

50 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



GENERAL FEATURES

- 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.

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

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

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.

YTRBD50 – 50KVA BAUDOUIN - TECHNICAL SPECIFICATIONS:

MODEL				BD50
GROUP	GEN-SET POWER	Prime	kVA	50
		Standby	kVA	55
	Canopy Dimension	Open Build	(L/W/H)	
		Soundproof	(L/W/H)	4200mm x 1500mm x 2350mm
	Weight (Approx)	Open Build	Kg	
		Soundproof	Kg	
	Fuel Tank Capacity		Ltrs	180l
ENGINE	Brand			BAUDOUIN
	Model			4M06G55/5
	Net Engine Output	PRP	kWM	55
		ESP	kWM	50
	Speed		RPM	1500
	Cycle			Diesel 4 Stroke
	Displacement		Ltrs	2.3l
	Number of Cylinders			Four cylinders water cooled
	Bore & Stroke		mm x mm	89mm x 92mm
	Compression Ratio			17.5:1
	Governor Type			Electrical
	Induction			Turbocharged
	Combustion System			Direct Injection
	Cooling System			Water-cooled radiator/fan
	Fuel Consumption	100% of PRP	L/hr	11.9 l/h
		75% of PRP	L/hr	8.9 l/h
		50% of PRP	L/hr	6 l/h
	Total Lubrication System Capacity		Ltrs	9.2l
	Total Engine Coolant Capacity		Ltrs	8.4l
ALTERNATOR	Brand			LEROY SOMER
	Model			LSAP 42 3G
	Speed, Frequency & Voltage			1500 RPM 50HZ 230/400V
	Insulation			H/H
	Protection			IP 23
	Excitation			Shunt System
	Voltage Regulation			Average
	Efficiency	100% Load	@ 0.8 PF	89.0
		75% Load	@ 0.8 PF	90.2
		50% Load	@ 0.8 PF	90.6
		25% Load	@ 0.8 PF	88.5
	Terminal Leads			6