

TECHNICAL DATASHEET

AB-PL220S



ENGINE	
Engine brand	Perkins
Engine model	1106A-70TAG4
Cylinders	6 in-line
Speed	1500 r.p.m.
Displacement	7.01 l
Air intake	Turbocharged aftercooled
Precision class	G4
Speed governor	Mechanical
Fuel injection pump	Mechanical
Cooling	Water
Flywheel P.R.P. Power	178.9 kW
Flywheel Stand-by Power	196.3 kW
Bore	105 mm
Stroke	135 mm
Compression ratio	16:1
Fuel Cons. at 110% (L.T.P.)	49.4 l/h
Fuel Cons. at 100% (P.R.P)	45.8 l/h
Fuel Cons. at 75% (P.R.P.)	34.7 l/h
Fuel Cons. at 50% (P.R.P.)	23.1 l/h
Fuel Cons. at 25% (P.R.P.)	12.6 l/h
Total lubricating capacity	16.5 l
Engine Antifreeze capacity	21.0 l
Oil Specification	API CH-4
Standard voltage	12vdc
Combustion airflow	10.2 m³/min
FAN Diameter	610 mm
Thermostat operation range	82 – 93 (°C)
Maximum operation angle of engine (degrees)	25°
Exhaust pipe diameter -recommended	72 mm
Exhaust temperature (max)	484 °C

MAIN DATA	Article No.:	000000
Continuous power (PRP)	200.0	(KVA)
Continuous power (PRP)	160.0	(KW)
Stand-by power (LTP)	220.0	(KVA)
Stand-by power (LTP)	176.0	(KW)
Voltage • Frequency • Power Factor	400/230 V •50Hz	• 0.8 cosφ
Sound press. (at 7m)	65	dB(A)

DIMENSIONS AND WEIGHT	
Width	1140 mm
Length	3060 mm
Height	2200 mm
Weight	2460 Kg

ALTERNATOR	
Alternator brand	Leroy – Somer
Alternator model	TAL A44M
P.R.P. Power	200.0 kVA
L.T.P. Power	220.0 kVA
Connection	Series star
Phases	3P+N
Winding	12 terminals
Winding	311
Terminal Number	12 nr.
IP Protection	23
Electronic regulator	Electronic
Precision	1.0 ± %

BASEFRAME	
Model	AB-125-230P
Standard tank	400 l
Optional tank	On request
Oversized tank*	On request

CONTROL PANEL	
Brand	DSE
model	DSE6120
Circuit breaker	4P

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.