

HALCON

HJD-X 100daN 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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S P E C I F I C A T I O N S

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: 230mm

Length: 553mm

MASS

Dry Mass: 15kg

Flight-ready Mass: 20kg

ENGINE

Nominal Thrust at sea-level: 1,000 N

Endurance: 60 minutes

Fuel consumption: 35g/sec

Max EGT: 765°C

Max Engine Speed: 55,500RPM

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 : 750w (13.7 or 28 volt)

