

Parameters (characteristics)	The Open Joint Stock Company "MINSK MOTOR PLANT" Holding Managing Company" diesel power gensets specifications							
	MDG 30/24	MDG 40/32	MDG 60-48	MDG 70/56	MDG 85/68	MDG 105/84	MDG 130/104	MDG 150/120
1. Full electric power, kWA	30	40	60	70	85	105	130	150
2. Output, kW	24	32	48	56	68	84	104	120
3. Rotation speed, rpm 1500(cosφ), 0,8 Voltage, V 400/230, Frequency, Hz 50								
4. Fuel consumption per hour at rated output , liters per hour	5,8	7,7	11,4	12,8	15,6	19,8	23,8	31,3
5. Fuel tank capacity, liters	200±10				320±10			
5. Mass, kg, no more than	920	980	1070	1190	1500	1570	1620	1650
6. Average recovery time, from	3	3	3	3	3,5	3,5	3,5	3,5
7. Technical use coefficient, no less than 0,97								
8. Designated resource before overhaul, 10 000 operation hours								
9. Operation life, no less than 10 years								
10. Overall dimensions, mm, no more than								
- length	1960	1960	1960	1960	2500	2500	2500	2500
- width	800	800	800	800	800	800	800	800
- height	1600	1600	1600	1600	1700	1700	1700	1700
11. Engine model								
	D246.1	D246.2	D246.3	D246.4	D266.2	D266.3	D266.4	
Manufacturer	OJSC "Minsk Motor Plant"							
Number of cylinders	4	4	4	4	4	6	6	6
Cylinders positioning	In-line							
Cylinder diameter, mm	110							
Stroke, mm	125							
Cooling	Liquid							
Output, kW	42	42	54	65	77	95	115	127
Crankshaft rotation speed, rpm 1500								
Mass, kg, no more than	450	450	450	450	460	650	650	650
12. Alternator: "Mecc Alte", Italy	ECO-28-VL/4	ECO-32-3S/4	ECO-32-2L/4	ECO-32-3L/4	ECP-34-1S/4	ECP-34-2S/4	ECP-34-1L/4	ECP-34-2L/4
Output voltage, V400/230, efficiency at 1500 full load, %92, output ratio (cosφ) 0,8 rotor speed, rpm 1500								
13. Mass, kg	155	214	282	298	341	419	445	465

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