

DIESEL GENSET - 50 HZ

AIR CHARGE-AIR COOLING

1150 - 1265 kVA
400V

BENEFITS

- // Low installment cost
- // Best fuel consumption values
- // Long maintenance intervals
- // High-efficiency components
- // Best-in-class reliability and availability



SYSTEM RATINGS

Standby Power

Genset Type	Engine Type	Nominal Rating		Emissions
		kVA ¹⁾	kVA ²⁾	
DS 1265 D5S	18V 2000 G65	1265*	1239	Fuel optimized

Prime Power

Genset Type	Engine Type	Nominal Rating		Emissions
		kVA ¹⁾	kVA ²⁾	
DP 1150 D5S	18V 2000 G65	1150*	1125	Fuel optimized/TA-Luft

* Adjustment of fan power demand required

// REFERENCE CONDITIONS

	1)	2)
Ambient air temp.:	25°C (77°F)	33°C (91°F)
Charge air coolant temp.:	65°C (149°F)	55°C (131°F)
Ambient air pressure:	1000 mbar	1000 mbar
Altitude above sea level:	100 m	400 m

// ENGINE DATA

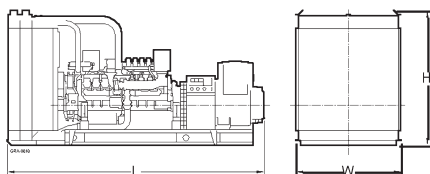
Bore/Stroke	130/150 mm (5.1/5.9 in)
Cyl. configuration	90°V
Cyl. displacement	1.99 lit. (121 cu in)
Displacement, total	18V: 35.8 lit. (2185 cu in)
Fuel specification	EN 590, Grade No.1-D/2-D (ASTM D975-00)

Application	Definition
3B	Prime Power Continuous operation with variable load Load factor: < 75 % Operating hours/year: unrestricted Overload: 10 % capability (ICXN)
3D	Standby Power Standby operation with variable load Load factor: < 85 % Operating hours/year: max. 500 Overload: Fuel stop power (IFN)

Gensets available also with Water Charge Air Cooling

All Gensets are available with optional Voltages 380V and 415V. Ratings can variate please contact your MTU distributor.

	Fuel Optimized		Emission Optimized
	Standby	Prime	Prime
Genset Type	DS1265D5SFA	DP1150D5SFA	DP1150D5SFA
Engine Type	18V 2000 G65	18V 2000 G65	18V 2000 G65
Generator type	740RSL7046	740RSL7046	740RSL7046
Fuel Consumption *			
100% load	g/kWh (l/h)	203 (269)	202 (243)
75% load	g/kWh (l/h)	200 (199)	200 (181)
50% load	g/kWh (l/h)	201 (133)	204 (123)
Mechanical Radiator, unit-mounted			
Max. air temp. on fan	°C	45	45
Ambient temperature	°C	40	40
Fan air flow	m ³ /s	26.5	25.8
Air flow restriction	Pascal	200	200
Air Intake			
Intake air depression	mbar	15	15
Intake air flow	m ³ /s	1.25	1.15
Exhaust System			
Exhaust gas flow	m ³ /s	3.6	3.3
Exhaust gas temperature	°C	560	555
Exhaust back pressure	mbar	50	50
Generator			
Temperature rise	°K	125 (H)	125 (H)
Lube System			
Engine oil capacity	l	130	130
Emissions			
NOx	mg/Nm ³	-	-
CO	mg/Nm ³	-	-
Dust	mg/Nm ³	-	-
Air born noise level at 1m	dB(A)	103	105
Exhaust noise level at 1 m	dB(A)	108	107
Dimensions			
Length	mm	5050	5050
Width	mm	2230	2230
Height	mm	2500	2500
Total Weight, wet	kg	7959	7959



All ratings include power requirement for mechanical driven cooling fan.

* Values referenced are in accordance with ISO 3046-1. Conversion calculated with fuel density of 0.83 g/ml.

Note: This drawing is provided for reference only and should not be used for planning installation. Please contact your local distributor for more detailed information.

Materials and specifications subject to change without notice.