




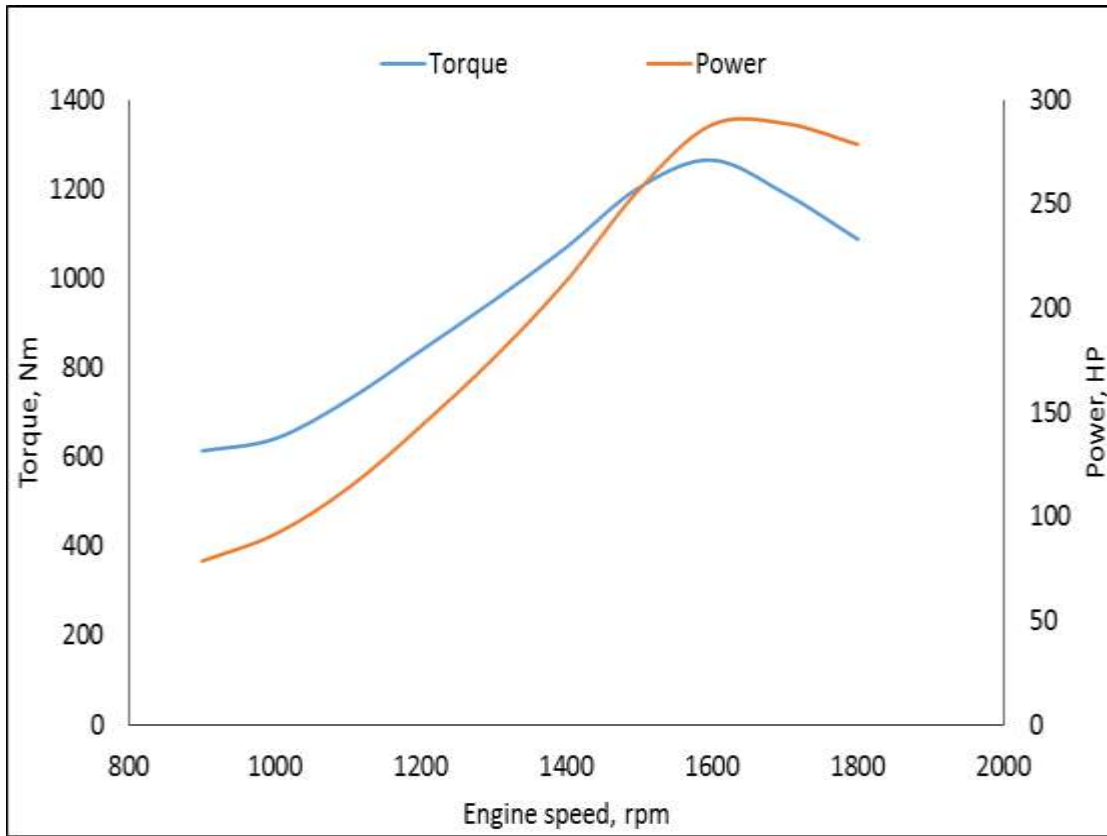
No. : F6.SPEC.201.0.B		<b>BROAD SPECIFICATIONS</b>		 Enriching Lives
SHEET NO. : 1/3		<b>6SL90 TA – Shrimp farmin Application</b>		
<b>S. NO.</b>	<b>PARAMETER</b>	<b>UNIT</b>	<b>VALUE</b>	
1.1	Engine Model	--	6SL90 TA	
1.2	Emission compliance	--	-	
1.3	Bore x Stroke	mm	118 x 135	
1.4	No. of cylinders	-	6	
1.5	Total displacement	lit	8.86	
1.6	Valves per cylinder – intake/exhaust	-	1/1	
1.7	Compression ratio	-	15.5±1:1	
1.8	Firing order (starting from flywheel end)	-	1-5-3-6-2-4	
1.9	Combustion system	-	Direct Injection	
1.10	Aspiration	-	Turbocharged Aftercooled	
1.11	Engine crankcase vent system	-	Open to atmosphere	
1.12	Rated speed	rpm	1800 rpm	
1.13	Rated Power	HP (kW)	278 (204.8) @ 1800 rpm	
	Rated Torque <small>(corresponding to gross power under NTP conditions after 50 hrs. of running in, with reference fuel) Production Tolerance: +/- 5 %</small>	Nm	1260 Nm @ 1600 rpm	
1.14	Low idle speed	rpm	800	
1.15	Max. No Load speed	rpm	2045 rpm	
1.16	Specific fuel consumption <small>(corresponding to gross power under NTP conditions after 50 hrs. of running in, with reference fuel) Production Tolerance: ±5 %</small>	At Rated Power at	gm/hphr (gm/kwhr)	151.5 (206.1)
		Rated Torque		151.0 (205.3)

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No. : F6.SPEC.201.0.B  SHEET NO. : 2/3		<b>BROAD SPECIFICATIONS</b>  <b>6SL90 TA – Shrimp farming Application</b>		 Enriching Lives
<b>S. NO.</b>	<b>PARAMETER</b>	<b>UNIT</b>	<b>VALUE</b>	
1.17	Mass flow rate of air at rated power/Rated torque <i>(Corresponding to gross power under NTP conditions after 50 hrs. of running in, with reference fuel, Production Tolerance: +/- 5 %)</i>	kg/hr	1186/1050	
1.18	Exhaust Mass flow rate at rated power/Rated torque <i>(Corresponding to gross power under NTP conditions after 50 hrs. of running in, with reference fuel, Production Tolerance: +/- 5 %)</i>	kg/hr	1228/1094	
1.19	Lubricating oil pressure	bar	At low idle speed	
			At rated speed and full load	
			1.5 bar min	
			3.5 Min	
1.20	Max. Oil temp.	°C	120	
1.21	Lubricating oil consumption	% of fuel consumption	0.1	
1.22	Fuel Injection Pump	-	Mechanical Inline fuel pump	
1.23	Fuel filter		Bosch Fuel filter	
1.24	Max allowable back pressure of exhaust system at rated power (At turbocharger outlet)	mm of Hg	50	
1.25	Max exhaust temperature	deg C	< 600	
1.26	Max. air inlet restriction - Clean air cleaner - Dirty air cleaner	mm H2O	150	
		mm H2O	500	

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No. : F6.SPEC.201.0.B  SHEET NO. : 3/3	<b>PRELIMINARY SPECIFICATIONS</b>  <b>6SL90 TA – Shrimp farming Application</b>		<b>SECT. A</b>	 Enriching Lives

Target Engine Power and Torque Curve



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