



**Motosan**

ENGINE COMPANY INC.



## SUPER STAR 1 & 2 CYLINDER ENGINE TECHNICAL SPECIFICATIONS

Bore	98 mm									108 mm							
Model	7708	7710	7712	7716	7716-A	7720	7726	7728	7732	9210	9216	9219	9219-A	9234	9239	11012	11025
Number of Cylinder	1				2					1			2			1	2
Displacement lt.	0.77 litre				1.54 litre					0.92 litre			1.84 litre			1.00	2.00
Stroke mm.	100 mm.																
Fuel Tank Capacity Puming Set lt.	16 lt.																
Oil Sump Capacity with oil filter lt.	2.3 lt.				4.3 lt.					2.3 lt.			4.3 lt.			2.3 lt.	4.3 lt.
Horse Power HP	8	10	12	16	16	20	26	28	32	10	16	19	19	34	39	12	25
Speed rpm.	1500	1800	2300	3000	1500	2300	2600	2750	3000	1500	2600	3000	1500	2750	3000	1500	
Çalışma Presibi	4 Cycle, Direct Injection																
Combustion Raito	1/17																
Fuel Consumption	187gr/Hph																
Lubrication System	Forced Lubrication by Gear Pump																
Oil Pressure minimum	0.6 atm.																
Cooling	Water Cooled by Tropical Radiator																
Water Capacity with Radiator lt.	4.5 Litre				5.25 Litre					4.5 Litre			6.75 Litre			4.5 Litre	6.75 Litre
Water Capacity + Canopy Radiator lt.	4.5 Litre				6.75 Litre					4.5 Litre			7.75 Litre			4.5 Litre	7.75 Litre
Fuel Pump	Super Star Monocylinder																
Injector Complete	Bosch / Delphi																
Injector Nozzle	Bosch / Delphi																
Injection Pressure	175 Kg/cm2.																
Valve Clearance	When the Engine is Cold 0,25 mm																
Engine Timing	28° Degrees to 35° degrees before Top Dead Center																
Inlet Valve Opening	15° Degrees Before Top Dead Center																
Exhaust Valve Closing	15° Degrees After Top Dead Center																

We reserve the right to change above specification without notice. All above ratings are at standard Humidity, temperature 27 degrees celcius and at sea level.