

**GENERATING SETS SERIES "DZ"**
WATER COOLING
1500 RPM - 400/230 VOLT
50 Hz - 3 PHASE - COSφ 0,8**GENERATING SETS**
PRICE LIST 06/04**DEUTZ DIESEL ENGINES****TECHNICAL SPECIFICATIONS**

GENSET TYPE	GENSET POWER				DIESEL ENGINE CHARACTERISTICS									ALTERN EFFICIE NCY AVERAGE η %	ESTIMATED DIMENSIONS AND WEIGHTS							
	CONTINUOUS C.O.P.		EMERGENCY L.T.P.		TYPE	NET POWER CONT. MAX		CYLINDERS DISPOSIT. & FEEDING	BORE X STROKE mm	TOTAL C.C. cm ³	FUEL CONS. gr/KWh	OIL CONS. gr/KWh	FAN AIR FLOW m ³ /h		STANDARD GENSET ON BASE FRAME				SOUNDPROOF GENSET ON BASE FRAME			
	kVA	kW	kVA	kW		kW	kW								L	W	H	WEIGHT	L	W	H	WEIGHT
DZ/70	70	56	77	61,6	BF4M 1012 EC	63	69	4LTA	94 x 115	3192	210	0,6	3950	89	2600	1200	1200	920	3000	1200	1400	1220
DZ/80	80	64	88	70	BF4M 1013 E	77	85	4LT	108 x 130	4764	213	0,6	9870	89	2600	1200	1200	1100	3000	1200	1400	1400
DZ/100	100	80	110	88	BF4M 1013 EC	92	102	4LTA	108 x 130	4764	206	0,6	10450	90	2600	1200	1200	1170	3000	1200	1400	1470
DZ/125	125	100	138	110	BF6M 1013 E	116	128	6LT	108 x 130	7146	211	0,6	11290	91	2600	1200	1200	1330	3000	1200	1400	1630
DZ/150	150	120	165	132	BF6M 1013 EC	139	153	6LTA	108 x 130	7146	197	0,6	14700	91	3000	1250	1400	1380	3400	1250	1600	1780
DZ/180	180	144	198	158	BF6M 1013 FCG3	161,6	196,6	6LTA	108 x 130	7146	226	0,3%	11160	93	3000	1250	1400	1500	3400	1250	1600	1900
DZ/210	210	168	220	176	BF6M 1015	184,3	220,3	6VT	132 x 145	11906	213	0,6	27420	93	3600	1550	1500	1950	4000	1550	1700	2450
GENSET TYPE	GENSET POWER				DIESEL ENGINE CHARACTERISTICS									ALTERN EFFICIE NCY AVERAGE η %	ESTIMATED DIMENSIONS AND WEIGHTS							
	CONTINUOUS PRIME POWER		EMERGENCY L.T.P.		TYPE	NET POWER CONT. MAX		NR CYLIND. DISPOSIT. & FEEDING	BORE X STROKE mm	TOTAL C.C. Cm ³	FUEL CONS. gr/KWh	OIL CONS. gr/KWh	FAN AIR FLOW m ³ /h		STANDARD GENSET ON BASE FRAME				SOUNDPROOF GENSET ON BASE FRAME			
	kVA	kW	kVA	kW		kW	kW								L	W	H	WEIGHT	L	W	H	WEIGHT
DZ/180	180	144	200	160	BF6M 1013 FCG2	156,5	178,7	6LTA	108 x 130	7146	223	0,3%	11160	93	3000	1250	1400	1550	3400	1250	1700	1950
DZ/200	200	160	220	176	BF6M 1013 FCG3	178,6	196,6	6LTA	108 x 130	7146	226	0,3%	11160	93	3000	1250	1400	1600	3400	1250	1700	2000
DZ/225	225	180	248	198	BF6M 1015	199,3	220,3	6VT	132 x 145	11906	213	0,6	27420	93	3600	1550	1450	1950	4000	1550	1750	2450
DZ/250	250	200	275	220	BF6M 1015 C G1	232	262	6VTA	132 x 145	11906	198	0,6	31750	93	3600	1550	1450	2075	4000	1550	1850	2575
DZ/300	300	240	330	264	BF6M 1015 C G2	271,2	301	6VTA	132 x 145	11906	198	0,6	31750	93	3600	1600	1700	2190	4000	1600	2100	2760
DZ/315	315	252	347	277	BF6M 1015 C G2	271,2	301	6VTA	132 x 145	11906	198	0,6	31750	93	3600	1600	1700	2230	4000	1600	2100	2800
DZ/350	350	280	380	304	BF6M 1015 C G3	301	334,5	6VTA	132 x 145	11906	198	0,6	31750	93	3600	1800	1700	2280	4000	1800	2100	2850
DZ/380	380	304	412	330	BF6M 1015 CP	327,3	354,3	6VTA	132 x 145	11906	198	0,6	31750	93	3600	1800	1700	2280	4000	1800	2100	2910
DZ/400	400	320	440	352	BF8M 1015 C G1	353	387	8VTA	132 x 145	15874	197	0,6	40310	93	3600	1800	1700	2560	4000	1800	2100	3130
DZ/450	450	360	480	384	BF8M 1015 C G2	383	408,5	8VTA	132 x 145	15874	197	0,6	40310	93	3600	1800	1700	2600	4000	1800	2100	3170
DZ/475	475	380	523	419	BF8M 1015 C G3	404,4	444,9	8VTA	132 x 145	15874	197	0,6	40310	93	4600	2000	1900	2760	5000	2000	2200	3490
DZ/500	500	400	550	440	BF8M 1015 CP	433,9	477	8VTA	132 x 145	15874	197	0,6	40310	93	4600	2000	1900	2970	5000	2000	2400	3700

POWER DEFINITION**CONTINUOUS (C.O.P.):** Net-continuous power 100% available at flywheel, no time limitation, plus 10% extra power for governing purposes.**CONTINUOUS (PRIME POWER):** Net-prime power 100% available at flywheel, permissible average power output equal to or below 60% (Up to DZ/150) or 80% (from DZ/200 onward), no time limitation plus 5% extra power for governing purposes, taking into consideration a typical generator efficiency from 0,85 to 0,93 and a cosphi of 0,8, including fan power of NT cooling system.**EMERGENCY (L.T.P.):** Net-limited-time running power 100% available at flywheel, which can be delivered during 500 running hours per year, there of max 300 running hours continuously, no overload permissible; the required extra power for governing purposes must be taken into account however.**REMARKS:**

- Above mentioned powers are guaranteed with a ± 5% tolerance.
- The efficiency of the alternator is calculated from the medium of the efficiencies of the alternators of the main marks (0,88 – 0,93).
- Above mentioned technical details are not binding; the firm reserves the right of modifying them without any previous information.
- Dimensions in mm and dry weights in Kg.
- "L" : cylinders disposed on line
- "V" : cylinders at 'V' arrangement
- "T" : turbocharged feeding
- "TA": turbocharged feeding with aftercooler

NORMS AND REFERENCE CONDITIONS**- Diesel engine :**

DIN 6271: Altitude 100 kPa
ISO 3046/1: Temperature 30°C
Relative humidity 30%

- Alternator :

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