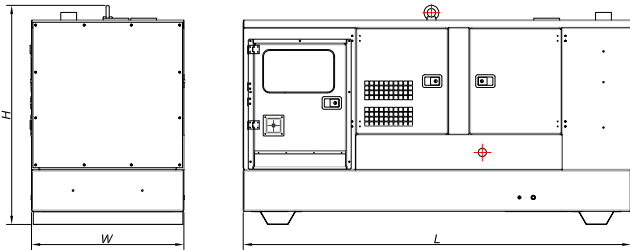


80 KVA MINING SERIES PERKINS



TECHNICAL INFORMATION

Voltage (V):	400/230
Frequency (Hz):	50
PRP Power (kVA)	80
Standby Power (kVA)	88
PRP Power (kW)	64
Standby Power (kW)	70.4

Weight and Dimensions (mm)

Length (L)	2880
Width (W)	1140
Height (H)	1838
Weight (kg)	1572
Fuel tank capacity (l)	520

Noise Level

Acoustic Pressure [LpA] (dBA @7m)	68
Acoustic Power [LwA] (Dba)	94

Consumption

	PRP Power	
	L/h	Range (hours)
25%	5.2	100.0
50%	9.7	53.6
75%	14	37.2
100%	18.7	27.8

	Standby Power	
	L/h	Range (hours)
25%	0	0
50%	0	0
75%	15.3	33.9
100%	20.5	25.4

ENGINE

Brand	PERKINS
Model	1104A-44TG2
No. of cylinders	4
Engine Capacity (c.c)	4400
Bore (mm)	105
Stroke (mm)	127
Compression ratio	17.2:1
Water cooled	YES
Speed (R.P.M.)	1500
Mechanical Net Power (kWm)	71.9

Cooling System

Flow of air from fan (m3/min)	89
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Lubrication System

Oil sump capacity (l)	8
Maximum oil consumption (% fuel consumption)	0.15

Air intake system

Aspirated air flow (m3/min)	4.8
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Electrical System

Number of batteries	1
Battery	12V 60 Ah. 680 A

Exhaust System

Input diameter (")	3
Output diameter (")	3.5
T ^a gas emission (°C)	280
Gas flow (m3/min)	1.285

ALTERNATOR

Model	LSA 43.2 L8
AVR	R 250
Power (kVA)	80

ELECTRIC PANEL

Protection Devices	YES
Circuit Breaker	4P 125A R
Control Card	DEEP SEA 7310