## C LG13.8F Powered by Perkins

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Model	Frequency/RPM	Standby Power	Prime Power	
	©	11KW	10KW     10KW	
LG13.8P	50Hz/1500RPM	13.75KVA	12.5KVA	
* \ /altaraa: 220/				

\* Voltages: 230/400V

(1) Prime Power: Ratings are as per DIN 6271,BS55114 and ISO-3046 with 10% overload capacity.

(2) Standby Power: Power available at variable load for up to a max. of 500 hours during one year of which 300 hours may be for continuous use. (3) Operation at Altitude  $\leq 1000$ m. Ambient temperature  $\leq 40$  °C) if altitude higher than 1000m, each 300m will cause additional de-ratio 4%. ause additional de-rating 4%

(J) Operation at Attitude	$+0 \cup 1.11$ allitude filgrief trait	TUUUIII, Eau	I JUUIII WIII Cause auu
	, 0		

General Characteristics			
Model	LG13.8P		©
Engine	perkins 403D-15G		6
Alternator	Stamford or Lega		
Speed Control Type	Electrical		
Phase	3	F	
System Voltage	12	l.	
Frequency o	50Hz		
Engine Sped(RPM)	1500	©	
Controller Model	AMF InteliLite 9 or D	EEPSEA DSE6020)	

Dimensio	ns			
DIMENSIO	N N	OPEN TYPE	SILENT TYPE	
Length	(L)	1550mm	2000mm	
Width	(W)	730mm	730mm	
Height	(H)	1300mm	1140mm	
Net Weight	(KG)	530kg	640kg	



**ISO** 9001)

## C LEEGA®

Experience       Image: Construction         Trand       Perkins         Available       4030-156         No.of Cylinders and Cycle       31/3 4 Stocke         Compression Ratio       42.5-1         Displacement (L)       4.496         Deve Stroke (mm)       49.6         Piston Speed (ft/R)       4.5         Art Intake Flow (L/s)       18.3         Extrang Flow (L/s)       18.3         Extrang Flow (L/s)       0.63         Base Output Power (kW)       40         Model       5.5         50% load       5.6         50% load       5.5         50% load       5.6         50% load		R		15 18 3 UT 19	~ ~
Image: constraint of the second system       Max contact cycle       Perkins         Model       403D+15C         Model       403D+15C         Model       403D+15C         Model       22.51         Displacement (L)       1.496         Bore x Stroke (mm)       84 x 90         Piston Speed (mk)       4.5         Air Intake Flow (L/s)       18.3         Exhaust Flow (L/s)       18.3         Exhaust Flow (L/s)       0.63         Base Output Power (kW)       40         100% load       7.5         50% load       5.5         50% load       4.4					
Engine Specification         Brand       Perkins         Model       403D-156         No. of Cylinders and Cycle       3L.4 Stroke         Compression Ratio       22.51         Displacement (L)       1.498         Bora X Stroke (mm)       8.4 x 90         Piston Speed (m(s)       4.5         Air Intake Flow (L/s)       18.3         Exhaust Flow (L/s)       18.3         Exhaust Flow (L/s)       0.63         Base Output Power (WV)       40         Togins Coolant Flow (L/s)       0.63         Base Output Power (WV)       40         100% load       5.5         50% load       5.5         100% load       5.5         50% l				SGS/	
Brand       Perkins         Model       403Dp15C         No. of Cylinders and Cycle       31, 4 Stroke         Compression Ratio       22,51         Displacement (L)       1,496         Bore x Stroke (mm)       84 x 90         Piston Speed (m/s)       4.5         Air Intake Flow (L/s)       18.3         Exhaust Flow (L/s)       45         Net Engine Weight (kg)       197         Starting System       Electronic         Engine Coolant Flow (L/s)       0.63         Base Output Power (KW)       40         Model       6.8         Consumption (L'h)       100% load       5.5         Type (L'h)       4.4         Cooling System       Max.coolant cycling resistance exterior angine(kPA)       tba         Thermostat adjusting temperature (L)       82-95         Minimum Pressure of Radiator Cap (kPA)       90         Cooling System       Low idle (kPA)       120         Rated speed (kPA)       359         Max. oil temperature permitted in oil pan (T)       125         Lubrication system       Max. Back Pressure (kPA)       10/2         System       Max. oil temperature permitted in oil pan (T)       12					
Brand       Perkins         Model       403D_15G         No, of Cylinders and Cycle       31, 4 Stroke         Compression Ratio       22,5:1         Displacement (L)       1,496         Bore x Stroke (mm)       84 x 90         Piston Speed (m/s)       4.5         Air Intake Flow (L/s)       18.3         Exhaust Flow (L/s)       45         Net Engine Weight (kg)       197         Starting System       Electronic         Engine Coolant Flow (L/s)       0.63         Base Output Power (KW)       40         Mo% load       7.5         Tuel       100% load       6.8         Consumption       100% load       5.5         Type (L/s)       0.63       82-95         Minimum Pressure of Radiato Cap (kPA)       tba         Thermostat adjusting temperature (%)       82-95         Minimum Pressure of Radiator Cap (kPA)       90         Cooling System       Low idle (kPA)       120         Rated speed (kPA)       359         Max. oil temperature permitted in oil pan (%)       45         Lubrication system Max. Back Pressure (kPA)       102         Exhaust System       Max. Back Pressure (kPA)       102	Engine Specification	on	¢		
Model         403D-15C           No. of Cylinders and Cycle         3L 4 Stroke           Compression Ratio         22.5/1           Displacement (L)         1.496           Box x Stroke (mm)         84 x 90           Piston Speed (m/s)         4.5           Air Intake Flow (L/s)         18.3           Exhaust Flow (L/s)         45           Net Engine Weight (kg)         197           Starting System         Electronic           Engine Coolant Flow (L/s)         0.63           Base Output Power (kW)         40           You and the start of th			Perkins		
Compression Ratio       22,5/1         Displacement (L)       1,496         Bore x Stroke (mm)       84 x 90         Piston Speed (m/s)       4.5         Air Intake Flow (L/s)       18.3         Exhaust Flow (L/s)       45         Net Engine Weight (kg)       197         Starting System       Electronic         Engine Coolant Flow (L/s)       0.63         Base Output Power (W)       40         100% load       7.5         100% load       6.8         75% load       5.5         50% load       4.4         Max.coolant cycling resistance exterior engine(kPA)         Thermostat adjusting temperature (°)       82-95         Minimum Pressure of Radiator Cap (kPA)       90         Coolant capacity-engine only(L)       2.6         Lubricating       Rated speed (kPA)       359         System       Max. oil temperature permitted in oil pan (°C)       125         Lubrication system Min. capacity (L)       4.6         Exhaust System       Max Back Pressure (kPA)       10.2         Starter (v)       12					
Displacement (L)       1,496         Bore x Stroke (mm)       84 x 90         Piston Speed (m/s)       4.5         Air Intake Flow (L/s)       18.3         Exhaust Flow (L/s)       45         Net Engine Weight (kg)       197         Starting System       Electronic         Engine Coolant Flow (L/s)       0.63         Base Output Power (KW)       40         100% load       7.5         Fuel       100% load       6.8         Consumption       75% load       5.5         50% load       4.4         Max.coolant cycling resistance exterior engine(kPA)         Thermostat adjusting temperature (%)       82-95         Minfimum Pressure of Radiator Cap (kPA)       90         Coolant capacity-engine only(L)       2.6         Lubricating       System       120         Rated speed (kPA)       120         Rated speed (kPA)       359         Max. oil temperature permitted in oil pan (°C)       125         Lubrication system       Max Back Pressure (kPA)       10.2         Starter (v)       12	No. of Cylinders and	Cycle	3L, 4 Stroke		
Bore x Stroke (mm)       84 x 90         Piston Speed (m/s)       4.5         Air Intake Flow (L/s)       18.3         Exhaust Flow (L/s)       45         Net Engine Weight (kg)       197         Starting System       Electronic         Engine Coolant Flow (L/s)       0.63         Base Output Power (kW)       40         100% load       6.8         Consumption (L/h)       75% load         75% load       5.5         50% load       4.4         Max.coolant cycling resistance exterior engine(kPA)         that mostat adjusting temperature (%)       82-95         Minimum Pressure of Radiator Cap (kPA)       90         Coolant capacity-engine only(L)       2.6         Lubricating       Rated speed (kPA)       120         Rated speed (kPA)       120         Rated speed (kPA)       359         System       Max. coil temperature permitted in oil pan (°C)       125         Lubricating       Max. and temperature permitted in oil pan (°C)       125         Lubricating System       Max. Back Pressure (kPA)       10.2         Exhaust System       Max. Back Pressure (kPA)       10.2         Exhaust System       Starter (V)       12 </td <td></td> <td></td> <td>22.5:1</td> <td>©</td> <td></td>			22.5:1	©	
Piston Speed (m/s)       4.5         Air Intake Flow (L/s)       18.3         Exhaust Flow (L/s)       45         Net Engine Weight (kg)       197         Starting System       Electronic         Engine Coolant Flow (L/s)       0.63         Base Output Power (kW)       40         100% load       7.5         Fuel Consumption (L/s)       100% load         75% load       5.5         50% load       4.4         Max.coolant cycling resistance exterior engine(kPA)         that       Thermostat adjusting temperature (C)         Rated speed (kPA)       90         Cooling System       Low idle (kPA)         Lubricating       Rated speed (kPA)         System       Max. oil temperature permitted in oil pan (TC)         Lubricating       Max. ail temperature permitted in oil pan (TC)         Exhaust System       Max. Back Pressure (kPA)         Max. Back Pressure (kPA)       102         Exhaust System       Max. Back Pressure (kPA)         Ibertrical System       Max. Back Pressure (kPA)         Ibertrical System       Max. Back Pressure (kPA)         Ibertrical System       Starter (V)	Displacement (L)		1.496		
Air Intake Flow (L/s)       18.3         Exhaust Flow (L/s)       45         Net Engine Weight (kg)       197         Starting System       Electronic         Engine Coolant Flow (L/s)       0.63         Base Output Power (kW)       40         100% load       7.5         Consumption (L/h)       75% load         75% load       5.5         50% load       4.4         Max.coolant cycling resistance exterior engine(kPA)         that may be a starting temperature (C)       82-95         Minimum Pressure of Radiator Cap (kPA)       90         Coolant capacity-engine only(L)       2.6         Lubricating       Low idle (kPA)       120         Rated speed (kPA)       359         Max. oil temperature permitted in oil pan (TC)       125         Lubrication system Min. capacity (L)       4.5         Exhaust System       Max Back Pressure (kPA)       10.2         Electrical System       Max Back Pressure (kPA)       10.2	Bore x Stroke (mm)		84 x 90		
Exhaust Flow (L/s)       45         Net Engine Weight (kg)       197         Starting System       Electronic         Engine Coolant Flow (L/s)       0.63         Base Output Power (kW)       40         100% load       7.5         Consumption (L/h)       100% load       6.8         75% load       5.5         50% load       4.4         Max.coolant cycling resistance exterior engine(kPA)         that       Thermostat adjusting temperature (C)       82-95         Minimum Pressure of Radiator Cap (kPA)       90       Coolant capacity-engine only(L)       2.6         Lubricating       Low idle (kPA)       120       120         Rated speed (kPA)       359       359         Max. oil temperature permitted in oil pan (°C)       125       125         Lubricating System       Max. Back Pressure (kPA)       10/2         Electrical System       Max. Back Pressure (kPA)       10/2		r 103			
Net Engine Weight (kg)       197         Starting System       Electronic         Engine Coolant Flow (L/s)       0.63         Base Output Power (kW)       40         Fuel       10% load       7.5         Consumption (L/h)       10% load       5.5         (L/h)       50% load       5.5         50% load       4.4         Max.coolant cycling resistance exterior engine(kPA)       tba         Thermostat adjusting temperature (C)       82-95         Minimum Pressure of Radiator Cap (kPA)       90         Coolant capacity-engine only(L)       2.6         Lubricating System       Eaded kPA)       359         Max. oil temperature permitted in oil pan ('C)       125         Lubrication system Min. capacity (L)       4/5         Exhaust System       Max Back Pressure (kPA)       10.2         Electrical System       Starter (V)       12				¢.	
Starting System       Electronic         Engine Coolant Flow (L/s)       0.63         Base Output Power (kW)       40         Fuel Consumption (L/h)       110% load       7.5         100% load       6.8         75% load       5.5         50% load       4.4         Max.coolant cycling resistance exterior engine(kPA)         tba       Thermostat adjusting temperature (C)         82-95       Minimum Pressure of Radiator Cap (kPA)       90         Cooling System       Low idle (kPA)       120         Rated speed (kPA)       359       359         Max. oil temperature permitted in oil pan (°C)       125         Lubricating System       Max. Back Pressure (kPA)       10.2         Exchaust System       Max. Back Pressure (kPA)       10.2					
Engine Coolant Flow (L/s)0.63Base Output Power (kW)40Fuel Consumption (L/h)110% load7.5Fuel Consumption (L/h)100% load6.875% load5.550% load4.4Max.coolant cycling resistance exterior engine(kPA)tbatbaThermostat adjusting temperature (C)82-95Minimum Pressure of Radiator Cap (kPA)90Cooling SystemLow idle (kPA)120Lubricating SystemRated speed (kPA)359Max. oil temperature permitted in oil pan (°C)125Lubrication system Min. capacity (L)4.5Exhaust SystemMax. Back Pressure (kPA)10.2Electrical SystemStarter (V)12		g)			
Base Output Power (kW)       40         Fuel Consumption (L/h)       100% load       6.8         75% load       5.5         50% load       4.4         Max.coolant cycling resistance exterior engine(kPA)         that       Thermostat adjusting temperature (C)         Max.coolant cycling resistance exterior engine(kPA)       90         Cooling System       Thermostat adjusting temperature (C)       82-95         Minimum Pressure of Radiator Cap (kPA)       90         Coolant capacity-engine only(L)       2.6         Lubricating       Low idle (kPA)       120         Rated speed (kPA)       359         Max. oil temperature permitted in oil pan (C)       125         Lubrication system Min. capacity (L)       4.5         Exhaust System       Max Back Pressure (kPA)       10.2         Flectrical System       Starter (V)       12		(1.(2))			
Fuel Consumption (L/h)       110% load       7.5         100% load       6.8         75% load       5.5         50% load       4.4         Max.coolant cycling resistance exterior engine(kPA)         themostat adjusting temperature (C)       82-95         Minimum Pressure of Radiator Cap (kPA)       90         Coolant capacity-engine only(L)       2.6         Lubricating System       Low idle (kPA)       120         Rated speed (kPA)       359         Max. oil temperature permitted in oil pan (C)       125         Lubrication system       Max. Back Pressure (kPA)       10.2         Exhaust System       Starter (V)       12					· · · · · · · · · · · · · · · · · · ·
Fuel Consumption (L/h)100% load6.875% load5.550% load4.4Max.coolant cycling resistance exterior engine(kPA)tbaThermostat adjusting temperature (°C)82-95Minimum Pressure of Radiator Cap (kPA)90Coolant capacity-engine only(L)2.6Lubricating SystemLow idle (kPA)120Rated speed (kPA)359Max. oil temperature permitted in oil pan (°C)125Lubrication system Min. capacity (L)4.5Exhaust SystemMax Back Pressure (kPA)10.2Electrical SystemStarter (V)12	Base Output Power (	· ·			
Consumption (L/h)75% load5.550% load4.4Max.coolant cycling resistance exterior engine(kPA)tbaMax.coolant cycling resistance exterior engine(kPA)tbaThermostat adjusting temperature (°)82-95Minimum Pressure of Radiator Cap (kPA)90Coolant capacity-engine only(L)2.6LubricatingLow idle (kPA)120Rated speed (kPA)359Max. oil temperature permitted in oil pan (°C)125Lubrication system Min. capacity (L)4.5Exhaust SystemMax. Back Pressure (kPA)10.2Flectrical SystemStarter (V)12					
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Cooling SystemMax.coolant cycling resistance exterior engine(kPA)tbaThermostat adjusting temperature (C)82-95Minimum Pressure of Radiator Cap (kPA)90Coolant capacity-engine only(L)2.6LubricatingLow idle (kPA)System120Rated speed (kPA)359Max. oil temperature permitted in oil pan (°C)125Lubrication system Min. capacity (L)4.5Exhaust SystemMax. Back Pressure (kPA)Starter (V)12	(L/II)				
Cooling SystemThermostat adjusting temperature (°C)82-95Minimum Pressure of Radiator Cap (kPA)90Coolant capacity-engine only(L)2.6Lubricating SystemLow idle (kPA)Rated speed (kPA)359Max. oil temperature permitted in oil pan (°C)125Lubrication system Min. capacity (L)4.5Exhaust SystemMax. Back Pressure (kPA)10.2Electrical SystemStarter (V)12					
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Cooling SystemMinimum Pressure of Radiator Cap (kPA)90Coolant capacity-engine only(L)2.6Lubricating SystemLow idle (kPA)120Rated speed (kPA)359Max. oil temperature permitted in oil pan (°C)125Lubrication system Min. capacity (L)4.5Exhaust SystemMax. Back Pressure (kPA)10.2Electrical SystemStarter (V)12		(A)			
Coolant capacity-engine only(L)2.6Lubricating SystemLow idle (kPA)120Rated speed (kPA)359Max. oil temperature permitted in oil pan (°C)125Lubrication system Min. capacity (L)4.5Exhaust SystemMax. Back Pressure (kPA)10.2Electrical SystemStarter (V)12	Cooling System				
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Lubricating       Rated speed (kPA)       359         System       Max. oil temperature permitted in oil pan (°C)       125         Lubrication system Min. capacity (L)       4.5         Exhaust System       Max. Back Pressure (kPA)       10.2         Electrical System       Starter (V)       12					
System       Max. oil temperature permitted in oil pan (°C)       125         Lubrication system Min. capacity (L)       4.5         Exhaust System       Max. Back Pressure (kPA)       10.2         Electrical System       Starter (V)       12					
Induction comportation permitted in on pair (control permitted in on pair (cont		· · · · · · · · · · · · · · · · · · ·			
Exhaust System       Max. Back Pressure (kPA)       10.2         Electrical System       Starter (V)       12	System			125	
Electrical System Starter (V) 12	®	Lubrication system Min	n. capacity (L)		
Electrical System	Exhaust System	Max. Back Pressure (H	kPA)	10.2	œ
Electrical System     Battery charging system (A)     65		Starter (V)		12	
	Electrical System	Battery charging syste	•m (A)	65	10
			©		
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				((ISO)))	E
				©	
Alternator Specification	Alternator Specific	ation			
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			8	
	Connection type (standard)		STAR	
	Insulation	œ	Class" H"	
	Enclosure (according IEC-34-5)		IP23	
	Exciter system		Shunt or Arep	
	Voltage regulator		A.V.R. (Electronic)	
	Bracket type		Single bearing	
	Coupling system		Flexible disc	
	Coating type		Standard (Vacuum impregnation)	
	*Alternator meets BS EN 60034 and the relevant section of other AS1359.	r international st	andards such as BS5000, VDE 0530, NEMA MG1-32, IEC34, CSA C	22.2 and
			©	
	Options		V.) V	
	Engine		Alternator	
	Jacket Water Preheater		Winding temperature measuring instrument	
	Oil Preheater		Alternator Preheater	
©			<ul> <li>Anti-damp and anti-corrosion treatment</li> <li>Anti-condensation heater</li> </ul>	
	Generator Sets			
	Tools with the machine			
			Canopy	CV CV
	Fuel System		Rental type canopy     Trailer	
	Low fuel level alarm			
	Automatic fuel feeding system		Exhaust System	·
	Fuel T-valves		Protection board from heat	
			®	
	Control Panel		Cooling System	
	Remote control panel		Front heat protection	
	• ATS		• Coolant (-30℃)	
•	Remote controller		Lubricating System	
	Synchronizing controller		With machine oil	
4			e	
				©
	Note: This drawing is provided for reference on	ly and shoul	d not be used for planning installation.Contact your	
	®	ry and shour	a not be used for planning installation.contact your	
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	Standard Controller (ComAp AMF20 or	DEEPSEA	DSE6020)	
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				3 of 4

