



100KVA Genset's Technical Datasheet

Genset Model		DYPT 100
Prime Output KVA/ KW @ 0.8 PF		100/80
Standby Output KVA/ KW @ 0.8 PF		110/88
Engine		Perkins
Engine Brand		Perkins
Engine Model		1104C-44TAG2
Engine Speed		1500rpm
Engine Prime Power Kw(m)		93.6
Engine Standby Power Kw(m)		103
Governor Type		Electronic
Number of Cylinders		4
Cycle		4 strokes
Cylinder Arrangement		Vertical in line
Bore and Stroke mm		105*127
Displacement / Cubic Capacity liters		4.41
Compression Ratio		18.2:1
Combustion System		Direct Injection
Aspiration		Turbocharged, air to air
Rotation viewed from flywheel		Anti-clockwise facing flywheel
Cooling System		(Water & anti-freeze)
Fuel Consumption		
50% Prime load L/hr.		11.2
75% Prime load L/hr.		17.1
100% Prime load L/hr.		22.6
Total Lubrication System Capacity Liters		8
Total Coolant Capacity Liters		12.6
Exhaust Temperature: °C after turbo		514
Radiator Cooling Fan Air Flow : m3/min		165.6
Recommended Intake Air Flow: m3/min		165.6
Exhaust Gas Flow: m3/min		15.2
ALTERNATOR		Leroy Somer TAL
Brand		Leroy Somer TAL
Type		TAL 044 D / LSA44.2VS45
No. of bearings		1
Insulation class		H
Wires		12
Ingress Protection		IP23
Overspeed R.P.M		2250
Voltage Regulation (steady)		±0.5%
CONTROL PANEL		DSE
Model		Deep Sea
Standard Type / other options available		DSE6110
Fuel Tank Capacity: liters		109
Aproximate Diemensions / Weight		
Open Set (L*H*W)		(200*154*90)
		Kg
		1127 KG
Soundproofed Set (L*H*W)		(260*158*110)
		Kg
		1550 KG



Perkins



LEROY-SOMER™



DSE



Standard Specifications

ENGINE



made in UK

STANDARDS

Our gensets comply with the following standards:
BS4999, BS5000, BS5514 IEC60034, VDE0530, NEMA MG
1.22 and ISO 8528.

WARRANTY

with Perkins engines our standard warranty period is
12 months or 600 working hours which ever comes first