

Model.	4LH-STE
Bore x Stroke.	100 X 110mm
Displacement.	3,455 cc.
Configuration.	4 Cylinder, vertical, 4cycle water-cooled diesel engine. Direct injection. With Turbocharger and intercooler.
Sales date app..	1995 - d.d.
Dimensions LxWxH mm.	1059 X 667 X 723mm
Dry weight.	418Kg
Output: max. / continuous.	230Hp(169,0Kw)/3300Rpm / 190Hp(140Kw)/3100Rpm
Cooling System.	Constant high temperature fresh water cooling
Starting System.	Starter: 12V - 2,5Kw Generator: 12V - 55A (LR155-20)
Lubrication system.	Forced lubrication by trochoid pump
Mounting flange No.	SAE 4
Clutch.	--
Rotation, crankshaft / propel.	Counterclockwise / --
Fire Order.	1 - 3 - 4 - 2 - 1
Max. Torque.	61,0Kgm/2400Rpm
Fuel Consumption.	Max rpm. 192g/Hp-Hr
Notes:	Engine comes without gearbox. Can be delivered with Hurth HSW 630A1.
<b>Service Data:</b>	
Engine oil.	10,0L CD - 15W/40
Gear oil.	3,0L ATF II-D (Hurth HSW630A1)
Valve clearance (Cold).	Intake: 0,1mm Exhaust: 0,5mm
Fuel Injection Timing.	14° B.T.D.C.
Fuel Injection Pressure.	260+10Kg/cm <sup>2</sup>
Turbocharger Boost press.	1480 - 1800mmHg at max. output
Exhaust gas Temp.	730° C at max. output
Lub. Oil press.	3,5 - 4,5Kgf/cm <sup>2</sup> at max. output
Top Clearance / Compression.	0,71 - 0,89mm / 25 - 30Kg/cm <sup>2</sup>
<i>Tightning Torque:*</i>	
Cylinder Head.	17 - 19Kgm
Bearing Con-Rod.	12,0Kgm
Bearing Main.	19 - 21Kgm
Flywheel Bolt.	20,0Kgm
Damper disk bolts.	2,6Kgm
Crankshaft V-pulley bolt.	12,0Kgm

