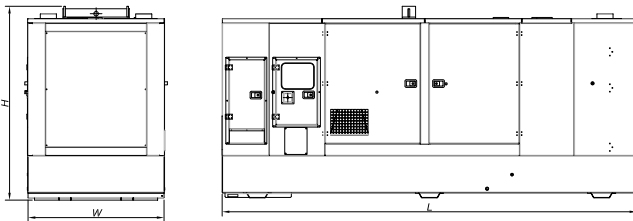


590 KVA MINING SERIES VOLVO



TECHNICAL INFORMATION

Voltage (V):	400/230
Frequency (Hz):	50
PRP Power (kVA)	597.375
Standby Power (kVA)	657.875
PRP Power (kW)	477.9
Standby Power (kW)	526.3

Weight and Dimensions (mm)

Length (L)	5080
Width (W)	1700
Height (H)	2620
Weight (kg)	5962
Fuel tank capacity (l)	2100

Noise Level

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

Consumption

	PRP Power	
	L/h	Range (hours)
25%	32.58	64.5
50%	59.66	35.2
75%	88.4	23.5
100%	119.7	17.4

	Standby Power	
	L/h	Range (hours)
25%	34.9	59.5
50%	65.1	31.9
75%	97.7	21.3
100%	132.9	15.6

ENGINE

Brand	VOLVO
Model	TAD 1642 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)	503

Cooling System

Flow of air from fan (m3/min)	600
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Lubrication System

Oil sump capacity (l)	48
Maximum oil consumption (% fuel consumption)	0.1

Air intake system

Aspirated air flow (m3/min)	38
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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 ^a gas emission (°C)	471
Gas flow (m3/min)	92.6

ALTERNATOR

Model	LSA 47.2 L9
Electronic Regulation	YES
AVR	R 450
Power (kVA)	600

ELECTRIC PANEL

Protection Devices	YES
Circuit Breaker	4P 1250A R
Control Card	DEEP SEA 7310