

Model Leonides	504/5A, 504/6A 504/7A, 504/8	503/5A, 503/6A 503/7A, 503/8	502/5A, 502/6A 502/7A,502/8
Lubricating Oil	D. Eng. R.D. 2472B/2 Aeroshell W80, W100, W120 BP Aero 120 HD, Esso E100	- -	- -
Bore and stroke, in.	4.80 x 4.41	- -	- -
Supercharger ratio	6.5:1	- -	- -
Displacement, cu.in.	718.6	- -	- -
Compression ratio	6.5:1	- -	- -
Weight (dry), lb.	830 ± 1¼% (5A) 835 ± 1¼% (6A) 835 ± 1¼% (7A) 815 ± 1¼% (8)	- - - - - - - -	- - - - - - - -
C.J. Location (basic engine)	2.2" behind C/L of cyls.	- -	- -
Propeller Shaft	No: 3 S.B.A.C.	- -	- -
Fuel Injection	Hobson Type 269A (5A) Hobson Mk. 144A (6A) Hobson Mk. 153A (7A) Hobson Mk. 153 (8)	- - - - - - - -	- - - - - - - -
Ignition, Dual Magneto	B.T-H. C9.B/2	- -	- -
Timing. °BTC	Rt. 40° Left 36°	- -	- -
Spark Plugs	Lodge LA2, LA2/1 KLG. KA2, KA3	- -	- -
Oil sump capacity, qt	Dry Sump	- -	- -
NOTES	1, 2, 3, 4,	- -	- -

Model Leonides	514/5, 514/5A, 514/6 514/6A, 514/7,514/7A 514/8, 514/8A	531/8	531/8B
Type 9RA Reduction Gears	0.625:1 (5) - - (5A) - - (6) - - (6A) - - (7) - - (7A) 0.5:1 (8) - - (8A)	0.5:1	0.5:1

"- -" indicates "same as preceding model."

"—" indicate "does not apply."

Model Leonides	514/5, 514/5A, 514/6 514/6A, 514/7, 514/7A 514/8, 514/8A	531/8	531/8B
Rating			
Max. continuous, hp, r.p.m., boost psi, at rated press. alt (ft.) sea level press. alt.	495-2900-+6.0-3750 480-2900-+6.0-S.L.	590-3000-+6.5-2750 575-3000-+6.5-S.L.	585-3000-+6.5-2750 570-3000-+6.5-S.L.
Takeoff (5 min.), hp, r.p.m., boost psi, at rated press. alt (ft.) sea level press. alt.	560-3000-+8.0-1750 550-3000-+8.0-S.L.	650-3200-+8.0-2000 640-3200-+8.0-S.L.	635-3200-+8.0-2000 625-3200-+8.0-S.L.
Fuel (minimum grade aviation gasoline)	100/130	- -	- -
Lubricating Oil	D. Eng.R.D. 2472B/2 Aeroshell W80, W100, W120 BP Aero 120HD, Esso E100		
Bore and stroke, in.	4.80 X 4.41	4.80 X 4.80	- -
Supercharger ratio	6.5:1	- -	- -
Displacement, cu.in.	718.6	783	- -
Compression ratio	6.5:1	- -	- -
Weight (dry), lb.	830 ± 1¼% (5 & 5A) 835 ± 1¼% (6 & 6A) 835 ± 1¼% (7 & 7A) 835 ± 1¼% (8 & 8A)	860 ± 1¼%	865 ± 1¼%
C.G. Location (basic engine)	2.2" behind C/L of cyls.-	1.60	- -
Propeller Shaft	No: 3 S.B.A.C.	- -	- -
Fuel Injection	Hobson AL.16 (8) Hobson AL. 17. (8A)	Hobson Type 382 Mk. 1	Hobson Type 382 Mk. 1A.
Ignition, Dual Magneto	B.T-H. C9.B/2	- -	- -
Timing. °BTC	Rt. 40° Left 36°	Rt. 33° Left 33°	- -
Spark Plugs	Lodge LA2, LA2/1 KLG. KA2 & KA3	- -	- -
Oil sump capacity, qt	Dry sump	- -	- -
NOTES	1, 2, 3, 4	- -	- -

"- -" indicates "same as preceding model."

"—" indicate "does not apply."

NOTE 5 Each of the documents listed below must state that it is approved by the European Aviation Safety Agency (EASA) or, for approvals made before September 28, 2003 by the United Kingdom Civil Aviation Authority. Any such documents including those approved under a delegated authority, are accepted by the FAA and are considered FAA approved.

- 1 • Service bulletins,
- 2 • Structural repair manuals,
- 3 • Vendor manuals,
- 4 • Aircraft flight manuals, and
- 5 • Overhaul and maintenance manuals.
- 6
- 7 • Technical Variances

These approvals pertain to the type design only.

....END....