

## MODEL : K165VS



Image provided for illustrative purposes only

Power Rating		
Standby power LTP	kVA	164,0
Prime power PRP	kVA	153,8

Main Features		
Frequency	Hz	50
Voltage	V	400/230V
Power factor	cos $\phi$	0,8
Phase and connection		3

Main Specifications		
Engine Make & Model	Volvo	TAD751GE
Speed Governor		Electronic
Alternator Make & Model	Mecc Alte	ECP34-2L
Fuel Tank (ltrs) / Autonomy @75% load (hrs)	350	12
Noise Level - dB(A)@7mt		68
Dimensions	L x W x H (mm)	3400x1250x1980
Weight	Kg	2224

### 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. Plastic 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, through wet section protected by proper grid.
- Single detachable lifting eye placed on the roof.
- Noise attenuation thanks to soundproofing material (rock wool)
- Efficient residential silencer placed inside the canopy

## TECHNICAL DATA SHEET

Engine		
Brand		Volvo
Model		TAD751GE
Speed Governor		Electronic
Max power PRP	kW	137
R.P.M.		1500
Cylinders		6 in line
Displacement	cm <sup>3</sup>	7150
Fuel consumption at 75% of load	l/h	29,1
Cooling System		Water
Aspiration		Turbocharged-intercooled

ALTERNATOR		
Brand		Mecc Alte
Model		ECP34-2L
Pole		4
Stator/rotator insulation		H
Protection level	IP	23

PHYSICAL CHARACTERISTICS		
Integrated fuel tank	LTR	350
Lead acid batteries		12V110AH
Dimensions	W x L x H (mm)	3400x1250x1980
Weight	Kg	2224

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

**MCP - Manual control panel**

Mounted on the genset and complete of: analogue instrumentation, control, protection of the generating set, protected through door with lockable handle.

**INSTRUMENTATION (ANALOGUE)**

- Voltmeter (1 phase)
- Ammeter (1 phase)
- Hours-counter

**COMMANDS**

- Start/stop selector switch with key (Glow plugs preheating function also included).
- Emergency stop button installed on canopy side.

**PROTECTION WITH ALARM**

- Low fuel level
- Battery charger failure
- low oil pressure
- high engine temperature
- Earth Fault.

**PROTECTIONS WITH SHUTDOWN**

- Low fuel level
- Battery charger failure
- low oil pressure
- high engine temperature.
- Circuit breaker protection: III poles
- Emergency stop button

**OTHERS**

- Panel protected through door with lockable handle.

**OUT PUT PANEL MCP**

Power cables connection to Circuit Breaker.

External

Terminal Board (ETB) **Optional**

Socket kit **Optional**



### 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.  
 Power cables connection to Circuit Breaker.



### LTS - LOAD TRANSFER SWITCH - Accessories ACP

Nominal Current	A	250
Width (W)	mm	600
Height (H)	mm	400
Depth (D)	mm	200