

DESCRIPTION

(2) Jenbacher 616 GSNL Generator modules

The Jenbacher 616 GSNL engines, or more commonly referred as **Type 6 engines**, are fired on natural gas. They are reliable, advanced product serving the **2.2 MW power**.

Its engine speed is 1,500 rpm. The type 6 pre-combustion chamber achieves maximum efficiency with low emissions. Optimized components enable a service life of 60,000 operating hours before the first major overhaul.

The machines are presented in new condition with 0-500 commissioning hours. **They come with full OEM warranty and full Balance of Plant.**

Equipment List

Generating Set and Mechanical

Each Jenbacher 616 GSNL generator set as per Jenbacher specification includes:

- Engine, generator, engine accessories;
- Module equipment including base frame, alternator with excitation and AVR, inlet air filter engine lube oil system, wiring to interface panel etc. Motorized carburettor for Leanox system;
- Gas supply train, pipe work and valves from compressors to engine;
- Engine Cooling Radiator bank, steelwork and piping;
- Engine room Ventilation fan and inverter;
- Piping diagram showing break points;
- Chimney stack;
- Lube oil transfer pipe work, engine to with heat recovery module, heat recovery module to catalyst, catalyst to silencer and silencer to stack, (catalyst excluded)

Engine Cooling System

The engines are rated at 30 deg C ambient and 100m above sea level with the supplied cooling system. The normal duty for the system as designed was to supply 100% of recovered heat for commercial use. The dump cooling system was sized at the minimum required for occasional duty.

Electrical and C&I

- Electrical cable diagram showing break points;
- Control and instrumentation diagram showing break points;
- Generator synchronizing breaker;
- Motor control center;
- Local 11kv Circuit breaker;
- 11kV to 415V Transformer;
- Cabling 11kV and 415V labelled un-terminated and coiled;
- Module control panel (Diane panel) with 10" colour graphics display;
- Engine "Lenox" control panel;
- Battery Charger, (not batteries)