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OLYMPUS 101

REFERENCE DATA.

Type	A jet propulsion engine employing compound axial compressors individually driven by separate single stage turbines.
Combustion system	Straight flow "Cannular" combustion chamber, with 10 separate flame tubes.
Numbering of flame tubes	Clockwise viewed from the front of engine No.1 position at 1 o'clock.
Fuel specification	"AVTUR" Kerosene D.E.R.D. 2482 "AVTAG" " " " 2486
Fuel pump	Lucas type "D" Mk.2.GD5/30
" " speed	0.366 times H.P. Compressor r.p.m.
" " rotation	Clockwise viewed on pump face
" " Outlet Pressure (Max)	1200 p.s.i. at sea level
Full range flow control	Lucas F.R.F.C. 15/15H
Air fuel ratio control	Lucas A.F.R.C.15/16J
Fuel flow distributor	Lucas F.D. 26/29P
L.P. Compressor governor	Lucas C.F.G. 1/2A
Burners	Duplex 3. PSH.65
Igniter plugs	K.L.G. R.H. 245
High energy ignition unit	Rotax NB 25/2
Starter motor	Rotax C8601 112 volt
Starter drive relay panel	Rotax

Oil specification .....

Oil specification	D.E.R.D. 2487
Oil tank capacity	10 gallons, 6 gallons oil 4 gallons air space
Oil pressure normal	50 - 60 p.s.i.
Oil pressure Min. in flight	45 p.s.i.
Oil temperature Min. for starting	0° C.
Oil temperature Min. for opening up	10° C.
Oil inlet temperature (Max)	90° C.
Oil consumption	3 pts/Hr (Max)
Oil cooler	Serck W.S. 11950. Fuel cooled
Compressor speed L.P.	6600 r.p.m. (Max)
Compressor Idling speed L.P.	1000 r.p.m. + 200
Compressor speed indicator generator	KB. 111/01
Jet pipe temperature (take-off)	595° C. (Max)
Jet pipe temperature (idling)	350° C. (Max)
Length of engine	From inlet flange to exhaust outer cone 152.2 ins.
Diameter of engine (bare)	40 ins.
Engine driven generator	Rotax type 551
Hydraulic pump	Dowty A. 8003Y
Anti-icing valve	Teddington FKH/A/5006
Hot air valve	" FKH/A/5061

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