

Model.	6LP-ST(Z)E
Bore x Stroke.	94 X 100mm
Displacement.	4,163L.
Configuration.	6 Cylinder, vertical, 4cycle water-cooled diesel engine. Direct injection. With Turbocharger and intercooler.
Sales date app..	1998 - d.d.
Dimensions LxWxH mm.	1065 X 671 X 729mm / 1145 X 699 X 729mm (Z)
Dry weight.	408Kg / 428Kg (Z)
Output: max. / continuous.	300Hp(221,0Kw)/3800Rpm / 255Hp(188,0Kw)/3600Rpm
Cooling System.	Constant high temperature fresh water cooling
Starting System.	Starter: 12V - 2,5Kw Generator: 12V - 80A
Lubrication system.	Forced lubrication by trochoid pump
Mounting flange No.	SAE 3
Clutch.	Hurth HSW630A1
Rotation, crankshaft / propel.	Clockwise / Birotation viewed from stern
Fire Order.	1 - 4 - 2 - 6 - 3 - 5 - 1
Max. Torque.	71,0Kgm/2800Rpm
Fuel Consumption.	Max rpm. 180g/Hp-Hr
Notes:	"Z"= Engine with Mercruiser sterndrive(Bravo1-2-3).
Service Data:	
Engine oil.	10,5L CD - 15W/40
Gear oil.	3,0L ATF"A" (HSW630A1) / Bravo 1: 2,9L Bravo 2: 3,3L Bravo 3: 3,1L Use Quicksilver gear oil
Cooling water capacity.	13,5L subtank 1,6L
Valve clearance (Cold).	Intake: 0,17-0,23mm Exhaust: 0,47-0,53mm
Fuel Injection Timing.	Plunger stroke: 1,7+-0,1mm / FID 13,5+-1° B.T.D.C.
Fuel Injection Pressure.	1 st 250+10Kg/cm ² - 2 nd 300+10 Kg/cm ²
Turbocharger Boost press.	2,2Kg/cm ² at max. output
Exhaust gas Temp.	650° C at max. output
Lub. Oil press.	4,5Kgf/cm ² at max. output
Piston protrusion.	0,175 to 0,425mm
<i>Tightning Torque:*</i>	
Cylinder Head.	7,0Kgm +90° +90°
Camshaft bearing cap bolts.	2,5Kgf (other 1,85Kgf)
Bearing Con-Rod.	3,75Kgf +90°
Bearing Main.	10,5Kgf +90° (outside main bearings 1,85Kgf)
Flywheel Bolt.	13,0Kgm
Injection pump drive gear.	10,5Kgf
Crankshaft V-pulley bolt.	44,0Kgf