

TECHNICAL DATASHEET

AB-PL33S



| ENGINE                                      |              |
|---------------------------------------------|--------------|
| Engine brand                                | Perkins      |
| Engine model                                | 1103A-33G    |
| Cylinders                                   | 3 in-line    |
| Speed                                       | 1500 r.p.m.  |
| Displacement                                | 3.3 l        |
| Air intake                                  | Naturally    |
| Precision class                             | N/A          |
| Speed governor                              | Electronic   |
| Fuel injection pump                         | Mechanical   |
| Cooling                                     | Water        |
| Flywheel P.R.P. Power                       | 28.2 kW      |
| Flywheel Stand-by Power                     | 31.0 kW      |
| Bore                                        | 105 mm       |
| Stroke                                      | 127 mm       |
| Compression ratio                           | 19.25 : 1    |
| Fuel Cons. at 110% (L.T.P.)                 | 8.1 l/h      |
| Fuel Cons. at 100% (P.R.P)                  | 7.2 l/h      |
| Fuel Cons. at 75% (P.R.P.)                  | 5.61 l/h     |
| Fuel Cons. at 50% (P.R.P.)                  | 4.06 l/h     |
| Fuel Cons. at 25% (P.R.P.)                  | 2.65 l/h     |
| Total lubricating capacity                  | 8.3 l        |
| Engine Antifreeze capacity                  | 10.2 l       |
| Oil Specification                           | API CH-4     |
| Standard voltage                            | 12vdc        |
| Combustion airflow                          | 2.16 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)                   | 500 °C       |

| MAIN DATA                          | Article No.:    | 000000     |
|------------------------------------|-----------------|------------|
| Continuous power (PRP)             | 30.0            | (KVA)      |
| Continuous power (PRP)             | 24.0            | (KW)       |
| Stand-by power (LTP)               | 33.0            | (KVA)      |
| Stand-by power (LTP)               | 26.4            | (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                | 790 Kg  |

| ALTERNATOR           |               |
|----------------------|---------------|
| Alternator brand     | Leroy – Somer |
| Alternator model     | TAL A42C      |
| P.R.P. Power         | 32.0 kVA      |
| L.T.P. Power         | 35.2 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.