revolution	Crankshaft	Counter clockwise viewed from stern side
Engine Size(L x W x H)	Without M/G	mm 1,352 x 800 x 917
Engine dry weight	Without M/G	kg 535

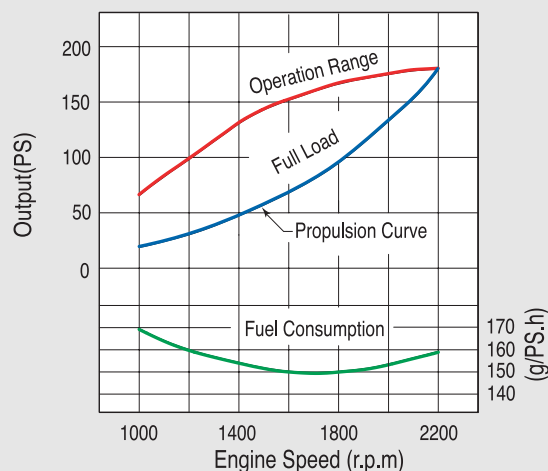
H : Heavy Duty, M : Medium Duty, L : Light Duty

Engine Dimension



Performance Curve

• Heavy duty : 132kW(180PS)@2,200rpm



Marine rating to ISO 3046

(1) Heavy Duty

- Operation hours : unlimited per year, unlimited per day
- Average load application : up to 90%
- Percentages of time at full load : up to 80%
- Typical gearbox ratio : 2.5~6

* Application : Fishing trawler, Tug boat, Pushing vessel, Cargo boat, Freighter

(2) Medium Duty

- Operation hours : up to 3,000hr per year, up to 10hrs per day
- Average load application : up to 70%
- Percentages of time at full load : up to 30%
- Typical gearbox ratio : 2~3.5

* Application : Pilot boat, Escort boat, Passenger boat, Freighter, Ferry, Cruising vessel

(3) Light Duty

- Operation hours : up to 1,000hr per year, up to 5hrs per day
- Average load application : up to 50%
- Percentages of time at full load : up to 20%
- Typical gearbox ratio : 1~2.5

* Application : Yacht, Cruising vessel, Fast boat, Fire pump

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AUTHORIZED DEALER

Doosan Infracore Engine

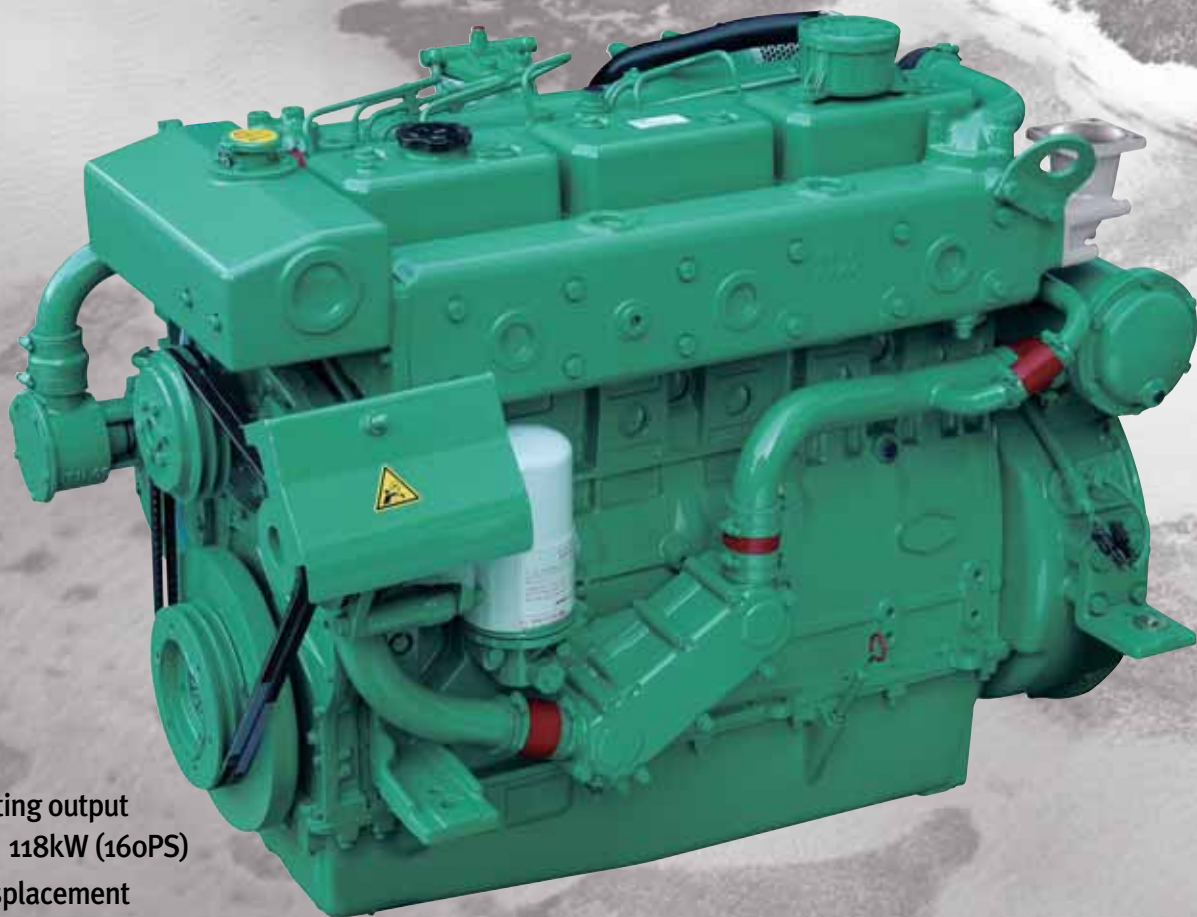
21/F, Doosan Tower, 18-12, Euljiro 6-ga,
Jung-gu, Seoul, 100-730, Korea.
Tel : 82 2 3398 8400
Fax : 82 2 3398 8509
Email : doosanmarine@doosan.com
http://engine.doosaninfracore.co.kr

* Specifications are subject to change without prior notice.



Marine Diesel Engine L136

- Compact Design
- Excellent Performance
- Low Fuel Consumption
- Easy Maintenance



- Rating output
 - 118kW (160PS)
- Displacement
 - 8,071cc
- Dimension (L×W×H)
 - 1,266×875×937mm
 - Without Reduction Gear

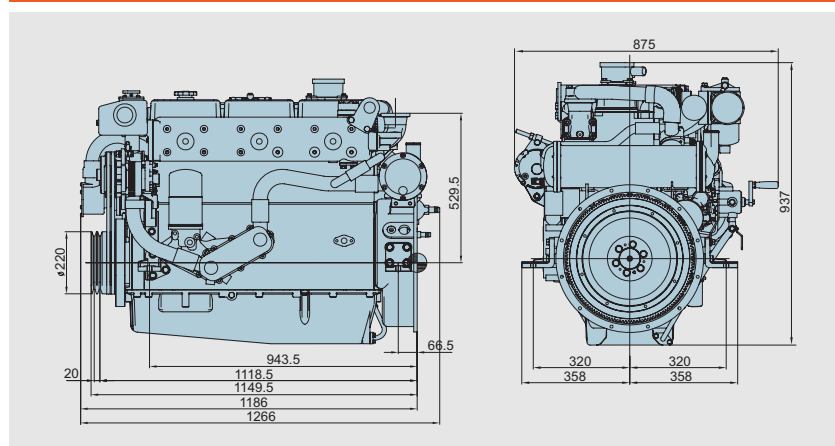
Doosan Infracore
Engine

Main Specification

Model	Units	L136
Engine type		4cycle, In line, direct-injection, water cooled aspirated naturally
Rating output	PS(kW) / rpm	160(118) / 2,200
Displacement	cc	8,071
Cylinder number - bore × stroke	mm	6 - 111 × 139
Flywheel housing & fly wheel		SAE 2 & 11 1/2
Low idling rpm	rpm	725 ± 25
No load max. rpm	rpm	below 2,530
Compression ratio		16.7 : 1
Firing order		1 - 5 - 3 - 6 - 2 - 4
Governor type of injection pump		Mechanical all speed (R.S.V)
Fuel consumption(only Ref.)@ rated power	g / PS.h	165
	Lit / h	32
Starting system		Electric Starting by starter motor
Starter motor capacity	V - kW	24 - 4.5
Alternator capacity	V - A	24 - 50
Battery	V - Ah	24 - 100
Cooling system		Indirect sea water cooling with heat exchanger
Cooling water capacity	Max. / Min.	lit 25 / 23
Fresh water pump type		Centrifugal type, driven by V-belt
Sea water pump type		Rubber impeller type driven by gear
Lubricating oil(Engine)	Pan capacity	lit Max : 23, Min : 17 (Engine total : 25)
	Pressure	kg/cm ² Full : 3.5, Idle : 1.2
Direction of revolution	Crankshaft	Counter clockwise viewed from stern side
Engine Size(L × W × H)	Without M/G	mm 1,266 × 875 × 937
Engine dry weight	Without M/G	kg 743

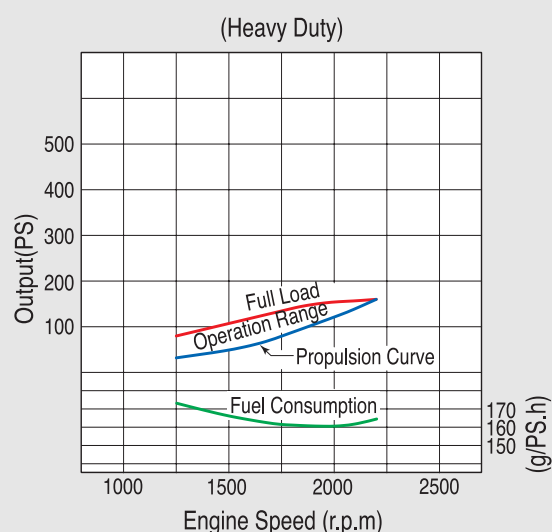
H : Heavy Duty, M : Medium Duty, L : Light Duty

Engine Dimension



Performance Curve

• Heavy duty : 118kW(160PS)@2,200rpm



Marine rating to ISO 3046

1) Heavy Duty

- Operation hours : unlimited per year, unlimited per day
- Average load application : up to 90%
- Percentages of time at full load : up to 80%
- Typical gearbox ratio : 2.5~6

* Application : Fishing trawler, Tug boat, Pushing vessel, Cargo boat, Freighter

2) Medium Duty

- Operation hours : up to 3,000hr per year, up to 10hrs per day
- Average load application : up to 70%
- Percentages of time at full load : up to 30%
- Typical gearbox ratio : 2~3.5

* Application : Pilot boat, Escort boat, Passenger boat, Freighter, Ferry, Cruising vessel

3) Light Duty

- Operation hours : up to 1,000hr per year, up to 5hrs per day
- Average load application : up to 50%
- Percentages of time at full load : up to 20%
- Typical gearbox ratio : 1~2.5

* Application : Yacht, Cruising vessel, Fast boat, Fire pump

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Doosan Infracore Engine

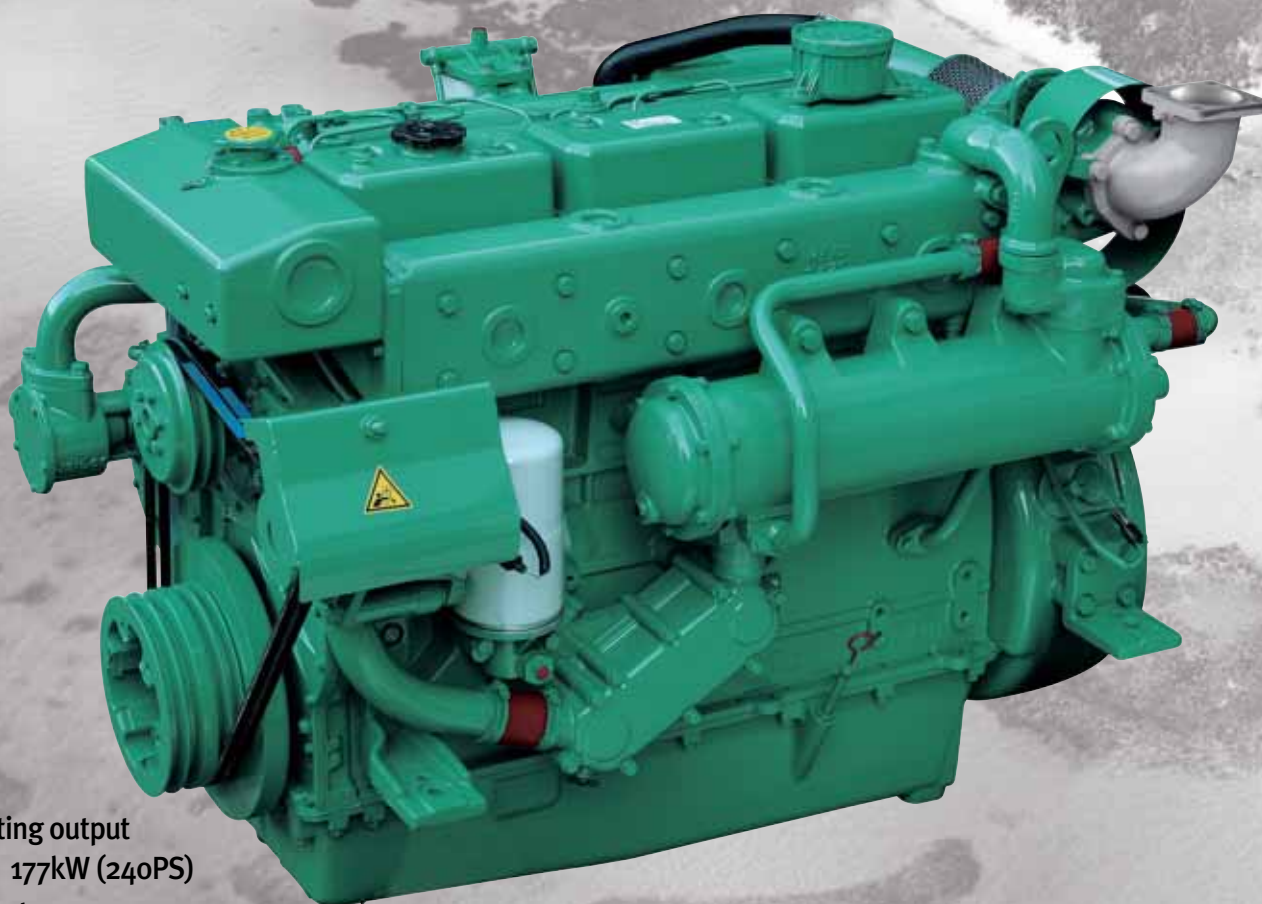
21/F, Doosan Tower, 18-12, Euljiro 6-ga,
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Tel : 82 2 3398 8400
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Email : doosanmarine@doosan.com
http://engine.doosaninfracore.co.kr

* Specifications are subject to change without prior notice.



Marine Diesel Engine L136T

- Compact Design
- Excellent Performance
- Low Fuel Consumption
- Easy Maintenance



- Rating output
 - 177kW (240PS)
- Displacement
 - 8,071cc
- Dimension (L × W × H)
 - 1,351 × 893 × 937mm
 - Without Reduction Gear

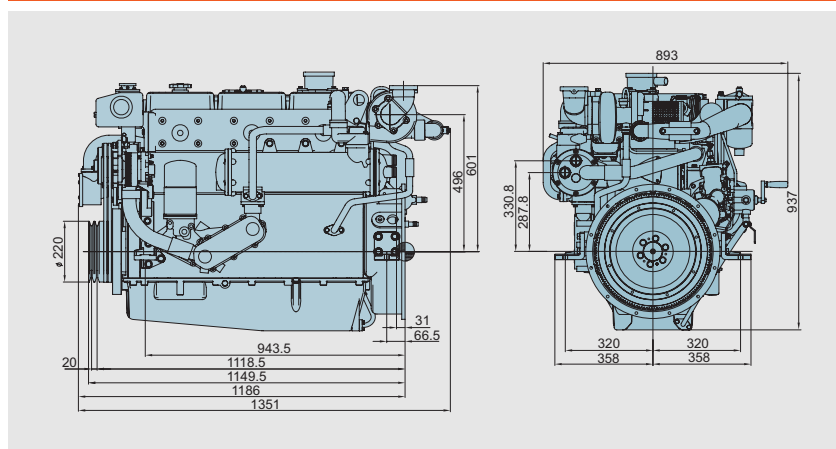
Doosan Infracore
Engine

Main Specification

Model	Units	L136T	L136TL
Engine type		4cycle, In line, direct-injection, water cooled with turbo charger	
Rating output	PS(kW)/rpm	200(147) / 2,200	240(177) / 2,500
Displacement	cc	8,071	
Cylinder number -bore x stroke	mm	6 - 111 x 139	
Flywheel housing & fly wheel		SAE 2 & 11 1/2	
Low idling rpm	rpm	725 ± 25	
No load max. rpm	rpm	below 2,530	below 2,875
Compression ratio		16.7 : 1	
Firing order		1 - 5 - 3 - 6 - 2 - 4	
Governor type of injection pump		Mechanical all speed (R.S.V)	
Fuel consumption (only Ref.)@ rated power	g / ps.h	155	167
	Lit/h	37	48
Starting system		Electric Starting by starter motor	
Starter motor capacity	V - kW	24 - 4.5	
Alternator capacity	V - A	24 - 50	
Battery	V - Ah	24 - 100	
Cooling system		Indirect sea water cooling with heat exchanger	
Cooling water capacity	Max. / Min.	lit 27 / 25	
Fresh water pump type		Centrifugal type, driven by V-belt	
Sea water pump type		Rubber impeller type driven by gear	
Lubricating oil (Engine)	Pan capacity	lit	Max : 23, Min : 17 (Engine total : 25)
	Pressure	kg/cm ²	Full : 3.5, Idle : 1.2
Direction of revolution	Crankshaft		Counter clockwise viewed from stern side
Engine Size(L x W x H)	Without M/G	mm	1,351 x 893 x 937
Engine dry weight	Without M/G	kg	748

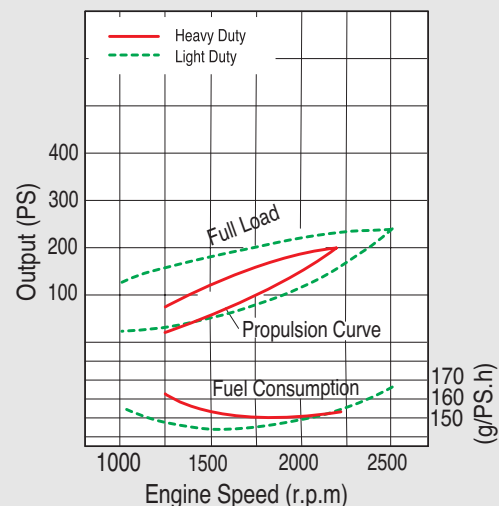
H : Heavy Duty, M : Medium Duty, L : Light Duty

Engine Dimension



Performance Curve

- Heavy duty : 147kW(200PS)@2,200rpm
- Light duty : 177kW(240PS)@2,500rpm



Marine rating to ISO 3046

1) Heavy Duty

- Operation hours : unlimited per year, unlimited per day
- Average load application : up to 90%
- Percentages of time at full load : up to 80%
- Typical gearbox ratio : 2.5~6

* Application : Fishing trawler, Tug boat, Pushing vessel, Cargo boat, Freighter

(2) Medium Duty

- Operation hours : up to 3,000hr per year, up to 10hrs per day
- Average load application : up to 70%
- Percentages of time at full load : up to 30%
- Typical gearbox ratio : 2~3.5

* Application : Pilot boat, Escort boat, Passenger boat, Freighter, Ferry, Cruising vessel

(3) Light Duty

- Operation hours : up to 1,000hr per year, up to 5hrs per day
- Average load application : up to 50%
- Percentages of time at full load : up to 20%
- Typical gearbox ratio : 1~2.5

* Application : Yacht, Cruising vessel, Fast boat, Fire pump

(Jan.2013)

Doosan Infracore Engine

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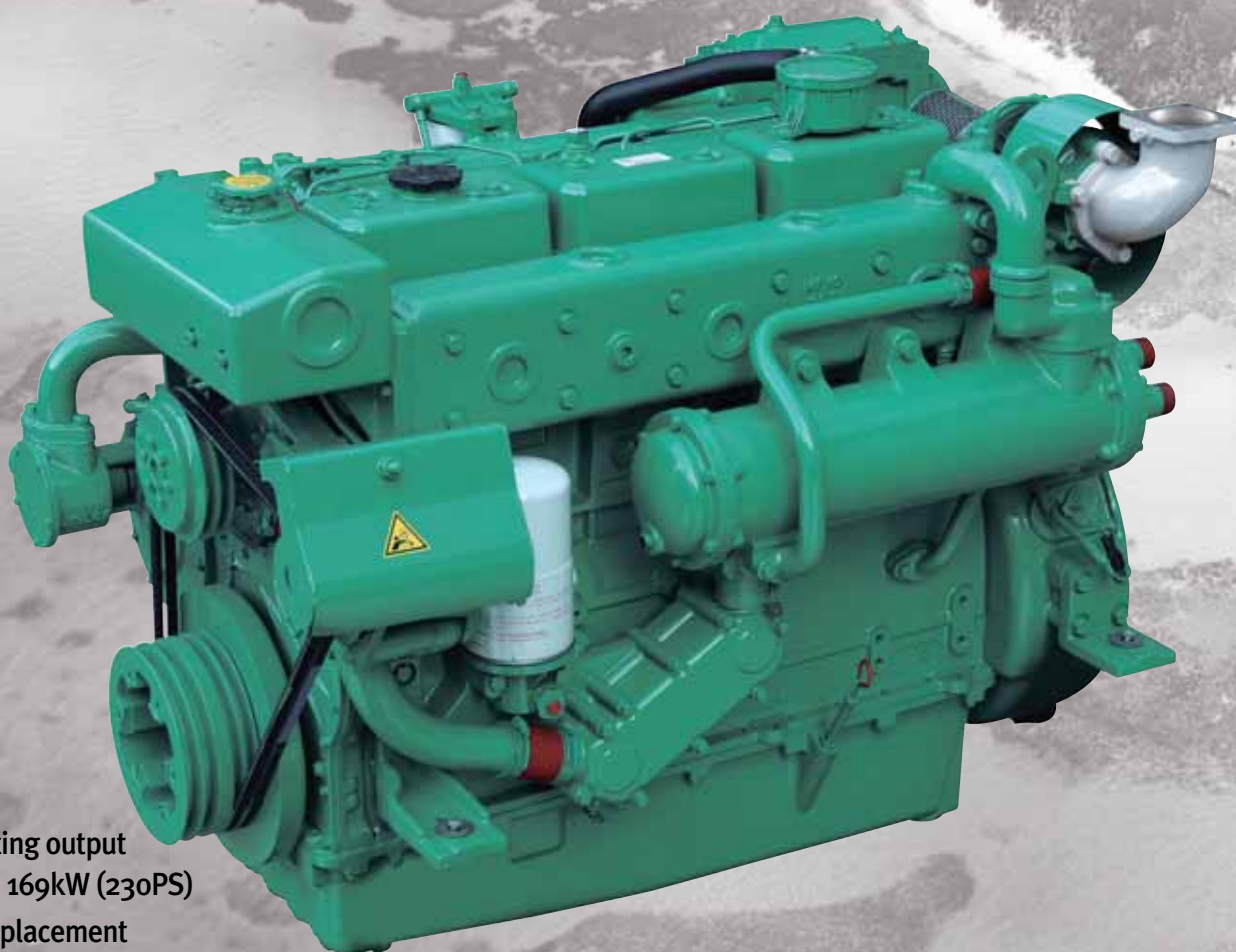
AUTHORIZED DEALER

* Specifications are subject to change without prior notice.



Marine Diesel Engine L136TI

- Compact Design
- Excellent Performance
- Low Fuel Consumption
- Easy Maintenance



- Rating output
 - 169kW (230PS)
- Displacement
 - 8,071cc
- Dimension (L × W × H)
 - 1,364 × 911 × 937mm
 - Without Reduction Gear

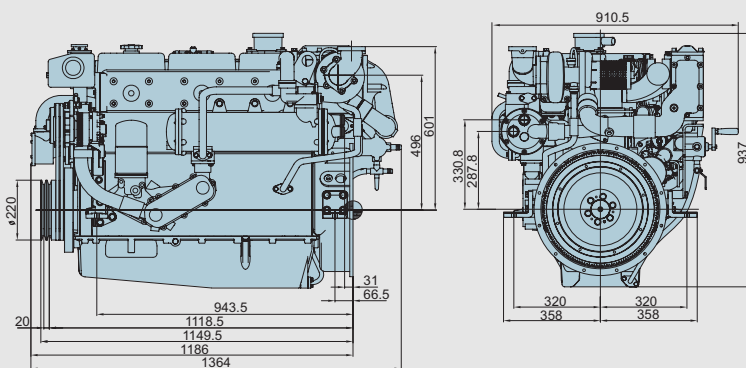
Doosan Infracore
Engine

Main Specification

Model	Units	L136TI
Engine type		4cycle, In line, direct-injection, water cooled with turbo charger & inter-cooler
Rating output	PS(kW)/rpm	230(169) / 2,200
Displacement	cc	8,071
Cylinder number -bore x stroke	mm	6 - 111 x 139
Flywheel housing & fly wheel		SAE 2 & 11 1/2
Low idling rpm	rpm	725 ± 25
No load max. rpm	rpm	below 2,530
Compression ratio		16.7 : 1
Firing order		1 - 5 - 3 - 6 - 2 - 4
Governor type of injection pump		Mechanical all speed (R.S.V)
Fuel consumption (only Ref.)@ rated power	g / ps.h	161.7
	Lit/h	44.43
Starting system		Electric Starting by starter motor
Starter motor capacity	V - kW	24 - 4.5
Alternator capacity	V - A	24 - 50
Battery	V - Ah	24 - 100
Cooling system		Indirect sea water cooling with heat exchanger
Cooling water capacity	Max. / Min.	lit 27 / 25
Fresh water pump type		Centrifugal type, driven by V-belt
Sea water pump type		Rubber impeller type, driven by gear
Lubricating oil(Engine)	Pan capacity	lit Max : 23, Min : 17 (Engine total : 25)
	Pressure	kg/cm ² Full : 3.5, Idle : 1.2
Direction of revolution	Crankshaft	Counter clockwise viewed from stern side
Engine Size(L x W x H)	Without M/G	mm 1,364 x 911 x 937
Engine dry weight	Without M/G	kg 773

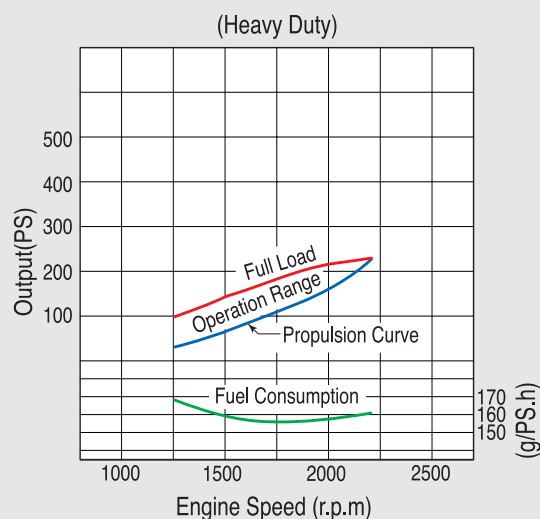
H : Heavy Duty, M : Medium Duty, L : Light Duty

Engine Dimension



Performance Curve

• Heavy duty : 169kW(230PS)@2,200rpm



Marine rating to ISO 3046

1) Heavy Duty

- Operation hours : unlimited per year, unlimited per day
- Average load application : up to 90%
- Percentages of time at full load : up to 80%
- Typical gearbox ratio : 2.5~6

* Application : Fishing trawler, Tug boat, Pushing vessel, Cargo boat, Freighter

(2) Medium Duty

- Operation hours : up to 3,000hr per year, up to 10hrs per day
- Average load application : up to 70%
- Percentages of time at full load : up to 30%
- Typical gearbox ratio : 2~3.5

* Application : Pilot boat, Escort boat, Passenger boat, Freighter, Ferry, Cruising vessel

(3) Light Duty

- Operation hours : up to 1,000hr per year, up to 5hrs per day
- Average load application : up to 50%
- Percentages of time at full load : up to 20%
- Typical gearbox ratio : 1~2.5

* Application : Yacht, Cruising vessel, Fast boat, Fire pump

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AUTHORIZED DEALER

Doosan Infracore Engine

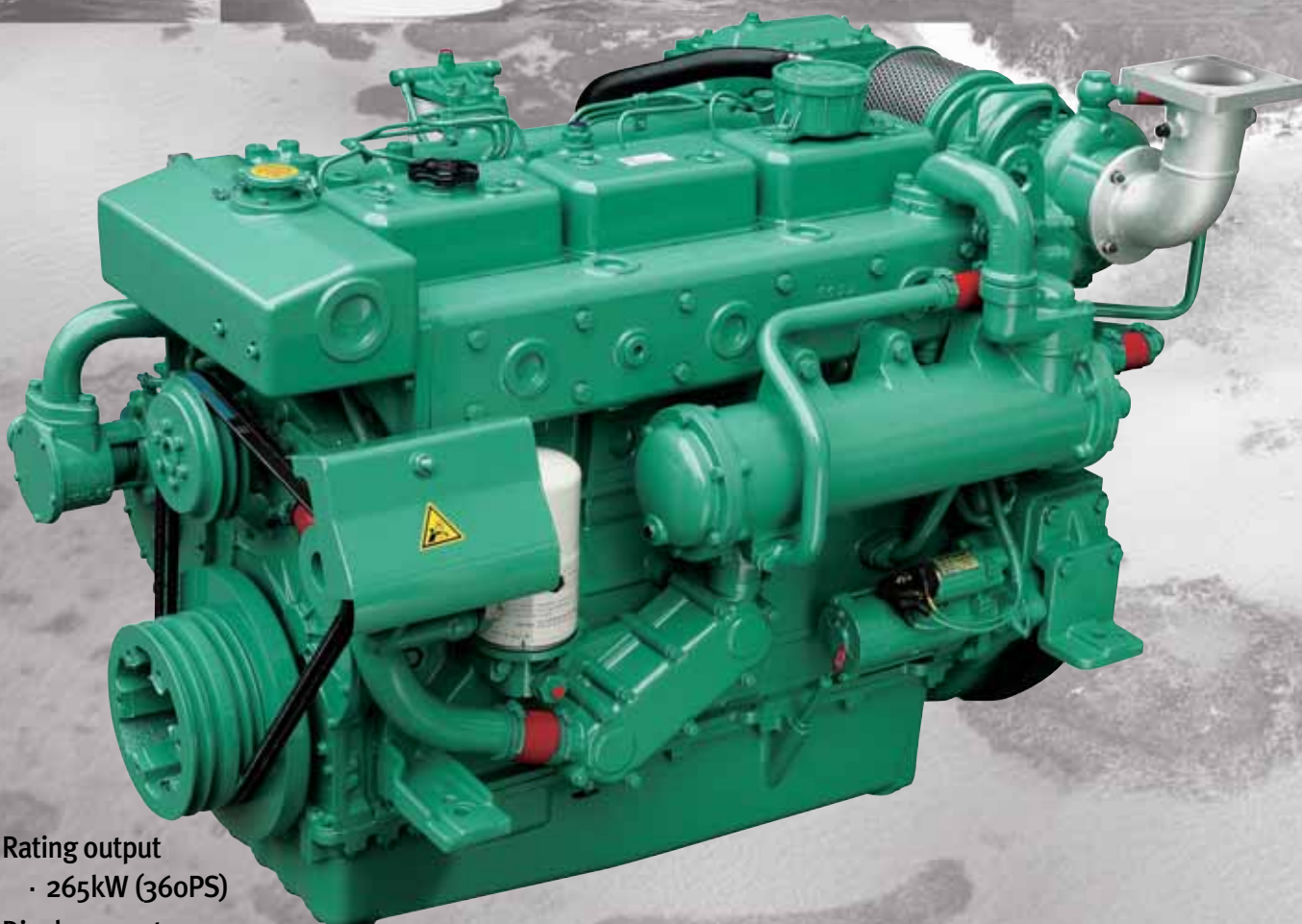
21/F, Doosan Tower, 18-12, Euljiro 6-ga,
Jung-gu, Seoul, 100-730, Korea.
Tel : 82 2 3398 8400
Fax : 82 2 3398 8509
Email : doosanmarine@doosan.com
http://engine.doosaninfracore.co.kr

* Specifications are subject to change without prior notice.



Marine Diesel Engine L086TI

- Compact Design
- Excellent Performance
- Low Fuel Consumption
- Easy Maintenance



- Rating output
 - 265kW (360PS)
- Displacement
 - 8,071cc
- Dimension (L × W × H)
 - 1,364 × 919 × 965mm
 - Without Reduction Gear

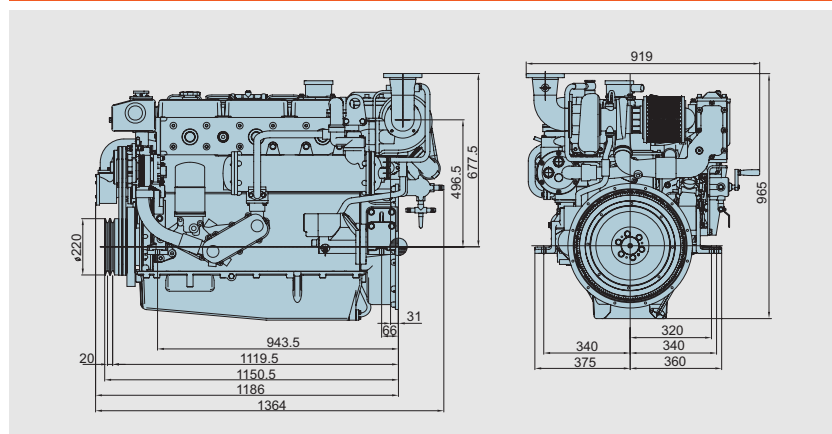
Doosan Infracore
Engine

Main Specification

Model	Units	L086TI		
		L086TIH	L086TIM	L086TIL
Engine type		4cycle, In line, direct-injection, water cooled with turbo charger & inter-cooler		
Rating output	PS(kW)/rpm	285(210)/2,100	315(232)/2,300	360(265)/2,500
Displacement	cc	8,071		
Cylinder number - bore x stroke	mm	6 - 111 x 139		
Flywheel housing & fly wheel		SAE 2 & 11 1/2		
Low idling rpm	rpm	750 ± 25		
No load max. rpm	rpm	below 2,415	below 2,645	below 2,875
Compression ratio		16.7 : 1		15.3 : 1
Firing order		1 - 5 - 3 - 6 - 2 - 4		
Governor type of injection pump		Mechanical all speed (R.S.V)		
Fuel consumption (only Ref.)@ rated power	g / ps.h	166	172.6	166.5
	liter/h	56.52	64.96	71.61
Starting system		Electric starting by starter motor		
Starter motor capacity	V - kW	24 - 4.5		
Alternator capacity	V - A	24 - 50		
Battery	V - Ah	24 - 100		
Cooling system		Indirect sea water cooling with heat exchanger		
Cooling water capacity	Max. / Min.	lit	27 / 25	
Fresh water pump type			Centrifugal type, driven by V-belt	
Sea water pump type			Rubber impeller type driven by gear	
Lubricating oil (Engine)	Pan capacity	lit	Max : 23, Min : 17 (Engine total : 25)	
	Pressure	kg/cm ²	Full : 3.5, Idle : 1.2	
Direction of revolution	Crankshaft		Counter clockwise viewed from stern side	
Engine Size(L x W x H)Without M/G		mm	1,364 x 919 x 965	
Engine dry weight	Without M/G	kg	790	

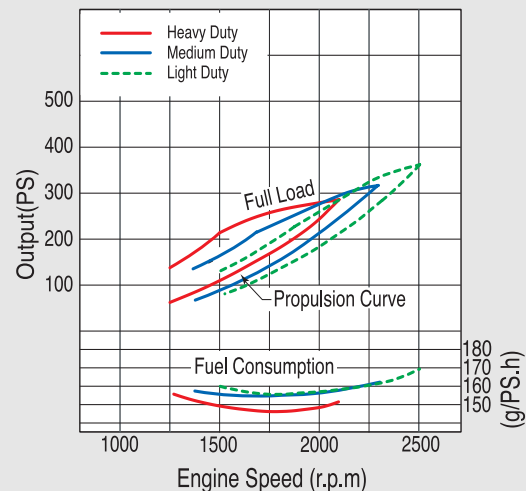
H : Heavy Duty, M : Medium Duty, L : Light Duty

Engine Dimension



Performance Curve

- Heavy duty : 210kW(285PS)@2,100rpm
- Medium duty : 232kW(315PS)@2,300rpm
- Light duty : 265kW(360PS)@2,500rpm



Marine rating to ISO 3046

1) Heavy Duty

- Operation hours : unlimited per year, unlimited per day
- Average load application : up to 90%
- Percentages of time at full load : up to 80%
- Typical gearbox ratio : 2.5~6

* Application : Fishing trawler, Tug boat, Pushing vessel, Cargo boat, Freighter

2) Medium Duty

- Operation hours : up to 3,000hr per year, up to 10hrs per day
- Average load application : up to 70%
- Percentages of time at full load : up to 30%
- Typical gearbox ratio : 2~3.5

* Application : Pilot boat, Escort boat, Passenger boat, Freighter, Ferry, Cruising vessel

3) Light Duty

- Operation hours : up to 1,000hr per year, up to 5hrs per day
- Average load application : up to 50%
- Percentages of time at full load : up to 20%
- Typical gearbox ratio : 1~2.5

* Application : Yacht, Cruising vessel, Fast boat, Fire pump

(Jan.2013)

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Doosan Infracore Engine

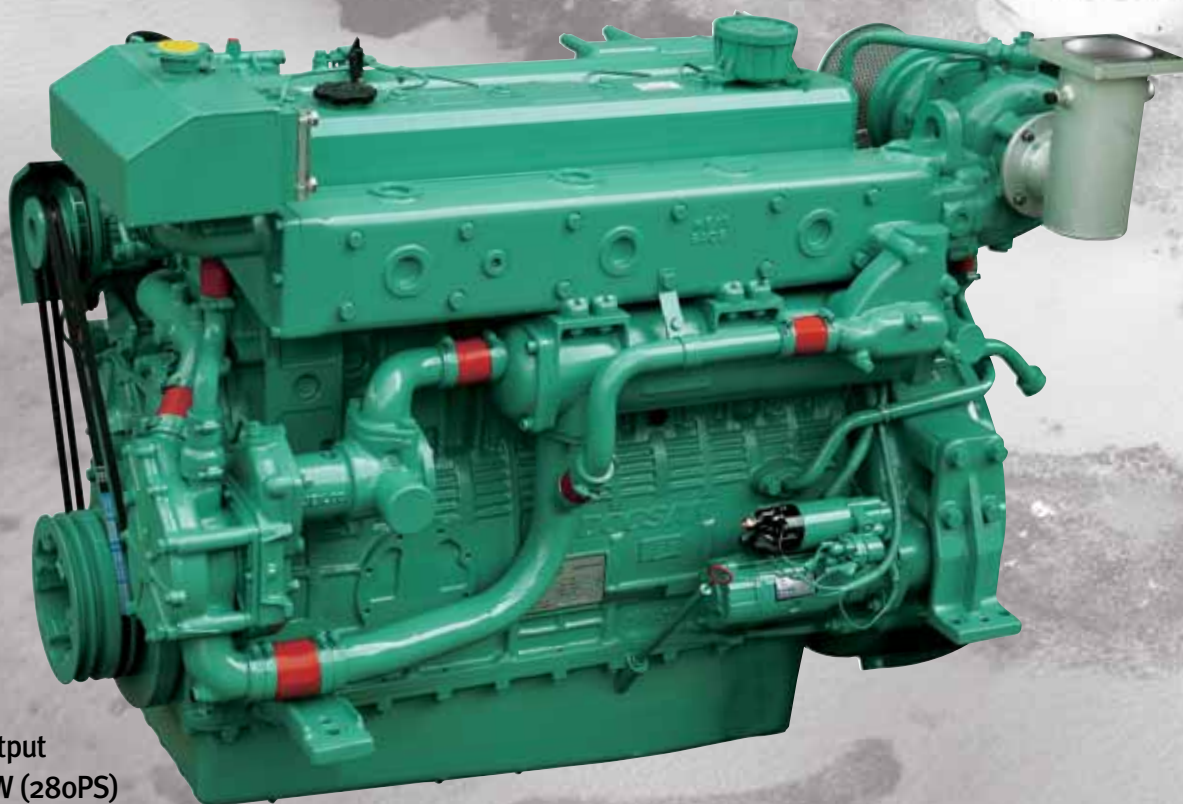
21/F, Doosan Tower, 18-12, Euljiro 6-ga,
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Tel : 82 2 3398 8400
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Email : doosanmarine@doosan.com
http://engine.doosaninfracore.co.kr

* Specifications are subject to change without prior notice.



Marine Diesel Engine MD196T

- Compact Design
- Excellent Performance
- Low Fuel Consumption
- Easy Maintenance



- Rating output
 - 206kW (280PS)
- Displacement
 - 11,051cc
- Dimension (L × W × H)
 - 1,397 × 931 × 1,077mm
 - Without Reduction Gear

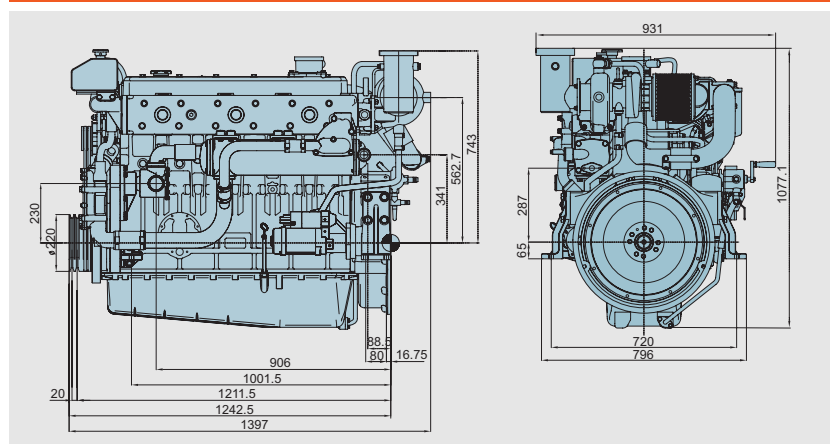
Doosan Infracore
Engine

Main Specification

Model	Units	MD196T
Engine type		4 cycle, In line, direct-injection, water cooled with turbo charger
Rating output	PS(kW)/rpm	280(206)/2,000
Displacement	cc	11,051
Cylinder number-bore × stroke	mm	6-123 × 155
Flywheel housing & fly wheel		SAE 1 & 14
Low idling rpm	rpm	725 ± 25
No load max. rpm	rpm	below 2,300
Compression ratio		17.1 : 1
Firing order		1-5-3-6-2-4
Governor type of injection pump		Mechanical variable speed (R.S.V)
Fuel consumption (only Ref.)@ rated power	g / ps.h	156
	Lit/h	49
Starting system		Electric Starting by starter motor
Starter motor capacity	V - kW	24 - 6.0
Alternator capacity	V - A	24 - 50
Battery	V - Ah	24 - 150
Cooling system		Indirect sea water cooling with heat exchanger
Cooling water capacity	Max. / Min.	lit 24 / 19
Fresh water pump type		Centrifugal type, driven by gear
Sea water pump type		Rubber impeller type driven by gear
Lubricating oil(Engine)	Pan capacity	lit Max : 25, Min : 19 (Engine total : 27)
	Pressure	kg/cm ² Full : 3.5, Idle : 1.2
Direction of revolution	Crankshaft	Counter clockwise viewed from stern side
Engine Size(L × W × H)	Without M/G	mm 1,397 × 931 × 1,077
Engine dry weight	Without M/G	kg 975

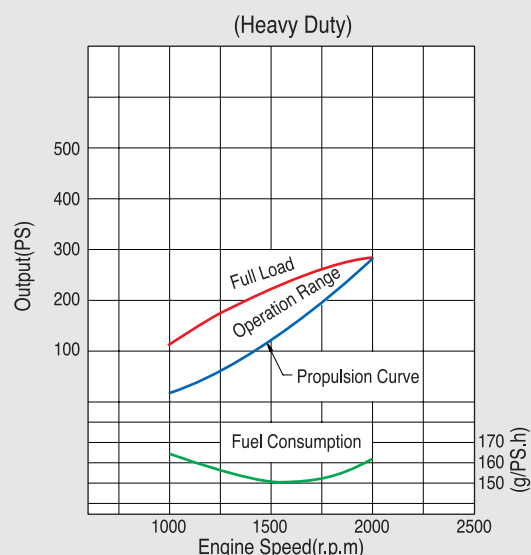
H : Heavy Duty, M : Medium Duty, L : Light Duty

Engine Dimension



Performance Curve

• Heavy duty : 206kW(280PS)@2,000rpm



Marine rating to ISO 3046

1) Heavy Duty

- Operation hours : unlimited per year, unlimited per day
- Average load application : up to 90%
- Percentages of time at full load : up to 80%
- Typical gearbox ratio : 2.5~6

* Application : Fishing trawler, Tug boat, Pushing vessel, Cargo boat, Freighter

2) Medium Duty

- Operation hours : up to 3,000hr per year, up to 10hrs per day
- Average load application : up to 70%
- Percentages of time at full load : up to 30%
- Typical gearbox ratio : 2~3.5

* Application : Pilot boat, Escort boat, Passenger boat, Freighter, Ferry, Cruising vessel

3) Light Duty

- Operation hours : up to 1,000hr per year, up to 5hrs per day
- Average load application : up to 50%
- Percentages of time at full load : up to 20%
- Typical gearbox ratio : 1~2.5

* Application : Yacht, Cruising vessel, Fast boat, Fire pump

(Jan.2013)

AUTHORIZED DEALER

**Doosan Infracore
Engine**

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Email : doosanmarine@doosan.com
http://engine.doosaninfracore.co.kr

* Specifications are subject to change without prior notice.



Marine Diesel Engine MD196TI

- Compact Design
- Excellent Performance
- Low Fuel Consumption
- Easy Maintenance



- Rating output
 - 235kW (320PS)
- Displacement
 - 11,051cc
- Dimension (L × W × H)
 - 1,397 × 933 × 1,077mm
 - Without Reduction Gear

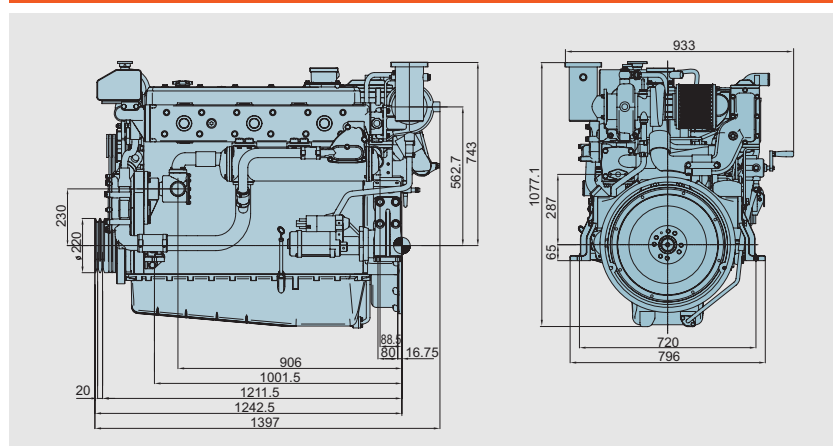
Doosan Infracore
Engine

Main Specification

Model	Units	MD196TI
Engine type		4cycle, In line, direct-injection, water cooled with turbo charger & inter - cooler
Rating output	PS(kW) / rpm	320(235) / 2,000
Displacement	cc	11,051
Cylinder number - bore × stroke	mm	6 - 123 × 155
Flywheel housing & fly wheel		SAE 1 & 14
Low idling rpm	rpm	725 ± 50
No load max. rpm	rpm	below 2,300
Compression ratio		16.5 : 1
Firing order		1 - 5 - 3 - 6 - 2 - 4
Governor type of injection pump		Mechanical variable speed (R.S.V)
Fuel consumption(only Ref.)@ rated power	g / PS.h	153.3
	Lit / h	58.61
Starting system		Electric Starting by starter motor
Starter motor capacity	V - kW	24 - 6.0
Alternator capacity	V - A	24 - 50
Battery	V - Ah	24 - 150
Cooling system		Indirect sea water cooling with heat exchanger
Cooling water capacity	Max. / Min.	lit 24 / 19
Fresh water pump type		Centrifugal type, driven by gear
Sea water pump type		Rubber impeller type driven by gear
Lubricating oil(Engine)	Pan capacity	lit Max : 25, Min : 19 (Engine total : 27)
	Pressure	kg/cm ² Full : 3.5, Idle : 1.2
Direction of revolution	Crankshaft	Counter clockwise viewed from stern side
Engine Size(L × W × H)	Without M/G	mm 1,397 × 933 × 1,077
Engine dry weight	Without M/G	kg 1,009

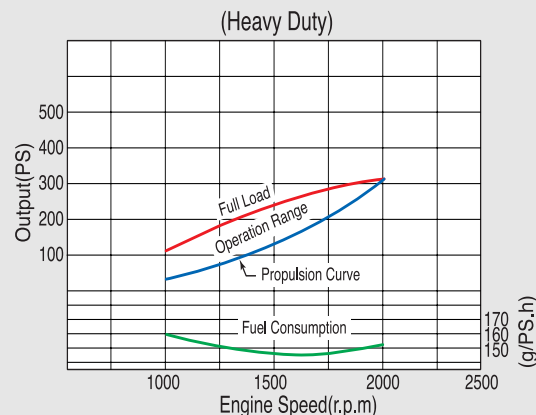
H : Heavy Duty, M : Medium Duty, L : Light Duty

Engine Dimension



Performance Curve

- Heavy duty : 235kW(320PS)@2,000rpm



Marine rating to ISO 3046

1) Heavy Duty

- Operation hours : unlimited per year, unlimited per day
- Average load application : up to 90%
- Percentages of time at full load : up to 80%
- Typical gearbox ratio : 2.5~6

* Application : Fishing trawler, Tug boat, Pushing vessel, Cargo boat, Freighter

2) Medium Duty

- Operation hours : up to 3,000hr per year, up to 10hrs per day
- Average load application : up to 70%
- Percentages of time at full load : up to 30%
- Typical gearbox ratio : 2~3.5

* Application : Pilot boat, Escort boat, Passenger boat, Freighter, Ferry, Cruising vessel

3) Light Duty

- Operation hours : up to 1,000hr per year, up to 5hrs per day
- Average load application : up to 50%
- Percentages of time at full load : up to 20%
- Typical gearbox ratio : 1~2.5

* Application : Yacht, Cruising vessel, Fast boat, Fire pump

(Jan.2013)

AUTHORIZED DEALER

Doosan Infracore Engine

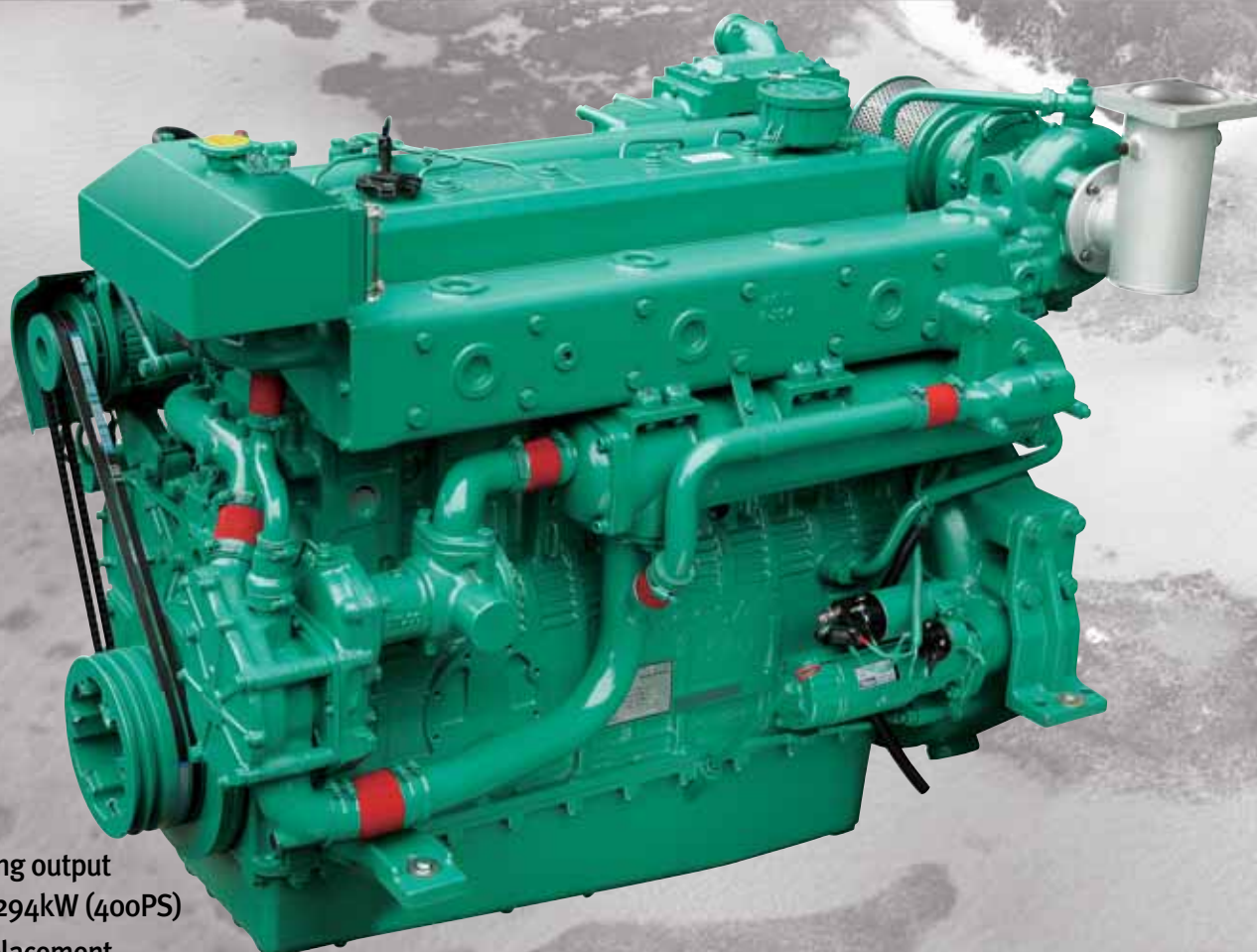
21/F, Doosan Tower, 18-12, Euljiro 6-ga,
Jung-gu, Seoul, 100-730, Korea.
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Email : doosanmarine@doosan.com
http://engine.doosaninfracore.co.kr

* Specifications are subject to change without prior notice.



Marine Diesel Engine L126TI

- Compact Design
- Excellent Performance
- Low Fuel Consumption
- Easy Maintenance



- Rating output
 - 294kW (400PS)
- Displacement
 - 11,051cc
- Dimension (L × W × H)
 - 1,414 × 933 × 1,077mm
 - Without Reduction Gear

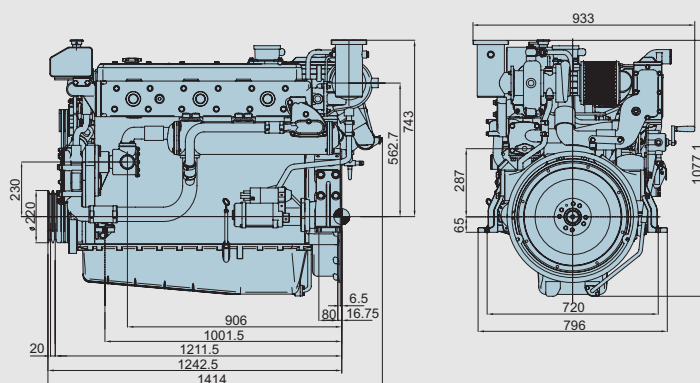
Doosan Infracore
Engine

Main Specification

Model	Units	L126TI	
		L126TIH	L126TIM
Engine type		4cycle, In line, direct-injection, water cooled with turbo charger & inter-cooler	
Rating output	PS(kW) / rpm	360(265) / 2,000	400(294) / 2,100
Displacement	c c	11,051	
Cylinder number - bore x stroke	mm	6 - 123 x 155	
Flywheel housing & fly wheel		SAE 1 & 14	
Low idling rpm	rpm	725 ± 25	
No load max. rpm	rpm	below 2,300	below 2,415
Compression ratio		17 : 1	
Firing order		1 - 5 - 3 - 6 - 2 - 4	
Governor type of injection pump		Mechanical variable speed (R.S.V)	
Fuel consumption(only Ref.)@ rated power	g / PS.h	153.3	161
	lit / h	65.94	76.94
Starting system		Electric Starting by starter motor	
Starter motor capacity	V - kW	24 - 6.0	
Alternator capacity	V - A	24 - 50	
Battery	V - Ah	24 - 150	
Cooling system		Indirect sea water cooling with heat exchanger	
Cooling water capacity	Max. / Min.	lit 24 / 19	
Fresh water pump type		Centrifugal type, driven by gear	
Sea water pump type		Rubber impeller type driven by gear	
Lubricating oil(Engine)	Pan capacity	lit	Max : 25, Min : 19 (Engine total : 27)
	Pressure	kg/cm ²	Full : 3.5, Idle : 1.2
Direction of revolution	Crankshaft	Counter clockwise viewed from stern side	
Engine size(L x W x H)	Without M/G	mm	1,414 x 933 x 1,077
Engine dry weight	Without M/G	kg	1,060

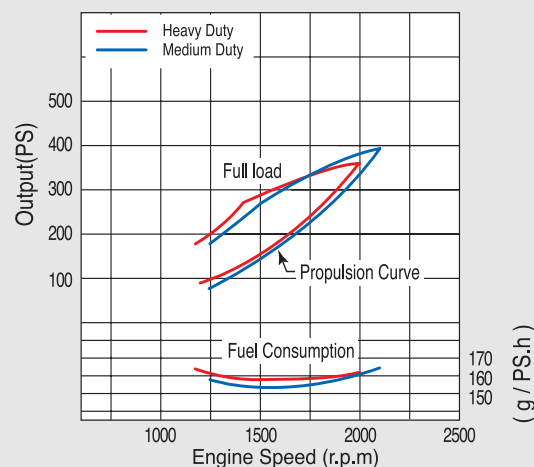
H : Heavy Duty, M : Medium Duty, L : Light Duty

Engine Dimension



Performance Curve

- Heavy duty : 265kW(360PS)@2,000rpm
- Medium duty : 294kW(400PS)@2,100rpm



Marine rating to ISO 3046

1) Heavy Duty

- Operation hours : unlimited per year, unlimited per day
- Average load application : up to 90%
- Percentages of time at full load : up to 80%
- Typical gearbox ratio : 2.5~6

* Application : Fishing trawler, Tug boat, Pushing vessel, Cargo boat, Freighter

2) Medium Duty

- Operation hours : up to 3,000hr per year, up to 10hrs per day
- Average load application : up to 70%
- Percentages of time at full load : up to 30%
- Typical gearbox ratio : 2~3.5

* Application : Pilot boat, Escort boat, Passenger boat, Freighter, Ferry, Cruising vessel

3) Light Duty

- Operation hours : up to 1,000hr per year, up to 5hrs per day
- Average load application : up to 50%
- Percentages of time at full load : up to 20%
- Typical gearbox ratio : 1~2.5

* Application : Yacht, Cruising vessel, Fast boat, Fire pump

(Jan.2013)

AUTHORIZED DEALER

Doosan Infracore Engine

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* Specifications are subject to change without prior notice.



Marine Diesel Engine V158TI

- Compact Design
- Excellent Performance
- Low Fuel Consumption
- Easy Maintenance



- Rating output
 - 500kW (680PS)
- Displacement
 - 14,618cc
- Dimension (L × W × H)
 - 1,657 × 1,226 × 1,397mm
 - Without Reduction Gear

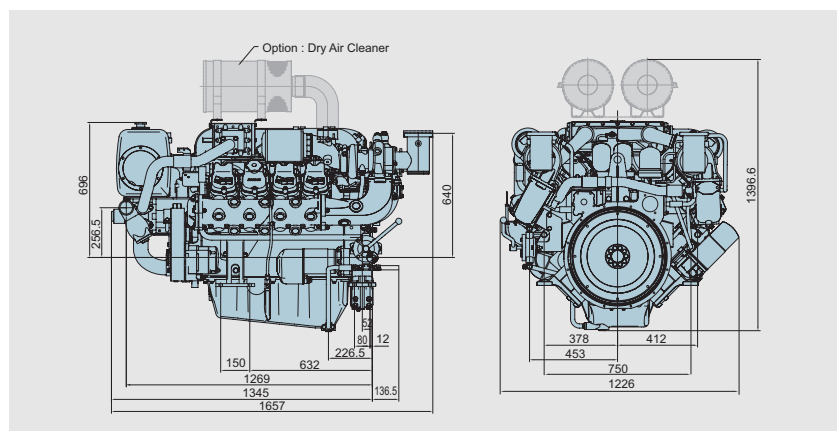
**Doosan Infracore
Engine**

Main Specification

Model		Units	V158TI		
			V158TIH	V158TIM	V158TIL
Engine type			4cycle, V type, direct-injection, water cooled with turbo charger & inter-cooler		
Rating output		PS(kW) / r p m	480(353)/1,800	540(397)/ 2,100	680(500)/ 2,300
Displacement		c c	14,618		
Cylinder number - bore x stroke		mm	8 -128× 142		
Flywheel housing & fly wheel			SAE 1 & 14		
Low idling rpm		r p m	725 ± 25		
No load max. rpm		r p m	below 2,070	below 2,415	below 2,645
Compression ratio			15 : 1		14.6 : 1
Firing order			1 - 5 -7 - 2 - 6 - 3 - 4 - 8		
Governor type of injection pump			Mechanical variable speed (R.Q.V)		
Fuel consumption(only Ref.)@ rated power		g / PS.h	163.5	169.7	185.4
		Lit / h	93.76	109.48	177.20
Starting system			Electric Starting by starter motor		
Starter motor capacity		V - kW	24 - 6.6		
Alternator capacity		V - A	24 - 50		
Battery		V - Ah	24 - 200		
Cooling system			Indirect sea water cooling with heat exchanger		
Cooling water capacity	Max. / Min.	lit	89 / 78		
Fresh water pump type			Centrifugal type, driven by belt		
Sea water pump type			Bronze impeller type driven by belt		
Lubricating oil(Engine)	Pan capacity	lit	Max : 31, Min : 25 (Engine total : 35)		
	Pressure	kg/cm²	Full : 3.5, Idle : 1.2		
Direction of revolution	Crankshaft		Counter clockwise viewed from stern side		
Engine Size(L × W × H)	Without M/G	mm	1,657 × 1,226 × 1,397		
Engine dry weight	Without M/G	kg	1,350		1,435

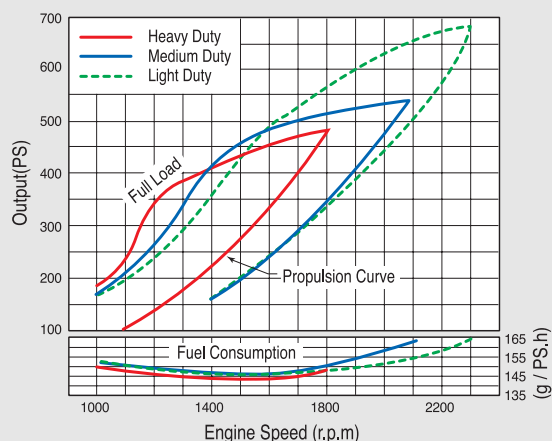
H : Heavy Duty, M : Medium Duty, L : Light Duty

Engine Dimension



Performance Curve

- Heavy duty : 353kW(480PS)@1,800rpm
- Medium duty : 397kW(540PS)@2,100rpm
- Light duty : 500kW(680PS)@2,300rpm



Marine rating to ISO 3046

1) Heavy Duty

- Operation hours : unlimited per year, unlimited per day
- Average load application : up to 90%
- Percentages of time at full load : up to 80%
- Typical gearbox ratio : 2.5~6

* Application : Fishing trawler, Tug boat, Pushing vessel, Cargo boat, Freighter

2) Medium Duty

- Operation hours : up to 3,000hr per year, up to 10hrs per day
- Average load application : up to 70%
- Percentages of time at full load : up to 30%
- Typical gearbox ratio : 2~3.5

* Application : Pilot boat, Escort boat, Passenger boat, Freighter, Ferry, Cruising vessel

3) Light Duty

- Operation hours : up to 1,000hr per year, up to 5hrs per day
- Average load application : up to 50%
- Percentages of time at full load : up to 20%
- Typical gearbox ratio : 1~2.5

* Application : Yacht, Cruising vessel, Fast boat, Fire pump

(Jan.2013)

AUTHORIZED DEALER

Doosan Infracore Engine

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http://engine.doosaninfracore.co.kr

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Marine Diesel Engine V180TI

- Compact Design
- Excellent Performance
- Low Fuel Consumption
- Easy Maintenance



- Rating output
 - 603kW (820PS)
- Displacement
 - 18,273cc
- Dimension (L × W × H)
 - 1,815 × 1,227 × 1,576mm
 - Without Reduction Gear

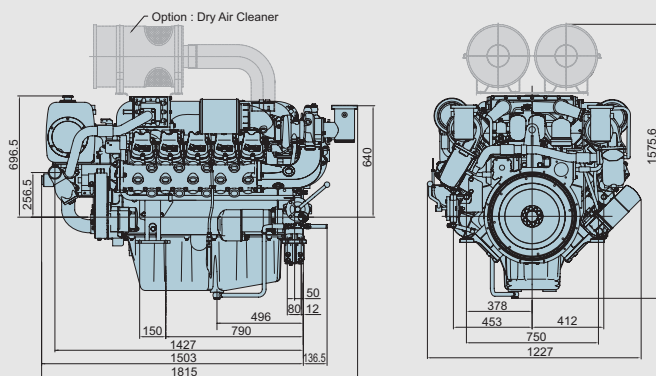
**Doosan Infracore
Engine**

Main Specification

Model	Units	V180TI		
		V180TIH	V180TIM	V180TIL
Engine type		4cycle, V type, direct-injection, water cooled with turbo charger & inter-cooler		
Rating output	PS(kW) / rpm	600(441) / 1,800	650(478) / 2,100	820(603) / 2,300
Displacement	c c	18,273		
Cylinder number - bore × stroke	mm	10 - 128 × 142		
Flywheel housing & fly wheel		SAE 1 & 14		
Low idling rpm	rpm	725 ± 25		
No load max. rpm	rpm	below 2,070	below 2,415	below 2,645
Compression ratio		15 : 1		14.6 : 1
Firing order		1 - 6 - 5 - 10 - 2 - 7 - 3 - 8 - 4 - 9		
Governor type of injection pump		Mechanical variable speed (R.Q.V)		
Fuel consumption(only Ref.)@ rated power	g / PS.h	156.2	167.5	176.6
	Lit / h	111.97	130.08	173.01
Starting system		Electric Starting by starter motor		
Starter motor capacity	V - kW	24 - 6.6		
Alternator capacity	V - A	24 - 50		
Battery	V - Ah	24 - 200		
Cooling system		Indirect sea water cooling with heat exchanger		
Cooling water capacity	Max. / Min.	lit 92 / 81		
Fresh water pump type		Centrifugal type, driven by belt		
Sea water pump type		Bronze impeller type driven by belt		
Lubricating oil(Engine)	Pan capacity	lit	Max : 35, Min : 28 (Engine total : 38)	
	Pressure	kg/cm ²	Full : 3.5, Idle : 1.2	
Direction of revolution	Crankshaf		Counter clockwise viewed from stern side	
Engine Size(L × W × H)	Without M/G	mm	1,815 × 1,227 × 1,576	
Engine dry weight	Without M/G	kg	1,550	1,630

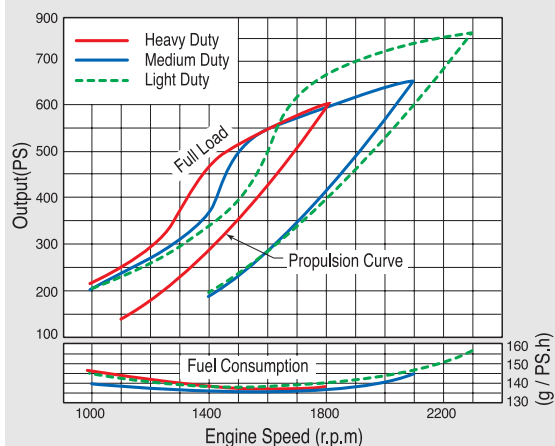
H : Heavy Duty, M : Medium Duty, L : Light Duty

Engine Dimension



Performance Curve

- Heavy duty : 441kW(600PS)@1,800rpm
- Medium duty: 478kW(650PS)@2,100rpm
- Light duty : 603kW(820PS)@2,300rpm



Marine rating to ISO 3046

1) Heavy Duty

- Operation hours : unlimited per year, unlimited per day
- Average load application : up to 90%
- Percentages of time at full load : up to 80%
- Typical gearbox ratio : 2.5~6

* Application : Fishing trawler, Tug boat, Pushing vessel, Cargo boat, Freighter

2) Medium Duty

- Operation hours : up to 3,000hr per year, up to 10hrs per day
- Average load application : up to 70%
- Percentages of time at full load : up to 30%
- Typical gearbox ratio : 2~3.5

* Application : Pilot boat, Escort boat, Passenger boat, Freighter, Ferry, Cruising vessel

3) Light Duty

- Operation hours : up to 1,000hr per year, up to 5hrs per day
- Average load application : up to 50%
- Percentages of time at full load : up to 20%
- Typical gearbox ratio : 1~2.5

* Application : Yacht, Cruising vessel, Fast boat, Fire pump

(Jan.2013)

AUTHORIZED DEALER

Doosan Infracore Engine

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http://engine.doosaninfracore.co.kr

* Specifications are subject to change without prior notice.



Marine Diesel Engine V222TI

- Compact Design
- Excellent Performance
- Low Fuel Consumption
- Easy Maintenance



- Rating output
 - 736kW (1,000PS)
- Displacement
 - 21,927cc
- Dimension (L × W × H)
 - 1,973 × 1,233 × 1,606mm
 - Without Reduction Gear

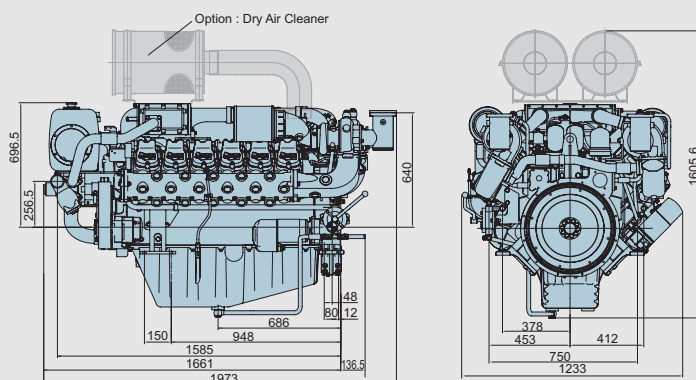
Doosan Infracore
Engine

Main Specification

Model	Units	V222TI		
		V222TIH	V222TIM	V222TIL
Engine type		4cycle, V type, direct-injection, water cooled with turbo charger & inter-cooler		
Rating output	PS(kW) / rpm	720(530) / 1,800	800(588) / 2,100	1,000(736) / 2,300
Displacement	c c	21,927		
Cylinder number - bore × stroke	mm	12 - 128 × 142		
Flywheel housing & fly wheel		SAE 1 & 14		
Low idling rpm	rpm	725 ± 25		
No load max. rpm	rpm	below 2,070	below 2,415	below 2,645
Compression ratio		15 : 1		14.6 : 1
Firing order		1 - 12 - 5 - 8 - 3 - 10 - 6 - 7 - 2 - 11 - 4 - 9		
Governor type of injection pump		Mechanical variable speed (R.Q.V)		
Fuel consumption(only Ref.)@ rated power	g / PS.h	159.2	167.3	176.9
	Lit / h	136.95	159.90	211.35
Starting system		Electric Starting by starter motor		
Starter motor capacity	V - kW	24 - 6.6		
Alternator capacity	V - A	24 - 50		
Battery	V - Ah	24 - 200		
Cooling system		Indirect sea water cooling with heat exchanger		
Cooling water capacity	Max. / Min.	lit 98 / 87		
Fresh water pump type		Centrifugal type, driven by belt		
Sea water pump type		Bronze impeller type driven by belt		
Lubricating oil(Engine)	Pan capacity	lit	Max : 40, Min : 33 (Engine total : 43)	
	Pressure	kg/cm ²	Full : 3.5, Idle : 1.2	
Direction of revolution	Crankshaft		Counter clockwise viewed from stern side	
Engine Size(L × W × H)	Without M/G	mm	1,973 × 1,233 × 1,606	
Engine dry weight	Without M/G	kg	1,750	1,830

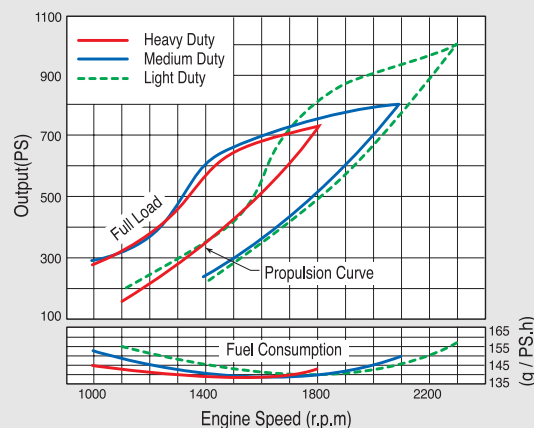
H : Heavy Duty, M : Medium Duty, L : Light Duty

Engine Dimension



Performance Curve

- Heavy duty : 530kW(720PS)@1,800rpm
- Medium duty : 588kW(800PS)@2,100rpm
- Light duty : 736kW(1,000PS)@2,300rpm



Marine rating to ISO 3046

1) Heavy Duty

- Operation hours : unlimited per year, unlimited per day
- Average load application : up to 90%
- Percentages of time at full load : up to 80%
- Typical gearbox ratio : 2.5~6
- * Application : Fishing trawler, Tug boat, Pushing vessel, Cargo boat, Freighter

2) Medium Duty

- Operation hours : up to 3,000hr per year, up to 10hrs per day
- Average load application : up to 70%
- Percentages of time at full load : up to 30%
- Typical gearbox ratio : 2~3.5
- * Application : Pilot boat, Escort boat, Passenger boat, Freighter, Ferry, Cruising vessel

3) Light Duty

- Operation hours : up to 1,000hr per year, up to 5hrs per day
- Average load application : up to 50%
- Percentages of time at full load : up to 20%
- Typical gearbox ratio : 1~2.5
- * Application : Yacht, Cruising vessel, Fast boat, Fire pump

(Jan.2013)

Doosan Infracore Engine

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AUTHORIZED DEALER

* Specifications are subject to change without prior notice.



Marine Diesel Engine 4V158TI

- Compact Design
- Excellent Performance
- Low Fuel Consumption
- Easy Maintenance



- Rating output
 - 588kW (800PS)
- Displacement
 - 14,618 cc
- Dimension (L × W × H)
 - 1,558 × 1,237 × 1,334 mm
 - Without Reduction Gear

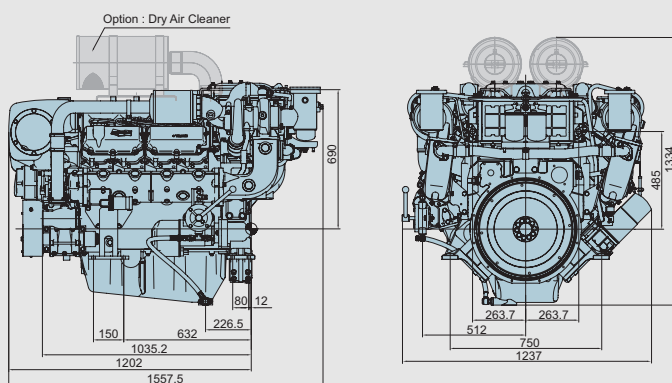
**Doosan Infracore
Engine**

Main Specification

Model	Units	4V158TI		
		4V158TIH	4V158TIM	4V158TIL
Engine type		4 valve, 4 cycle, V type, direct-injection, water cooled with turbo charger & inter-cooler		
Rating output	PS(kW) / rpm	530(390)/1,800	600(441)/2,100	800(588)/2,300
Displacement	c c	14,618		
Cylinder number - bore × stroke	mm	8 - φ128 × 142		
Flywheel housing & fly wheel		SAE 1 & 14		
Low idling rpm	rpm	725 ± 25		
No load max. rpm	rpm	below 2,070	below 2,415	below 2,645
Compression ratio		14.3 : 1		
Firing order		1 - 5 - 7 - 2 - 6 - 3 - 4 - 8		
Governor type of injection pump		Mechanical variable speed (R.Q.V)		
Fuel consumption(only Ref.)@ rated power	g / PS.h	160.4	168	180.6
	Lit / h	101.57	120.43	172.62
Starting system		Electric Starting by starter motor		
Starter motor capacity	V - kW	24 - 6.6		
Alternator capacity	V - A	24 - 55		
Battery	V - Ah	24 - 200		
Cooling system		Indirect sea water cooling with heat exchanger		
Cooling water capacity	Max. / Min.	lit 94 / 83		
Fresh water pump type		Centrifugal type, driven by belt		
Sea water pump type		Bronze impeller type driven by belt		
Lubricating oil(Engine)	Pan capacity	lit	Max : 31, Min : 25 (Engine total : 35)	
	Pressure	kg/cm ²	Full : 3.5, Idle : 1.2	
Direction of revolution	Crankshaf		Counter clockwise viewed from stern side	
Engine Size(L × W × H)	Without M/G	mm	1,558 × 1,237 × 1,334	
Engine dry weight	Without M/G	kg	1,540	1,580

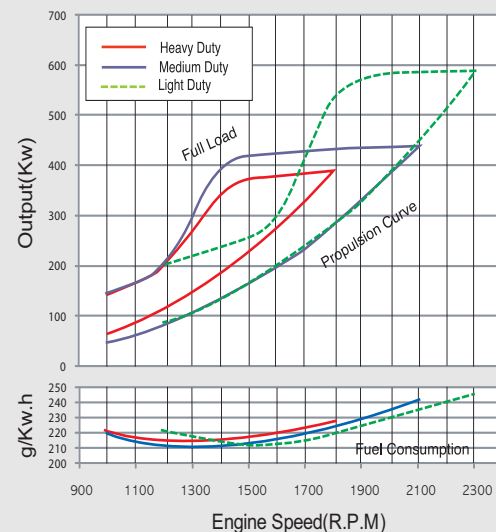
H : Heavy Duty, M : Medium Duty, L : Light Duty

Engine Dimension



Performance Curve

- Heavy duty : 390kW(530PS)@1,800rpm
- Medium duty : 441kW(600PS)@2,100rpm
- Light duty : 588kW(800PS)@2,300rpm



Marine rating to ISO 3046

1) Heavy Duty

- Operation hours : unlimited per year, unlimited per day
- Average load application : up to 90%
- Percentages of time at full load : up to 80%
- Typical gearbox ratio : 2.5~6

* Application : Fishing trawler, Tug boat, Pushing vessel, Cargo boat, Freighter

(2) Medium Duty

- Operation hours : up to 3,000hr per year, up to 10hrs per day
- Average load application : up to 70%
- Percentages of time at full load : up to 30%
- Typical gearbox ratio : 2~3.5

* Application : Pilot boat, Escort boat, Passenger boat, Freighter, Ferry, Cruising vessel

(3) Light Duty

- Operation hours : up to 1,000hr per year, up to 5hrs per day
- Average load application : up to 50%
- Percentages of time at full load : up to 20%
- Typical gearbox ratio : 1~2.5

* Application : Yacht, Cruising vessel, Fast boat, Fire pump

(Jan.2013)

AUTHORIZED DEALER

Doosan Infracore
Engine

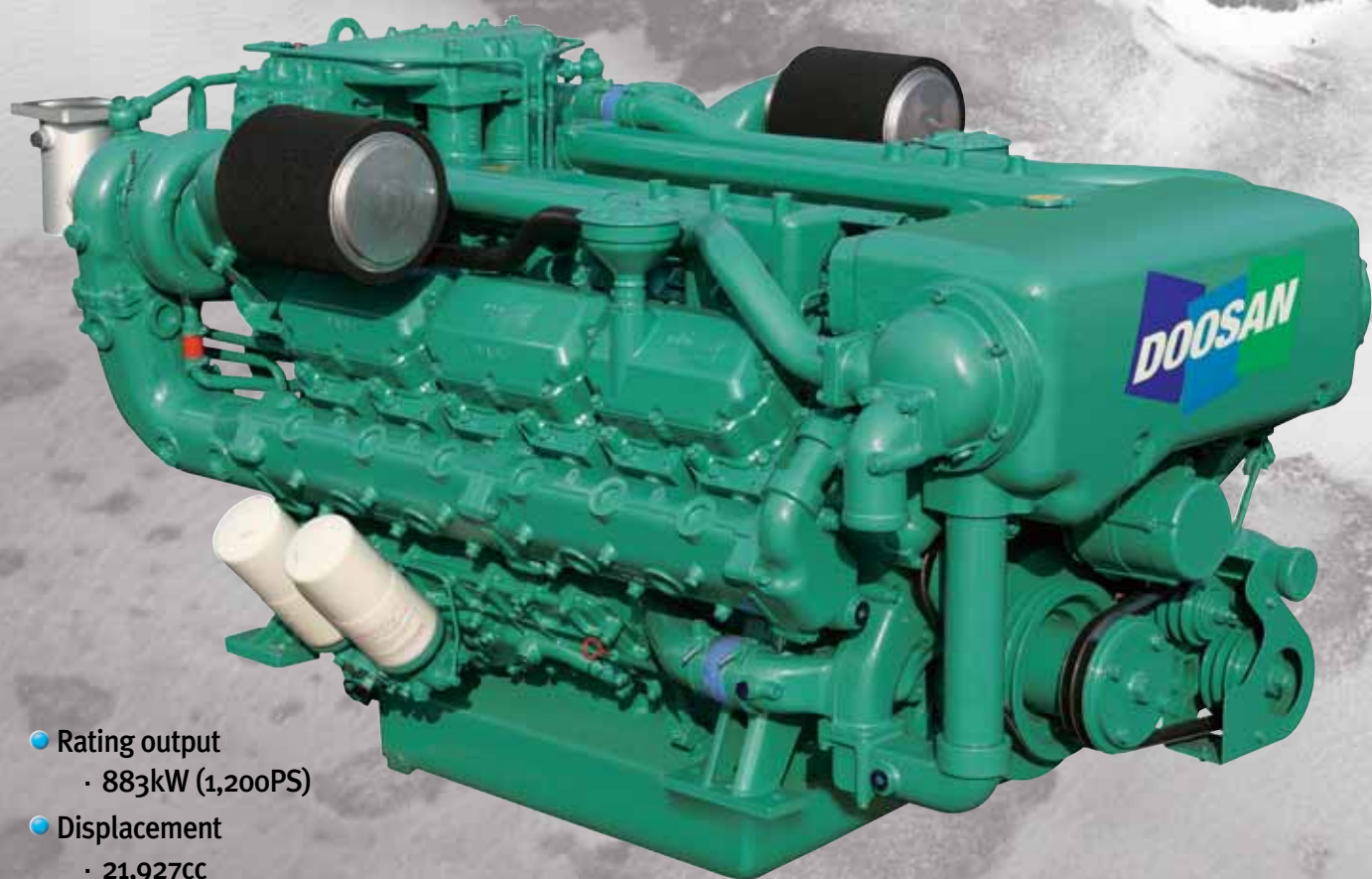
21/F, Doosan Tower, 18-12, Euljiro 6-ga,
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Email : doosanmarine@doosan.com
http://engine.doosaninfracore.co.kr

* Specifications are subject to change without prior notice.



Marine Diesel Engine 4V222TI

- Compact Design
- Excellent Performance
- Low Fuel Consumption
- Easy Maintenance



- Rating output
 - 883kW (1,200PS)
- Displacement
 - 21,927cc
- Dimension (L × W × H)
 - 1,874 × 1,243 × 1,548mm
 - Without Reduction Gear

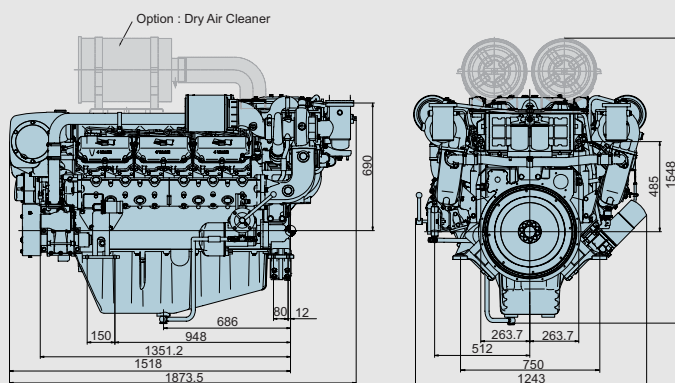
**Doosan Infracore
Engine**

Main Specification

Model	Units	4V222TI		
		4V222TIH	4V222TIM	4V222TIL
Engine type		4 valve, 4 cycle, V type, direct-injection, water cooled with turbo charger & inter-cooler		
Rating output	PS(kW) / rpm	800(588) / 1,800	880(647) / 2,100	1,200(883) / 2,300
Displacement	c c	21,927		
Cylinder number - bore × stroke	mm	12 - φ 128 × 142		
Flywheel housing & fly wheel		SAE 1 & 14		
Low idling rpm	rpm	725 ± 25		
No load max. rpm	rpm	below 2,070	below 2,415	below 2,645
Compression ratio		14.3 : 1		
Firing order		1 - 12 - 5 - 8 - 3 - 10 - 6 - 7 - 2 - 11 - 4 - 9		
Governor type of injection pump		Mechanical variable speed (R.Q.V)		
Fuel consumption(only Ref.)@ rated power	g / PS.h	153	160	168
	Lit / h	146.24	168.22	200.72
Starting system		Electric Starting by starter motor		
Starter motor capacity	V - kW	24 - 6.6		
Alternator capacity	V - A	24 - 55		
Battery	V - Ah	24 - 200		
Cooling system		Indirect sea water cooling with heat exchanger		
Cooling water capacity	Max. / Min.	lit		
Fresh water pump type		Centrifugal type, driven by belt		
Sea water pump type		Bronze impeller type driven by belt		
Lubricating oil(Engine)	Pan capacity	lit	Max : 40, Min : 33 (Engine total : 43)	
	Pressure	kg/cm ²	Full : 3.5, Idle : 1.2	
Direction of revolution	Crankshaf		Counter clockwise viewed from stern side	
Engine Size(L × W × H)	Without M/G	mm	1,874 × 1,243 × 1,548	
Engine dry weight	Without M/G	kg	1,920	1,960

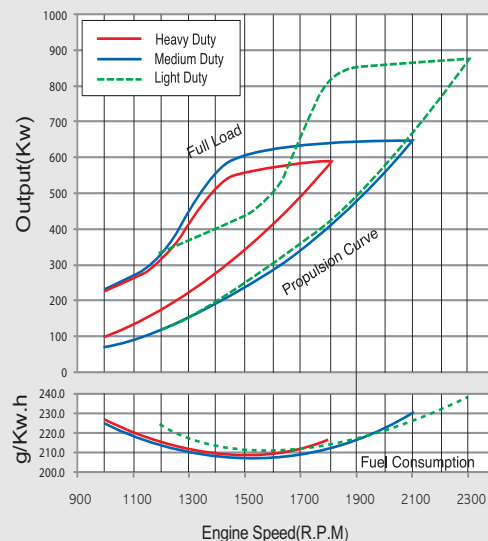
H : Heavy Duty, M : Medium Duty, L : Light Duty

Engine Dimension



Performance Curve

- Heavy duty : 588kW(800PS)@1,800rpm
- Medium duty : 641kW(880PS)@2,100rpm
- Light duty : 883kW(1,200PS)@2,300rpm



Marine rating to ISO 3046

1) Heavy Duty

- Operation hours : unlimited per year, unlimited per day
- Average load application : up to 90%
- Percentages of time at full load : up to 80%
- Typical gearbox ratio : 2.5~6
- * Application : Fishing trawler, Tug boat, Pushing vessel, Cargo boat, Freighter

(2) Medium Duty

- Operation hours : up to 3,000hr per year, up to 10hrs per day
- Average load application : up to 70%
- Percentages of time at full load : up to 30%
- Typical gearbox ratio : 2~3.5
- * Application : Pilot boat, Escort boat, Passenger boat, Freighter, Ferry, Cruising vessel

(3) Light Duty

- Operation hours : up to 1,000hr per year, up to 5hrs per day
- Average load application : up to 50%
- Percentages of time at full load : up to 20%
- Typical gearbox ratio : 1~2.5
- * Application : Yacht, Cruising vessel, Fast boat, Fire pump

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AUTHORIZED DEALER

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* Specifications are subject to change without prior notice.