

ReflowX

Solar Turbines Mars 100 SoLoNOx
Gas Turbine Generator Package | 11.3 MW ISO | 60 Hz

Solar Turbines Mars 100 SoLoNOx

Description

Manufacturer	Solar Turbines
Model (gas turbine)	Mars 100 – SoLoNOx – Version 15000SAN
Year	2011
Condition	Used; refurbished to “Zero Hours”
Location	USA
Qty available	2 complete packages (TG01 & TG02)
ISO Power Rating	11.3 MW (ISO) / 14,800 HP
Fuel Type	Natural Gas (max supply pressure 500 psig / 3450 kPag)
Speed	NGP 11,168 rpm / NPT 9,500 rpm
Package type	Enclosed skid package (acoustic enclosure + ventilation ducts)
Operational status/history	Activity suspended March 2023 (end of fuel subsidy per seller)
Gearbox	FLENDER-GRAFFENSTADEN, type TX90/4C
Frequency	60HZ



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Technical Details

Performance (Nominal Rating)

- Output Power: 11,350 kWe
- Heat Rate: 10,935 kJ/kWe-hr (10,365 Btu/kWe-hr)
- Exhaust Flow: 153,245 kg/hr (337,950 lb/hr)
- Exhaust Temp: 485°C (905°F)

Application performance

- Steam (Unfired): 23.7 tonne/hr (52,340 lb/hr)
- Steam (Fired): 113.8 tonne/hr (250,880 lb/hr)
- Chilling (Absorption): 20,450 kW (5,820 refrigeration tons)

Scope of Supply

- Gas turbine (axial compressor, combustor, power turbine)
- Intake volute + inlet silencers
- Exhaust volute + exhaust silencers
- Lube oil system
- Starter motor + 120V DC starter
- Oil pressure regulation system



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Contact Information



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