

MODEL : K415VS

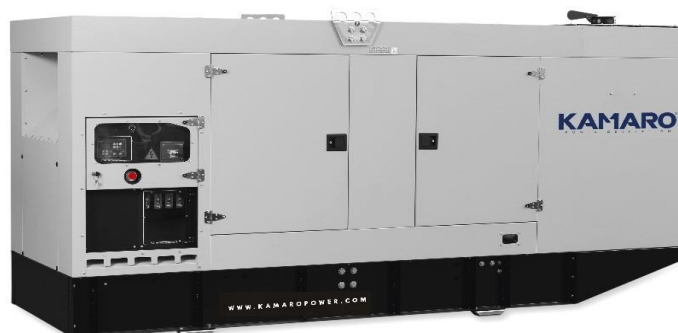


Image provided for illustrative purposes only

| Power Rating | | |
|-------------------|-----|-------|
| Standby power LTP | kVA | 416,2 |
| Prime power PRP | kVA | 379,8 |

| Main Features | | |
|----------------------|------------|----------|
| Frequency | Hz | 50 |
| Voltage | V | 400/230V |
| Power factor | cos ϕ | 0,8 |
| Phase and connection | | 3 |

| Main Specifications | | |
|---------------------------------------------|----------------|----------------|
| Engine Make & Model | Volvo | TAD1343GE |
| Speed Governor | | Electronic |
| Alternator Make & Model | Mecc Alte | ECO40-1S/4 |
| Fuel Tank (ltrs) / Autonomy @75% load (hrs) | 636 | 11 |
| Noise Level - dB(A)@7mt | | 68 |
| Dimensions | L x W x H (mm) | 3951x1438x2085 |
| Weight | Kg | 3671 |

General Structure

Engine/alternator monoblock unit coupled and mounted via adequately sized, anti-vibration mountings to Welded Steel Profile Base Frame with welded or screwed support legs. Fuel Tank with filler neck, air breather, minimum fuel level sensor.

- Soundproof canopy made up of modular panels, realized with zincated steel as treatment against corrosion and aggressive conditions, properly fixed and sealed allowing a full weatherproof enclosure.
- Easy access to the genset for maintenance purposes thanks to: Wide lateral access doors fixed by stainless steel hinges and provided with plastic lockable handles and internal perforated galvanized steel-sheet; Detachable panels, with screws holes protected by rubber tap.
- Control panel protection door provided with suitable window and lockable handle.
- Lateral air inlet opening properly protected and soundproofed. Exhaust air outlet from the roof, trough wet section protected by proper grid.
- Double lifting points frame structure.
- Noise attenuation thanks to soundproofing material (rock wool)
- Efficient residential silencer placed inside the canopy

TECHNICAL DATA SHEET

| Engine | | |
|---------------------------------|-----------------|--------------------------|
| Brand | | Volvo |
| Model | | TAD1343GE |
| Speed Governor | | Electronic |
| Max power PRP | kW | 335 |
| R.P.M. | | 1500 |
| Cylinders | | 6 in line |
| Displacement | cm ³ | 12780 |
| Fuel consumption at 75% of load | l/h | 58,1 |
| Cooling System | | Water |
| Aspiration | | Turbocharged intercooled |

| ALTERNATOR | | |
|---------------------------|----|------------|
| Brand | | Mecc Alte |
| Model | | ECO40-1S/4 |
| Pole | | 4 |
| Stator/rotator insulation | | H |
| Protection level | IP | 21 |

| PHYSICAL CHARACTERISTICS | | |
|--------------------------|----------------|----------------|
| Integrated fuel tank | LTR | 636 |
| Lead acid batteries | | 24V155Ah |
| Dimensions | W x L x H (mm) | 3951x1438x2085 |
| Weight | Kg | 3671 |

| Noise Level dB(A) LWA | | |
|------------------------|-----------|----|
| Guaranteed Noise Level | dB(A) LWA | 97 |
| Noise Pressure Level | @ 7 mt | 68 |

ACP - Automatic control panel

Mounted on the genset, complete with digital control unit AC03 for monitoring, control and protection of the generating set, protected through door with lockable handle.

COMMANDS AND OTHERS

- Four operation modes: OFF - Manual starting - Automatic starting - Automatic test.
- Push-button for forcing Mains contactor or Genset contactor.
- Push-buttons: start/stop, fault reset, up/down/page/enter selection.
- Remote starting availability.
- DC system disconnection switch.
- Acoustic alarm.
- Automatic battery charger.
- RS232 Communication port.
- Settable PASSWORD for protection level.

ALARM PROTECTION

- Engine protection: low fuel level, low oil pressure, high engine temperature.
- Genset protection: under/over voltage, overload, under/over frequency, starting failure, under/over battery voltage

SHUT DOWN PROTECTION

- Engine protection: low fuel level, low oil pressure, high engine temperature,
- Genset protection: under/over voltage, overload, under/over battery voltage, battery charger failure.
- Circuit breaker protection: III poles.
- Earth Fault included in the control unit.

OTHERS PROTECTION

- Emergency stop button.
- Panel protected through door with lockable handle.

OUTPUT PANEL ACP

Plinth row for connection from ACP to LTS panel.
 External Terminal Board (ETB) Standard



LTS - LOAD TRANSFER SWITCH - Accessories ACP

| | | |
|-----------------|----|------|
| Nominal Current | A | 630 |
| Width (W) | mm | 1000 |
| Height (H) | mm | 800 |
| Depth (D) | mm | 400 |