

20 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.

YTRPK20 – 20KVA PARKINS - TECHNICAL SPECIFICATIONS:

MODEL				PK20
GROUP	GEN-SET POWER	Prime	kVA	20
		Standby	kVA	22
	Canopy Dimension	Open Build	(L/W/H)	
		Soundproof	(L/W/H)	1850mm x 740mm x 1000mm
	Weight (Approx)	Open Build	Kg	
		Soundproof	Kg	588KG
ENGINE	Fuel Tank Capacity		Ltrs	40L
	Brand			PERKINS
	Model			404A-22G1
	Net Engine Output	PRP	kWM	16
		ESP	kWM	17
	Speed		RPM	1500
	Cycle			Diesel 4 Stroke
	Displacement		Ltrs	2.216l
	Number of Cylinders			Four cylinders water cooled
	Bore & Stroke		mm x mm	84mm x 100mm
	Compression Ratio			23.3:1
	Governor Type			Electrical
	Induction			Naturally Aspirated
	Combustion System			Direct Injection
	Cooling System			Water-cooled radiator/fan
	Fuel Consumption	100% of PRP	L/hr	5.3 l/h
		75% of PRP	L/hr	4.0 l/h
		50% of PRP	L/hr	2.9 l/h
	Total Lubrication System Capacity		Ltrs	42l
	Total Engine Coolant Capacity		Ltrs	60l
ALTERNATOR	Brand			LEROY SOMER
	Model			TAL-A40-F
	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	93.3
		75% Load	@ 0.8 PF	93.8
		50% Load	@ 0.8 PF	93.5
		25% Load	@ 0.8 PF	91.2
	Terminal Leads			6