

ABB GAS TURBINE FOR SALE



ABB		ABB STAL Finspang Sweden	
ORDER NO	B0646	GAS GENERATOR	9770 RPM
GAS TURBINE Type	GT 10 B	POWER TURBINE	7734 RPM
ISO RATING	24630KW	GEAR FLENDER GRAFFEN STADEN	TX90/5C
		GENERATOR	ABB GBA1120LE
			1500 RPM

ABB Industrial Systems SYNCHR. GEN. 3 50 HZ	
Type GBA 1120LE	NO 8266063 1997
31875 KVA X 0.80	1500 r/min S1
11000 V 1673 A	Over speed max 1800 r/min
Excitation DG 88 V 10.4 A	IP 54 / C8A1W7
Insul. Class stator F Rotor F	46200 KG
IEC 34-1	
Made in SWEDEN	

Gas generator: Siemens	Type: GT10B1	S/N: B000646
Power turbine: Siemens	Type: GT10B1	S/N: B000646
Combustion chamber:	Conventional	
Main gear	Type: FLENDER TX90/5C	S/N: 5255
Generator:	Type: ABB GBA 1120LE	S/N: 8266063
Configuration:	Open cycle	
Site (environment):	Basic Chemicals & Petrochemicals	
Fuel:	Dual	
Operating profile:	Peak load	
Compressor washing	Offline	

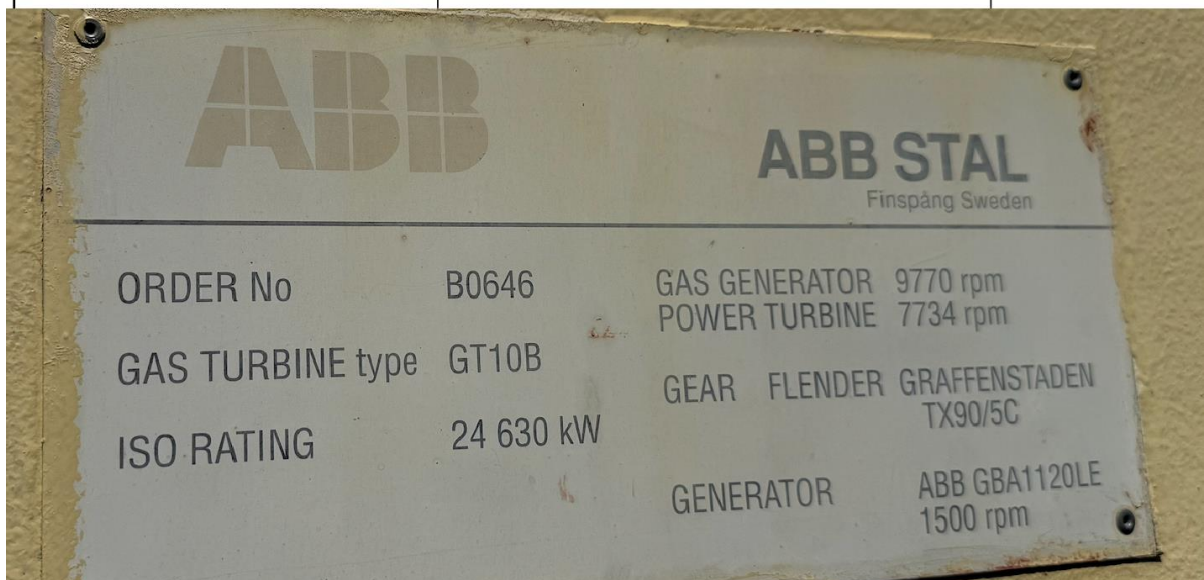


ABB - GT10
TO
SIEMENS - SGT600



2025-12-1

Siemens Energy - Original Equipment Manufacturer for SGT-600 GT10 and Nrvk:e provider

Dear Sn,

With this letter we, Siemens Energy, would like to explain our services for the SGT-600 gas turbine in short. The SGT-600, formerly known as GT10, is a mature engine, originally introduced in the market in 1984. Since then, there have been many owners and changes in company names, e.g. ABB-STAL, Alstom, Siemens and now since 2020 Siemens Energy. The manufacturing and R&D site have not been moved, still located in Finspång, Sweden.

The SGT-600 can be maintained locally at customer site or in Finspång, Sweden. The engine doesn't require a specific workshop. Depending on customers' downtime need our maintenance concept can be chosen between **1T111intenance** on the installed unit or by using engine SWQp. The maintenance intervals are from 20 000 EOH up to 34 000 EOH between major overhauls depending on equipment and operation conditions. The SGT-600 uses Equivalent Operation Hours (EOH) to define the time for maintenance. The EOH calculation method gives the benefit for part load operation extending the Operation Hours (fired hours) with years.

To keep a high reliability, availability, and safety it is important to follow our maintenance programs. To simplify operation and maintenance we have developed a portfolio of different long-term programs including spare parts and outage management, **emergency** support, and remote services.

Through our service organization we can sell new units or pre-owned. The units come with maintenance programs which can be customized depending on equipment status and operation needs. Over the years the gas turbine and package have been developed to meet new market demands and our after-market service products being developed to keep existing units competitive.

Our latest focus areas have been high fuel flexibility with low emissions, increased operation flexibility, peak power and part load, fast start and improved cyclic capability, improved reliability and low maintenance downtime.

During 2026 we will arrange a user's conference, where we will present fleet experience and our latest products.

I hope this gives some clarifications regarding our services for the SGT-600 as OEM.

With best regards,

Adamsson



Peter Adamsson **Peter**
SGT-600 Product Manager Service

ABB-GT10 TO SIEMENS-SGT600

A. SPECIFICATION

Branch	: ABB to Siemens
Gas turbine Type	: GT10 to SGT600
Generator Type	: GBA 1120LE
Capacity	: 31,875 KVA
Voltage	: 11 KV

B. COMMISSIONING

Commissioning Period	: April 1998
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C. MAINTENANCE

a. Level A (10000 EOH)

Operating hrs	
Equivalent Operating hrs	
Maintenance Period	: September 2007

b. Level B (20000 EOH)

Operating hrs	21077
Equivalent Operating hrs	:22486
Maintenance Period	: June 2009

c. Level A (30000 EOH)

Operating hrs	32984
Equivalent Operating hrs	:34596
Maintenance Period	: May2011

d. Level C (40000 EOH)

Operating hrs	45795
Equivalent Operating hrs	: 47619
Maintenance Period	: March 2013

e. Level A (50000 EOH)

Operating hrs	56801
Equivalent Operating hrs	:58785
Maintenance Period	: January 2015

f. Level D (60000 EOH)

Operating hrs	66817
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Equivalent Operating hrs : 69202
Maintenance Period : March - May 2017

g. Level A (70000 EOH)

Operating hrs : 72392
Equivalent Operating hrs : 75329
Maintenance Period : September 2019

h. Level E (80000EOH)

Operating hrs : 82402
Equivalent Operating hrs : 85926
Maintenance Period

OPERATING CYCLE

1998 : Erection, Installation, and commissioning
1998 - 2016 : Power demand was 30 MW. GT5 acted as the main engine which was mostly continuous running in parallel with PLN and smaller GT. GTS produced 20 MW of electricity and produced superheat steam 41 to 46 Ton/hr
2016 - 2024 : As PTA plant was stopped on 2016, and power demand was only 13 MW, GTS became back up engine, which only run in case smaller GT or PLN was not available. Once in a month GT5 was started for heating and performance test.
2025 - now : GTS just stand by.

, OPERATING CONDITION

GT5 was commissioned on 1998 upto producing power 20 MW.

GT5 daily operation varies from 18 MW to 20 MW with fuel natural gas pressure 22 bar - 24 bar, and produced 40 bar free steam (superheat) 270° C, 41 Ton/hr to 46 Ton/hr

CURRENT CONDITION

(UP DATED ON 14 SEPTEMBER 2024)

Built In	1997
Operating Running Hours(Hrs)	85,926
Engine Life since Installed (Hrs)	229,087
Engine Life since Installed (Years)	26.15
Remaining Running Hours till Next Maintenance (Hrs)	-1,564
Type of Next Maintenance	Level E
Remarks	Machine in Healthy condition





CERTIFIED BY
PT. ABB ENERGY SYSTEMS INDONESIA
HEAT RECOVERY STEAM GENERATOR

50 BAR G

MAX. ALLOWABLE WORKING PRESSURE

9858 M²

HEATING SURFACE

64200 KG/HR

MAXIMUM STEAM CAPACITY

9604

MFR. SERIAL NO.

1998

YEAR BUILT







