



## Allison 601-K9 Allison 601-K11 Oil & gas applications Power generation

### Features

6.7 MW and 8.2 MW

Power class

34% Thermal efficiency

- Variable geometry 12-stage compressor, high efficiency, 3-stage power turbine, low emissions combustion system, & a digital electronic control

- Modular design for ease of maintenance

- Compact design with high horsepower-to-space/weight ratio

- Engine change out in as little as 8 hours

- Cold end drive

- K11 configuration incorporates a two-stage boost module to increase power & efficiency

### Description

The Allison 601-K9 and 601-K11 engines are members of a new family of high efficiency gas turbine engines.

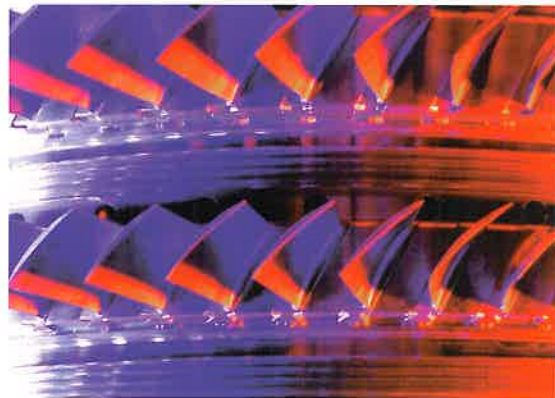
Technology enhancements for improving performance, durability, reliability, cost and emissions have been incorporated.

The 601-K series engines are designed to meet the demanding requirements of the industrial market. Lower operating costs are achieved through dramatic fuel consumption reductions and a compact, modular engine arrangement which is easily maintained.

Rolls-Royce knows there is more to customer satisfaction than manufacturing a quality gas turbine engine. Beginning with robust design, the most advanced manufacturing techniques, and rigid verification testing, our team continues to serve our customers with a global network of support. These power products are backed by this comprehensive service worldwide.



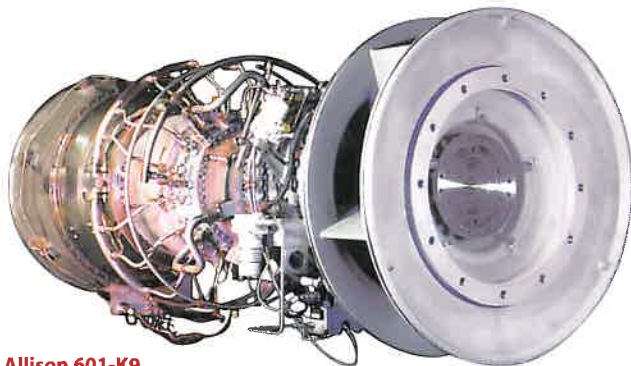
Offshore applications



Lightweight, modular products



Cogenerators



Allison 601-K9  
Nonboosted configuration

## Industrial gas turbine engine specification\*

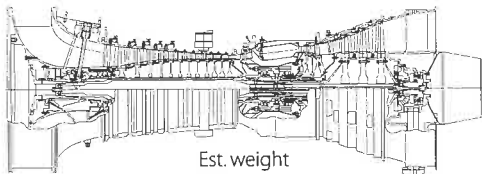
Description	Allison 501-KB5S	Allison 501-KH **	Allison 501-KB7	Allison 501-KC5	Allison 501-KC7	Allison 601-K9	Allison 601-K11
Primary application	Genset	Genset	Genset	Mech. drive	Mech. drive	Genset Mech. drive	Genset Mech. drive
Fuel type (rated)	Gas	Gas	Gas	Gas	Gas	Gas	Gas
Shaft power, kw	4101	6750	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)

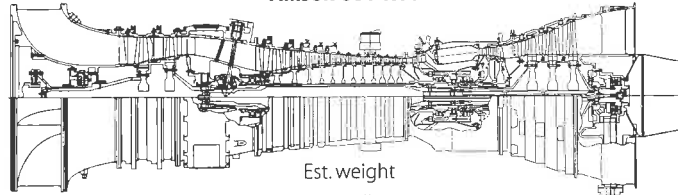
### Allison 601-K family of engines

Allison 601-K9



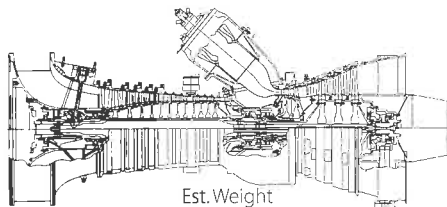
Est. weight  
3,000 lbs

Allison 601-K11



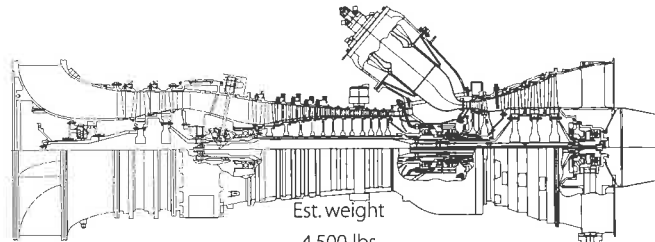
Est. weight  
3,800 lbs

Allison 601-K9 DLE



Est. Weight  
3,700 lbs

Allison 601-K11 DLE



Est. weight  
4,500 lbs



Rolls-Royce®

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