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AMT Netherlands, Lynx gasturbine.

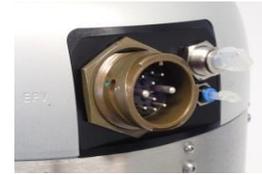
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The Lynx is a "spin-off" of the AMT-NL Nike design and has been constructed from a single radial compressor and a axial flow turbine stage. The engine owns its excellent performance and superb power to weight ratio to our unique 3D diffuser.

This revolutionary type of diffuser also allows the relative relative small engine diameter and weight for its thrust.

The system is equipped with military spec. connectors.



Preliminary Specifications (design RPM)

All data at STP +/- 2%

Engine diameter	261,4 mm	/	10,3 Inch
Engine length	700 mm	/	27,6 Inch
Engine weight	19500 gram	/	43,0 Lb
System airborne weight *	24280 gram	/	53,5 Lb
Thrust at design RPM of 46.000 RPM	1569 N	/	352,0 Lbf
Maximum allowed RPM	46.000	/	46.000
Thrust at Idle RPM	75 N	/	16,9 Lbf
Pressure ratio	4:1	/	4:1
Mass flow at design RPM	2500 Gr/sec	/	5.51 Lb/Sec
Normal EGT (average of 2 internal EGT probes)	800 Deg. Celsius	/	1472 Deg. Fahrenheit
Max EGT average of 2 internal EGT probes)	875 Deg. Celsius	/	1607 Deg. Fahrenheit
Fuel consumption	3600 Gr/min	/	127 oz/min
Specific fuel consumption	38,24 gr/(Kn*sec)	/	1,35 lb/(lb*hr)
Starting method	Direct kerosene starting system. (< 45 seconds starting time)		

* Total weight of; Engine, EPV, Fuel filter, LiPo battery, mounting straps.

Operating conditions

Min operation temperature *	- 35 Deg. Celsius	/	-31 Deg. Fahrenheit
Maximum operating temperature	+ 50 Deg. Celsius	/	+122 Deg. Fahrenheit
Maximum operating altitude	8000 Meter	/	26250 feet
Maximum operating speed	1000 Km / hour	/	620 Mile / hour

* With the use of LiPo batteries the minimum operation temperature is limited to -10 Deg. Celsius (battery temperature).

Engine control possibilities

1 x RS232	Throttle and switch settings including special functions *		
2 x PWM between 1-2 milliseconds **	Throttle and switch settings. (special functions * with puch button)		
2 x Analog inputs 0-5 volt DC **	Throttle and switch settings. (special functions * with puch button)		

* Activation of prime function, igniter function, starter function, speed cool.

** Specify EPV at ordering with PWM inputs or Analog inputs.

All specifications are subject to change without notice.

S.T.P. : 15 Degrees Celsius / 59 Degrees Fahrenheit, Pressure : 1013 Mbar / 29.91 in

10/17/17 Oct 2017

