

# AIR-COOLED DIESEL ENGINES

## TYPE GA-75

### Technical Specification

Vertical, single cylinder, air-cooled, cold starting, compression ignition, four stroke, high speed diesel engines.

MODEL		1080		1450		1510	
Bore	mm	80		85		85	
Stroke	mm	80		80		90	
Displacement	cm <sup>3</sup>	402		454		510	
Compression ratio	-	17.5:1		17.5:1		17.5:1	
Fuel Tank capacity	litres	5.5		5.5		5.5	
Oil Sump capacity	litres	1.75		1.75		1.75	
Lub Oil	kg/hr	0.017		0.020		0.022	
Consumption	kg	57		57		59	
Dry weight							
<b>RPM</b>		<b>2200</b>	<b>3000</b>	<b>2200</b>	<b>3000</b>	<b>2200</b>	<b>3000</b>
<b>HP</b>	NB DIN 6270	6.2	8	7.0	9	7.5	10
	NA DIN 6270	5.6	7.2	6.4	8	6.8	9
	BS 5514 1987	5.6	7.2	6.4	8	6.8	9
	IS 10001/1981	5.1	6.6	6.0	7.4	6.3	8.3
<b>SFC</b>	gm/bhp/hr	206	210	188	210	182	205

### RATINGS

**NB DIN 6270** – Service Rating : For continuous light duty with variable speed and variable load.

**NA DIN 6270 BS 5514:1987 IS 10001/1981** – Continuous Rating : For continuous duty with constant speed with provision for 10% overload.

HPs indicated are valid for fully run in engines fitted with standard air cleaner and standard exhaust silencer. The maximum HP is guaranteed with a tolerance of 5%. The HP must be derated for ambient conditions as per the relevant standard.



