

CUMMINS GENSET

POWERED BY 4B3.9-G2

Leroy Somer LSA42.3 VS3

Power 30 KVA



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SPECIFICATIONS

FEATURES:

- Composed of CUMMINS diesel engine and Stamford or Leroy Somer or Keypower brushless alternator
- 24V DC start motor and storage battery
- Brushless, Self-excited, IP23, insulation class H alternator
- 50°C radiator as standard
- Key start panel control system as standard, digital auto-start panel is optional
- Base fuel tank
- Optional open type or silent type
- All generator sets are gone through rigorous testing before being released to the market place, including 50% load, 75% load, 100% load, 110% load and all protection function (overspeed stop, high water temperature, low oil pressure, battery charging fail, emergency stop)

GENSET MODEL	Genset Specification					Engine Specification				Alternator Model
	KVA		Cons 100% (L/H)	dB(A) @7m	Tank (L)	Model	Cyl.	Gov.	Asp.	
	ESP	PRP								
KP-C30P	33	30	7.4	70	170	4B3.9-G12	4	E	NA	LSA42.3 VS3

- 1) Available in various voltages
- 2) To show KEYPOWER Generating Sets Model

KP-C30P, it is the Prime power 30kva generating set.

3) ESP=Standby power standby duty, operation under variable load, without overload.

PRP=Prime power continuous duty operation, under variable load, 10% overload permissible 1/12hr.

4) E=Electronic speed governor;

M=Mechanical speed governor

5) Asp=Aspiration;

NA=Naturally Asp;

TC=Turbocharged;

TW=Turbocharged after cooled;

TCA= Turbocharged air-air after cooled

- 6) Technical data is subject to work test conditions

PERFORMANCE RELIABLE:

Voltage regulation

Voltage regulation maintained within $\pm 0.5\%$ as follow:

- Power factor Between 0.8~1.0 lag
- From no load to full load, any steady load
- Speed droop variation under 4.5%

Frequency/Speed undulation

- Change load from 0-100%, Frequency/Speed Droop Ratio within 5%.
- Load from 25-100%, any steady load Frequency/Speed undulation within 1.5%

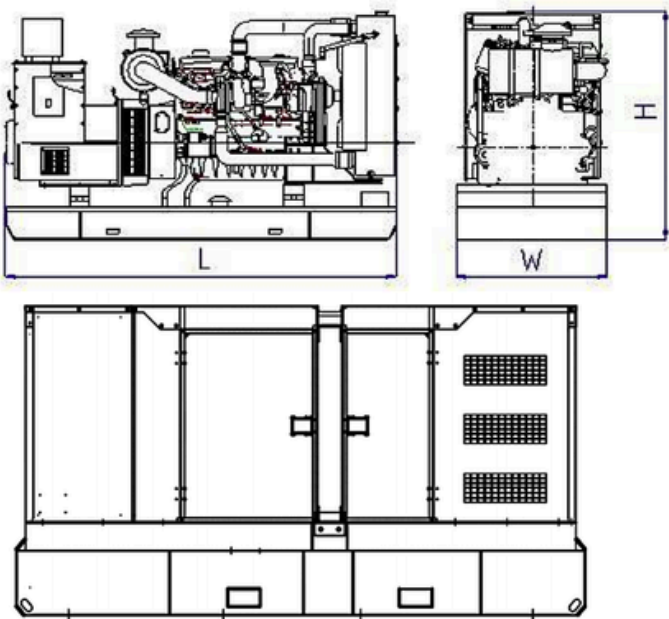
Effect factor of telecom

- TIF(MA MG1-22) better than 50
- THF(BS EN60034) better than 2%

CRITERION

- ISO8528, GB/T2820
- EN12601:2001, EN60034-22:1997, EN60204-1:2006
- ISO9001:2000 QUALITY CONTROL SYSTEM

DIMENSION & WEIGHT



Open Type
 Overall size (L*W*H)
 1750*860*1375
 Weight: 800kg

Silent Type
 Overall size (L*W*H)
 2252*960*1505
 Weight: 1145kg



ENGINE SPECIFICATION

CUMMINS DIESEL ENGINE

Engine Model	4B3.9-G12
Number of Cylinders	4
Cylinder arrangement	Vertical in-line
Cycle	Four stroke
Aspiration	Naturally Aspirated
Bore×Stroke (mm×mm)	102*120
Displacement (Liter)	3.9
Compression Ratio	18:01
Prime Power/Speed (kW/rpm)	27/1500RPM
Standby Power/Speed (kW/rpm)	30/1500RPM
Speed Governor	Electronic
Cooling System	Water-cooled, 50°C radiator as standard
Speed Stability (%)	≤3%
Total lubrication system capacity (L)	11
Coolant capacity (without radiator) (L)	7.2
Fuel Consumption at 100% Load (L/H)	7.4
Starter Motor	DC24V
Start type	Electrical

TECHNICAL DATA

Alternator Model	LSA42.3 VS3
Exciter type	Brushless, Self-excited
Power factor	0.8
Voltage Adjust range	≥5%
Voltage Regulation NL-FL	≤±1.0%
Insulation Grade	H
Protection Grade	IP23

CONTROL SYSTEM

Providing the standard functions as follows:

(Also can be made according to the customers' special requirements)

- * Automatic Start/Stop
- * Settings can be adjustable via key buttons on front panel
- * 3 start attempts failure and Automatic Crank Disconnect
- * Parameters display (V/A/Hz/Hour)
- * Engine monitoring and protection
- * Charge alternator exciting and Charge alternator fail alarm
- * Running hour counting
- * Emergency stop pushbutton
- * Alarm System: Over speed、High Engine Temperature
Low Oil Pressure、Charge Fail
- * Protection System: Over speed、High Engine Temperature、Low Oil Pressure、Emergency Stop. And the other protection function pre-setting

Digital Auto-start Generator controller integrating digital, intelligent and network techniques is used for automatic control system of diesel generator. It can carry out functions including automatic start/stop, data measure and alarming. Optionally assembled with the ATS, it can carry out auto-switching between the outer power and generating set power. (AMF)

2. Option: Deepsea DSE7320 AMF Digital Auto Start

3. Option: ComAp AMF25 Digital Auto Start

4. Option: Deepsea DSE3110 Digital Auto Start



(1) 6120



(2) DSE7320



(3) AMF25



(4) DSE3110