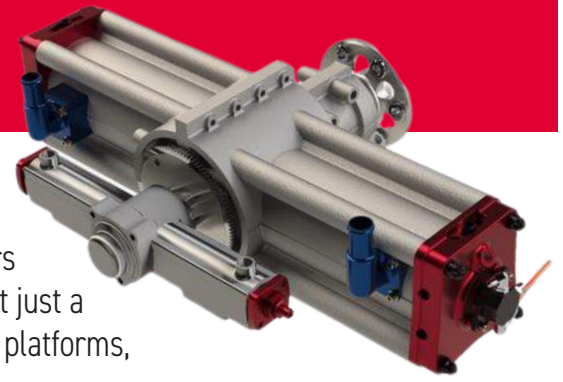


LET'S TALK FUEL

The future of fuel in aviation continues to raise more questions than answers, leaving many to wonder, "What is next for the power of flight?" DeltaHawk's innovative family of engines provides a clear solution. Powered by jet fuel, operators can realize up to 40-50% in fuel savings and reduced maintenance costs. This is not just a new engine. It represents a new era in propulsion for commercial and military UAS platforms, as well as mobile power systems. Now is the time to embrace that future.

Contact us today at info@deltahawk.com or defense@deltahawk.com to power your system into the next generation of aviation and power solutions.



OPERATIONAL PERFORMANCE ◀◀◀◀◀

MODEL	DHK2H80	DHK2H100	DHK2H120
HP (kW) @ MAX POWER	80HP (59.6kW)	100HP (74.6kW)	120HP (89.4kW)
MAXIMUM CONTINUOUS POWER HP (kW) @ 2600rpm	80HP (59.6kW)	100HP (74.6kW)	120HP (89.4kW)
FUEL CONSUMPTION @MAX POWER - gal/hr. @ 2600rpm	32.4lbs/hr. (4.8g/hr.)	38.5lbs/hr. (5.7g/hr.)	45lbs/hr. (6.9g/hr.)
HP (kW) @ BEST ECONOMY- 2200rpm	60HP (44.7kW)	75HP (55.9kW)	90HP (67.1kW)
FUEL CONSUMPTION @BEST ECONOMY - gal/hr. @ 2200rpm	22.5lbs/hr. (3.3g/hr.)	28.2lbs/hr. (4.2g/hr.)	28.2lbs/hr. (4.2g/hr.)
TORQUE ft-lbs (Nm) @ 2600rpm	162ft-lbs (219Nm)	202ft-lbs (274Nm)	242ft-lbs (329Nm)

SPECIFICATIONS ◀◀◀◀◀

ASPERATION	BOOSTED - SUPERCHARGED w/ CHARGE AIR COOLER
ROTATIONAL	CLOCKWISE OR COUNTER-CLOCKWISE FROM FLYWHEEL END
WEIGHT - lbs (kg) est.	160lbs (72.7kg) - INCLUDES STARTER ALTERNATOR, & EXHAUST SYSTEM
DISPLACEMENT - in ³ (liter)	101in ³ (1.65L)
ENGINE TYPE	HORIZONTAL OPPOSED
NUMBER OF CYLINDERS	2
IGNITION TYPE	COMPRESSION IGNITION
FUEL TYPE	CERTIFICATION FUELS: JET A, JET A-1. WILL BURN JP5, JP8, SAF, #2 DIESEL
FUEL SYSTEM	DIRECT INJECTION - 2 INDEPENDENT PUMP LINE NOZZLE SYSTEMS
COMPRESSION RATIO	20:1 GEOMETRIC (~18:1 DYNAMIC)
MAXIMUM RPM	2600 (2860 OVERSPEED)
OIL SYSTEM	SINGLE STAGE MECHANICAL GEAR PRESSURE/ TWO STAGE MECHANICAL GEAR SCAVENGE
SUPERCHARGER	SHAFT DRIVEN CENTRIFUGAL
INDUCTION	PISTON PORTED 2-STROKE PRESSURE SCAVENGED
COLD START CAPABILITIES	EXTERNAL BLOCK HEATER/INTEGRAL GLOW PLUGS - 24V (12V AVAILABLE AS OPTION)
OPERATIONAL TEMPERATURES °F (°C)	COLD START - DOWN TO -40°F (-40°C) W/SUPPLEMENTAL HEAT TO 120°F (48.89°C)
STARTER	24V(12V OPTION) ELECTROMECHANICAL SOLENOID
ALTERNATOR	DIRECT DRIVE 24V - 60Amp (12V AVAILABLE AS OPTION)
COOLING	LIQUID COOLED - MAXIMA COOLANOL 50/50 BLEND
OIL GRADE	PRESSURE LUBRICATED - PHILIPS 66 VICTORY DIESEL 10W40
FIRING ORDER	1-2

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