TECHNICAL DATASHEET P 1700 S

P 1700 S

POWERFULL “S”

For illustrative purposes only

MAIN DATA

Continuous power (PRP)	**1705.00**	kVA
Continuous power (PRP)	**1364.00**	kW
Emergency power (E.P.)	**1875.00**	kVA
Emergency power (E.P.)	**1500.00**	kW
VAC - HZ - cos(fi)	**380 - 50 - 0.8**	
Sound pressure 7 m.	**78.0**	dBA

ENGINE

Description	PERKINS	
Engine model	4012-46TAG3A	
Cylinders	12	
RPM speed	1500	
Cubic capacity	45.84	l
Air intake	Turbocharged	
Standard voltage	24	Vdc
Optional voltage		Vdc
Sae	00-18	
BMEP	2603	kPa
Cooling	Water	
Flywheel P.R.P. Power net	1436.0	kW
Flywheel E.P. Power net	1579.0	kW
Fuel Cons. at 100% (E.P.)	405.0	l/h
Fuel Cons. at 100% (P.R.P)	370.0	l/h
Fuel Cons. at 75% (P.R.P.)	275.0	l/h
Fuel Cons. at 50% (P.R.P.)	187.0	l/h
Fuel Cons. at 25% (P.R.P.)	0.0	l/h
Electronic regulator	Standard	
Precision class	G3	
Oil quantity	177.0	l
Engine Antifreeze capacity	73.0	l
Radiator type	TE	
Heat from radiator	510.0	kW
Heat from exhaust	1102.0	kW
Heat from radiation	110.0	kW
Exhaust temperature	480	°C
Portata Raffreddamento	1920.0	m³/min
Combustion air flow	125.0	m³/min
Exhaust gas flow	350.0	m³/min
TA Luft	N	
TA Luft/2	N	
EPA	N	
Stage	N	

DIMENSIONS AND WEIGHT

Width	2900	mm
Length	9380	mm
Height	3550	mm
Weight	15500	kg

ALTERNATOR

Description	STAMFORD	
Alternator model	PI734E	
P.R.P. Power	1845.0	kVA
E.P. Power	1975.0	kVA
Connection	Star	
Phases	3FN	
Winding	312	
Terminal Number	6	nr.
IP Protection	23	
Electronic regulator	MX341	
Precision	1.0	± %

BASEFRAME

Model	ST60	
Standard tank	0	l
Optional tank	0	l
Oversized tank*	0	l

CANOPY & SILENCER

Canopy model	C60/08/01	
Silencer model	----	
Silencer outlet diameter	0.0	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 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.