

6SL8800TA



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
6	118 x 135	8860	310 bhp (228.1 kW)	341bhp (250 kW)	250 kVA	275 kVA

Engine Technical Data :

Physical Data	
Engine Make	Kirloskar
Engine Model	6SL8800TA
Number of cylinders	6
Configuration	Inline
Type	Four stroke
Bore x Stroke (mm)	118 x 135
Displacement (cc)	8860
Cooling	Water cooled
Aspiration	Turbocharged After cooled
Compression Ratio	15.5 : 1
Starting Arrangement	24V Electric

Fuel System	
Type of fuel filter	Two stage element type
Governor Type	Electronic
Class of Governing	ISO 3046 Class A0 & ISO 8528
Fuel pump type	Inline
Fuel pump make	MICO – BOSCH
Recommended Fuel	Class A2, High speed diesel
Specific fuel consumption gm/bhp-hr (gm/kW-hr)	146 (198)
Fuel consumption at 100% load +5% tolerance (lit/hr)	59.62
Fuel consumption at 75% load +5% tolerance (lit/hr)	44.72
Fuel consumption readings are based on diesel fuel with a specific gravity of 0.85 and conforming to BS 2869, Class A2)	

Air System	
Air Filter Type	Dry type replaceable element
Air Volume required for Ventilation (m ³ /hr)	20447
Combustion air flow (m ³ /hr)	1140
Total Air Flow required for ventilation (m ³ /hr)	21383
Total Fresh air required (m ³ /hr)	TBA

Lubrication System	
Type of lube oil filter	Full flow spin on type
Oil to be used	Multi grade 15W40
Oil pump type	Through G-rotor gear pump
Lub oil sump capacity (lit)	24
Lube oil consumption	0.3% of fuel consumption

Cooling System	
Cooling system capacity (lit)	43
Water pump type	Centrifugal
Radiator fan load (hp)	12

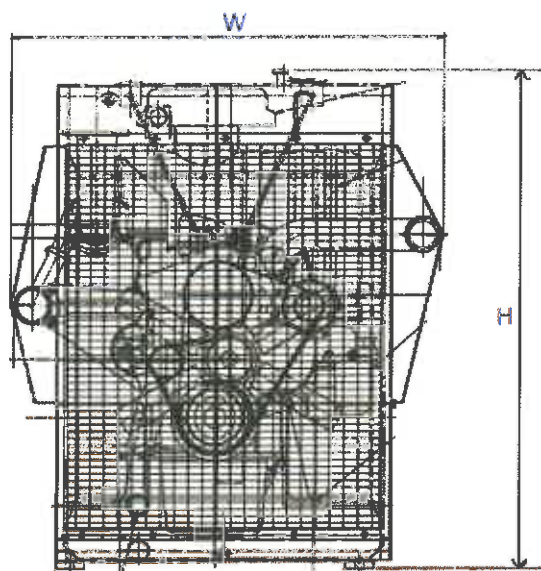
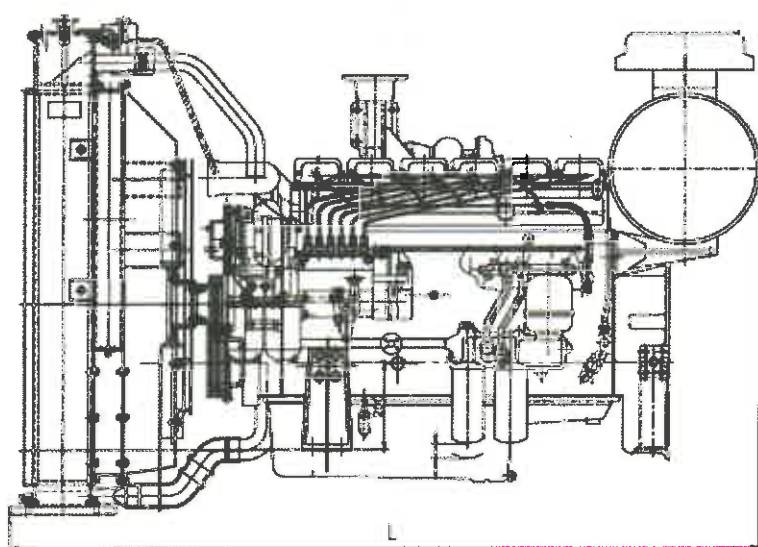
Electrical System	
Starting Arrangement	24V Electric
Starter	24V Electric
Starter Battery Rating	2x180 Amp-hr
Battery charging alternator	Engine mounted 24V battery charger
Battery charger amps	55

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
2121	1228	1406	

Weight Details

Engine weight without radiator Gross / Net (kg)	1210 / 950
Radiator and accessories weight Gross / Net (kg)	300 / 200

Coupling

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

6SL1500TA



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
6	118 x 135	8860	248 bhp (182.5 kW)	272 bhp (200 kW)	200 kVA	220kVA

Engine Technical Data :

Physical Data	
Engine Make	Kirloskar
Engine Model	6SL1500TA
Number of cylinders	6
Configuration	Inline
Type	Four stroke
Bore x Stroke (mm)	118 x 135
Displacement (cc)	8860
Cooling	Water cooled
Aspiration	Turbocharged After cooled
Compression Ratio	17.5 : 1
Starting Arrangement	24V Electric

Fuel System	
Type of fuel filter	Two stage element type
Governor Type	Mechanical
Class of Governing	ISO 3046 Class A1 & ISO 8528-5, Class G2
Fuel pump type	Inline
Fuel pump make	MICO - BOSCH
Recommended Fuel	Class A2, High speed diesel
Specific fuel consumption gm/bhp-hr (gm/kW-hr)	144 (196)
Fuel consumption at 100% load +5% tolerance (lit/hr)	45.98
Fuel consumption at 75% load +5% tolerance (lit/hr)	34.48

Fuel consumption readings are based on diesel fuel with a specific gravity of 0.85 and confirming to BS 2869, Class A2)

Air System	
Air Filter Type	Dry type replaceable element
Air Volume required for Ventilation (m ³ /hr)	16605
Combustion air flow (m ³ /hr)	900
Total Air Flow required for ventilation (m ³ /hr)	17541
Total Fresh air required (m ³ /hr)	TBA

Lubrication System	
Type of lube oil filter	Full flow spin on type
Oil to be used	Multi grade 15W40
Oil pump type	Through G-rotor gear pump
Lub oil sump capacity (lit)	24
Lube oil consumption	0.3% of fuel consumption

Cooling System	
Cooling system capacity (lit)	43
Water pump type	Centrifugal
Radiator fan load (hp)	7

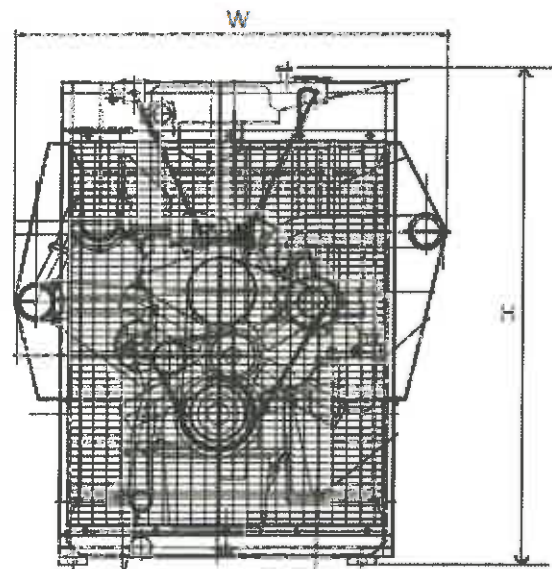
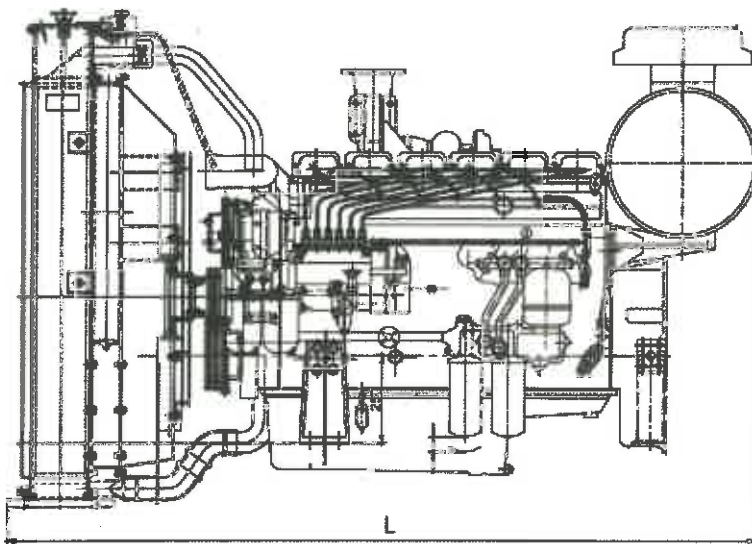
Electrical System	
Starting Arrangement	24V Electric
Starter	24V Electric
Starter Battery Rating	2x180 Amp-hr
Battery charging alternator	Engine mounted 24V battery charger
Battery charger amps	55

Power, Performance, Peace of Mind.



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Dimensions in mm			
L	W	H	For engine mounting dimensions please refer the respective rating GA drawing
2125	1228	1431	

Weight Details	
Engine weight without radiator Gross / Net (kg)	1210 / 950
Radiator and accessories weight Gross / Net (kg)	300 / 200

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

6SL9088TA



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
6	118 x 135	8860	198bhp (145.7 kW)	217.8 bhp (160.3 kW)	160 kVA	176 kVA

Engine Technical Data :

Physical Data	
Engine Make	Kirloskar
Engine Model	6SL9088TA
Number of cylinders	6
Configuration	Inline
Type	Four stroke
Bore x Stroke (mm)	118 x 135
Displacement (cc)	8860
Cooling	Water cooled
Aspiration	Turbocharged After cooled
Compression Ratio	17.5 : 1
Starting Arrangement	24V Electric

Fuel System	
Type of fuel filter	Two stage element type
Governor Type	Mechanical
Class of Governing	ISO 3046 Class A1 & ISO 8528-5, Class G2
Fuel pump type	Inline
Fuel pump make	MICO - BOSCH
Recommended Fuel	Class A2, High speed diesel
Specific fuel consumption gm/bhp-hr (gm/kW-hr)	158 (215)
Fuel consumption at 100% load +5% tolerance (lit/hr)	42.8
Fuel consumption at 75% load +5% tolerance (lit/hr)	32.1
Fuel consumption readings are based on diesel fuel with a specific gravity of 0.85 and confirming to BS 2869, Class A2)	

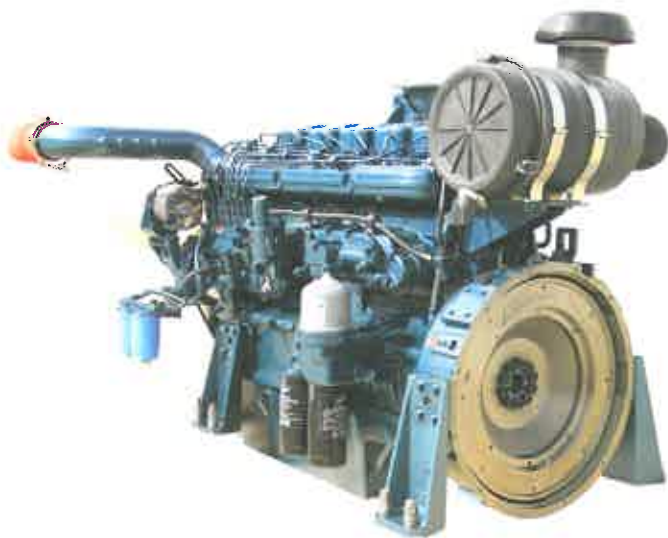
Air System	
Air Filter Type	Dry type replaceable element
Air Volume required for Ventilation (m ³ /hr)	14036
Combustion air flow (m ³ /hr)	720
Total Air Flow required for ventilation (m ³ /hr)	14972
Total Fresh air required (m ³ /hr)	TBA

Lubrication System	
Type of lube oil filter	Full flow spin on type
Oil to be used	Multi grade 15W40
Oil pump type	Through G-rotor gear pump
Lub oil sump capacity (lit)	24
Lube oil consumption	0.3% of fuel consumption

Cooling System	
Cooling system capacity (lit)	32
Water pump type	Centrifugal
Radiator fan load (hp)	7

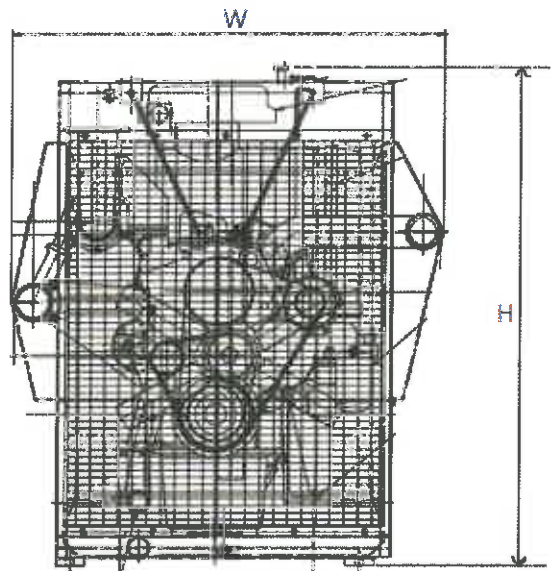
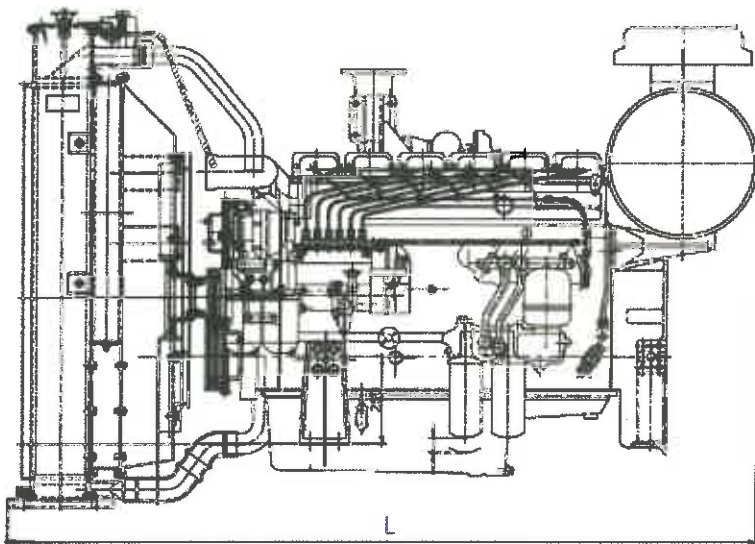
Electrical System	
Starting Arrangement	24V Electric
Starter	24V Electric
Starter Battery Rating	2x180 Amp-hr
Battery charging alternator	Engine mounted 24V battery charger
Battery charger amps	55

Power, Performance, Peace of Mind.



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Dimensions in mm		
L	W	H
1902	1189	1257

For engine mounting dimensions please refer the respective rating GA drawing

Weight Details	
Engine weight without radiator Gross / Net (kg)	1210 / 950
Radiator and accessories weight Gross / Net (kg)	300 / 200

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

6R1080T



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
6	105 x 125	6480	127 bhp (93.4 kW)	139.7 bhp (102.8 kW)	100 kVA	110 kVA

Engine Technical Data :

Physical Data	
Engine Make	Kirloskar
Engine Model	6R1080T
Number of cylinders	6
Configuration	Inline
Type	Four stroke
Bore x Stroke (mm)	105 x 125
Displacement (cc)	6480
Cooling	Water cooled
Aspiration	Turbocharged
Compression Ratio	17.6 : 1
Starting Arrangement	12V Electric

Fuel System	
Type of fuel filter	Two stage spin on type
Governor Type	Mechanical
Class of Governing	ISO 3046 Class A1 & ISO 8528-5, Class G2
Fuel pump type	Inline
Fuel pump make	MICO - BOSCH
Recommended Fuel	Class A2, High speed diesel
Specific fuel consumption gm/bhp-hr (gm/kW-hr)	150 (204)
Fuel consumption at 100% load +5% tolerance (lit/hr)	25.07
Fuel consumption at 75% load +5% tolerance (lit/hr)	18.81
Fuel consumption readings are based on diesel fuel with a specific gravity of 0.85 and confirming to BS 2869, Class A2	

Air System	
Air Filter Type	Dry type replaceable element
Air Volume required for Ventilation (m ³ /hr)	9068
Combustion air flow (m ³ /hr)	292
Total Air Flow required for ventilation (m ³ /hr)	9781
Total Fresh air required (m ³ /hr)	14325

Lubrication System	
Type of lube oil filter	Full flow spin on type
Oil to be used	Multi grade 15W40
Oil pump type	Through G-rotor gear pump
Lub oil sump capacity (lit)	13.5
Lube oil consumption	0.3% of fuel consumption

Cooling System	
Cooling system capacity (lit)	38
Water pump type	Centrifugal
Radiator fan load (hp)	5.5

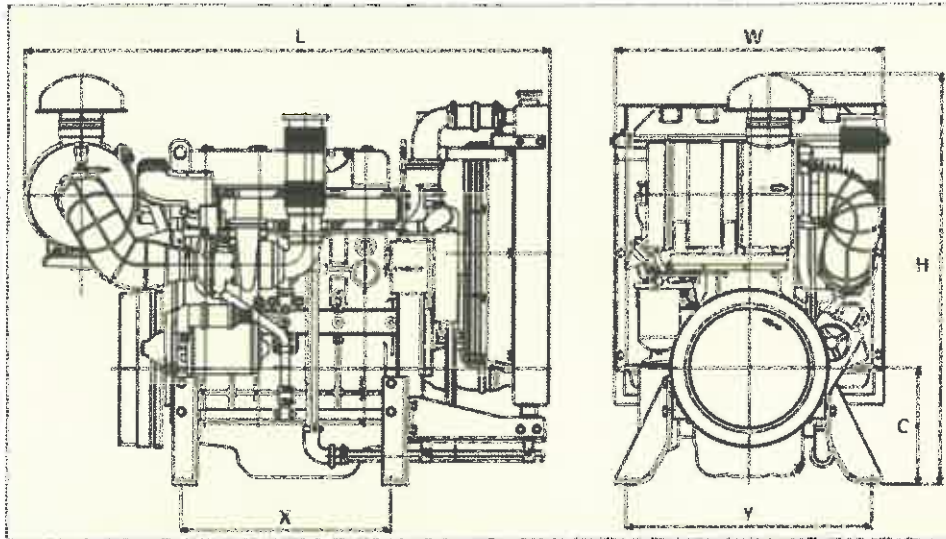
Electrical System	
Starting Arrangement	12V Electric
Starter	12V Electric
Starter Battery Rating	150 Amp-hr
Battery charging alternator	Engine mounted 12V battery charger
Battery charger amps	35

Power, Performance, Peace of Mind.



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Dimensions in mm					
L	W	H	C	X	Y
1707	952.5	1365	285	647	600

Weight Details	
Engine weight without radiator Gross / Net (kg)	930 / 820
Radiator and accessories weight Gross / Net (kg)	120 / 98

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

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	
Engine Make	Kirloskar
Engine Model	4R1040T
Number of cylinders	4
Configuration	Inline
Type	Four stroke
Bore x Stroke (mm)	105 x 120
Displacement (cc)	4160
Cooling	Water cooled
Aspiration	Turbocharged
Compression Ratio	18 : 1
Starting Arrangement	12V Electric

Fuel System	
Type of fuel filter	Two stage spin on type
Governor Type	Mechanical
Class of Governing	ISO 3046 Class A1 & ISO 8528-5, Class G2
Fuel pump type	Inline
Fuel pump make	MICO - BOSCH
Recommended Fuel	Class A2, High speed diesel
Specific fuel consumption gm/bhp-hr (gm/kW-hr)	150 (204)
Fuel consumption at 100% load +5% tolerance (lit/hr)	15.90
Fuel consumption at 75% load +5% tolerance (lit/hr)	11.93
Fuel consumption readings are based on diesel fuel with a specific gravity of 0.85 and confirming to BS 2869, Class A2)	

Air System	
Air Filter Type	Dry type replaceable element
Air Volume required for Ventilation (m ³ /hr)	6288
Combustion air flow (m ³ /hr)	187
Total Air Flow required for ventilation (m ³ /hr)	7001
Total Fresh air required (m ³ /hr)	7500

Lubrication System	
Type of lube oil filter	Full flow spin on type
Oil to be used	Multi grade 15W40
Oil pump type	Through G-rotor gear pump
Lub oil sump capacity (lit)	11
Lube oil consumption	0.3% of fuel consumption

Cooling System	
Cooling system capacity (lit)	24
Water pump type	Centrifugal
Radiator fan load (hp)	3.5

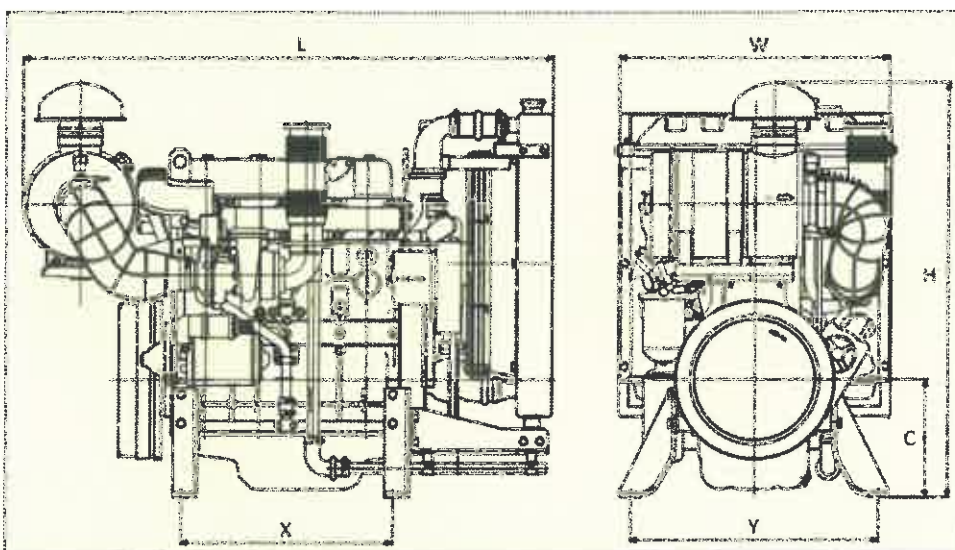
Electrical System	
Starting Arrangement	12V Electric
Starter	12V Electric
Starter Battery Rating	135 Amp-hr
Battery charging alternator	Engine mounted 12V battery charger
Battery charger amps	35

Power, Performance, Peace of Mind.



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Dimensions in mm					
L	W	H	C	X	Y
1426	732	1122	285	513.5	600

Weight Details	
Engine weight without radiator Gross / Net (kg)	570 / 460
Radiator and accessories weight Gross / Net (kg)	77 / 60

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

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	
Engine Make	Kirloskar
Engine Model	4R1040
Number of cylinders	4
Configuration	Inline
Type	Four stroke
Bore x Stroke (mm)	105 x 120
Displacement (cc)	4160
Cooling	Water cooled
Aspiration	Naturally Aspirated
Compression Ratio	18 : 1
Starting Arrangement	12V Electric

Fuel System	
Type of fuel filter	Two stage spin on type
Governor Type	Mechanical
Class of Governing	ISO 3046 Class A1 & ISO 8528-5, Class G2
Fuel pump type	Inline
Fuel pump make	MICO - BOSCH
Recommended Fuel	Class A2, High speed diesel
Specific fuel consumption gm/bhp-hr (gm/kW-hr)	160 (217)
Fuel consumption at 100% load +5% tolerance (lit/hr)	10.73
Fuel consumption at 75% load +5% tolerance (lit/hr)	8.05
Fuel consumption readings are based on diesel fuel with a specific gravity of 0.85 and conforming to BS 2869, Class A2)	

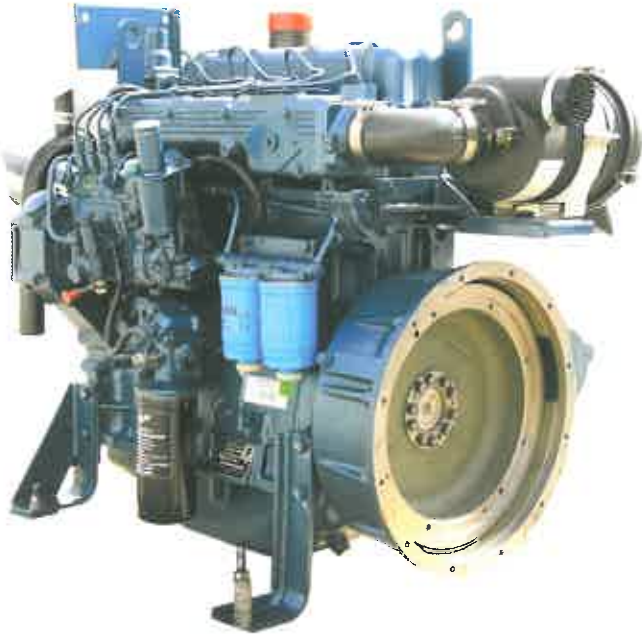
Air System	
Air Filter Type	Dry type replaceable element
Air Volume required for Ventilation (m ³ /hr)	5554
Combustion air flow (m ³ /hr)	187
Total Air Flow required for ventilation (m ³ /hr)	6061
Total Fresh air required (m ³ /hr)	5555

Lubrication System	
Type of lube oil filter	Full flow spin on type
Oil to be used	Multi grade 15W40
Oil pump type	Through G-rotor gear pump
Lub oil sump capacity (lit)	11
Lube oil consumption	0.3% of fuel consumption

Cooling System	
Cooling system capacity (lit)	18
Water pump type	Centrifugal
Radiator fan load (hp)	4

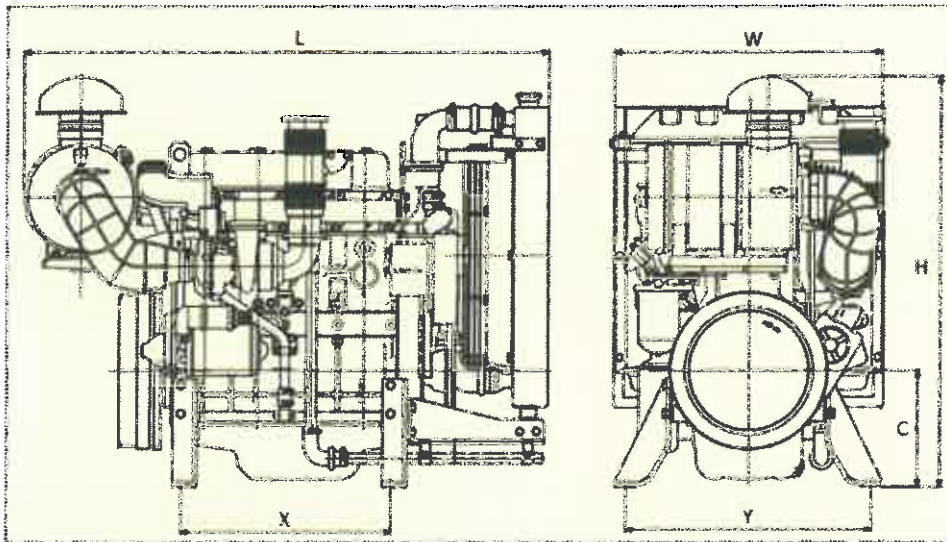
Electrical System	
Starting Arrangement	12V Electric
Starter	12V Electric
Starter Battery Rating	100 Amp-hr
Battery charging alternator	Engine mounted 12V battery charger
Battery charger amps	35

Power, Performance, Peace of Mind.



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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

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	
Engine Make	Kirloskar
Engine Model	DV8
Number of cylinders	8
Configuration	V-type
Type	Four stroke
Bore x Stroke (mm)	130 x 150
Displacement (cc)	15910
Cooling	Water cooled
Aspiration	Turbocharged After cooled
Compression Ratio	16.5 : 1
Starting Arrangement	24V Electric

Fuel System	
Type of fuel filter	Spin on type
Governor Type	Electronic
Class of Governing	ISO 3046 Class A0 & ISO 8528
Fuel pump type	Inline
Fuel pump make	KIRLOSKAR
Recommended Fuel	Class A2, High speed diesel
Specific fuel consumption gm/bhp-hr (gm/kW-hr)	143 (198)
Fuel consumption at 100% load +5% tolerance (lit/hr)	80.38
Fuel consumption at 75% load +5% tolerance (lit/hr)	61.55
Fuel consumption readings are based on diesel fuel with a specific gravity of 0.85 and confirming to BS 2869, Class A2)	

Air System	
Air Filter Type	Dry type replaceable element
Air Volume required for Ventilation (m ³ /hr)	27720
Combustion air flow (m ³ /hr)	1980
Total Air Flow required for ventilation (m ³ /hr)	27720
Total Fresh air required (m ³ /hr)	29700

Lubrication System	
Type of lube oil filter	Full flow spin on type
Oil to be used	Multi grade 15W40 (CF4 or better)
Oil pump type	Through G-rotor gear pump
Lub oil sump capacity (lit)	41
Lube oil consumption	0.12% of fuel consumption

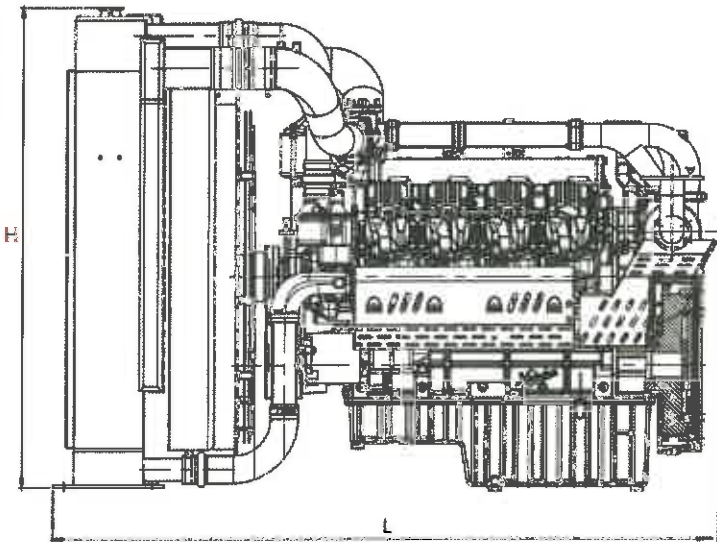
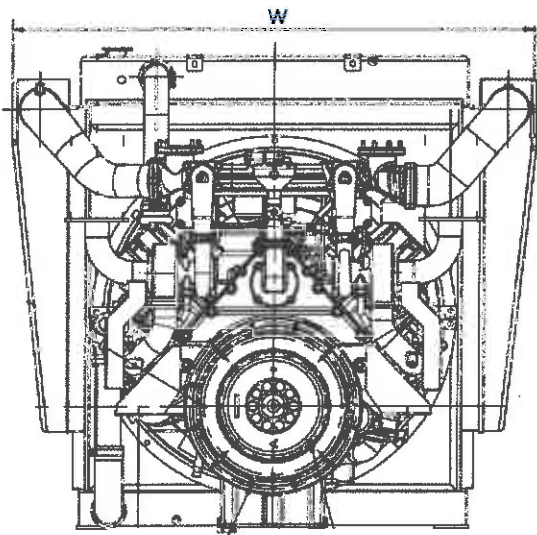
Cooling System	
Cooling system capacity (lit)	123
Water pump type	Centrifugal
Radiator fan load (hp)	13.6

Electrical System	
Starting Arrangement	24V Electric
Starter	24V Electric
Starter Battery Rating	2x180 Amp-hr
Battery charging alternator	Engine mounted 24V battery charger
Battery charger amps	45



Features

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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