DIESEL GENSET - 50 HZ
WATER CHARGE-AIR COOLING

940 - 1150 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 1035 D5S	16V 2000 G25 TB	1035	1035	Fuel optimized
DS 1150 D5S	16V 2000 G65 TB	1150	1150	Fuel optimized

Prime Power

Genset Type	Engine Type	Nominal Rating		Emissions
		kVA [1]	kVA [2]	
DP 940 D5S	16V 2000 G25 TB	940	940	Fuel optimized
DP 1045 D5S	16V 2000 G65 TB	1045	1045	Fuel optimized

// 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

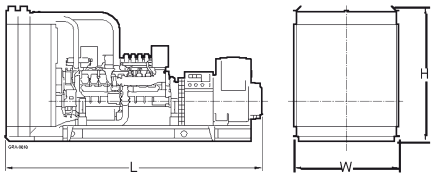
// ENGINE DATA

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

		Fuel Optimized			
		Standby		Prime	
Genset Type		DS1035D5SFW	DS1150D5SFW	DP940D5SFW	DP1045D5SFW
Engine Type		16V2000G25TB	16V2000G65TB	16V2000G25TB	16V2000G65TB
Generator type		575RSL7044	740RSL7046	575RSL7044	740RSL7046
Fuel Consumption *					
100% load	g/kWh (l/h)	198 (205)	199 (234)	198 (193)	198 (212)
75% load	g/kWh (l/h)	196 (152)	195 (172)	198 (145)	196 (158)
50% load	g/kWh (l/h)	201 (104)	198 (116)	203 (99)	201 (108)
Electrical Radiator, for remote installation					
Max. air temperature on fan	°C	45.5	45.5	45.5	45.5
Ambient temperature	°C	40	40	40	40
Fan air flow (77F and 29.22Hg)	m^3/s	–	27.49	–	27.49
Fan power	kW	32.3	32.3	32.3	32.3
Air flow restriction	Pascal	348.7	326.3	348.7	326.3
Heat dissipated by engine cool.	kW	375	395	355	375
Water flow engine cool. circuit	m^3/h	40	40	40	40
Cool. temp. at engine outlet	°C	95	95	95	95
Charge air heat dissipation	kW	195	225	170	195
Water flow eng. charge air circ.	m^3/h	14	14	14	14
Cool. temp. before intercooler	°C	60	60	60	60
Dimensions (LxWxH)	mm	1750x2000x2400	1850x2100x2550	1750x2000x2400	1850x2100x2550
Weight, wet	kg	1400	1500	1400	1500
Air Intake					
Intake air depression	mbar	15	15	15	15
Intake air flow	m^3/s	1.1	1.2	1	1.1
Exhaust System					
Exhaust gas flow	m^3/s	3	3.3	2.7	2.95
Exhaust gas temperature	°C	530	535	520	520
Exhaust back pressure	mbar	50	50	50	50
Generator					
Temperature rise	°K	125 (H)	125 (H)	125 (H)	125 (H)
Lube System					
Engine oil capacity	l	102	102	102	102
Emissions					
Air born noise level at 1m	dB(A)	103	103	102	103
Exhaust noise level at 1 m	dB(A)	107	108	106	107
Genset					
Lengths	mm	4200	4200	4200	4200
Widths	mm	1660	1660	1660	1660
Height	mm	1890	1890	1890	1890
Total weight, wet	kg	6578	6669	6578	6669



Power requirement for cooling fan is not included in rating.
* 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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