500 KVA BAUDOUIN DATA SHEET

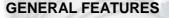
BUILD VARIATIONS

Electrical Panel Configurations:

- Auto Mains Fail & Transfer Switch
- Base Load/Manual
- Synchronised

Enclosure Options:

- Open Build
- Weather-Proof
- Sound-Attenuated
- Super Silent



- Mild Steel Canopy Enclosure –
 Fabricated, Powder-Coated, & Weather proof or Sound-Attenuated. 3CR12
 Stainless steel option also available for
 coastal regions.
- Set-mounted, integrated electrical panel, housed within canopy enclosure.
- Integrated Base Fuel Tank 500 L.
- DSE7320MKII Generator controller, & DSE Battery Charger – 12V.

CHANGEOVER (ATS) SYSTEM

- Electrically & Mechanically Interlocked Mains In / Generator Change over Configuration.
- Change-Over is integrated into the electrical panel & set-fitted into container.
- Socomec / Hager / ABB Switchgear.
- On-board 24Vdc Regulated Battery Charger



CONTROL PANEL FEATURES

- Full AMF Automatic Start on Mains fail signal. 4-way Selection: Auto / Manual-Start/ Test/ Off
- Integral Intuitive Mains (Utility) Supply and ATS Control & Monitoring
- Integral Engine / Alternator Management & 9Protection.
- Real Time Clock Provides Accurate Event Logging

OPTIONAL UPGRADE OPTIONS

- Double-skinned Base Tank
- Optional Manual / Automatic Refueling Systems Available
- Remote Change-Over panels available, complete with DSE335 Remote Signal ATS controller.
- DSE890 Remote Webnet Control & Monitoring – Modem & Aerial, set-fitted.

<u>YTRBD500 – 500KVA BAUDOUIN - TECHNICAL SPECIFICATIONS</u>:

MODEL				BD500
GROUP	GEN-SET POWER	Prime	kVA	500
		Standby	kVA	550
	Canopy Dimension	Open Build	(L/W/H)	
		Soundproof	(L/W/H)	3800mm x 1500mm x 2200mm
	Weight (Approx)	Open Build	Kg	
		Soundproof	Kg	5500KG
	Fuel Tank Capacity		Ltrs	1000
ENGINE	Brand			BAUDOUIN
	Model			6M21G550/5
	Net Engine Output	PRP	kWM	500
		ESP	kWM	550
	Speed		RPM	1500
	Cycle		3 4	Diesel 4 Stroke
	Displacement	() (Ltrs	12.54
	Number of Cylinders		-41	Six cylinders water cooled
	Bore & Stroke	100	mm x mm	127mm x 165mm
	Compression Ratio		- 0 - 5	15.5:1
	Governor Type			Electrical
	Induction	1		Turbocharged
	Combustion System			Direct Injection
	Cooling System	The same		Water-cooled radiator/fan
	Fuel Consumption	100% of PRP	L/hr	101.9 l/h
		75% of PRP	L/hr	75.3 l/h
		50% of PRP	L/hr	50.1 l/h
	Total Lubrication System Capacity		Ltrs	341
	Total Engine Coolant Capacity	AST .	Ltrs	621
ALTERNATOR	Brand	Theres		LEROY SOMER
	Model			LSAP 47.C
	Speed, Frequency & Voltage			1500 RPM 50HZ 230/400V
	Insulation			н/н
	Protection			IP 23
	Excitation			Shunt System
	Voltage Regulation			Analogue TA VR 20 + 0.8%
	Efficiency	100% Load	@ 0.8 PF	94.1
		75% Load	@ 0.8 PF	94.4
		50% Load	@ 0.8 PF	94.2
		25% Load	@ 0.8 PF	92.2
	Terminal Leads			6