Psilos
ENGINEERING OPERATIONS

24 HOUR SERVICE
7000 4994

TECHNICAL DATASHEET / CRICKET-P 105 CK

Performance

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	

VOLTAGE		
Frequency (Hz)	50	Hz
Voltage (V)	400	V

DIMENSIONS AND NOISE LEVEL		
Width	1100	mm
Length	2613	mm
Height	1280	mm
Weight	1400	kg
Sound pressure 7 m.	75.0	dBA

DATA REFERENCES

Standard reference conditions temperature 25°C, altitude 100m asl, relative humidity 30%, atmospheric pressure 100 kPa (1 bar), power factor 0.8 lag, balanced load - non distortional. Fuel consumption is nominal and refers to specific weight 0,850kg/l. Sound power values refer to free field conditions: the installation site may influence the values. Dimensions, weights and other specifications contained in the technical data sheet and related attachments are nominal, subject to tolerances and refer to the model with standard equipment; any optional and additional equipment/accessories can modify weight, dimensions, performance.

P.R.P. Prime Power-Continuous power at variable load: The power that a genset can supply in continuous service at a variable load for an unlimited number of hours per year while respecting the maintenance intervals established in the environmental conditions stated by the Manufacturer. according to ISO 8528-1. The average power supplied over time and any applicable overload must be less than the percentages stated by the Manufacturer.

L.T.P. Limited-time running power-Limited power: The maximum power that a genset can supply for a limited time respecting the maintenance intervals established in the environmental conditions stated by the Manufacturer according to ISO 8528-1. The number of hours per year is stated by the Manufacturer. Overload is not permitted.

The data contained in this document is nominal and refers to the standard equipped model and is not binding. Psilos Services reserves the right to revise the information without notice per our policy of continuous product development and improvement.

CRICKET-P 105 CK

STRONG POINTS

1. Industrial diesel engine in genset version with certificate of origin.
2. Industrial brushless alternator with AVR.
3. Steel baseframe with retention basin and modular steel fuel tank with level sensor.
4. Soundproof canopy in galvanized, power coated sheet steel.
5. Soundproofing material made of high attenuation polyester fibre.
6. Internal exhaust silencer with insulated manifold.
7. Electrical panel mounted on board the unit with digital control device installed in metal box.
8. Compact for easy handling and use.
9. Test report, manuals and electrical drawings supplied.
10. World wide after sales service and technical support.

Further details on the technical data sheet

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Engine

Engine brand	PERKINS	
Engine model	1104C-44TAG2	
Cylinders	4	nr.
Speed	1500	r.p.m.
Cubic capacity	4.400	cm^3
Air intake	Turbocharged	
Standard voltage	12 Vdc	Vdc
Optional voltage	Vdc	Vdc
Sae	3-11 1/2	
BMEP	1702	kPa
Cooling	Water	

ENGINE POWER		
Flywheel P.R.P. Power	89.0	kW
Flywheel Stand-by Power	97.9	kW

FUEL CONSUMPTION	
Fuel Cons. at 100% (L.T.P.)	24.9 l/h
Fuel Cons. at 100% (P.R.P)	22.6 l/h
Fuel Cons. at 75% (P.R.P.)	17.1 l/h
Fuel Cons. at 50% (P.R.P.)	11.2 l/h
Fuel Cons. at 25% (P.R.P.)	- l/h

SPEED REGULATION	
Electronic regulator	Standard
Precision class	G3

ENGINE DIMENSIONS AND LIQUIDS	
Oil quantity	8.0 l
Antifreeze quantity	7.0 l
Radiator standard	IM50

HEAT FROM ENGINE	
Heat from radiator	46.1 kW
Heat from exhaust	71.7 kW
Heat from radiation	6.8 kW

EXHAUST DATA	
Exhaust temperature	514 °C
Cooling air flow	165.60 m^3/min
Combustion air flow	6.01 m^3/min
Exhaust gas flow	15.20 m^3/min

EMISSIONS	
TA Luft	Not available
TA Luft/2	Not available
EPA	Not available
Stage	Stage 2

Alternator

Alternator brand	STAMFORD
Alternator model	UCI274C
PRP Power	100.0 kVA
LTP Power	110.0 kVA

ALTERNATOR WIRINGS	
Connection	Series star
Phases	Three phases with neutral
Winding	12 terminals 50-60Hz Winding 311
Terminal Number	12 nr.

ALTERNATOR PROTECTION	
IP Protection	23

VOLTAGE REGULATOR	
Electronic regulator	SX460
Precision	1.5 ±%

Baseframe

Model	CK030
Capacity	145 l

Canopy & Silencer

Canopy model	CK030
Silencer model	MSR/a 65
Silencer outlet diameter	76.0 mm

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