



Intech• Deutz Series Diesel Generator Sets Technical Specifications



	Engine Model	IG65D	IG83D	IG110D	IG140D	IG165D	IG220D
Rated power	Prime (KW / KVA)	48/60	60/75	80/100	100/125	120/150	160/200
	Standby (KW / KVA)	52/65	66/83	88/110	110/140	132/165	176/220
100% Load	Fuel Consumption. (g/kwh)	16.9	19.3	25.8	32.3	38.5	50.8
E N G I N E	Model	BF4M2012	BF4M2012C	BF4M1013EC	BF4M1013FC	BF6M1013EC	BF6M1013FC
	Cylinders and Disposition	4L	4L	4L	4L	6L	6L
	Speed (rpm)	1500	1500	1500	1500	1500	1500
	Speed Governing	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Electronic
	Design Features	3.12	4.16	6.23	6.23	6.23	11.9
	Engine Displacement (L)	101×126	105×120	105×120	105×120	105×120	132×145
	Cylinder Bore×Stoke(mm)	17.8:1	15.5:1	15.5:1	15.5:1	15.5:1	17:1
	Compression Ratio	Turbocharge	Turbocharge	Turbocharge	Turbocharge	Turbocharge	Turbocharge
	Cooling Fan Air Flow (m3/min)	67	67	101	135	148	184
	Exhaust Gas Flow (m3/min)	15	15	23	30	33	35
	Exhaust Gas Temperature (°C)	566	566	550	550	550	550
	Engine Oil Capacity (L)	16	16	18	18	18	26
Cooling Water Capacity (L)	30	30	33	33	33	41	
Generator	Design Features	ring, Brushless, Self-exciting, Automatic Voltage Regulation, Protection Class					
	Voltage	400/230	400/230	400/230	400/230	400/230	400/230
	Frequency	50	50	50	50	50	50
	Insulation Class	H	H	H	H	H	H
Genset	Noise (db) LP7m	90	90	90	90	89	89
	Design Features	High strength steel structure underframe, integration assemble					