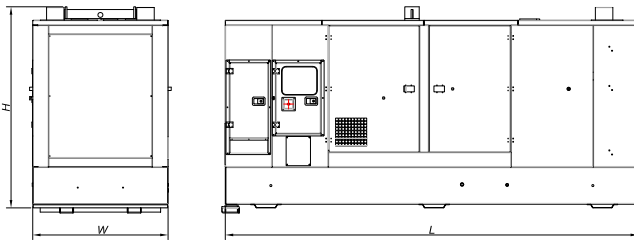


# 315 KVA MINING SERIES VOLVO



### TECHNICAL INFORMATION

|                     |         |
|---------------------|---------|
| Voltage (V):        | 400/230 |
| Frequency (Hz):     | 50      |
| PRP Power (kVA)     | 315     |
| Standby Power (kVA) | 341     |
| PRP Power (kW)      | 252     |
| Standby Power (kW)  | 272.8   |

### Weight and Dimensions (mm)

|                        |      |
|------------------------|------|
| Length (L)             | 4660 |
| Width (W)              | 1550 |
| Height (H)             | 2530 |
| Weight (kg)            | 4289 |
| Fuel tank capacity (l) | 1625 |

### Noise Level

|                                   |    |
|-----------------------------------|----|
| Acoustic Pressure [LpA] (dBA @7m) | 70 |
| Acoustic Power [LwA] (Dba)        | 97 |

### Consumption

|      | PRP Power |               |
|------|-----------|---------------|
|      | L/h       | Range (hours) |
| 25%  | 19        | 80.7          |
| 50%  | 33.4      | 44.7          |
| 75%  | 48.3      | 30.9          |
| 100% | 65.1      | 23.0          |

|      | Standby Power |               |
|------|---------------|---------------|
|      | L/h           | Range (hours) |
| 25%  | 20.5          | 74.8          |
| 50%  | 36.2          | 41.3          |
| 75%  | 52.7          | 28.2          |
| 100% | 69.2          | 20.7          |

### ENGINE

|                            |             |
|----------------------------|-------------|
| Brand                      | VOLVO       |
| Model                      | TAD 1341 GE |
| Electronic Management      | YES         |
| No. of cylinders           | 6           |
| Engine Capacity (c.c)      | 12780       |
| Bore (mm)                  | 131         |
| Stroke (mm)                | 158         |
| Compression ratio          | 18.1:1      |
| Water cooled               | YES         |
| Speed (R.P.M.)             | 1500        |
| Mechanical Net Power (kWm) | 275         |

### Cooling System

|                               |     |
|-------------------------------|-----|
| Flow of air from fan (m3/min) | 330 |
|-------------------------------|-----|

### Lubrication System

|  |      |
|--|------|
| Oil sump capacity (l)                        | 36   |
| Maximum oil consumption (% fuel consumption) | 0.04 |

### Air intake system

|                             |      |
|-----------------------------|------|
| Aspirated air flow (m3/min) | 22.7 |
|-----------------------------|------|

### 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° gas emission (°C) | 405   |
| Gas flow (m3/min)    | 49    |

### ALTERNATOR

|                       |                |
|-----------------------|----------------|
| Model                 | LSA 46.2 VL 12 |
| Electronic Regulation | YES            |
| AVR                   | R 450          |
| Power (kVA)           | 315            |

### ELECTRIC PANEL

|                    |               |
|--------------------|---------------|
| Protection Devices | YES           |
| Circuit Breaker    | 4P 630A R     |
| Control Card       | DEEP SEA 7310 |