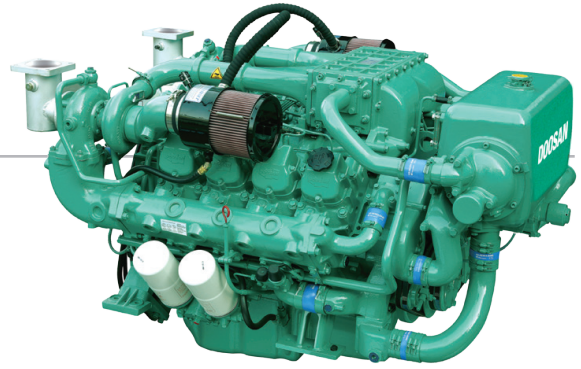


DOOSAN MARINE DIESEL ENGINES

V158TI



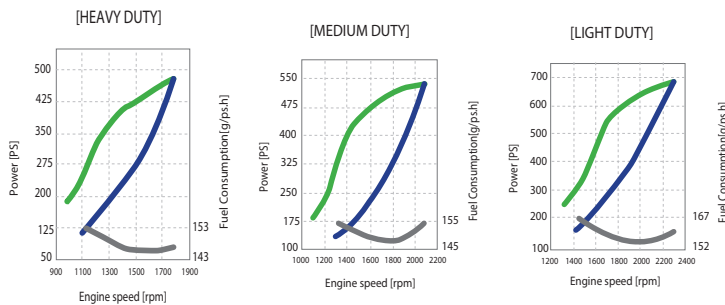
• MODEL

- V158TIH (HEAVY DUTY) : 480PS (353kW) / 1,800rpm
- V158TIM (MEDIUM DUTY) : 540PS (397kW) / 2,100rpm
- V158TIL (LIGHT DUTY) : 680PS (500kW) / 2,300rpm

Engine Specification

Model		Units	V158TIH	V158TIM	V158TIL
Engine type			4 cycle, V type, direct- injection, water cooled with wet turbo charger & inter-cooler		
Rating output (B.H.P)		PS(kW)/rpm	480(353)/1,800	540(397)/2,100	680(500)/2,300
Displacement		cc	14,618		
Cylinder number - bore(ø) x stroke		mm	8 - ø128 x 142		
Flywheel housing & fly wheel (inch)			SAE 1 & 14		
Low idling rpm		rpm	750 ± 25		
No load max. rpm		rpm	below 2,070	below 2,415	below 2,645
Compression ratio			15.5 : 1	15.5 : 1	15.5 : 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 lit. / h	160 93	165 107	175 143
Starting system			Electric Starting by starter motor		
Starter motor capacity		V- kW	24 - 6.6		
Alternator capacity		V- A	24 - 80		
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			Rubber 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		crankshaft	Counter clockwise viewed from stern side		
Engine size(L x W x H)		mm	1,337 x 1,222 x 1,074		
Engine dry weight		kg	1,350	1,350	1,435

Performance Curve



Engine Dimension

