

TECHNICAL DATASHEET

AB-PL50S



ENGINE	
Engine brand	Perkins
Engine model	1103A-33TG1
Cylinders	3 in-line
Speed	1500 r.p.m.
Displacement	3.3 l
Air intake	Turbocharged
Precision class	N/A
Speed governor	Electronic
Fuel injection pump	Mechanical
Cooling	Water
Flywheel P.R.P. Power	42.2 kW
Flywheel Stand-by Power	46.5 kW
Bore	105 mm
Stroke	127 mm
Compression ratio	17.25:1
Fuel Cons. at 110% (L.T.P.)	11.70 l/h
Fuel Cons. at 100% (P.R.P)	10.80 l/h
Fuel Cons. at 75% (P.R.P.)	8.23 l/h
Fuel Cons. at 50% (P.R.P.)	5.83 l/h
Fuel Cons. at 25% (P.R.P.)	3.49 l/h
Total lubricating capacity	7.9 l
Engine Antifreeze capacity	10.2 l
Oil Specification	API CH-4
Standard voltage	12vdc
Combustion airflow	2.9 m³/min
FAN Diameter	457 mm
Thermostat operation range	82 – 93 (°C)
Maximum operation angle of engine (degrees)	25°
Exhaust pipe diameter -recommended	56 mm
Exhaust temperature (max)	492 °C

MAIN DATA	Article No.:	000000
Continuous power (PRP)	45.0	(KVA)
Continuous power (PRP)	36.0	(KW)
Stand-by power (LTP)	49.5	(KVA)
Stand-by power (LTP)	39.6	(KW)
Voltage • Frequency • Power Factor	400/230 V •50Hz	• 0.8 cosφ
Sound press. (at 7m)	65	dB(A)

DIMENSIONS AND WEIGHT	
Width	1000 mm
Length	2200 mm
Height	1400 mm
Weight	875 Kg

ALTERNATOR	
Alternator brand	Leroy – Somer
Alternator model	TAL A42F
P.R.P. Power	45 kVA
L.T.P. Power	49.5 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-30-45P
Standard tank	80 l
Optional tank	On request
Oversized tank*	On request

CONTROL PANEL	
Brand	DSE
model	DSE4520
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.