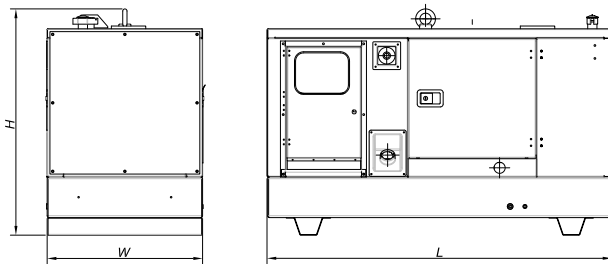


20 KVA MINING SERIES PERKINS



TECHNICAL INFORMATION

Voltage (V):	400/230
Frequency (Hz):	50
PRP Power (kVA)	20
Standby Power (kVA)	22
PRP Power (kW)	16
Standby Power (kW)	17.6

Weight and Dimensions (mm)

Length (L)	1940
Width (W)	890
Height (H)	1398
Weight (kg)	717
Fuel tank capacity (l)	115

Noise Level

Acoustic Pressure [LpA] (dBA @7m)	63
Acoustic Power [LwA] (Dba)	89

Consumption

	PRP Power	
	L/h	Range (hours)
25%	0	0
50%	2.9	39.7
75%	4	28.8
100%	5.3	21.7

	Standby Power	
	L/h	Range (hours)
25%	0	0
50%	0	0
75%	4.6	25.0
100%	6.1	18.9

ENGINE

Brand	PERKINS
Model	404D-22G
No. of cylinders	4
Engine Capacity (c.c)	2216
Bore (mm)	84
Stroke (mm)	100
Compression ratio	22.4:1
Water cooled	YES
Speed (R.P.M.)	1500
Mechanical Net Power (kWm)	18.4

Cooling System

Flow of air from fan (m3/min)	40.2
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Lubrication System

Oil sump capacity (l)	9
Maximum oil consumption (% fuel consumption)	0.3

Air intake system

Aspirated air flow (m3/min)	1.45
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Electrical System

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

Exhaust System

Input diameter (")	2
Output diameter (")	2
T ^a gas emission (°C)	445
Gas flow (m3/min)	3.64

ALTERNATOR

Model	LSA 40 M5
Electronic Regulation	YES
AVR	R 220
Power (kVA)	20

ELECTRIC PANEL

Protection Devices	YES
Control Card	DEEP SEA 7310