

## 30 KVA PERKINS 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.

## YTRPK30 – 30KVA PERKINS - TECHNICAL SPECIFICATIONS:

MODEL				PK30 0
GROUP	GEN-SET POWER	Prime	kVA	300
		Standby	kVA	330
	Canopy Dimension	Open Build	(L/W/H)	
		Soundproof	(L/W/H)	2000mm x 850mm x 1150mm
	Weight (Approx)	Open Build	Kg	
		Soundproof	Kg	848KG
	Fuel Tank Capacity		Ltrs	75L
ENGINE	Brand			PERKINS
	Model			1103A-33G
	Net Engine Output	PRP	kWM	360
		ESP	kWM	400
	Speed		RPM	1500
	Cycle			Diesel 4 Stroke
	Displacement		Ltrs	16.12l
	Number of Cylinders			Three cylinders water cooled
	Bore & Stroke		mm x mm	105mm x 127mm
	Compression Ratio			19.25:1
	Governor Type			Electrical
	Induction			Naturally Aspirated
	Combustion System			Direct Injection
	Cooling System			Water-cooled radiator/fan
	Fuel Consumption	100% of PRP	L/hr	7.1 l/h
		75% of PRP	L/hr	5.4 l/h
		50% of PRP	L/hr	3.9 l/h
	Total Lubrication System Capacity		Ltrs	9.4l
	Total Engine Coolant Capacity		Ltrs	9.5l
ALTERNATOR	Brand			LEROY SOMER
	Model			LSAP 42.3C
	Speed, Frequency & Voltage			1500 RPM 50HZ 400/230V
	Insulation			H/H
	Protection			IP 23
	Excitation			Self-exciting
	Voltage Regulation			Analogue TA VR 20 + 0.8%
	Efficiency	100% Load	@ 0.8 PF	85.9
		75% Load	@ 0.8 PF	87.7
		50% Load	@ 0.8 PF	88.5
		25% Load	@ 0.8 PF	86.6
	Terminal Leads			6