

BTA50DT

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

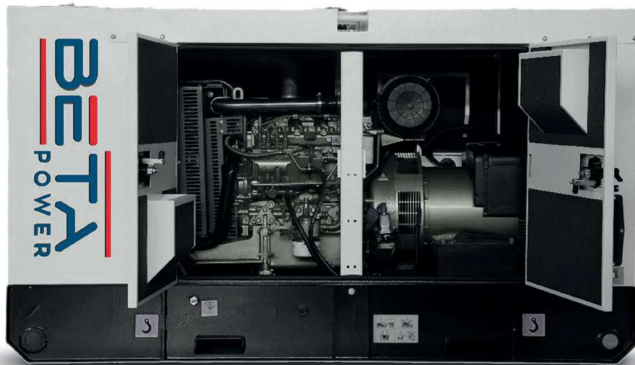
STANDBY POWER

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

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ENGINE CHARACTERISTICS

Manufacturer		DETROIT
Model		Y4102ZLD
Type		In-line
Stand-by Power	<i>kW/m</i>	50kw
Prime Power	<i>kW/m</i>	48kw
No. of cylinder		4
Displacement	<i>lt</i>	3,9
Cooling System		Water Cooling
Bore x Stroke	<i>mm</i>	102X118
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

FUEL SYSTEM

Lubricant Oil Capacity	<i>lt</i>	13
Fuel Consumption Under 100% Load	<i>lt/h</i>	13,16
Fuel Consumption Under 75% Load	<i>lt/h</i>	10,22
Fuel Consumption Under 50% Load	<i>lt/h</i>	7,57

COOLING SYSTEM

Coolant Capacity Standard	<i>lt</i>	7.2
Thermostat Coolant Alarm	<i>°C</i>	95
Temperatur	<i>°C</i>	98

EXHAUST SYSTEM

Max. Allowable Back Pressure		4,9 kPa
Standard Exhaust	<i>mm</i>	84

ALTERNATOR CHARACTERISTICS

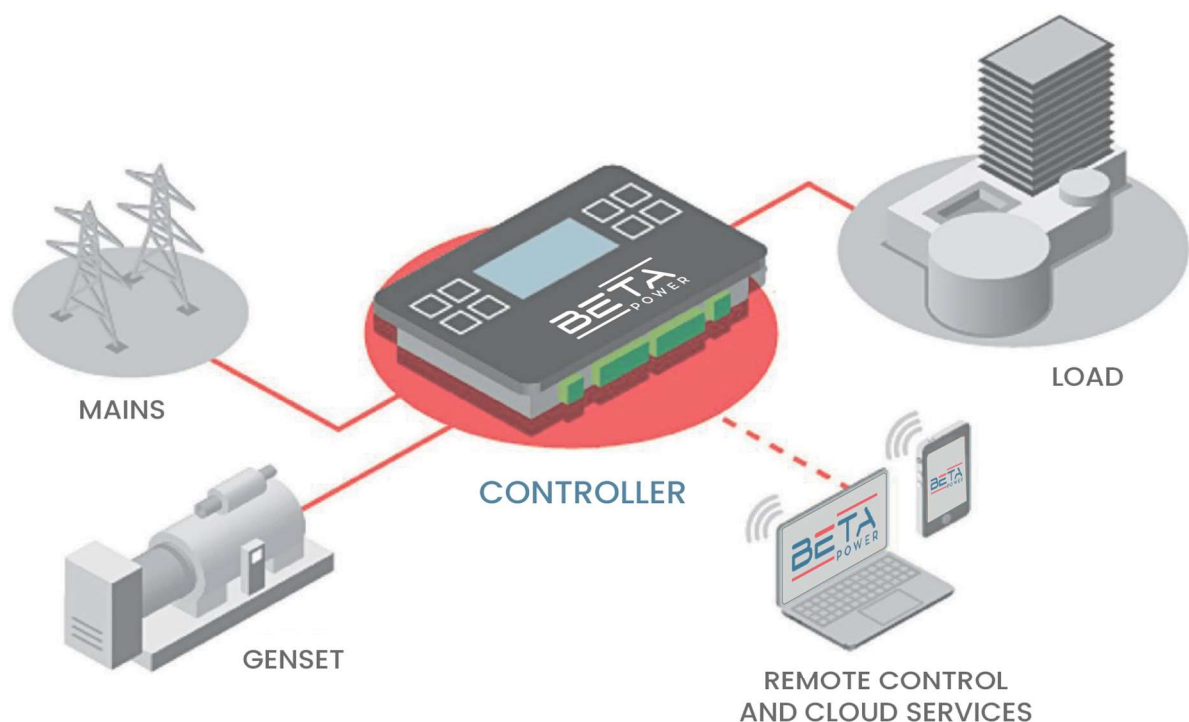
Manufacturer		BETA
No Of Phases		3
Power Factor		0,8
No Of Bearings		Single
No Of Poles		4
No Of Leads		6-12
Insulation Class		H
Degree Of Protection		IP23
Excitation System		AVR

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

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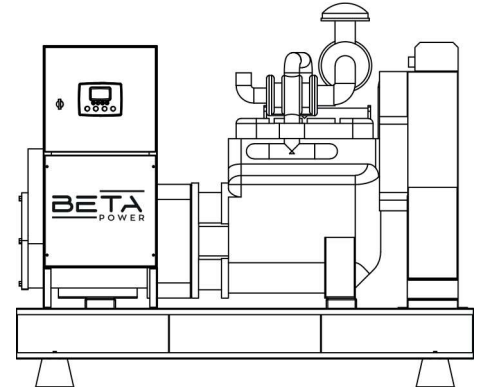
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Waveform display of V&I
- Battery backup real time clock Idle speed control
- All parameters front panel editable
- Multiple nominal conditions
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power 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



BTA50DT

OPEN TYPE DIMENSIONS

Length	mm	1860
Width	mm	730
Height	mm	1350
Weight	kg	850



CANOPIED TYPE DIMENSIONS

Length	mm	2300
Width	mm	960
Height	mm	1250
Weight	kg	1550
Base fuel tank volume (L)	l	75
Noise Level	@7m(dB(A))	74

