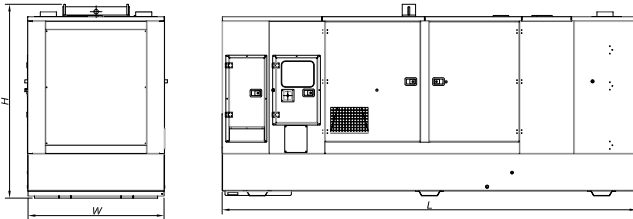


500 KVA MINING SERIES MTU



TECHNICAL INFORMATION

Voltage (V):	400/230
Frequency (Hz):	50
PRP Power (kVA)	500
Standby Power (kVA)	558.5
PRP Power (kW)	400
Standby Power (kW)	446.8

Weight and Dimensions (mm)

Length (L)	5000
Width (W)	1650
Height (H)	2300
Weight (kg)	5937
Fuel tank capacity (l)	685

Noise Level

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

Consumption

	PRP Power	
	L/h	Range (hours)
25%	32	21.4
50%	61.4	11.2
75%	87.4	7.8
100%	110.2	6.2

	Standby Power	
	L/h	Range (hours)
25%	36	19
50%	67.3	10.2
75%	94.8	7.2
100%	118.9	5.8

ENGINE

Brand	MTU
Model	10V 1600 G20/80F
Electronic Management	YES
No. of cylinders	10
Engine Capacity (c.c)	17500
Bore (mm)	122
Stroke (mm)	150
Compression ratio	17.5:1
Water cooled	YES
Speed (R.P.M.)	1500
Mechanical Net Power (kWm)	430.3

Cooling System

Flow of air from fan (m3/min)	654
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Lubrication System

Oil sump capacity (l)	53
Maximum oil consumption (% fuel consumption)	0.5

Air intake system

Aspirated air flow (m3/min)	27
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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)	520
Gas flow (m3/min)	75

ALTERNATOR

Model	LSA 47.2 M7
Electronic Regulation	YES
AVR	R 450
Power (kVA)	500

ELECTRIC PANEL

Protection Devices	YES
Circuit Breaker	4P 800A R
Control Card	DEEP SEA 7310