

EQUIPMENT OFFERING

GE Frame 5N Gas Turbine Generator Packages

20 units | Dual fuel | 60 Hz | 13.8 kV

TJ Strata presents twenty pre-owned GE Frame 5N gas turbine generator packages, model MS5001N. The units are configured for natural gas and diesel operation and are offered with associated auxiliary equipment.

Equipment specifications

Parameter	Configuration
Quantity	20 turbine generator packages
Manufacturer and model	GE Frame 5N / MS5001N
Equipment condition	Pre-owned
Fuel capability	Dual fuel: natural gas and diesel
Electrical frequency	60 Hz
Generator terminal voltage	13.8 kV
Generator manufacturer	GE or BRUSH
Listed generator speed	3,600 rpm

Recorded operating ratings

Historical DMNC ratings range from 17.1 to 19.4 MW per unit in summer and from 21.0 to 23.9 MW per unit in winter. Individual ratings and operating records are presented in the fleet table on the following page.

Proposed refurbishment and supply

Refurbishment before delivery is proposed for the turbine generator packages. The final work scope, auxiliary equipment, controls and electrical interface are established for the selected units as part of the commercial offer.

The fleet documentation includes serial numbers, fired hours, starts, major inspection history, combustion and borescope inspection dates, and generator field replacement history.

Fleet Ratings and Operating History

The table below presents the recorded summer and winter DMNC ratings, lifetime fired hours, hours since the last major inspection and lifetime starts for all twenty units.

Unit	Serial number	Summer MW	Winter MW	Lifetime fired hours	Fired hours since major inspection	Lifetime starts
1	214	18.4	23.9	14,554.1	184.65	2,705
2	214	18.4	23.8	15,152.2	6,261.78	2,720
3	214	18.5	22.0	14,084.2	6,129.38	2,557
4	214	17.1	21.8	15,160.3	1,761.55	2,377
5	214	17.1	22.3	15,357.7	6,185.33	2,689
6	214	18.7	23.9	13,829.8	887.40	2,407
7	214	18.4	23.8	14,755.8	25.80	2,563
8	214	17.7	22.6	15,530.5	202.45	2,594
9	214	19.4	23.9	17,511.9	1,624.15	3,554
10	214	19.2	23.9	17,578.6	297.35	3,942
11	214	18.2	23.4	18,136.8	2,169.43	4,060
12	214	17.7	21.7	18,129.2	2,986.85	4,306
13	214	17.5	22.4	17,361.3	4,801.00	3,396
14	214	17.2	21.7	16,454.8	1,793.73	3,578
15	214	17.8	22.3	14,964.8	2,424.33	3,054
16	214	17.7	21.5	15,536.7	2,452.65	3,425
A17	214	18.2	21.0	16,200.8	1,666.00	1,900
B18	214	18.3	21.0	14,228.0	1,495.00	1,500
C19	214	18.4	21.1	14,180.6	1,382.00	1,997
D20	214	18.3	21.1	14,119.7	1,725.00	1,920

Ratings and operating hours are historical fleet records. Summer and winter ratings relate to the original operating conditions.

Inspection history

The recorded major inspections span 2011 to 2019. Recorded borescope inspections span 2019 to 2023. Detailed unit records and inspection arrangements can be discussed with TJ Strata.