

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	٧

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

- Industrial diesel engine in genset version with certificate of origin.
- 2. Industrial brushless alternator with AVR.
- 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

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

TECHNICAL DATASHEET / CRICKET-P 105 CK

24 HOUR SERVICE 7000 4994

Engine

Engine model	Engine brand	PERKINS		
Speed	Engine model	1104C-44TA	32	
Cubic capacity 4.400 cm³ Air intake Turbocharged Standard voltage 12 Vdc Vdc Optional voltage Vdc Vdc Sae 3-11 1/2 BMEP 1702 kPa Cooling Water Water ENGINE POWER Flywheel P.R.P. Power 89.0 kW Flywheel P.R.P. Power 89.0 kW Flywheel Stand-by Power 97.9 kW Fuel Cons. at 100% (P.R.P. Power) 24.9 l/h 24.9 l/h Fuel Cons. at 100% (P.R.P.) 17.1 l/h Fuel Cons. at 100% (P.R.P.) 11.2 l/h Fuel Cons. at 25% (P.R.P.) 11.2 l/h Fuel Cons. at 25% (P.R.P.) -1/h SPEED REGULATION Standard Standard Precision class 63 ENGINE DIMENSIONS AND LIQUIDS 3.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C	Cylinders	4	nr.	
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 1/h Fuel Cons. at 100% (P.R.P) 22.6 1/h Fuel Cons. at 55% (P.R.P.) 17.1 1/h Fuel Cons. at 25% (P.R.P.) 11.2 1/h Fuel Cons. at 25% (P.R.P.) 51.2 1/h SPEED REGULATION Electronic regulator Standard Precision class 63 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 1 Antifreeze quantity 7.0 1 Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from radiator 6.8 kW EXHAUST DATA Exhaust temperature 514 °C	Speed	1500	r.p.m.	
Standard voltage 12 Vdc Vdc Optional voltage Vdc Vdc Sae 3-11 1/2 BMEP 1702 kPa Cooling Water 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 25% (P.R.P.) 11.2 l/h Fuel Cons. at 25% (P.R.P.) 11.2 l/h Fuel Cons. at 25% (P.R.P.) - l/h SPEED REGULATION Electronic regulator Standard Precision class 63 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 l Antifreeze quantity 7.0 l Rediator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from radiator 46.1 kW Heat from radiation 6.8 kW EXHAUST DATA EXHAUST DATA <td< td=""><td>Cubic capacity</td><td>4.400</td><td>cm³</td></td<>	Cubic capacity	4.400	cm ³	
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 Val. P.	Air intake	Turbocharge	d	
Sae 3-11 1/2 BMEP 1702 kPa Cooling Water ENGINE POWER Water 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 50% (P.R.P.) 17.1 l/h Fuel Cons. at 25% (P.R.P.) 11.2 l/h Fuel Cons. at 25% (P.R.P.) -1/h SPEED REGULATION Electronic regulator Standard Precision class G3 ENGINE DIMENSIONS AND LIQUIDS 3.0 l Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE 46.1 kW Heat from radiator 46.1 kW Heat from radiation 6.8 kW EXHAUST DATA 514 °C	Standard voltage	12 Vdc	Vdc	
BMEP 1702 kPa Cooling Water ENGINE POWER Power 89.0 kW Flywheel P.R.P. 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 50% (P.R.P.) 17.1 l/h Fuel Cons. at 50% (P.R.P.) Fuel Cons. at 25% (P.R.P.) - l/h SPEED REGULATION Electronic regulator Standard Precision class G3 ENGINE DIMENSIONS AND LIQUIDS 3.0 l Oil quantity 8.0 l Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from radiation 6.8 kW EXHAUST DATA EXHAUST DATA EXHAUST DATA EXHAUST Exhaust temperature 514 °C	Optional voltage	Vdc	Vdc	
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 50% (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 63 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 radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C	Sae	3-11 1/2		
ENGINE POWER Flywheel P.R.P. Power 89.0 kW FUEL CONSUMPTION FUEL CONS. at 100% (L.T.P.) 24.9 I/h Fuel Cons. at 100% (P.R.P) 22.6 I/h Fuel Cons. at 75% (P.R.P.) 17.1 I/h Fuel Cons. at 50% (P.R.P.) 11.2 I/h Fuel Cons. at 25% (P.R.P.) - I/h SPEED REGULATION Electronic regulator Standard Precision class G3 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 I Antifreeze quantity 7.0 I 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	ВМЕР	1702	kPa	
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 50% (P.R.P.) 17.1 l/h Fuel Cons. at 55% (P.R.P.) 11.2 l/h Fuel Cons. at 25% (P.R.P.) 11.2 l/h Fuel Cons. at 25% (P.R.P.) 51.2 l/h Fuel Cons. at 25% (P.R.P.) 63 SPEED REGULATION Electronic regulator Standard Precision class 63 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	Water		
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	ENGINE POWER			
FUEL CONSUMPTION Fuel Cons. at 100% (L.T.P.) 24.9 I/h Fuel Cons. at 100% (P.R.P) 22.6 I/h Fuel Cons. at 75% (P.R.P.) 17.1 I/h Fuel Cons. at 50% (P.R.P.) 11.2 I/h Fuel Cons. at 25% (P.R.P.) - I/h SPEED REGULATION Electronic regulator Standard Precision class 63 ENGINE DIMENSIONS AND LIQUIDS Oil quantity 8.0 I Antifreeze quantity 7.0 I 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	Flywheel P.R.P. Power	89.0	kW	
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 63 ENGINE DIMENSIONS AND LIQUIDS 8.0 l 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	Flywheel Stand-by Power	97.9	kW	
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	FUEL CONSUMPTION			
Fuel Cons. at 75% (P.R.P.) Fuel Cons. at 50% (P.R.P.) Fuel Cons. at 25% (P.R.P.) Fuel Cons. at 25% (P.R.P.) SPEED REGULATION Electronic regulator Precision class G3 ENGINE DIMENSIONS AND LIQUIDS Oil quantity Antifreeze quantity 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	Fuel Cons. at 100% (L.T.P.)	24.9	l/h	
Fuel Cons. at 50% (P.R.P.) Fuel Cons. at 25% (P.R.P.) SPEED REGULATION Electronic regulator Precision class G3 ENGINE DIMENSIONS AND LIQUIDS Oil quantity Antifreeze quantity Radiator standard HEAT FROM ENGINE Heat from radiator Heat from exhaust Heat from radiation EXHAUST DATA Exhaust temperature 11.2 I/h - I/h 11.2 I/h - I/h Standard 8.0 I 8.0 I 7.0 I RAD 46.1 kW 46.1 kW 6.8 kW	Fuel Cons. at 100% (P.R.P)	22.6	22.6 l/h	
Fuel Cons. at 25% (P.R.P.) SPEED REGULATION Electronic regulator Precision class G3 ENGINE DIMENSIONS AND LIQUIDS Oil quantity Antifreeze quantity 7.0 l Radiator standard IM50 HEAT FROM ENGINE Heat from radiator 46.1 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature	Fuel Cons. at 75% (P.R.P.)	17.1 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	Fuel Cons. at 50% (P.R.P.)	11.2 l/h		
Electronic regulator 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	Fuel Cons. at 25% (P.R.P.)	- I/h		
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	SPEED REGULATION			
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	Electronic regulator	Star	ıdard	
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	Precision class	G3		
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	ENGINE DIMENSIONS AND LIQUIDS			
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	Oil quantity	8.0 l		
HEAT FROM ENGINE Heat from radiator Heat from exhaust 71.7 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C	Antifreeze quantity	7.0 l		
Heat from radiator 46.1 kW Heat from exhaust 71.7 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C	Radiator standard	IM50		
Heat from exhaust 71.7 kW Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C	HEAT FROM ENGINE			
Heat from radiation 6.8 kW EXHAUST DATA Exhaust temperature 514 °C	Heat from radiator	46.1	kW	
EXHAUST DATA Exhaust temperature 514 °C	Heat from exhaust	71.7 kW		
Exhaust temperature 514 °C	Heat from radiation	6.81	κW	
The state of the s	EXHAUST DATA			
Cooling air flow 165.60 m³/min	Exhaust temperature	514	°C	
	Cooling air flow	165.60 m³/min		
Combustion air flow 6.01 m³/min	Combustion air flow	6.01 m³/min		
Exhaust gas flow 15.20 m³/min	Exhaust gas flow	15.2	0 m³/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

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