DIESEL GENSET - 50 HZ
AIR CHARGE-AIR COOLING

925 - 1120 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 1020 D5S	16V 2000 G25	1020*	1004	Fuel optimized
DS 1120 D5S	16V 2000 G65	1120*	1102	Fuel optimized

Prime Power

Genset Type	Engine Type	Nominal Rating		Emissions
		kVA [1]	kVA [2]	
DP 925 D5S	16V 2000 G25	925*	911	Fuel optimized/TA-Luft
DP 1020 D5S	16V 2000 G65	1020*	1004	Fuel optimized/TA-Luft

* Adjustment of fan power demand required

// REFERENCE CONDITIONS

	1)	2)
Ambient air temp.:	25°C (77°F)	40°C (104°F)
Charge air coolant temp.:	55°C (131°F)	55°C (131°F)
Ambient air pressure:	1000 mbar	1000 mbar
Altitude above sea level:	100 m	400 m

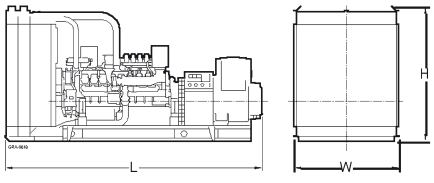
// ENGINE DATA

Bore/Stroke	130/150 mm (5.1/5.9 in)
Cyl. configuration	90°V
Cyl. displacement	1.99 lit. (121 cu in)
Displacement, total	16V: 31.8 lit. (1947 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		DS1020D5SFA	DS1120D5SFA	DP925D5SFA	DP1020D5SFA	DP925D5SFA	DP1020D5SFA
Engine Type		16V 2000 G25	16V 2000 G65	16V 2000 G25	16V 2000 G65	16V 2000 G25	16V 2000 G65
Generator type		575RSL7044	740RSL7046	575RSL7044	740RSL7046	575RSL7044	740RSL7046
Fuel Consumption *							
100% load	g/kWh (l/h)	198 (205)	199 (226)	198 (186)	198 (205)	219 (206)	220 (228)
75% load	g/kWh (l/h)	196 (152)	195 (166)	198 (140)	196 (152)	216 (153)	216 (168)
50% load	g/kWh (l/h)	201 (104)	198 (112)	203 (96)	201 (104)	217 (102)	216 (112)
Mechanical Radiator, unit-mounted							
Max. air temp. on fan	°C	45	45	45	45	45	45
Ambient temperature	°C	40	40	40	40	40	40
Fan air flow	m^3/s	20.6	20.6	20.4	20.4	20.4	20.4
Air flow restriction	Pascal	200	200	200	200	200	200
Air Intake							
Intake air depression	mbar	15	15	15	15	15	15
Intake air flow	m^3/s	1.1	1.2	1	1.1	1.25	1.3
Exhaust System							
Exhaust gas flow	m^3/s	3	3.3	2.7	3.25	3.3	3.6
Exhaust gas temperature	°C	530	535	520	530	525	540
Exhaust back pressure	mbar	50	50	50	50	50	50
Generator							
Temperature rise	°K	125 (H)	125 (H)	125 (H)	125 (H)	125 (H)	125 (H)
Lube System							
Engine oil capacity	l	102	102	102	102	102	102
Emissions							
NOx	mg/Nm^3	-	-	-	-	1500	1500
CO	mg/Nm^3	-	-	-	-	300	300
Dust	mg/Nm^3	-	-	-	-	20	20
Air born noise level at 1m	dB(A)	103	103	99	102	102	103
Exhaust noise level at 1 m	dB(A)	107	108	107	106	109	110
Genset							
Lengths	mm	4770	4770	4770	4770	4770	4770
Widths	mm	1900	1900	1900	1900	1900	1900
Height	mm	2221	2221	2221	2221	2221	2221
Total Weight, wet	kg	7328	7429	7328	7429	7328	7429



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.

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