



CV915-60

Powered by:

MTU 16V 2000 G45

915 kW at 60 Hz



Generating Set Performance		60 Hz	
SERVICE		P.R.P. (1)	Standby (2)
Rated output	kVA	1,037	1,144
Active power output *	kW	829	915
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	915	1.007
Manufacturer		MTU	
Engine model		16V 2000 G45	
4 stroke Diesel Engine - Injection type		DIRECT	
Aspiration type		TURBOCHARGED AND AFTERCOOLED	
Cylinders, number and arrangement		16 - V	
Bore x stroke	mm	130 x 150	
Total displacement	L	31.84	
Cooling system		WATER	
Lube oil specifications		SAE 15 W 40	
Compression ratio		16 : 1	
Specific fuel consumption (P.R.P)	g/kWh	206	
Specific oil consumption (at full load)	%	1.00	
Lube oil maximum capacity	L	99	
Total coolant capacity	L	110	
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 - 18"
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 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	520
	° F	968
Exhaust gas flow	m³/s	3.2
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	m³/min	81
	ft³/min	2,860.52
ELECTRIC STARTING SYSTEM		
Starting motor output	kW	9.0
	CV	12.24
Minimum recommended battery capacity	Ah	-
Auxiliary voltage	Vcc.	24V
LIQUID CAPACITY		
Lube oil system including sump, filters, etc.	L	102
FUEL TANK CAPACITY		
Open Skid Genset	L	999
Soundproofed	L	999

Generating Set transport data				
WEIGHT AND DIMENSIONS OPEN SKID GENSET				
Length	m - ft	4.75	-	15.58
Width	m - ft	1.6	-	5.24
Height	m - ft	2.23	-	7.31
Shipping volume seaworthy (Standard supplier)	m³ - ft³	16.94	-	596.78
Dry weight (with standard accessories)	kg - lb	7,800	-	17,160
WEIGHT AND DIMENSIONS SOUNDPROOFED GENSET				
Length	m - ft	7.05	-	23.12
Width	m - ft	1.90	-	6.23
Height	m - ft	2.60	-	8.52
Shipping volume seaworthy (Standard supplier)	m³ - ft³	34.82	-	1,227.20
Dry weight (with standard accessories)	kg - lb	10,300	-	22,660
Sound level at 7m	dB(A)	N/A		
WEIGHT AND DIMENSIONS SOUNDPROOFED CONTAINER 20'				
Length	m - ft	6.06	-	19.8
Width	m - ft	2.44	-	8
Height	m - ft	2.59	-	8.49
Shipping volume seaworthy (Standard supplier)	m³ - ft³	38.29	-	1,344.81
Dry weight (with standard accessories)	kg - lb	12,500	-	27,500
Sound level at 7m	dB(A)	N/A		

* Weights and dimensions approximate. To consult in factory.



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