



## **UNUSED OUTDOOR HOUSED GE MODEL MS5001PA DLN GAS TURBINE GENERATOR SET**

Stock # GT31

Gas turbine ISO rating: 26060 KW Base Load

|                      |                                             |
|----------------------|---------------------------------------------|
| Fuel:                | Natural gas 1028 BTU (20,699 BTU/LB, LHV)   |
| Natural gas Pressure | 363 PSI                                     |
| Efficiency:          | 27.7% (12,807 BTU/KWH based on site rating) |
| Exhaust :            | 850 Deg F                                   |
| Nox                  | 25 ppmvd base load                          |
| Speed                | 5100 rpm                                    |
| Design               | API 616                                     |
| Starting             | Motor                                       |
| Gear reducer         | 5100/1800 rpm                               |

### **Generator**

|         |                 |
|---------|-----------------|
| Rating  | 40,000 kva      |
| KW      | 30,000 KW       |
| PF      | 0.75            |
| Voltage | 13800 v/3/60 hz |
| Speed   | 1800 rpm        |
| Frame   | A18384          |
| Type    | TEWAC           |

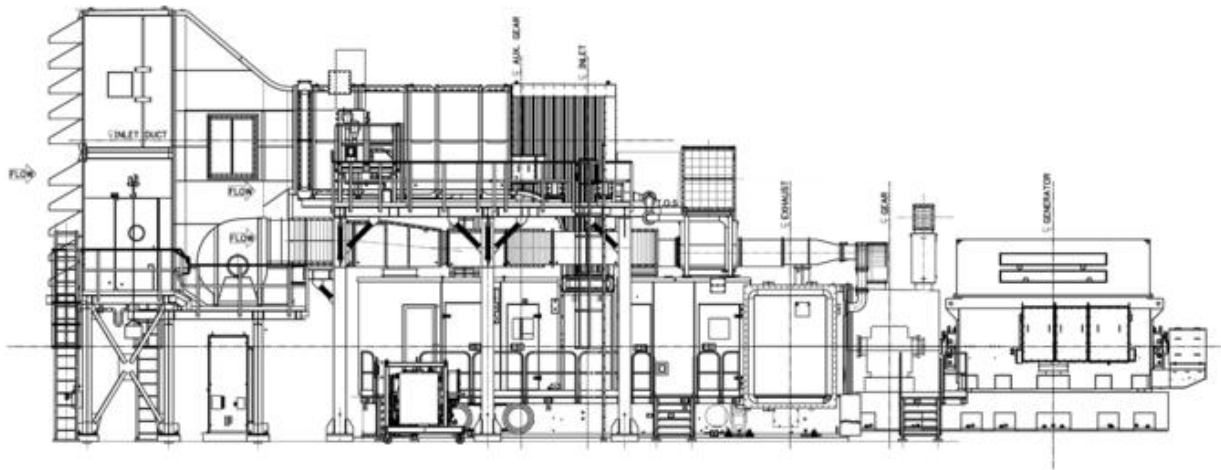
### **Scope of supply**

- 1 – Gas turbine Compartment GE MS5001PA, DLN, 26,060 KW Iso rated, Natural gas fuel, 5100 rpm, starting motor, Accessory gear reducer, Lube oil system includes, lube oil pump, lube oil Cooler, Local Guage board Panel, skid piping and instruments
- 1 – Air inlet system include self cleaning filters, air ducts, Silencer, support structure, ladder and Walkway, expansion joint, inlet bleed inlet heating piping
- 1 – Enclosure ventilation fan with motor, air ducts inlet and exhaust duct.
- 1 – Co2 Fire fighting skid
- 1 – Brush Generator skid with Load gear 5100 rpm to 1800 rpm, 40,000 kva, 13800 v/3/60 hz, 1800 rpm TEWAC, cooler, Generator terminal box.
- 1 – Turbine exhaust expansion joint
- 1 - Motor control center
- 1 – Mark VIe turbine control panel
- 1 – Exciter EX2100 and AVR control panel
- 1 – Generator protection, synchronization and control panel
- 1 - Alignment fixture
- 1 – Load gear coupling Guard
- 1 – Fuel Gas piping
- 1 – Inlet bleed heating piping
- 1 – External Lube oil piping

- 1 - DC Panel
- 1 – Turbine enclosure and Generator Walkways and ladder
- 1 – Turbine and generator Foundation bolts
- 1 – Manuel and drawings

GE Turbine Skid 39' L x 12' W x 13' H 200,000 lbs  
Generator Skid 24' L x 12' w x 12' H 210,000 lbs

Built 2014, stored in original shipped crates.



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