

DV8

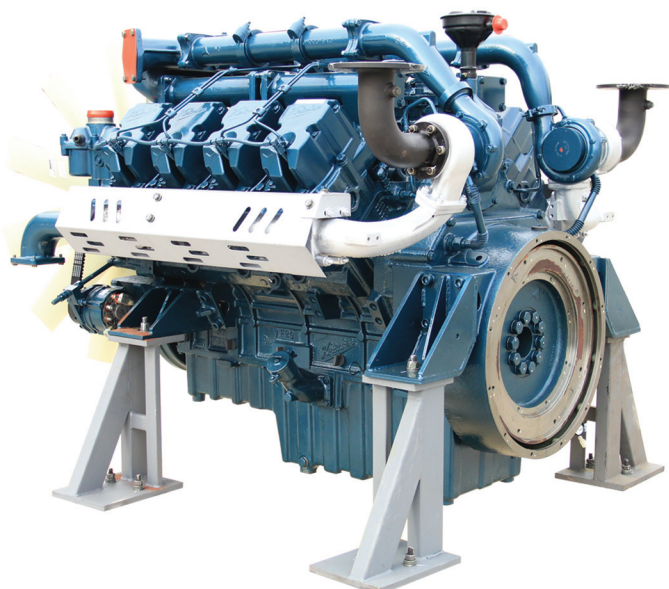


No. of Cyls.	Bore x Stroke (mm)	Displacement (cc)	Gross Power Output Rating as per ISO3046 at 1500 RPM bhp (kW)		Suitable Power Rating for Generator at 0.8 pf	
			Prime	Standby	Prime	Standby
8	130 x 150	15910	490 bhp (360.6 kW)	539 bhp (396 kW)	400 kVA	440 kVA

Engine Technical Data :

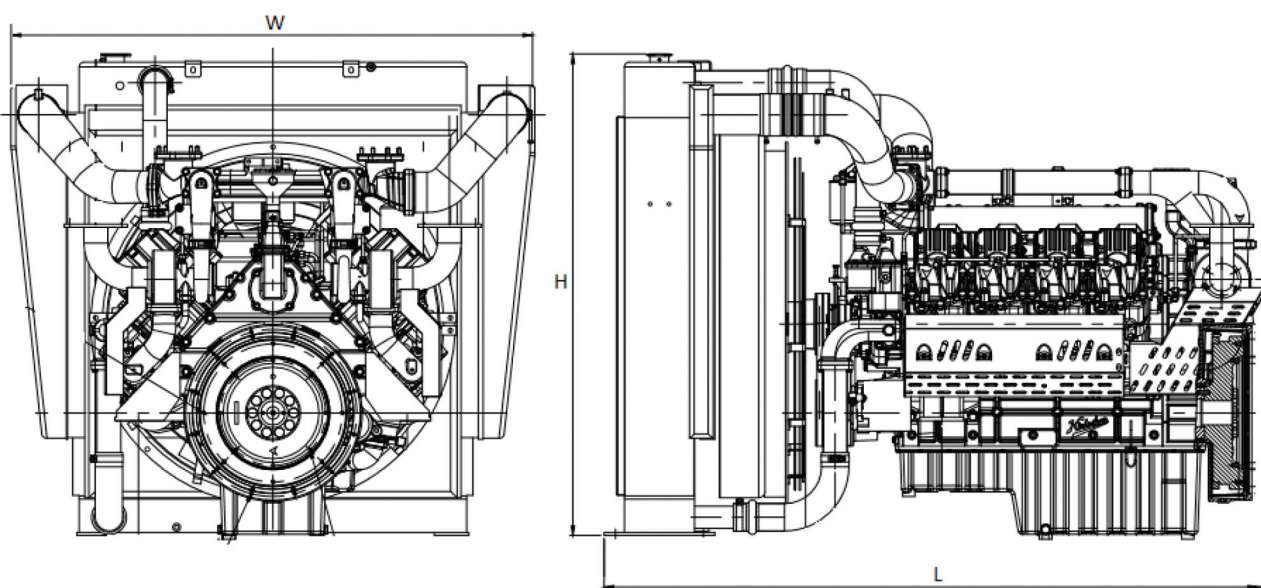
Physical Data		Fuel System	
Engine Make	Kirloskar	Type of fuel filter	Spin on type
Engine Model	DV8	Governor Type	Electronic
Number of cylinders	8	Class of Governing	ISO 3046 Class A0 & ISO 8528
Configuration	V-type	Fuel pump type	Inline
Type	Four stroke	Fuel pump make	KIRLOSKAR
Bore x Stroke (mm)	130 x 150	Recommended Fuel	Class A2, High speed diesel
Displacement (cc)	15910	Specific fuel consumption gm/bhp-hr (gm/kW-hr)	143 (198)
Cooling	Water cooled	Fuel consumption at 100% load +5% tolerance (lit/hr)	80.38
Aspiration	Turbocharged After cooled	Fuel consumption at 75% load +5% tolerance (lit/hr)	61.55
Compression Ratio	16.5 : 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	24V 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)	27720	Oil to be used	Multi grade 15W40 (CF4 or better)
Combustion air flow (m³/hr)	1980	Oil pump type	Through G-rotor gear pump
Total Air Flow required for ventilation (m³/hr)	27720	Lub oil sump capacity (lit)	41
Total Fresh air required (m³/hr)	29700	Lube oil consumption	0.12% of fuel consumption
Cooling System		Electrical System	
Cooling system capacity (lit)	123	Starting Arrangement	24V Electric
Water pump type	Centrifugal	Starter	24V Electric
Radiator fan load (hp)	13.6	Starter Battery Rating	2x180 Amp-hr
		Battery charging alternator	Engine mounted 24V battery charger
		Battery charger amps	45

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	For engine mounting dimensions please refer the respective rating GA drawing
2097	1750	1526	

Weight Details

Engine weight without radiator Gross / Net (kg)	2030 / 1920
Radiator and accessories weight Gross / Net (kg)	690 / 570

Coupling

Flywheel	Suitable for SAE 14" disc
Housing	SAE1
Coupling disc	Not in KOEL scope

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