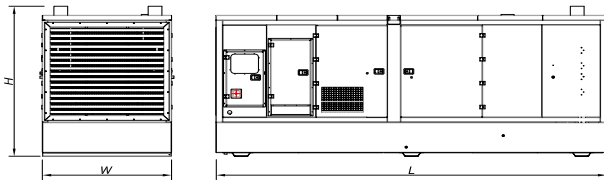


# 700 KVA STANDBY SILENCED SET VOLVO



## TECHNICAL INFORMATION

|                     |         |
|---------------------|---------|
| Voltage (V):        | 400/230 |
| Frequency (Hz):     | 50      |
| PRP Power (kVA)     | 629.8   |
| Standby Power (kVA) | 700.3   |
| PRP Power (kW)      | 503.8   |
| Standby Power (kW)  | 560.2   |

## Weight and Dimensions (mm)

|                        |      |
|------------------------|------|
| Length (L)             | 5600 |
| Width (W)              | 1850 |
| Height (H)             | 2330 |
| Weight (kg)            | 6395 |
| Fuel tank capacity (l) | 970  |

## Noise Level

|                                   |    |
|-----------------------------------|----|
| Acoustic Pressure [LpA] (dBA @7m) | 71 |
| Acoustic Power [LwA] (Dba)        | 98 |

## Consumption

|      | PRP Power |               |
|------|-----------|---------------|
|      | L/h       | Range (hours) |
| 25%  | 35        | 27.7          |
| 50%  | 63.8      | 15.2          |
| 75%  | 95.6      | 10.1          |
| 100% | 129.5     | 7.5           |

|      | Standby Power |               |
|------|---------------|---------------|
|      | L/h           | Range (hours) |
| 25%  | 37.9          | 25.6          |
| 50%  | 70.3          | 13.8          |
| 75%  | 106           | 9.2           |
| 100% | 144.2         | 6.7           |

## ENGINE

|                            |             |
|----------------------------|-------------|
| Brand                      | VOLVO       |
| Model                      | TWD 1643 GE |
| Electronic Management      | YES         |
| No. of cylinders           | 6           |
| Engine Capacity (c.c)      | 16120       |
| Bore (mm)                  | 144         |
| Stroke (mm)                | 165         |
| Compression ratio          | 16.5:1      |
| Water cooled               | YES         |
| Speed (R.P.M)              | 1500        |
| Mechanical Net Power (kWm) | 596         |
| Fuel tank capacity (l)     | 970         |

## Cooling System

|                               |     |
|-------------------------------|-----|
| Flow of air from fan (m3/min) | 715 |
|-------------------------------|-----|

## Lubrication System

|  |      |
|--|------|
| Oil sump capacity (l)                        | 48   |
| Maximum oil consumption (% fuel consumption) | 0.11 |

## Air intake system

|                             |       |
|-----------------------------|-------|
| Aspirated air flow (m3/min) | 46.96 |
|-----------------------------|-------|

## Electrical System

|                     |               |
|---------------------|---------------|
| Number of batteries | 2             |
| Battery             | 12V 44Ah-730A |

## Exhaust System

|                                  |       |
|----------------------------------|-------|
| Input diameter (")               | 6     |
| Output diameter (")              | 7.6   |
| Body diameter (mm)               | 611   |
| Exhaust length (mm)              | 1.350 |
| T <sup>a</sup> gas emission (°C) | 463   |
| Gas flow (m3/min)                | 111.8 |

## ALTERNATOR

|                       |                |
|-----------------------|----------------|
| Model                 | LSA 49.1 S4 6H |
| Electronic Regulation | YES            |
| AVR                   | R 450          |
| Power (kVA)           | 725            |

## ELECTRIC PANEL

|                    |               |
|--------------------|---------------|
| Protection Devices | YES           |
| Control Card       | DEEP SEA 7320 |