

# Perkins Generator

Prime: 655KW/818KVA  
Standby: 720KW/900KVA

## Technical Data

| Model                          |       | 900kva |
|--------------------------------|-------|--------|
| Prime power                    | kva   | 818    |
|                                | kw    | 655    |
| Standby power                  | kva   | 900    |
|                                | kw    | 720    |
| Rated voltage line to line     | V     | 400    |
| Rated current                  | A     | 1182   |
| Maximun sound level for silent | dB@7m | 78     |

## Engine-Perkins

|                   |                                             |                |
|-------------------|---------------------------------------------|----------------|
| Model             | 4006-23TAG3A                                |                |
| Aspiration        | 4 stroke, Vertical, In line, Turbo charged, |                |
| Fuel system       | Direct injection                            |                |
| No. cylinders     | 6                                           |                |
| Displacement      | L                                           | 22,921         |
| Bore*Stroke       | mm                                          | 160x190        |
| Compression ratio | 13.6:1                                      |                |
| Rated speed       | r/min                                       | 1500           |
| Governor          | Electric                                    |                |
| Engine size       | mm                                          | 3027x1706x1924 |
| Engine wet weight | kg                                          | 2524           |
| Fire order        | 1-5-3-6-2-4                                 |                |
| Start Motor       | V                                           | 24             |
| Rotation          | Anti-clockwise, viewed on the flyweel       |                |

## Air inlet

|              |    |     |
|--------------|----|-----|
| clear filter | mm | 127 |
| dirt filter  | mm | 380 |

## Fuel system

|                             |     |                        |
|-----------------------------|-----|------------------------|
| type of injection system    |     | Combined unit injector |
| Fuel delivery pump pressure | kpa | 300                    |

## Fuel System

|                                 |     |         |
|---------------------------------|-----|---------|
| 110% load(Standby power)        | L/h | 194     |
| 100% load(Prime power)          | L/h | 172     |
| 75% load(Prime power)           | L/h | 130     |
| 50% load(Prime power)           | L/h | 90      |
| Fuel capacity for silent genset | L   | 1360    |
| Fuel capacity for open genset   | L   | without |

## Lubrication System

|              |   |       |
|--------------|---|-------|
| Oil capacity | L | 113,4 |
|--------------|---|-------|

## Cooling System

|                        |   |     |
|------------------------|---|-----|
| Total coolant capacity | L | 105 |
|------------------------|---|-----|

## Standard Features

|                                            |   |
|--------------------------------------------|---|
| Engine(Perkins ENGINE)                     | ● |
| Radiator 50°C max,fans are driven by belt  | ● |
| 24V charge alternator                      | ● |
| Alternator: single bearing alternator IP23 | ● |
| insulation class H/H                       | ● |
| Standard auto control system               | ● |
| Main line circuit breaker / ACB            | ● |
| Base fuel tank                             | ● |
| 24V batteries, rac and cable               | ● |
| Exhaust system(Ripple flex exhaust pipe)   | ● |
| Exhaust siphon, flange, muffler            | ● |
| User manual                                | ● |
| Battery charge                             | ● |
| Water heater                               | ● |

## Options

|                                                |                       |
|------------------------------------------------|-----------------------|
| Alternator heater                              | <input type="radio"/> |
| One set of air filter, fuel filter, oil filter | <input type="radio"/> |
| PMG                                            | <input type="radio"/> |
| Water oil separator                            | <input type="radio"/> |
| Daily fuel tank                                | <input type="radio"/> |
| Remote control panel                           | <input type="radio"/> |
| Automatic transfer switch/ATS                  | <input type="radio"/> |

Switch box

Standard: ●Options:○

Alternator

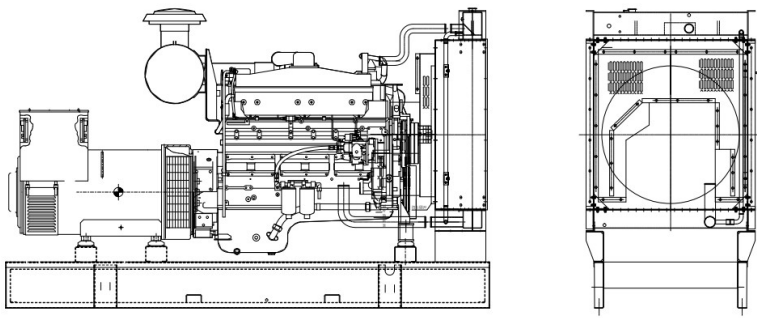
|                    |     |                            |
|--------------------|-----|----------------------------|
| Model              |     | TAL-49-C                   |
| Alternator Brand   |     | Leroy Somer                |
| Phase              |     | 3                          |
| Voltage            | V   | 400                        |
| Wiring Type        |     | 6 wires                    |
| Bearing            |     | 1                          |
| Power factor       |     | 0,8                        |
| Frequency          | Hz  | 50                         |
| Prime power        | KVA | 820                        |
| Exciter Type       |     | Brushless, self-excitation |
| Voltage regulation | %   | ±0.5                       |
| Protection Grade   |     | IP 23                      |
| Insulation grade   |     | H                          |

Controller-Deepsea

|                                           |               |
|-------------------------------------------|---------------|
| Model                                     | DSE 8620 MKII |
| 7 configurable digital inputs&Synchro use |               |
| Built-in governor and AVR control         |               |
| Base load (kW export) functionality       |               |
| Mains (utility) de-coupling protection    |               |
| Generator power (kW, kVA) monitoring      |               |
| Overload (kW & kV Ar) protection          |               |
| Emergency stop                            |               |
| Start failure                             |               |

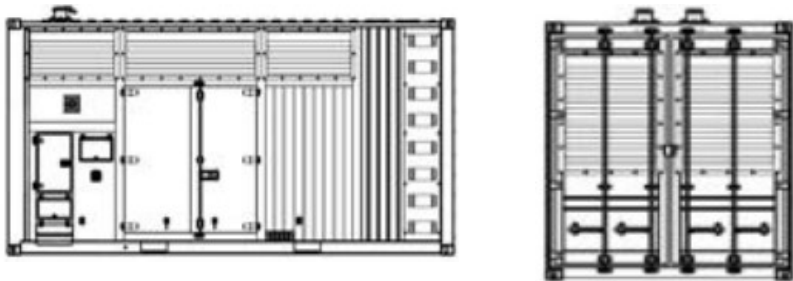


**Unit Dimensions(Basic unit)**



**Open Type**

|        |    |                |
|--------|----|----------------|
| L*W*H  | mm | 4500x1950x2150 |
| Weight | kg | 6800           |



**Silent Type**

|        |    |                |
|--------|----|----------------|
| L*W*H  | mm | 5808x2150x2503 |
| Weight | kg | 8600           |

**Warranty**

**Perkins Engine**

12 months from date of purchase or 1000 hours.

**Generator**

12 months from date of purchase or 1000 hours

(whichever comes first).