

To Whom it may concern

Power-Up is a specialist in Gas Engine repair & overhaul and confirm the following:

After upgrade and major overhaul 30,000 respectively 60,000 operating hours, the exhaust emissions of the J 620 GS engines with the installation of a exhaust gas CO catalyst meet the following parameters:

Electrical output: 3000 kW

Emission values:

NOx: < 95 mg/Nm³ (15% O₂)

CO: < 245 mg/Nm³ (15% O₂)

TOC: < 55 mg/Nm³ (15% O₂)

Engine data:

Manufacturer	Jenbacher				
	J 620 GS – E Version				
			Full Load	Part Load	
Fuel Gas LHV	kWh/Nm ³		9,5		
			100%	75%	50%
Energy input	kW	(b)	7148	5523	3899
Gas Volume	Nm ³ /h		752	581	410
Mechanical Output	kW	(a)	3119	2339	1559
Electrical Output	kW el.	(c)	3029	2264	1494
Electrical Efficiency	%		42,37	40,99	38,31

(a) Conditions according to DIN-ISO 3046 and DIN 6271, respectively

(b) with a tolerance of +5 % (measured on a new Unit immediately after commissioning).

(c) At p. f. = 1.0 according to VDE 0530 REM / IEC 34.1

Definition of output:

Standard reference Conditions:

Barometric pressure: 1000 mbar

Temperature: 25°C

Volumne Values at standard conditions (fuel gas , combustion air, exhaust gas)

Pressure: 1013 mbar

Temperature: 0°C

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