BD 100 CK

CRICKET “CK”

For illustrative purposes only

MAIN DATA

Continuous power (PRP)	**100.00**	kVA
Continuous power (PRP)	**80.00**	kW
Emergency power (E.P.)	**110.00**	kVA
Emergency power (E.P.)	**88.00**	kW
VAC - HZ - cos(fi)	**400 - 50 - 0.8**	
Sound pressure 7 m.	**78**	dBA

ENGINE

Description	BAUDOUIN	
Engine model	4M10G110/5	
Cylinders	4	
RPM speed	1500	
Cubic capacity	4.09	l
Air intake	Turbocharged	
Standard voltage	12	Vdc
Optional voltage		Vdc
Sae	3-11	
BMEP	1960	kPa
Cooling	Water	
Flywheel P.R.P. Power net	87.5	kW
Flywheel Stand-by Power net	97.5	kW
Fuel Cons. at 100% (E.P.)	24.4	l/h
Fuel Cons. at 100% (P.R.P)	21.3	l/h
Fuel Cons. at 75% (P.R.P.)	16.0	l/h
Fuel Cons. at 50% (P.R.P.)	10.6	l/h
Fuel Cons. at 25% (P.R.P.)	6.0	l/h
Electronic regulator	Standard	
Precision class	G3	
Oil quantity	13.0	l
Engine Antifreeze capacity	9.4	l
Radiator type	TR	
Heat from radiator	66.0	kW
Heat from exhaust	70.0	kW
Heat from radiation	12.4	kW
Exhaust temperature	550	°C
Portata Raffreddamento	175.0	m³/min
Combustion air flow	6.9	m³/min
Exhaust gas flow	21.6	m³/min
TA Luft	N	
TA Luft/2	N	
EPA	N	
Stage	N	

DIMENSIONS AND WEIGHT

Width	1100	mm
Length	2620	mm
Height	1480	mm
Weight	1470	kg

ALTERNATOR

Description	STAMFORD	
Alternator model	UCI274C	
P.R.P. Power	100	kVA
E.P. Power	110	kVA
Connection	Series star	
Phases	3FN	
Winding	311	
Terminal Number	12	nr.
IP Protection	23	
Electronic regulator	AS440	
Precision	1	± %

BASEFRAME

Model	CK30	
Standard tank	145	l
Optional tank	0	l
Oversized tank*	0	l

CANOPY & SILENCER

Canopy model	CK30	
Silencer model	F60/00	
Silencer outlet diameter	60	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 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. **E.P. - Emergency power:** This is the maximum power that a generating set can deliver for a limited number of hours per year while complying with the maintenance frequency stipulated under the environmental conditions set by the Manufacturer. The number of hours per year is determined by the engine manufacturer. The average power output over time must be lower than the percentages set by the engine manufacturer. Overloading is not allowed.