

GENERATOR CHARACTERISTICS

PRIME

STANDBY

Power	kVA	45	50
Power	kW	36	40
Standart Voltage	V	400/230	400/230
Revolution Per Minute	r.p.m	1500	1500
Rated At Power Factor	Cos Phi	0,8	0,8

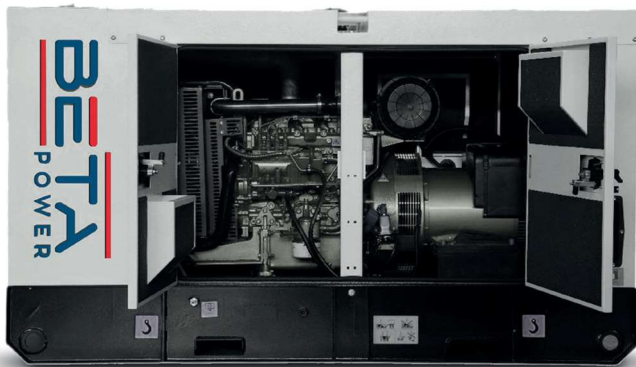
STANDBY POWER

Supplying of electrical power at variable load, in the event of normal utility power failure according to ISO85281.

This rating is maximum power, no overload capability is available.

PRIME POWER

Supplying of electrical power at variable load for an unlimited number of hours in the event of normal utility powerfailure according to ISO85281. 10% over load capability is available.



STANDART FEATURES

- 4 stroke 1500RPM, water cooled heavy duty diesel engine
- Dry type replacable air filter
- Heatresistant radiator for 50 °C
- Flexible oil pipes and oil draining valve
- Preheater 4 poles synchrontype, single bearing, brushless alternator
- Electrical wiring diagram User manual and operating manual
- Fuel tank housed in the chassis Industrial type silencer

- Electrostatic paint coated, steel, welded chassis
- Electronic battery charger
- Batteries and cables
- Protection system on manual run
- Lubrication oil and anti – freeze
- Soundproof canopy
- Circuit Breaker - Electronic ABB



LEROY-SOMER™



BTA50CM

ENGINE CHARACTERISTICS

Manufacturer	Cummins
Model	4BT3.9-G1
Type	In-line
Stand-by Power	<i>kW/m</i> 40kw /54HP
Prime Power	<i>kW/m</i> 36kw /48HP
No. of cylinder	4
Displacement	<i>lt</i> 3,9
Cooling System	Water Cooling
Bore x Stroke	<i>mm</i> 102X120
Compression Ratio	18.0:1
Aspiration	Turbocharged, Aftercooler
Induction system	Electronic

ELECTRICAL SYSTEM

Electrical System	<i>VDC</i>	12
Starter		DC24V
Charge Alternator Current	<i>A</i>	40

COOLING SYSTEM

Coolant Capacity Standard	<i>lt</i>	133.5
Thermostat Coolant Alarm	<i>°C</i>	82-95
Temperatur	<i>°C</i>	104

FUEL SYSTEM

Lubricant Oil Capacity	<i>lt</i>	10,9
Fuel Consumption Under 100% Load	<i>lt/h</i>	10
Fuel Consumption Under 75% Load	<i>lt/h</i>	7,9
Fuel Consumption Under 50% Load	<i>lt/h</i>	5,9

EXHAUST SYSTEM

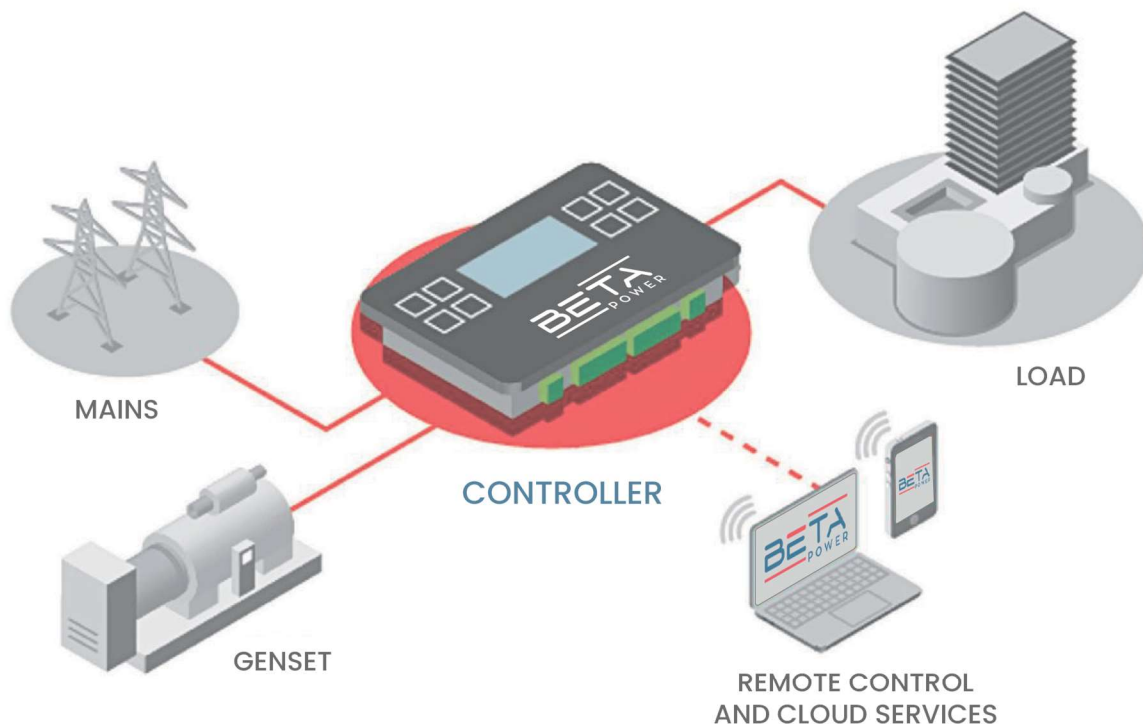
Max. Allowable Back Pressure		10kPa
Standard Exhaust	<i>mm</i>	75

ALTERNATOR CHARACTERISTICS

Manufacturer	Leroy Somer
No Of Phases	3
Power Factor	0,8
No Of Bearings	Single
No Of Poles	4
No Of Leads	6-12
Insulation Class	H
Degree Of Protection	IP23
Excitation System	AVR

CONTROL PANEL FEATURES

- Deepsea 7320
- Diesel and gas genset support
- 400Hz operation support
- 400 event logs full snapshot
- Multiple Automatic test program
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V&I
- Harmonic analysis of V&I
- Synchroscope & check synch 16Amp
- MCB & GCB outputs 8 configurable digital outputs
- Outputs expandable to 40 4 configurable analog outputs
- Battery charge run enabled
- Weekly Operation Schedule
- Dual mutual standby with equal aging of gensets
- Manual speed fine adjust some ECU's
- Automatic fuel pump control
- Disable protection feature
- Excess protection power
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Waveform display of V&I
- Battery backup real time clock Idle speed control
- All parameters front panel editable
- Multiple nominal conditions
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters
- Fuel filling counter
- Fuel consumption counter
- Free configuration software
- Allow SMS controls
- Mobile genset support
- Automatic GSM geolocation
- GPS connectivity (USB & RS232)
- Modem & ethernet diagnostic
- Configurable through USB, RS485,
- Ethernet and GPRS
- Ready for central monitoring Ethernet and GPRS





LEROY-SOMER

ABB

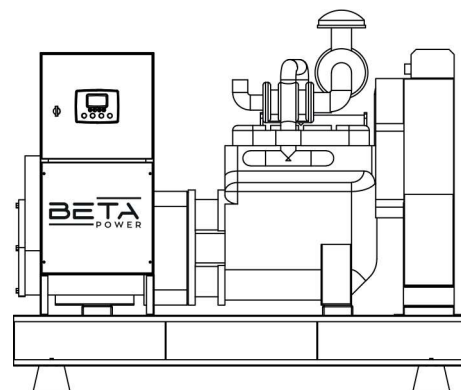
DSE DEEP SEA
ELECTRONICS



BTA50CM

OPEN TYPE DIMENSIONS

Length	mm	1991
Width	mm	730
Height	mm	1345
Weight	kg	750



CANOPIED TYPE DIMENSIONS

Length	mm	2370
Width	mm	1050
Height	mm	1250
Weight	kg	1110
Base fuel tank volume (L)	l	115
Noise Level	@7m(dB(A))	74

