DIESEL GENSET - 50 HZ
WATER CHARGE-AIR COOLING

1435 - 1880 kVA
400V

BENEFITS

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

SYSTEM RATINGS

Prime Power

Genset Type	Engine Type	Nominal Rating	Emissions
		kVA	
DP 1435 D5S	12V 4000 G23R	1435	TA-Luft*)
DP 1500 D5S	12V 4000 G23	1500	TA-Luft*)
DP 1670 D5S	12V 4000 G23	1670	TA-Luft*)
DP 1880 D5S	12V 4000 G63	1880	TA-Luft[1)]

// REFERENCE CONDITIONS

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

// ENGINE DATA

Bore/Stroke	170/210 mm (6.7/8.3 in)
Cyl. configuration	90°V
Cyl. displacement	4.77 lit. (291 cu in)
Displacement, total	12V: 57.2 lit. (3491 cu in)
Fuel specification	EN 590, Grade No.1-D/2-D (ASTM D975-00)

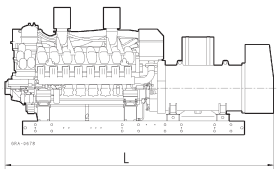
Application	Definition	
3B	**Prime Power**	Load factor: < 75 %
	Continuous operation with variable load	Operating hours/year: unrestricted
		Overload: 10 % capability (ICXN)

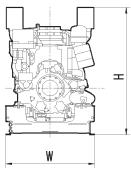
All Gensets are available with optional voltages 380V and 415V. Ratings can variate please contact your MTU distributor.

*) Rated Power available up to 40°C/400m and Charge air coolant temperature 70°C

1) Rated Power available up to 30°C/400m and Charge air coolant temperature 70°C

		TA-Luft			
		Prime Power			
Genset Type		DP1435D5S	DP1500D5S	DP1670D5S	DP1880D5S
Engine Type		12V 4000 G23R	12V 4000 G23	12V 4000 G23	12V 4000 G63
Generator type		742RSL7050	742RSL7050	743RSL7052	744RSL7054
Fuel Consumption *					
100% load	g/kWh (l/h)	220 (319)	221 (357)	221 (378)	223 (423)
75% load	g/kWh (l/h)	215 (234)	215 (260)	215 (276)	217 (309)
50% load	g/kWh (l/h)	223 (162)	219 (177)	219 (187)	217 (206)
Electrical Radiator**					
Max. air temp. on fan	°C	45	45	45	45
Ambient temperature	°C	40	40	40	40
Fan air flow	m^3/s	35.5	35.5	35.5	48.0
Air flow restriction	Pascal	200	200	200	200
Air Intake					
Intake air depression	mbar	15	15	15	15
Intake air flow	m^3/s	1.8	2.1	2.1	2.2
Exhaust System					
Exhaust gas flow	m^3/s	4.5	5.2	5.2	5.6
Exhaust gas temperature	°C	440	470	470	480
Exhaust back pressure	mbar	30	30	30	30
Generator					
Temperature rise (Insulation Class H)	°C	125	125	125	125
Lube System					
Engine oil capacity	l (gal)	260 (69)	260 (69)	260 (69)	260 (69)
Emissions					
NOx	mg/Nm^3	1700	1700	1700	1700
CO	mg/Nm^3	300	300	300	300
Dust	mg/Nm^3	50	50	50	50
Air born noise level at 1m	dB(A)	104	104	104	104
Exhaust noise level at 1 m	dB(A)	113	113	113	114
Dimensions					
Length	mm (in)	4225 (166)	4583 (180)	4583 (180)	4583 (180)
Width	mm (in)	1693 (67)	1693 (67)	1693 (67)	1693 (67)
Height	mm (in)	2410 (95)	2410 (95)	2410 (95)	2410 (95)
Total Weight, wet	kg (lbs)	11950 (26345)	10088 (22240)	12208 (26914)	12451 (27449)
Genset convection heat incl. 10m exhaust pipes	kW (bhp)	142 (190)	134 (180)	158 (211)	121 (162)





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

** Optional scope: Radiator with electrical fan drive for front or remote installation. Connection parts for front installation available as option.

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.

Subject to change. | 3234781 | 1/11 | VMC 2011-01.

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