



Technical Data

| Model | | AJ- 50P |
|----------------------------|-------|---------|
| Prime power | kva | 45 |
| | kw | 36 |
| Standby power | kva | 50 |
| | kw | 40 |
| Rated voltage line to line | V | 230/400 |
| Rated current | A | 64,8 |
| Maximun sound level | dB@7m | 70 |

Engine-Perkins

| | | |
|-------------------|-------|---|
| Model | | 1103A-33TG1 |
| Aspiration | | Four-stroke, water-cooled, In line, Turbo charged |
| Fuel system | | Direct injection |
| No. cylinders | | 3 |
| Displacement | L | 3,3 |
| Bore*Stroke | mm | 105x127 |
| Compression ratio | | 17.25:1 |
| Rated speed | r/min | 1500 |
| Governor | | mechanical |
| Engine size | mm | 1049x634x951 |
| Engine wet weight | kg | 420 |
| Fire order | | 1-2-3 |
| Start Motor | V | 12 |
| Rotation | | Anti-clockwise, viewed on the flywheel |

Air Inlet

| | |
|-----------|--------------------|
| Air inlet | mounted air filter |
|-----------|--------------------|

Fuel System

| | |
|---------------------|----------------------------|
| mechanical governor | cassette type fuel pump |
| fuel filter | next generator fuel filter |

Fuel System

| | | |
|--------------------------|-----|------|
| 110% load(Standby power) | L/h | 11,7 |
| 100% load(Prime power) | L/h | 10,8 |
| 75% load(Prime power) | L/h | 8,23 |
| 50% load(Prime power) | L/h | 5,83 |
| Fuel capacity | L | 115 |

Lubrication System

| | | |
|--------------|---|-----|
| Oil capacity | L | 7,9 |
|--------------|---|-----|

Cooling System

| | | |
|------------------------|---|------|
| Total coolant capacity | L | 10,2 |
|------------------------|---|------|

Standard Features

| | |
|--|---|
| Engine(Perkins ENGINE) | ● |
| Radiator 50°C max, fans are driven by belt | ● |
| 12V charge alternator | ● |
| Alternator: single bearing alternator IP23 | ● |
| insulation class H/H | ● |
| Standard auto control system | ● |
| Main line circuit breaker / ACB | ● |
| Base fuel tank | ● |
| 12V batteries, rac and cable | ● |
| Exhaust system(Ripple flex exhaust pipe) | ● |
| Exhaust siphon, flange, muffler | ● |
| User manual | ● |
| Battery charge | ● |

Options

| | |
|--|-----------|
| Water heater | ○ |
| Alternator heater | ○ |
| One set of air filter, fuel filter, oil filter | ○ |
| PMG | ○ |
| Water oil separator | ○ |
| Daily fuel tank | ○ |
| Remote control panel | ○ |
| Automatic transfer switch/ATS | ○ |
| Switch box | ○ |
| Standard: ● | Options:○ |

Alternator

| | | |
|--------------------|-----|----------------------------|
| Model | | TAL-A42-F |
| Alternator Brand | | Leroy Somer |
| Phase | | 3 |
| Voltage | V | 230/400 |
| Wiring Type | | 12 wires |
| Bearing | | 1 |
| Power factor | | 0,8 |
| Frequency | Hz | 50 |
| Prime power | KVA | 45 |
| Exciter Type | | Brushless, self-excitation |
| Voltage regulation | % | ±0.5 |
| Protection Grade | | IP 23 |
| Insulation grade | | H |

Controller-Deepsea

Model DSE 6120

7 configurable digital inputs
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)

| | | |
|--------|----|---------------|
| | | |
| L*W*H | mm | 2290x970x1330 |
| Weight | kg | 1.048 |

Warranty

Perkins Engine

12 months from date of purchase or 1000 hours.

Generator

12 months from date of purchase or 1000 hours



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NEW AND USED GENERATOR SETS