



9320ZLD Biogas Gensets Specification

	项目 Item	规格数据 Specification data	
发 动 机 Engine	型 号 Engine Model	9320ZLDY/Z	9320ZLDY/Z
	额定功率 Engine Power (kW)	1650	1760
	额定转速 Speed (r/min)	600	600
	型 式 Type	增压 Booster	增压 Booster
		直列、水冷、四冲程、火花塞点火、中冷 Inline, water-cooled, four stroke, spark plug ignition, intercooling	
	气缸数 Cylinders NO.	9	
	缸径 Bore (mm)	320	
	行程 Stroke (mm)	400	
	活塞总排量 Total piston displacement (L)	290	
	额定负荷热耗率 Rated load heat rate (MJ/kW·h)	≤ 9.5	≤ 9.3
	旋转方向（自飞轮端视） Rotation direction (from the flywheel)	顺时针 Clockwise	
	启动方式 Starting method	压缩空气 Compressed air	
	排气温度 Exhaust temperature (°C)	≤ 550	
	燃气压力 Gas pressure (kPa)	≥ 2.5	
	燃气进机温度 Gas inlet temperature (°C)	≤ 40	
	机油消耗率 Lube oil consumption (g/kW·h)	≤ 0.6	
	型 号 Genset Model	1500GFT	1600GFT
	额定功率 Rated power (kW)	1500	1600
	频率 Frequency (HZ)	50 / 60	50/60
	电压 Voltage (kV)	0.4 / 6.3 / 10.5	0.4/ 6.3 / 10.5

发 电 机 组 Genset	电流 Electric current (A)	2706 / 172 / 103	2887/ 183/110
	发电效率 Power generation efficiency (%)	40	
	功率因子 Power factor (COSΦ)	0.8 (滞后 lagging)	
	励磁方式 Exciter type	无刷 Brushless	
	相数及接法 Phase number and connection method	三相四线 Three phase four wire	
	电压稳态调速率 Steady state voltage regulation (%)	±5	
	电压瞬态调速率 transient voltage regulation (%)	+25~-20	
	电压稳定时间 Voltage stability time (s)	≤ 2	
	电压波动率 Voltage fluctuation rate (%)	≤ 1.5	
	频率稳态调速率 Frequency steady-state regulation (%)	≤5 (0~5 可调 Adjustable)	
	频率瞬态调速率 Frequency transient regulation rate (%)	± 12	
	频率稳定时间 Frequency stability time (s)	≤ 7	
	外形尺寸 External dimensions (L×W×H) (mm)	9200×1850×3030	9400×1850×3050
	重量 Weight (kg)	42000	43000

备注 Note::

1. 机组适用于生物沼气、污水沼气及垃圾填埋气等。The Genset is suitable for bio gas, sewage biogas, and landfill gas.
2. 不同种类的燃气发电机组，型号在 “D/” 后加一字母进行区分，如沼气 Z、垃圾填埋气 L。Different types of gas generator sets are distinguished by adding a letter after "D/" for their models, such as biogas add Z and landfill gas add L..