

1. Genset 500 kVA - 50Hz**POWERED BY****VOLVO PENTA****DSE****WEG****2. Technical informations**

| Generator Specifications | Unit | Description | | |
|--------------------------|----------|----------------------------------|-------------------|-------------------|
| Regulation class | | ISO8528 | | |
| Frequency | Hz | 60 | | |
| Power Factor | | 0.8 | | |
| Three Phase Voltage | Vca | 380 - 220 / 400 - 231 | | |
| Operating System | | Stand-By | Prime | COP |
| Genset Power | kVA / kW | 500 / 400 | 456 / 365 | 316 / 252 |
| Diesel Engine Power | CV | 599 | 540.4 | 377.5 |
| Fuel Tank | | Removable in the 400 liters base | | |
| Consumption ± 5% | l/h | 102.3 | 91.40000000000001 | 64.59999999999999 |
| Fuel Tank Autonomy | h | 3.9 | 4.3 | 6.9 |
| Battery | | 2 x 12V - 150Ah - 900CCA | | |

| Engine Specifications | Unit | Description | |
|--------------------------------------|----------|--|--------------------------|
| Model | | TAD1344/45GE-B | |
| Brand | | VOLVO | |
| Application | | Stationary | |
| Rotation | rpm | 1500 | |
| Configuration | | 04- stroke / 6 Cylinders in line | |
| Bore x Stroke | mm | 131x158 | |
| Aspiration Type / Injection System | | Turbo Aftercooler / Eletronic Direct | |
| Displacement | l | 12.8 | |
| Compression Ratio | | 18,1:1 | |
| Alternator, standart equipment | A | 80 | |
| Starter, standart equipment | Vcc - kW | 24 - 07 | |
| Cooling System | | Water + Air + Blowing Ventilation System | |
| Coolant Total Capacity | l | 44 | |
| Coolant Specification | | Havoline Xtended Life Premix 50/50 | |
| Lube Oil Specification | | SAE 15W40 / API CI-4 / ACEA E7-08 | |
| Lube Oil liter Capacity with filter | l | 36 | |
| Lube Oil Filter Replacement Interval | h | 200 | |
| Fuel Type Specification | | S10 | |
| Fuel Filter | | Pre-Filter | Main |
| Fuel Filter Specification | | Paper Filter element 10µm | Paper Filter element 5µm |
| Oil Change Intervals | h | 600 | |
| Preheating resistance | | 2000W - Standart to automatic Genset | |

DIESEL GENSET

Genset VGD500.50

| Alternator Specification | | Description | |
|----------------------------------|--|---|--|
| Type | | Brushless | |
| Excitation | | With Auxiliary Coil | |
| Voltage Regulator | | Electronic incorporated with dynamic response from 8 up to 500ms ; static control of 0,5% | |
| IP Rating | | IP23 | |
| Insulation Class | | 180°C (Class H) | |
| Harmonic Distortion Without Load | | < 5% | |
| Short Circuit Current | | 3x IN during 10 s | |
| Leads | | 12 | |
| Connection Box | | Connectable in 3 Tensions | |
| Bearing | | Single | |
| Cooling | | Air | |
| Mounting types | | B15T | |
| Winding Pitch | | Shortened 2/3 | |
| Impregnation | | Industrial Salinity Resistant with Salt Concentration =< 1 g/m3 | |

| Command Panel Specifications | | Unit | Description | |
|---|-----|------|--|-----------|
| Type | | | Manual | Automatic |
| Single Without Ramp | | | DEEP SEA | |
| | | | DS4520 | |
| Single With Ramp | | | DEEP SEA | |
| | | | DS8620 | |
| Parallel Without Ramp | | | DEEP SEA | |
| | | | DS8610 + DS331 | |
| Parallel With Ramp | | | DEEP SEA | |
| | | | DS8610 + DS8660 | |
| Three Phase Voltage | Vca | | 380 - 220 / 400 - 231 | |
| IP Rating | | | IP-23 | |
| Dimensions (H x W x D) | mm | | 1200 x 600 x 255 | |
| Protection | | | Manual thermomagnetic circuit-breaker - tripolar fixed | |
| Parallelism Connection between Generators | | | Motorized Circuit Breaker | |
| Battery Charger | | | YES | NO |

| Assembly Specifications | | Unit | Description | |
|---|-------|-------|--|--------|
| Type | | | Open Skid | Canopy |
| Exhaust System | | | Industrial 8" and stainless-steel bellows; Hospitalar 8" and stainless-steel bellows | |
| Width (W) | mm | | 1180 | 1180 |
| Length (L) | mm | | 3693 | 4640 |
| Height (H) | mm | | 1810 | 2285 |
| Empty Weight | kg | | 3346 | 4019 |
| Impregnation | | | Polyester powder electrostatic (base in black color and Canopy in blue color) | |
| Impregnation type | | | Textured | |
| Salt Spray Resistance Assembly Specifications | | | Minimum 500h (on phosphatized plate) | |
| Paint Thickness | | | 80 µm [microtexturized] | |
| Levels of noise | 1,5 m | dB(A) | 117 | 85 |
| | 7,0 m | dB(A) | 101 | NA |

NA - Not Available

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