

GENERATING SETS SERIES "DM"
WATER COOLING

DEUTZ/MWM DIESEL ENGINES

GENERATING SETS

1500 RPM - 400/230 VOLT

50 Hz - 3 PHASE - COSφ 0,8

PRICE LIST 06/04

TECHNICAL SPECIFICATIONS

GENSET TYPE	GENSET POWER				DIESEL ENGINE CHARACTERISTICS									ALTERN EFFICIENCY AVERAGE η %	ESTIMATED DIMENSIONS AND WEIGHTS							
	CONTINUOUS		EMERGENCY		TYPE	NET POWER		CYLINDERS DISPOSIT. & FEEDING	BORE X STROKE mm	TOTAL C.C. cm ³	FUEL CONS. gr/KWh	OIL CONS. % of Fuel cons.	FAN AIR FLOW m ³ /h		STANDARD GENSET ON BASE FRAME				SOUNDPROOF GENSET ON BASE FRAME			
	C.O.P.	L.T.P.	C.O.P.	L.T.P.		kW	kW								L	W	H	WEIGHT	L	W	H	WEIGHT
DM/640	640	512	704	563	TBD616 V12 G1	531	637	12VTA	132 x 160	26275	191	0,3	42500	93	6000	2360	2800	5250	7000	2360	2800	6000
DM/660	660	528	810	648	TBD616 V12G2	541	683	12VTA	132 x 160	26275	192	0,3	42500	93	6000	2360	2800	5250	7000	2360	3100	6000
DM/810	810	648	957	766	TBD616 V16G1	677	851	16VTA	132 x 160	35033	192	0,3	53700	93	6000	2360	2800	6350	7500	2360	2800	7500
DM/900	900	720	1100	880	TBD616 V16 G2	750	939	16VTA	132 x 160	35033	192	0,3	53700	93	6000	2360	2800	6650	7500	2360	2800	7800

GENSET TYPE	GENSET POWER				DIESEL ENGINE CHARACTERISTICS									ALTERN EFFICIENCY AVERAGE η %	ESTIMATED DIMENSIONS AND WEIGHTS							
	CONTINUOUS PRIME POWER		EMERGENCY		TYPE	NET POWER		CYLINDERS DISPOSIT. & FEEDING	BORE X STROKE mm	TOTAL C.C. cm ³	FUEL CONS. gr/KWh	OIL CONS. % of Fuel cons.	FAN AIR FLOW m ³ /h		STANDARD GENSET ON BASE FRAME				SOUNDPROOF GENSET ON BASE FRAME			
	kVA	kW	kVA	kW		PR.P.	L.T.P.								kW	kW	L	W	H	WEIGHT	L	W
DM/679	679	543	747	598	TBD616 V12 G1	556	637	12VTA	132 x 160	26275	191	0,3	42500	93	6000	2360	2800	5500	7000	2360	2800	6250
DM/735	735	588	810	648	TBD616 V12 G2	594	683	12VTA	132 x 160	26275	191	0,3	42500	93	6000	2360	2800	5500	7000	2360	2800	6250
DM/750	750	600	825	660	TBD616 V12 G3	637	718	12VTA	132 x 160	26275	191	0,3	42500	93	6000	2360	2800	5500	7000	2360	2800	6200
DM/870	870	696	957	765	TBD616 V16 G1	765	851	16VTA	132 x 160	35033	191	0,3	53700	93	6000	2360	2800	6700	7500	2360	2800	7500
DM/950	950	760	1100	880	TBD616 V16 G1	809	851	16VTA	132 x 160	35033	191	0,3	53700	93	6000	2360	2800	6900	7500	2360	2800	7700
DM/1020	1020	816	1100	880	TBD616 V16 G2	851	939	16VTA	132 x 160	35033	191	0,3	53700	93	6000	2360	2800	7000	7500	2360	2800	7800

POWER DEFINITION

CONTINUOUS C.O.P.: Net continuous power ISO 3046/1, 100% available at flywheel, no time limitation, plus 10% extra power for governing purposes.

CONTINUOUS PR.P.: Net continuous power at variable load, according to ISO 3046/1, 100% available at flywheel but average power output ≤ 80%, no time limitation, plus 5% extra power for governing purposes.

EMERGENCY L.T.P.: Limited-time running power ISO 3046/1, 100% available at flywheel for limited time periods, not exceeding 500 hour/year total, thereof max. 300 hour/year continuously. No overload permissible. The required extra power for governing purposes must be taken into account however. The L.T.P. powers above showed can be different, because has been considered the maximum available power between the diesel engine one and the alternator one, according to the required working cycle.

REMARKS:

- **Gensets are equipped with electronic RPM governor.**
- the above-mentioned powers are guaranteed with a ± 5% tolerance after running-in period.
- The efficiency of the alternator is calculated from the medium of the efficiencies of the alternators of the main marks.
- Above mentioned technical details are not binding; the firm reserves the right of modifying them, without any previous information.
- Dimensions in mm including electro radiator.
- Dry weights in Kg.
 - "V" : cylinders' V arrangement
 - "TA" :turbocharged feeding with aftercooler

NORMS AND REFERENCE CONDITIONS

- Diesel engine :

DIN 6271	Altitude	100 kPa
ISO 3046	Temperature	25 °C
	Relative humidity	30 %

- Alternator :

CEI 23, IEC 34.1	Altitude	1000 mts. a.s.l.
VDE 0530, BS 4999	Temperature	40 °C