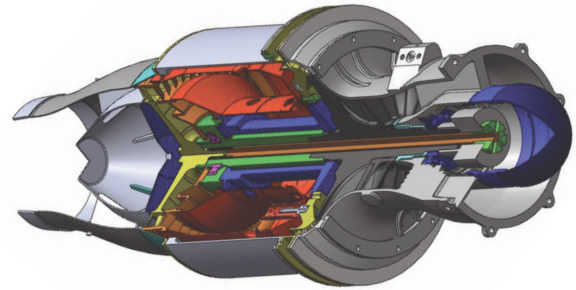




BET SHEMESH ENGINES LTD.

R & D Division

BS175A



BET SHEMESH ENGINES'

BS175A Engine

- A small diameter, simple and low cost turbojet engine, a derivative of the BS151 and BS175 engine family.
- The engine is a single shaft turbojet with one stage centrifugal compressor driven by a single turbine.
- Two starting option modes are available (upon request):
Pyrotechnic starter with two pyrotechnic igniters.
Windmilling with two pyrotechnic igniters.
- A 2kw alternator and PCU are integrated in the engine.
A 3kw alternator will be available in the future.
- Two options are available for engine control (upon request):
Full authority digital electronic control (FADEC) installed on the engine
Engine control system integrated in flight control computer (not part of the engine)

Engine's main features are:

Performance

Rated SLS thrust	196 Lb	(89 Kg)
SFC SLS	1.19 Lb/Lbf/Hr	
Airflow	2.73 Lb/Sec	(1.24 Kg/sec)
Altitude	30,000 ft	
Flight speed	Mach 0.9	

Dimensions

Dry weight	55.5 Lb	(25.2 Kg)
Length	30"	(762 mm)
Max. diameter	8.27"	(210 mm)