

TGR400 NATURAL GAS GENERATORS



TGR400 NATURAL GAS GENERATOR

THE PACKAGE

| | |
|----------------------------------|---|
| Generator Skid Size | 186"L x 90"W x 106"H |
| Generator Trailer Mounted | 29' L x 8.5' W x 11.19' H |
| Weight | 19,833 LBS |
| Noise Level 60 Hz @ 7 m (23 ft) | 63-78 dBA @ 7 m (23 ft) |
| Engine | PSI / 21.9L / V-12, 4 Cycle |
| Combustion | Lean Burn |
| Speed | 1800 RPM (60hz) |
| Emissions Certification | EPA / NSPS Complaint |
| Min Single Step Load Application | 50% of Rated Load |
| Altitude Derate | 2.5% per 1,000 ft of Elevation Above 1,200 ft |
| Temp Derate | 1.5% per 10°F Temperature Above 77°F |



ENGINE DETAILS

| | |
|--------------|---|
| Manufacturer | PSI Doosan |
| Model | 21.9L |
| Type | Turbocharged, Air-cooled, V-12, 4-cycle |
| Displacement | 21.9 Liters |
| Aspiration | Turbocharged |

POWER SPECIFICATIONS

| | |
|---------------|------------------------|
| Prime Power | 360 kW |
| Standby Power | 400 kW |
| Power Factor | 0.8 |
| Voltage | 277/480V (three-phase) |
| Frequency | 60 Hz |

GAS ENERGY INPUT

| | |
|--|---|
| 100% Gas Energy Input (+/- 2.5% Tolerance) | 4,231 SCF/ per hour (4.39 MMBTU/ per hour) |
| Fuel Type | Natural Gas (NG) (2" port) and/or Liquid Propane (LP) (1/2inch port) |

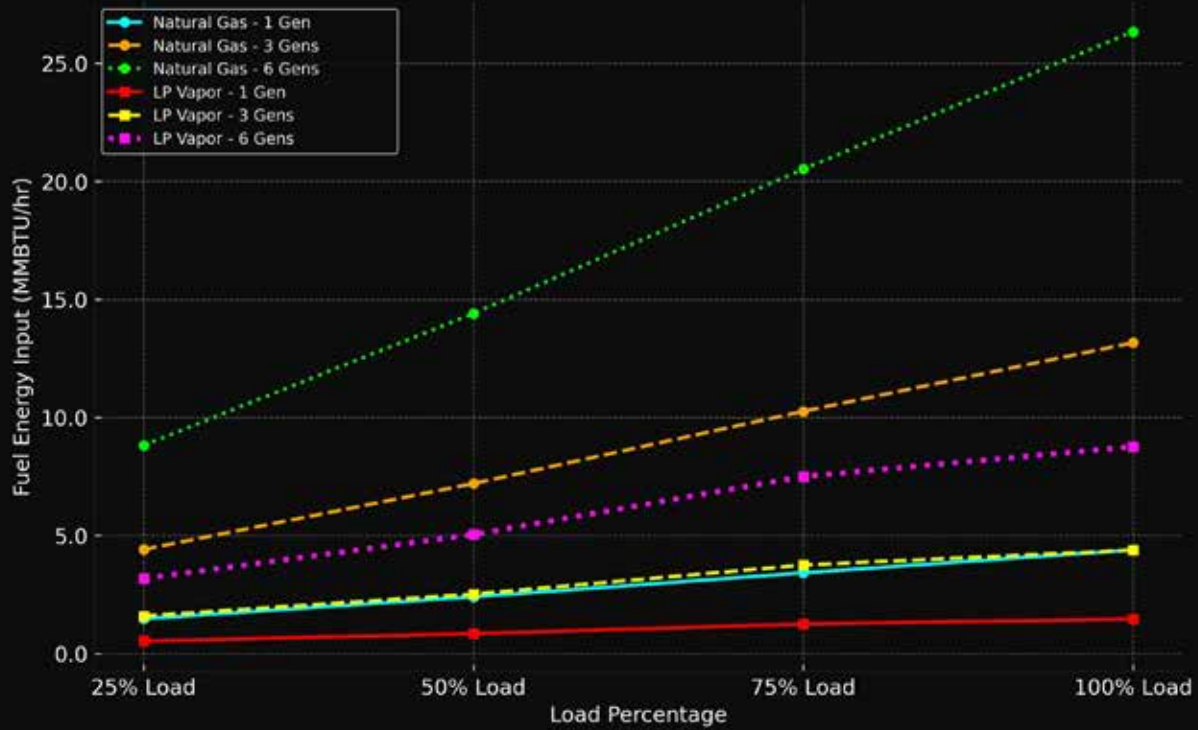


TGR400 ELEVATION DERATES

| TEMPERATURE DERATES | | ELEVATION DERATES - TURBOCHARGED ENGINES | | | | | | | |
|--------------------------------|------|--|--------|--------|--------|--------|--------|--------|--------|
| Ambient Temperature *F | 127 | 7.50% | 10.00% | 12.50% | 15.00% | 17.50% | 20.00% | 22.50% | 25.00% |
| | 122 | 6.80% | 9.30% | 11.80% | 14.30% | 16.80% | 19.30% | 21.80% | 24.30% |
| | 117 | 6.00% | 8.50% | 11.00% | 13.50% | 16.00% | 18.50% | 21.00% | 23.50% |
| | 112 | 5.30% | 7.80% | 10.30% | 12.80% | 15.30% | 17.80% | 20.30% | 22.80% |
| | 107 | 4.50% | 7.00% | 9.50% | 12.00% | 14.50% | 17.00% | 19.50% | 22.00% |
| | 102 | 3.80% | 6.30% | 8.80% | 11.30% | 13.80% | 16.30% | 18.80% | 21.30% |
| | 97 | 3.00% | 5.50% | 8.00% | 10.50% | 13.00% | 15.50% | 18.00% | 20.50% |
| | 92 | 2.30% | 4.80% | 7.30% | 9.80% | 12.30% | 14.80% | 17.30% | 19.80% |
| | 87 | 1.50% | 4.00% | 6.50% | 9.00% | 11.50% | 14.00% | 16.50% | 19.00% |
| | 82 | 0.80% | 3.30% | 5.80% | 8.30% | 10.80% | 13.30% | 15.80% | 18.30% |
| | 77 | 0.00% | 2.50% | 5.00% | 7.50% | 10.00% | 12.50% | 15.00% | 17.50% |
| | 1200 | | 2200 | 3200 | 4200 | 5200 | 6200 | 7200 | 8200 |
| Elevation (ft above see level) | | | | | | | | | |



**TGR400 Fuel Energy Input vs Load
(MMBTU/hr @ 1037 BTU/SCF for 1, 3 and 6 Generators)**



| Load % | NG - 1 Gen | NG - 3 Gens | NG - 6 Gens | LP - 1 Gen | LP - 3 Gens | LP - 6 Gens |
|-----------|------------|-------------|-------------|------------|-------------|-------------|
| 25% Load | 1.47 | 4.41 | 8.82 | 0.53 | 1.59 | 3.18 |
| 50% Load | 2.4 | 7.2 | 14.4 | 0.84 | 2.52 | 5.04 |
| 75% Load | 3.42 | 10.26 | 20.52 | 1.25 | 3.75 | 7.5 |
| 100% Load | 4.39 | 13.17 | 26.34 | 1.46 | 4.38 | 8.76 |

TIGER INDUSTRIAL LOCATIONS

Beaumont, Texas

1313 Gulf Street
Beaumont, TX 77701

Baytown, Texas

7000 Decker Dr.
Baytown, TX 77520

Corpus Christi, Texas

8283 Leopard St.
Corpus Christi TX 78409

Dilley, Texas

13400 S. Interstate 35
Dilley, TX 78017

Midland, Texas

13014 West County Road 100,
Midland, TX 79765

Victoria, Texas

11901 US Highway 59,
N. Victoria, TX 77905

24/7 Dispatch: 888-866-0047 / 409-832-9336 / TigerIndustrialRentals.com



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