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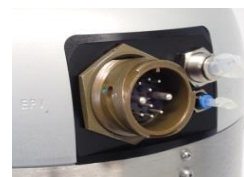
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AMT Netherlands, Lynx gasturbine.

Sept. 2019



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. For safety reasons there is around the turbine section an internal containment ring mounted since the middle of 2018.



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	21450 gram	/	47,2 Lb
System airborne weight *	25650 gram	/	56,55 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)	850 Deg. Celsius	/	1562 Deg. Fahrenheit
Fuel consumption	3600 Gr/min	/	127 oz/min
Specific fuel consumption	38,24 gr/(Kn*sec)	/	1,35 lb/(lbf*hr)
Starting method	Direct kerosene starting system. (< 45 seconds starting time)		

* Total weight of; Engine, EPV, Fuel filter, 6 cell LiPo battery, battery connector, 3 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 or RS485 **	Throttle and switch settings including special functions *		
2 x PWM between 1-2 milliseconds **	Throttle and switch settings.	(special functions * with push button)	
2 x Analog inputs 0-5 volt DC **	Throttle and switch settings.	(special functions * with push button)	

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

** Specify EPV at ordering with PWM inputs or Analog inputs / serial input RS232 or RS 485.

All specifications are subject to change without notice.

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

version Sept 2019

Axial mounting tolerance

