TECHNICAL DATASHEET



CRICKET - P 105 CK





CRICKET "CK"



	For ill	ustrative	purposes	only
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Engine brand PERKINS Engine model 1104C-44TAG2 Cylinders 4 Speed 1500 r.p.m. Cubic capacity 4.40 I Air intake Turbocharged 12 Vdc Standard voltage 12 Vdc Sae 3-11½ L L Vdc Sae Sa-11½ L L Rea Cooling Water L Vdc Sae Sa-11½ L L Rea Cooling Water L Vdc Sae Sa-11½ L L Rea Cooling Water Water L Vdc Sae Sae L <th>ENGINE</th> <th></th> <th></th>	ENGINE		
Cylinders 4 Speed 1500 r.p.m. Cubic capacity 4.40 I Air intake Turbocharged Standard voltage 12 Vdc Sae 3-11½ Water BMEP 1702 kPa Cooling Water Flywheel P.R.P. Power 89.0 kW KW Flywheel Stand-by Power 97.9 kW Fuel Cons. at 100% (L.T.P.) 24.9 I/h I/h Fuel Cons. at 100% (P.R.P.) 17.1 I/h I/h I/h Fuel Cons. at 75% (P.R.P.) 17.1 I/h I/h I/h Fuel Cons. at 25% (P.R.P.) 11.2 I/h	Engine brand	PERKINS	
Speed 1500 r.p.m. Cubic capacity 4.40 I Air intake Turbocharged Standard voltage 12 Vdc Sae 3-11½ BMEP 1702 kPa Cooling Water Flywheel P.R.P. Power 89.0 kW Flywheel P.R.P. Power 97.9 kW Flywheel Stand-by Power 97.9 kW Fuel Cons. at 100% (P.R.P.) 24.9 I/h Fuel Cons. at 100% (P.R.P.) 22.6 I/h Fuel Cons. at 50% (P.R.P.) 11.2 I/h Fuel Cons. at 25% (P.R.P.) 0.0 I/h Fuel Cons. at 25% (P.R.P.) 0.0 I/h Electronic regulator Standard Precision class G3 I Oil quantity 8.0 I Engine Antifreeze capacity 7.0 I Radiator type Tropical Heat from radiator 46.1 kW Heat from radiation 6.8 kW Exhaust temperature	Engine model	1104C-44TAG2	
Cubic capacity 4.40 I Air intake Turbocharged Vdc Sae 3-11½ Vdc BMEP 1702 kPa Cooling Water Flywheel P.R.P. Power 89.0 kW Flywheel Stand-by Power 97.9 kW Fluel Cons. at 100% (L.T.P.) 24.9 l/h Fuel Cons. at 100% (P.R.P) 22.6 l/h Fuel Cons. at 55% (P.R.P.) 17.1 l/h Fuel Cons. at 25% (P.R.P.) 0.0	Cylinders	4	
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Standard voltage 12 Vdc Sae 3-11½ BMEP 1702 kPa Cooling Water Flywheel P.R.P. Power 89.0 kW Flywheel Stand-by Power 97.9 kW Flywheel Stand-by Power 97.9 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 55% (P.R.P.) 17.1 l/h Fuel Cons. at 25% (P.R.P.) 0.0 l/h Electronic regulator Standard r Precision class G3 I Oil quantity 8.0 I Engine Antifreeze capacity 7.0 I Radiator type Tropical kW Heat from radiator<	Cubic capacity	4.40	I
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Flywheel Stand-by Power 97.9 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.) 0.0 l/h Electronic regulator Standard Precision class G3 Oil quantity 8.0 l Engine Antifreeze capacity 7.0 l Radiator type Tropical Heat from radiator 46.1 kW Heat from exhaust 71.7 kW Heat from radiation 6.8 kW Exhaust temperature 514 °C Cooling air flow 165.60 m³/min Combustion air flow 15.20 m³/min Exhaust gas flow 15.20 m³/min TA Luft Not available TA Luft/2 Not available	Cooling	Water	
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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.) 0.0 I/h Electronic regulator Standard Precision class G3 Oil quantity 8.0 I Engine Antifreeze capacity 7.0 I Radiator type Tropical Heat from radiator 46.1 kW Heat from exhaust 71.7 kW Heat from radiation 6.8 kW Exhaust temperature 514 °C Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min Exhaust gas flow 15.20 m³/min TA Luft Not available TA Luft/2 Not available	Flywheel Stand-by Power	97.9	kW
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Fuel Cons. at 25% (P.R.P.) Electronic regulator Precision class Oil quantity Engine Antifreeze capacity Radiator type Heat from radiator Heat from exhaust Heat from radiation Cooling air flow Tooling	Fuel Cons. at 75% (P.R.P.)	17.1	l/h
Electronic regulator Precision class G3 Oil quantity B10 Engine Antifreeze capacity Radiator type Tropical Heat from radiator Heat from exhaust T1.7 Heat from radiation Fixhaust temperature Cooling air flow Combustion air flow TA Luft TA Luft TA Luft/2 Solution Standard TA Standa	Fuel Cons. at 50% (P.R.P.)	11.2	l/h
Precision class G3 Oil quantity 8.0 I Engine Antifreeze capacity 7.0 I Radiator type Tropical Heat from radiator 46.1 kW Heat from exhaust 71.7 kW Heat from radiation 6.8 kW Exhaust temperature 514 °C Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min Exhaust gas flow 15.20 m³/min TA Luft Not available TA Luft/2 Not available	Fuel Cons. at 25% (P.R.P.)	0.0	l/h
Oil quantity 8.0 I Engine Antifreeze capacity 7.0 I Radiator type Tropical Heat from radiator 46.1 kW Heat from exhaust 71.7 kW Heat from radiation 6.8 kW Exhaust temperature 514 °C Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min Exhaust gas flow 15.20 m³/min TA Luft Not available TA Luft/2 Not available	Electronic regulator	Standard	
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Heat from exhaust 71.7 kW Heat from radiation 6.8 kW Exhaust temperature 514 °C Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min Exhaust gas flow 15.20 m³/min TA Luft Not available TA Luft/2 Not available	Radiator type	Tropical	
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Exhaust temperature 514 °C Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min Exhaust gas flow 15.20 m³/min TA Luft Not available TA Luft/2 Not available	Heat from exhaust	71.7	kW
Cooling air flow 165.60 m³/min Combustion air flow 6.01 m³/min Exhaust gas flow 15.20 m³/min TA Luft Not available TA Luft/2 Not available	Heat from radiation	6.8	kW
Combustion air flow 6.01 m³/min Exhaust gas flow 15.20 m³/min TA Luft Not available TA Luft/2 Not available	Exhaust temperature	514	°C
Exhaust gas flow 15.20 m³/min TA Luft Not available TA Luft/2 Not available	Cooling air flow	165.60	m³/min
TA Luft Not available TA Luft/2 Not available	Combustion air flow	6.01	m³/min
TA Luft/2 Not available	Exhaust gas flow	15.20	m³/min
	TA Luft	Not available	
EPA Not available	TA Luft/2	Not available	
	EPA	Not available	
Stage 2 Stage 2	Stage	Stage 2	

MAIN DATA		
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)
Voltage • Frequency • Power Factor	400V •50Hz •	0.8 cosφ
Sound pressure 7 m.	75.0	dBA

DIMENSIONS AND WEIGHT		
Width	1100	mm
Length	2613	mm
Height	1280	mm
Weight	1400	kg

ALTERNATOR		
Alternator brand	STAMFORD	
Alternator model	UCI274C	
P.R.P. Power	100.0	kVA
L.T.P. Power	110.0	kVA
Connection	Series star	
Phases	3PH+N	
Winding	12 terminals Winding 311	
Terminal Number	12	nr.
IP Protection	23	
Electronic regulator	SX460	
Precision	1.5	± %

BASEFRAME	
Model	CK30
Standard tank	145 I
Optional tank	0
Oversized tank*	0

CANOPY & SILENCER		
Canopy model	CK30	
Silencer model	MSR/a 65	
Silencer outlet diameter	76.0	mm

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 probable to a proposition of the proper proper and propositions are probable to a proposition of the proper set of the proper set of the proper proper proper proper properties.

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 ISO8528-1. The average power supplied over time and any applicable overload must be less than the percentages stated by the Manufacturer. LT.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.