



## ATL-1000PKN

### General Features

- Engine (PERKINS 4008-TAG2A), Radiator 50°C max, belt driven fans, with safety guard
- 24V charge alternator
- Alternator (STAMFORD HCI 634J1), single bearing alternator IP23, insulation class H/H
- Skid and vibration isolators
- Dry type air filter, fuel filter, oil filter
- Main line circuit breaker
- Permanent Magnet Generator (PMG)
- Standard control panel
- Four 12V batteries, rack and cable
- Ripple flex exhaust pipe, exhaust siphon, flange, industrial muffler

PHOTO FOR REFERENCE ONLY



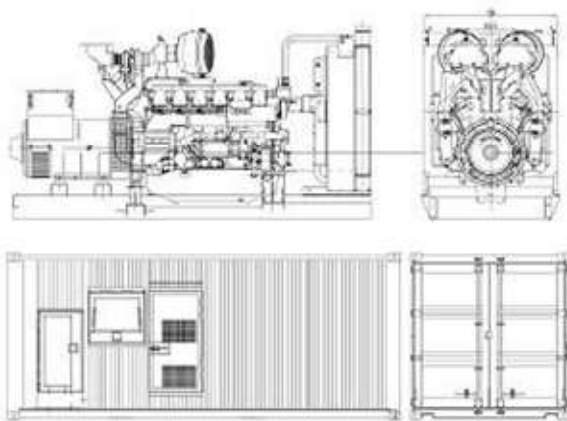
### Technical Data

|                            |               |
|----------------------------|---------------|
| Output Frequency           | 50 Hz         |
| Rated Speed                | 1500RPM       |
| Prime Power                | 1000KVA/800KW |
| Standby Power              | 1100KVA/880KW |
| Rated Voltage              | 400/230V      |
| Phase                      | 3             |
| Power Factor               | 0.8           |
| Fuel Consumption 100% Load | 220L/Hr       |
| Fuel Consumption 75% Load  | 160L/Hr       |
| Fuel Consumption 50% Load  | 108L/Hr       |
| Operation Altitude         | ≤1000m        |
| Ambient Temperature        | ≤50°C         |



### Dimension and Weight

| Genset Type       | Open Frame | Soundproof<br>ISO 20ft GP |
|-------------------|------------|---------------------------|
| Length(L) (mm)    | 4650       | 6058                      |
| Width(W) (mm)     | 2060       | 2438                      |
| Height(H) (mm)    | 2300       | 2591                      |
| Gross Weight (kg) | 7650       | 12550                     |





## ATL-1000P

### Engine Specification

|                                  |                               |
|----------------------------------|-------------------------------|
| Manufacturer / Model:            | PERKINS 4008-TAG2A, 4-cycle   |
| Air Intake System:               | Turbocharged, Air/Air Cooling |
| Fuel System:                     | Direct                        |
| Cylinder Arrangement:            | 8 in line                     |
| Displacement:                    | 30.561L                       |
| Bore and Stroke:                 | 160*190 (mm)                  |
| Compression Ratio:               | 13.6:1                        |
| Rated RPM:                       | 1500rpm                       |
| Max. Standby Power at Rated RPM: | 985KW                         |
| Governor Type:                   | Electronic                    |
| Exhaust Gas Flow:                | 200m <sup>3</sup> /min        |
| Exhaust Temperature:             | 465°C                         |
| Max Back Pressure:               | 8.16kPa                       |
| Max Intake Restriction:          | 3.8kPa                        |
| Combustion air flow:             | 80.5m <sup>3</sup> /min       |
| Cooling fan air flow:            | 1095m <sup>3</sup> /min       |
| Total Oil Capacity:              | 153L                          |
| Oil Consumption:                 | 0.52g/KWh                     |
| Total Coolant Capacity:          | 143L                          |
| Thermostat:                      | 71-85°C                       |
| Max Water Temperature:           | 101°C                         |

### Alternator Specification

|                                     |                                          |
|-------------------------------------|------------------------------------------|
| Manufacturer / Model:               | STAMFORD HCI 634J1                       |
| Number of Phase:                    | 3                                        |
| Connecting Type:                    | 3 Phase and 4 Wires, "Y" type connecting |
| Number of Bearing:                  | 1                                        |
| Protection Grade:                   | IP23                                     |
| Exciter Type:                       | Brushless, self-exciting                 |
| Insulation Class, Temperature Rise: | H/H                                      |
| Telephone Influence Factor (TIF):   | < 50                                     |
| THF:                                | < 2%                                     |
| Voltage Regulation, Steady State:   | ≤ ± 1%                                   |
| Alternator Capacity:                | 1030KVA                                  |
| Alternator Efficiencies:            | 95.1%                                    |
| Air Cooling Flow:                   | 1.614m <sup>3</sup> /s                   |

## ATL-1000P

### Control System

#### Standard Deepsea DSE6020 Auto Mains Failure Control Panel

- Manual or Auto Start Module for single genset applications. Designed to work with electronic and non-electronic engines, providing advanced engine monitoring and protection features.
- Includes a back-lit LCD display which shows the status of the engine at all times. Monitors engine speed, frequency, voltage and run hours and also displays the warning and shutdown status.
- Includes extensive outputs and inputs making this product ideal for a wide variety of applications. It can either be programmed using the front panel or by using DSEPC software.



#### Optional Deepsea DSE7320 Auto Mains Failure Control Panel

- Auto Mains (Utility) Failure Control Module suitable for a wide variety of single genset applications.
- Displays warnings, shutdown and engine status info on the back-lit LCD screen, illuminated LEDs, remote PC. Monitors the mains (utility) supply. Includes USB, RS232 and RS485 ports for system expansion.
- Compatible with electronic and non-electronic engines and offers flexible inputs, outputs and engine protections to meet extensive industry requirements.
- Includes enhanced event and performance monitoring, remote communication to reduce engine wear. It can either be programmed using the front panel or by using DSEPC software.



#### Optional Deepsea DSE8610 Auto Paralleling Control Panel

- Synchronizing Auto Start Control Module for multi-genset loadshare system, designed to synchronize up to 32 gensets including electronic and non-electronic engines.
- Monitors the genset and indicates operational status and fault conditions, automatically starting or stopping the engine on load demand or fault condition.
- System alarms are annunciated on the LCD screen, illuminated LED and audible sounder.
- Records 250 events log for maintenance. Extensive monitoring, metering and protection features are included as well as comprehensive communication and system expansion options.
- Using DSE PC Software allows alteration of the operational sequences, timers, alarms with all communication ports active.





## ATL-1000P

### Options

#### Engine

- Water Jacket Preheater
- Water Separator
- Oil Pump
- Oil Preheater
- Battery Charger

#### Fuel System

- Daily Fuel Tank
- External Fuel Tank
- Auto Fuel Filling System
- Fuel Level Sensor

#### Control System

- Auto Remote Control Panel
- AMF Function Control Panel
- Auto Paralleling Control Panel
- Auto Transfer Switch (ATS)
- ABB breaker

#### Alternator

- Anti Condensation Heater
- Winding Temp Sensor

#### Available Voltages

- 440/254V
- 415/240V
- 380/220V

### Reference Standards

**Generator Set:** ISO 8528, CE

**Engine:** ISO 3046, BS 5514, DIN 6271

**Alternator:** BS EN 60034, IEC34, BS5000, NEMA MG1-32, VDE 0530, CSA C22.2-100, AS1359

### Warranty

. PT. Anugrah Teknik Listrindo memberikan garansi untuk genset selama 1 tahun atau 2000 jam mana yang dicapai terlebih dahulu.

Garansi tidak berlaku apabila :

- Uji coba baru dilakukan 3 bulan setelah barang diterima
- Uji coba tidak dilakukan oleh teknisi kami atau yang diberikuasa untuk melaksanakannya khususnya wilayah jabodetabek.
- Pembebanan melampaui batas kapasitas kemampuan.
- Akibat kesalahan pemeliharaan dan faktor alam (seperti tersambar petir, banjir, dsb).
- Garansi tidak berlaku untuk electronic, electrical parts dan instrument diluar mesin.

Kami juga memberikan pelayanan untuk jasa service maintainance sesuai dengan kebutuhan anda