



TECHNICAL DATASHEET

AB-PL20SS



ENGINE	
Engine brand	Perkins
Engine model	404A-22G1
Cylinders	4 in-line
Speed	1500 r.p.m.
Displacement	2.216 l
Air intake	Naturally
Precision class	G1
Speed governor	Electronic
Fuel injection pump	Mechanical
Cooling	Water
Flywheel P.R.P. Power	18.7 kW
Flywheel Stand-by Power	20.6 kW
Bore	84 mm
Stoke	100 mm
Compression ratio	23.3:1
Fuel Cons. at 110% (L.T.P.)	6.1 l/h
Fuel Cons. at 100% (P.R.P)	5.3 l/h
Fuel Cons. at 75% (P.R.P.)	4.0 l/h
Fuel Cons. at 50% (P.R.P.)	2.9 l/h
Fuel Cons. at 25% (P.R.P.)	N/A
Total lubricating capacity	10.6 l
Engine Antifreeze capacity	7.0 l
Oil Specification	API CH-4
Standard voltage	Vdc12
Combustion airflow	6.8 m³/min
FAN Diameter	320 mm
Thermostat operation range	82 – 95 (°C)
Maximum operation angle of engine (degrees)	35°
Exhaust pipe diameter -recommended	42 mm
Exhaust temperature (max)	505 °C

MAIN DATA	Article No.:	000000
Continuous power (PRP)	20.0	(KVA)
Continuous power (PRP)	16.0	(KW)
Stand-by power (LTP)	22.0	(KVA)
Stand-by power (LTP)	17.6	(KW)
Voltage • Frequency • Power Factor	400/230 V •50Hz	• 0.8 cosφ
Sound press. (at 7m)	65	dB(A)

DIMENSIONS AND WEIGHT	
Width	2000 mm
Length	900 mm
Height	1429 mm
Weight	550 Kg

ALTERNATOR	
Alternator brand	Leroy – Somer
Alternator model	TAL A40F
P.R.P. Power	20 kVA
L.T.P. Power	22 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-9-20P
Standard tank	80 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.