

100.0 kVA PERKINS GENERATOR

FEATURES & BENEFITS

- Maximum 110.0 kVA, 400 V, 1500 RPM
- Industrial brushless alternator with AVR
- Steel baseframe, retention basin & fuel tank with sensor
- 145 litre tank for 8 hrs @ 75% Load
- Test report, manuals and electrical drawings supplied
- Modular design, open and silent version available
- Industrial silencer and coupling flange
- Electrical panel mounted on board the unit with digital control device installed in metal box
- Compact for easy handling and use
- World wide after sales service and technical support



ONLY ORIGINAL EQUIPMENT MANUFACTURERS (OEM) USED IN THIS BUILD

GENERAL DATA

Model:	P105CK
Continuous power (PRP):	100.0 kVA
Continuous power (PRP):	80.0 kW
Stand-by power (LTP):	110.0 kVA
Stand-by power (LTP):	88.0 kW
Power factor:	0.8
Frequency (Hz):	50 Hz
Voltage (V):	400 V
Width:	1120 mm
Length:	2650 mm
Height:	1380 mm
Weight:	1400 kgs
Tank Capacity:	145 l
dBa @ 7m:	75 dBA

ALTERNATOR

Alternator brand:	STAMFORD
Alternator model:	UCI274C
L.T.P. Power:	100 kVA
P.R.P. Power:	110 kVA
Connection:	Series star
Phases:	Three phases with neutral
Terminal Number:	12
IP Protection:	23
Alternate Alternator:	

ENGINE DATA

Brand:	PERKINS
Model:	1104C-44TAG2
Cylinders:	4
RPM:	1500
Cubic Capacity:	4.40
Air Intake:	Turbocharged
Standard Voltage:	12
SAE:	3-11½
BMEP:	1702
Cooling:	Water
Flywheel P.R.P. Power:	93.6 kW
Flywheel Stand-by Power:	102.5 kW
Oil Qty:	8.0 l
Antifreeze Qty:	7.0 l
Heat from Radiator:	46.1 kW
Heat from Exhaust:	71.7 kW
Exhaust Temperature:	514 °C
Cooling Airflow:	165.60 m³/min
Combustion Airflow:	6.01 m³/min
Exhaust Airflow:	15.20 m³/min
TA Luft / TA Luft 2:	Not available / Not available
Stage:	Not available

FUEL CONSUMPTION

Fuel Cons. at 110%:	24.9 l/h
Fuel Cons. at 100%:	22.6 l/h
Fuel Cons. at 75%:	17.1 l/h
Fuel Cons. at 50%:	11.2 l/h
Fuel Cons. at 25%:	NA

* Specs subject to change without prior notice.

* Measurements based on ISO8528-1 Standards

* Picture may vary from actual product.