

4R1040



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	56 bhp (41.2 kW)	61.6 bhp (45.3 kW)	40 kVA	44 kVA

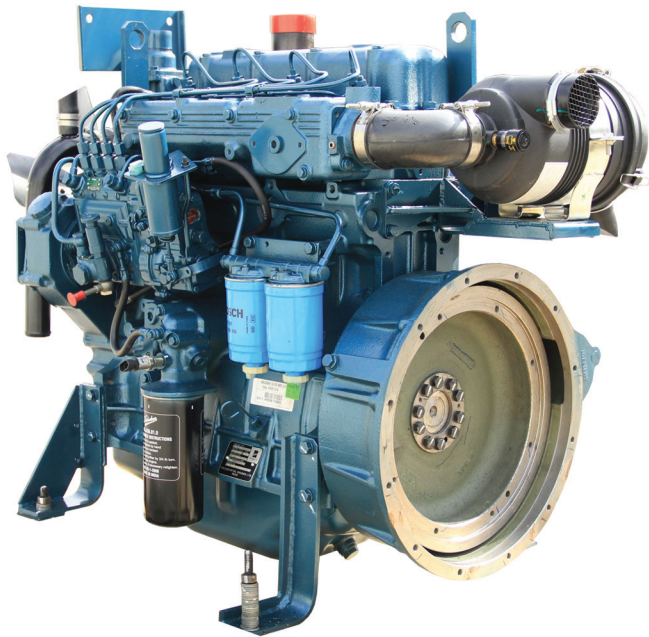
Engine Technical Data :

Physical Data		Fuel System	
Engine Make	Kirloskar	Type of fuel filter	Two stage spin on type
Engine Model	4R1040	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)	160 (217)
Cooling	Water cooled	Fuel consumption at 100% load +5% tolerance (lit/hr)	10.73
Aspiration	Naturally Aspirated	Fuel consumption at 75% load +5% tolerance (lit/hr)	8.05
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)	5554	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)	6061	Lub oil sump capacity (lit)	11
Total Fresh air required (m³/hr)	5555	Lube oil consumption	0.3% of fuel consumption

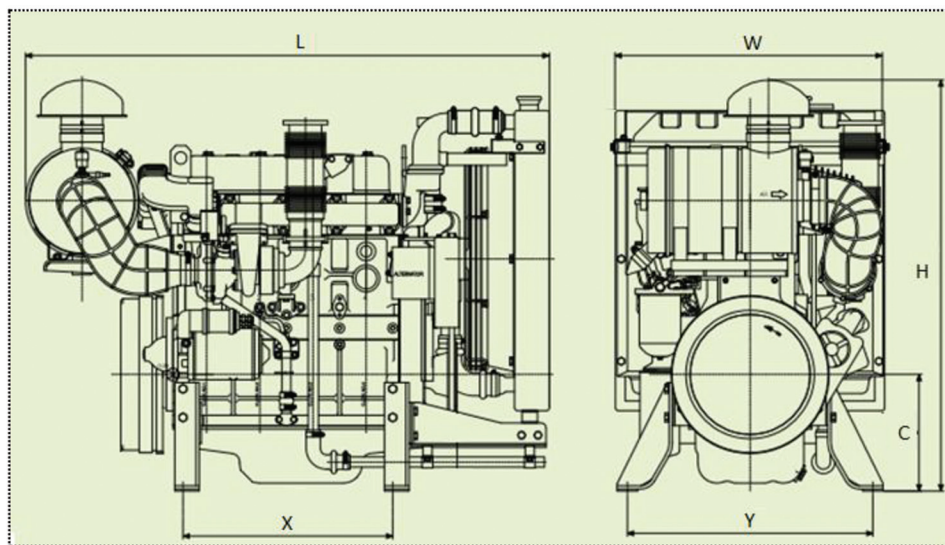
Cooling System		Electrical System	
Cooling system capacity (lit)	18	Starting Arrangement	12V Electric
Water pump type	Centrifugal	Starter	12V Electric
Radiator fan load (hp)	4	Starter Battery Rating	100 Amp-hr
		Battery charging alternator	Engine mounted 12V battery charger
		Battery charger amps	35

Power, Performance, Peace of Mind.



Features

- Designed for heavy duty applications
- Extremely reliable
- All service points like dipstick, lube oil filling, lube oil filter, fuel pump, injectors are on one side which is the cooler side. This adds to operator comfort.
- Lower operating cost
- Easy maintenance – higher uptime
- Superior design standards that minimize power deration even at high ambient temperatures.
- Winner of the frost & Sullivan Voice of Customer Award in the "Best Bang for Buck" category in the Indian Generating sets Market.



Dimensions in mm					
L	W	H	C	X	Y
1219	790	1114	285	513.5	600

Weight Details	
Engine weight without radiator Gross / Net (kg)	540 / 420
Radiator and accessories weight Gross / Net (kg)	75 / 60

Coupling	
Flywheel	Suitable for SAE 11.5" disc
Housing	SAE3
Coupling disc	Not supplied

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