

## TECHNICAL DATA SHEET

# USP-G 110 AV

## USP-G 110 S/V (Sound Proof)

1500 rpm - 50 Hz  
 1800 rpm - 60 Hz

**VOLVO PENTA**



Three Phase



Open Frame



Sound Proof



Water Cooled



Diesel Engine

## STRUCTURE



### Model: Open Frame

Engine/alternator with flexi-disc couplings, installed on a welded steel base frame complete with anti-vibration mountings, silencer and industrial painting.



### Model: Sound Proof [70 dB(A) ±3 at 7 m]

Engine/alternator with flexi-disc couplings, installed on a welded steel base frame complete with anti-vibration mountings. Soundproof enclosure with doors made of 15/10 sheet steel, soundproof material, internal silencer, steel handles and hinges, external fuel tank cap with key, lifting hook, and powder painting. (Images are for illustrative purpose only).

## TECHNICAL DATA

EQUIPMENT SPECIFICATION (ISO 8528/1)	50 Hz	60 Hz
Standby power at 0.8 p.f.	110 kVA	115 kVA
Prime power at 0.8 p.f.	100 kVA	105 kVA
Standby power at 0.8 p.f.	88 kW	92 kW
Prime power at 0.8 p.f.	80 kW	84 kW
Voltage available to the terminals	400/230 V	460/265 V
Integrated fuel tank (Litres)	100 (Open Frame) 140 (Sound Proof)	
Lead acid batteries	12 V 100 Ah	
Dimensions (mm)	2100 x 900 x 1300 (Open Frame) 2850 x 1000 x 1400 (Sound Proof)	
Weight (kg)	1240 (Open Frame) 1650 (Sound Proof)	

ENGINE	50 Hz	60 Hz
Brand and model	VOVLO PENTA TAD531GE	
Mechanical governor	ISO 3046	
Max power	131 Hp	137 Hp
RPM	1500	1800
Cylinders	4 in-line	
Displacement	4760 cc	
Fuel consumption at 75% of load	17.1 L/h	18 L/h

ALTERNATOR	50 Hz	60 Hz
Brand and model	MECC ALTE ECP34 2S/4 (*)	
Synchronous with compound governor voltage	± 0,5%	
Pole	4	
Stator/rotator insulation	H	
Protection level	IP21	
Continuous power	105 kVA	126 kVA

CONTROLLER	50 Hz	60 Hz
Brand and model	BERNINI DESIGN BE24 (*)	
Type	Key start control unit equipped with an LCD display panel with four figures parameter display	
Parameter displays	<ul style="list-style-type: none"> <li>• One phase current</li> <li>• One phase voltage</li> <li>• Frequency</li> <li>• VDC battery</li> <li>• D+ Voltage</li> <li>• Hours run</li> <li>• 30 programmable parameters and settings</li> <li>• 15 shutdowns and alarms</li> </ul>	
Depiction		

ELECTRIC PANEL	
Protection	Thermal magnetic circuit breaker + earth fault device
Connectors	<ul style="list-style-type: none"> <li>• 32A 5P Socket + Circuit breaker</li> <li>• 32A 3P Socket + Circuit breaker</li> <li>• Automatic starting socket</li> </ul>
Manual controls	<ul style="list-style-type: none"> <li>• Ammeter</li> <li>• Frequency meter</li> <li>• Hours run meter</li> </ul>
Other Features	<ul style="list-style-type: none"> <li>• Voltmeter + phase selector switch</li> <li>• Emergency stop button</li> <li>• Power terminal board</li> </ul>

(\*) = or similar brand in line with our policy of continuous development