

DIAMOND DA40 XLS

Engine **Lycoming IO-360-M1A**
Horsepower **180 hp**
TBO **2,200 hours**
Propeller. **MT scimitar**
3-blade composite, constant-speed
Seats. **4**
Length **26.5 ft**
Height **6.5 ft**
Wingspan. **39.5 ft**
Wing area. **145.7 sq ft**
Wing loading. **17.4 lbs/sq ft**
Power loading. **14.1 lbs/hp**
Max takeoff weight **2,645 lbs**
Standard empty weight **1,785 lbs**
Maximum useful load **860 lbs**
Usable fuel extended
(gals/pounds) **50/300**
Payload with full fuel **560 lbs**
Never exceed **178 kts**
Maximum structural
cruising speed **129 kts**
Maneuvering speed **108 kts**
Stalling speed, flaps up. **49 kts**
Stalling speed, flaps down. . . . **40 kts**
Cruise (75 percent power
at 6,000 feet). **150 ktas**
No-wind IFR range **720 nm**
Best rate-of-climb airspeed . . . **73 kts**
Best angle-of-climb airspeed . . **66 kts**
Max rate of climb **1,120 fpm**