



Allison 501-KH

Features

6.8 MW Power Class
40% Thermal Efficiency

- Core engine commonality with 501-K family
- Modified outer combustion case for steam injection
- Upgraded shafting for higher power output
- Very low emissions
- Natural gas with liquid and dual fuel options
- Easily maintained modular design
- Single shaft cold end drive

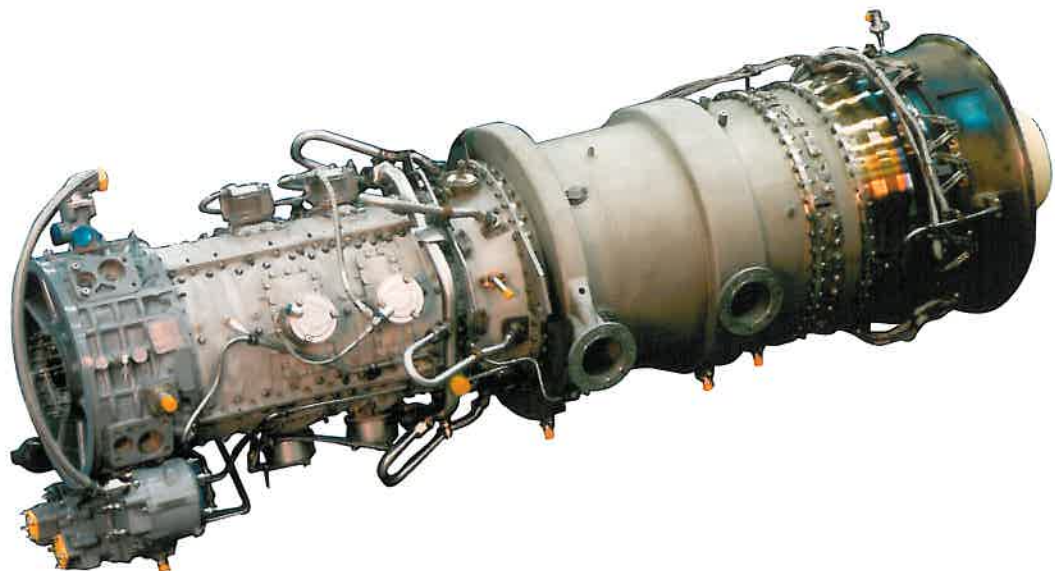
Description

The Allison 501-KH is ideal for applications with variable steam & electricity demands. The Allison 501-KH has accumulated more than 1,000,000 operating hours. This steam-injected derivative of the 501K engine provides a modular product that helps drive down operating costs. This engine also leads the industry in fuel consumption and emissions in its power class.

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Industrial power



Allison 501-KH

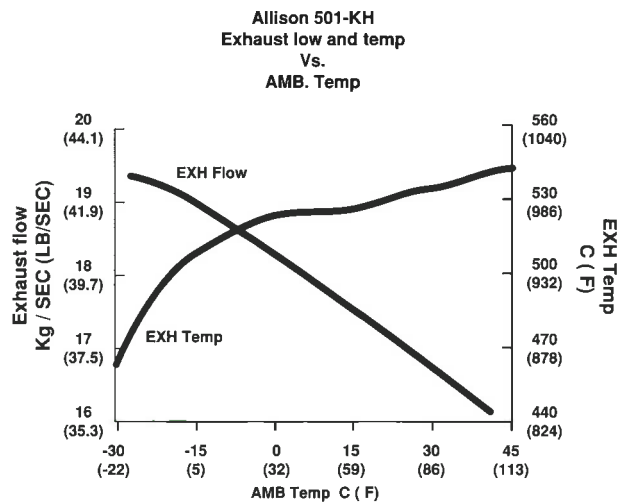
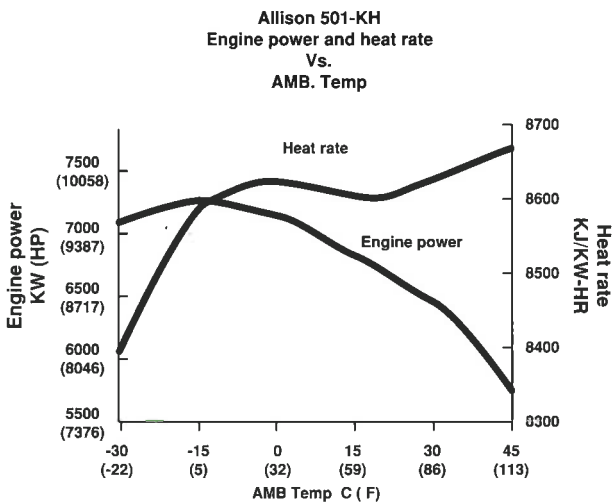
Industrial gas turbine engine specification*

Description	Allison 501-KB5S	Allison 501-KH **	Allison 501-KB7	Allison 501-KC5	Allison 501-KC7	Allison 601-K9	Allison 601-K11
Primary application	Genset	Genset	Genset	Mech. drive	Mech. drive	Genset Mech. drive	Genset Mech. drive
Fuel type (rated)	Gas	Gas	Gas	Gas	Gas	Gas	Gas
Shaft power, kw	4101	6750	5518	4101	5369	6711	8202
hp	5500	9050	7400	5500	7200	9000	11000
Heat rate, Kj/kw-hr	11780	8530	10992	12018	11226	10710	10395
Btu/hp-hr	8325	6028	7770	8495	7935	7570	7350
SFC, lbs/hp-hr	0.407	0.300	0.380	0.416	0.389	0.370	0.360
Exhaust flow, kg/sec	15.4	18.4	20.8	15.5	20.8	24.4	30.8
lb/sec	33.9	40.6	45.8	34.2	45.8	53.9	67.9
Exhaust temp., deg. °C	559	529	513	571	514	515	479
deg. °F	1040	982	956	1060	957	959	894
Output speed, (rpm)	14200	14600	14600	13600	13600	11500	11500

* Nominal engine performance, ISO, no losses, gaseous fuel 20,400 BTU/lb

** Steam injection: 2.72 Kg/sec. @ 482°C (6.0 lb/sec @ 900°F)

Allison 501-KH
Gas fuel - No losses - 14,600 (rpm)



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