

4R1040T



No. of Cyls.	Bore x Stroke (mm)	Displacement (cc)	Gross Power Output Rating as per ISO3046 at 1500 RPM bhp (kW)		Suitable Power Rating for Generator at 0.8 pf	
			Prime	Standby	Prime	Standby
4	105 x 120	4160	83 bhp (61 kW)	91 bhp (67 kW)	62.5 kVA	68.75 kVA

Engine Technical Data :

Physical Data		Fuel System	
Engine Make	Kirloskar	Type of fuel filter	Two stage spin on type
Engine Model	4R1040T	Governor Type	Mechanical
Number of cylinders	4	Class of Governing	ISO 3046 Class A1 & ISO 8528-5, Class G2
Configuration	Inline	Fuel pump type	Inline
Type	Four stroke	Fuel pump make	MICO - BOSCH
Bore x Stroke (mm)	105 x 120	Recommended Fuel	Class A2, High speed diesel
Displacement (cc)	4160	Specific fuel consumption gm/bhp-hr (gm/kW-hr)	150 (204)
Cooling	Water cooled	Fuel consumption at 100% load +5% tolerance (lit/hr)	15.90
Aspiration	Turbocharged	Fuel consumption at 75% load +5% tolerance (lit/hr)	11.93
Compression Ratio	18 : 1	Fuel consumption readings are based on diesel fuel with a specific gravity of 0.85 and confirming to BS 2869, Class A2)	
Starting Arrangement	12V Electric		
Air System		Lubrication System	
Air Filter Type	Dry type replaceable element	Type of lube oil filter	Full flow spin on type
Air Volume required for Ventilation (m³/hr)	6288	Oil to be used	Multi grade 15W40
Combustion air flow (m³/hr)	187	Oil pump type	Through G-rotor gear pump
Total Air Flow required for ventilation (m³/hr)	7001	Lub oil sump capacity (lit)	11
Total Fresh air required (m³/hr)	7500	Lube oil consumption	0.3% of fuel consumption
Cooling System		Electrical System	
Cooling system capacity (lit)	24	Starting Arrangement	12V Electric
Water pump type	Centrifugal	Starter	12V Electric
Radiator fan load (hp)	3.5	Starter Battery Rating	135 Amp-hr
		Battery charging alternator	Engine mounted 12V battery charger
		Battery charger amps	35

Power, Performance, Peace of Mind.