



POWERFULL "S"



For illustrative purposes only

ENGINE

Engine brand	PERKINS
Engine model	4012-46TAG2A
Cylinders	12
Speed	1500 r.p.m.
Cubic capacity	45.84 l
Air intake	Turbocharged
Standard voltage	24 Vdc
Optional voltage	Vdc
Sae	00-18
BMEP	2278 kPa
Cooling	Water
Flywheel P.R.P. Power	1267.0 kW
Flywheel Stand-by Power	1395.0 kW
Fuel Cons. at 100% (L.T.P.)	341.0 l/h
Fuel Cons. at 100% (P.R.P.)	310.0 l/h
Fuel Cons. at 75% (P.R.P.)	234.0 l/h
Fuel Cons. at 50% (P.R.P.)	157.0 l/h
Fuel Cons. at 25% (P.R.P.)	0.0 l/h
Electronic regulator	Standard
Precision class	G2
Oil quantity	177.0 l
Engine Antifreeze capacity	73.0 l
Radiator standard	PTE4012TAG1-2
Heat from radiator	428.0 kW
Heat from exhaust	1010.0 kW
Heat from radiation	90.0 kW
Exhaust temperature	0 °C
Cooling air flow	0.00 m³/min
Combustion air flow	120.00 m³/min
Exhaust gas flow	320.00 m³/min
TA Luft	On request
TA Luft/2	On request
EPA	Not available
Stage	Not available

MAIN DATA

Continuous power (PRP)	1505.0 (kVA)
Continuous power (PRP)	1204.0 (kW)
Stand-by power (LTP)	1656.0 (kVA)
Stand-by power (LTP)	1324.8 (kW)
Voltage • Frequency • Power Factor	400V • 50Hz • 0.8 cosφ
Sound pressure 7 m.	74.0 dBA

DIMENSIONS AND WEIGHT

Width	2200 mm
Length	8600 mm
Height	3400 mm
Weight	14300 kg

ALTERNATOR

Alternator brand	STAMFORD
Alternator model	PI734C
P.R.P. Power	1550.0 kVA
L.T.P. Power	1660.0 kVA
Connection	Star
Phases	3PH+N
Winding	6 terminals 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
Silencer model	MSR/a 200
Silencer outlet diameter	219.0 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.

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.

