



HMW
MTU

HMW-2230 T6

Powered by:
MTU 16V 4000 G83

2,228 kW at 60 Hz



Generating Set Performance		60 Hz	
SERVICE		P.R.P (1)	Standby (2)
Rated output	kVA	2.600	2.785
Active power output *	kW	2,080	2,228
Rated speed	r.p.m.	1,800	
Standard Voltage	V	480	
Voltage available	V	480/277 - 440/254	

Performance data refers to Standard Reference Conditions of **ISO 8528** : + 25 °C , 100 m ALT, relative humidity 30 %

During running-in period the output increases by approx. 5 % which is taken into consideration at delivery.

Power reduction acc. to **DIN ISO 3046**. Standard values: Above 100 m ALT approx. 1 % per 100 m. Above 25 °C (77 °F) approx. 4 % per 10 °C (50 °F).

* Considering cos phi= 0,8

Prime Mover Performance		1.800 r.p.m.	
SERVICE		P.R.P (1)	Standby (2)
Rated output	kW	2,280	2,508
Manufacturer		MTU	
Engine model		16V 4000 G83	
4 stroke Diesel Engine - Injection type		DIRECT	
Aspiration type		TURBOCHARGED AND AFTERCOOLED	
Cylinders, number and arrangement		16 - V	
Bore x stroke	mm	170 x 210	
Total displacement	L	76.3	
Cooling system		WATER	
Lube oil specifications		SAE 15 W 40	
Compression ratio		16.5 : 1	
Specific fuel consumption (P.R.P)	g / kWh	208	
Specific oil consumption (at full load)	%	1.0	
Lube oil maximum capacity	L	240	
Total coolant capacity	L	175	
Speed governor	Type	Electronic, system MDEC	
Air filter	Type	DRY	

(1) Prime Power (P.R.P.) - ISO 8528: prime power is the maximum power available during a variable power sequence, which may be run for an unlimited number of hours per year, between stated maintenance intervals. The permissible average power output during a 24 hours period shall not exceed 80% of the prime power. 10% overload available for governing purposes only.

(2) Max Stand-by power (ISO 3046 Fuel Stop power): power available for use at variable loads for limited annual time (500h), within the following limits of maximum operating time: 100% loads 25 h per year - 90% loads 200 h per year No overload available. Applicable in case of failure of the main in areas of reliable electrical network.

Synchronous Generator *		
Poles	Nº	4
Winding connections (standard)		Star - serie
Frame mounting		SAE 0 - 21"
Insulation	class	H
Enclosure (according to IEC-34-5)		IP 23
Exciter system		Self-regulating Brushless
Voltage regulator		A.V.R (Electronic)
Steady voltage precision		within ± 1.5% from no load to full loading with cosφ=0.8÷1

*Alternator used by Gensets meet the requirements of following Standard: BS5000, VDE 0530, NEMA MG1-32, IEC34, CSA C22.2-100, AS1359.



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Generating Set Installation Data		1,800 r.p.m.
EXHAUST SYSTEM		
Max. exhaust temperature at full load	° C	480
	° F	896
Exhaust gas flow	m ³ /s	7.6
Maximum allowed back pressure	mbar	85
Recommended exhaust pipe size for L= 5 m	mm	-
AIR REQUIREMENT		
Air requirement for combustion at 100% load / rated speed	m ³ /min	180
	ft ³ /min	6,356.7
ELECTRIC STARTING SYSTEM		
Starting motor output	kW	-
	CV	-
Minimum recommended battery capacity	Ah	-
Auxiliary voltage	Vcc.	24V
LIQUID CAPACITY		
Lube oil system including sump, filters, etc.	L	300
FUEL TANK CAPACITY		
Open Skid Genset	L	999
Soundproofed	L	999

Generating Set transport data			
WEIGHT AND DIMENSIONS OPEN SKID GENSET			
Length	m - ft	5.85	- 19.18
Width	m - ft	1.8	- 5.9
Height	m - ft	2.40	- 7.87
Shipping volume seaworthy (Standard supplier)	m ³ - ft ³	25.27	- 890.58
Dry weight (with standard accessories)	kg - lb	-	-

WEIGHT AND DIMENSIONS SOUNDPROOFED CONTAINER 40"			
Length	m - ft	12.19	- 39.99
Width	m - ft	2.44	- 7.97
Height	m - ft	2.59	- 8.49
Shipping volume seaworthy (Standard supplier)	m ³ - ft ³	67.4	- 2,380.20
Dry weight (with standard accessories)	kg - lb	17,700	- 39,021
Sound level at 7m	dB(A)	70	

* Weights and dimensions approximate. To consult in factory.



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