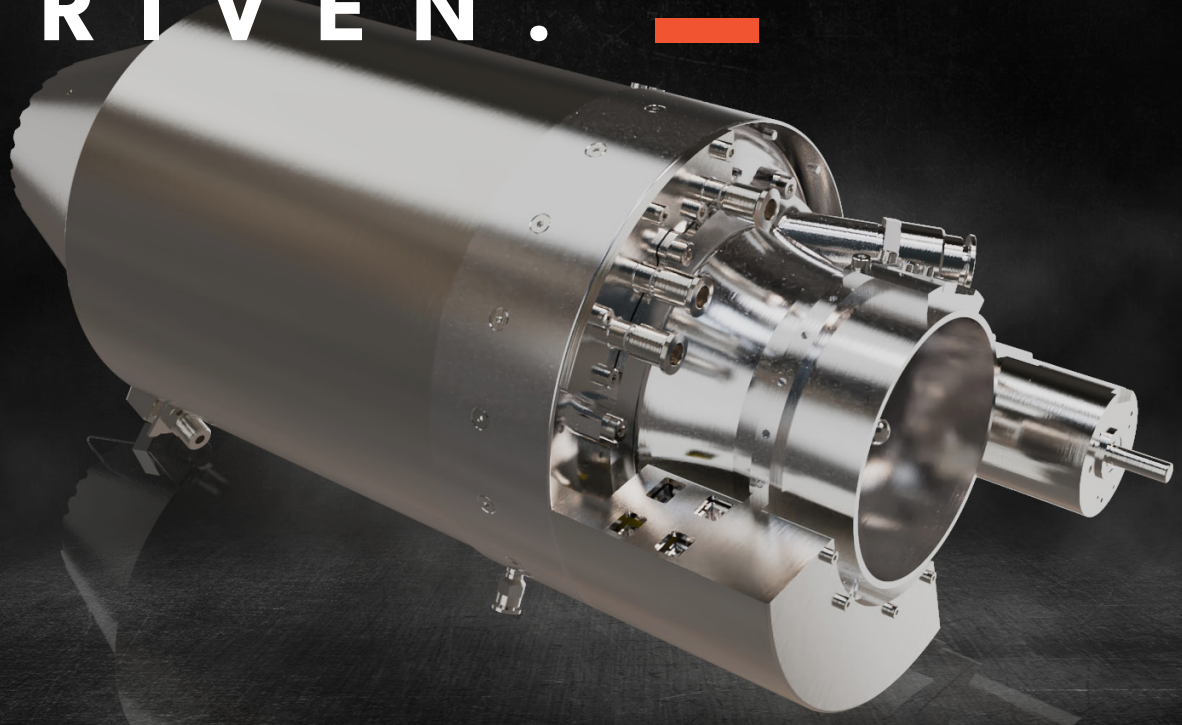
HALCON

HJD-X 40daN ENGINE

PURPOSE-BUILT. PERFORMANCE DRIVEN.



The HJD-X engine family consists of three high performance short life turbojet engines designed specifically for missile applications. The entire HJD-X family of engines is designed and manufactured by HALCON in the United Arab Emirates.

The family consists of the HJD-X40, HJD-X75 and the HJD-X100, which have been developed using state-of-the-art design and performance modelling software and world-class manufacturing processes. Each engine in the line has been purpose-built to meet the requirements of specific applications at HALCON.

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SPECIFICATIONS

OPERATIONAL LIMITS

Maximum Operating Altitude :	10,000m
Maximum Start-up Altitude at Mach 0.4 or higher:	6,000m
Maximum flight speed :	Mach 0.85

SIZE

Outer Diameter:	154mm
Length:	367.44mm

MASS

Dry Mass:	4kg
Flight-ready Mass:	6kg

ENGINE

Nominal Thrust at sea-level:	400 N
Endurance:	60 minutes
Fuel consumption:	15g/sec
Max EGT:	740°C
Max Engine Speed:	87,000RPM
Fuel Type:	Jet-A/Jet-A1/JP8 or Equivalent
Start Options:	Electric/Airblast/ Windmill
Lubricant:	AeroShell 500 or MIL-PRF-23699G Grade STD Equivalent
Electrical Output :	150w (13.7 or 28 volt)