

## 5. OPERATING LIMITATIONS

Your Xenos exceeds the requirements of airworthiness set forth by Sonex Aircraft, LLC as submitted to the FAA.

The airplane is approved for day VFR operation only.

Your aircraft must be operated in accordance with all FAA-approved markings, placards and check lists in the airplane. If there is any contradiction to FAA approved markings, placards, etc., in this section, it is to be disregarded.

### Airspeed Limitations

The following calibrated airspeed (CAS) limitations must be observed:

Never Exceed Speed (Vne), smooth air, dive or glide.....	150 MPH
Maximum Structural Cruise (Vc).....	115 MPH
Placard Maneuvering Speed (Va).....	115 MPH

### Maneuvers - Utility Category

When operating in the Utility category, no aerobatic maneuvers - including intentional spins - are permitted. In the Utility category the following gross weight and maximum flight load factors apply:

Gross Weight: .....	1275 lbs.
Flight Load Factors:.....	4.4 Gs positive (Max.) 2.2 Gs negative (Max.)

### Maneuvers - Aerobatic Category

When operating the Xenos in the Aerobatic category, no aerobatic maneuvers are approved except those listed below. In the Aerobatic category the following gross weight and flight load factors apply:

Gross Weight: .....	1050 lbs.
Flight Load Factors:.....	6.0 Gs positive (Max.) 3.0 Gs negative (Max.)

While executing these maneuvers, do not use abrupt control inputs:

Chandelles	Lazy Eights
Steep Turns	Spins
Loops	Aileron Rolls
Barrel Rolls	Stalls (except whip stalls)

Aerobatics that may impose high loads must not be attempted. Bear in mind in flight maneuvers that the airplane is clean in aerodynamic design and will build up speed quickly with the nose down. Proper speed control