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**PIPER CHIEFTAIN**  
**PA-31-350/T1020**  
**VORTEX GENERATOR KIT**  
**&**  
**LANDING GEAR KIT**  
 Performance Specifications

|                   | Factory<br>Performance | BLR VG<br>Performance | The BLR VG<br>Difference |
|-------------------|------------------------|-----------------------|--------------------------|
| Ramp Wt.          | 7060                   | 7448                  | +388                     |
| Gross Takeoff Wt. | 7000                   | 7368                  | +368                     |
| Landing Wt.       | 7000                   | 7368                  | +368                     |
| Min. SE – Vmc     | 76                     | 72                    | -4                       |
| Stall clean – Vs  | 78                     | 71                    | -7                       |
| Stall dirty – Vso | 75                     | 67                    | -8                       |
| Liftoff – Vlof    | 81                     | 75                    | -4                       |
| Approach – Vref   | 97                     | 87                    | -10                      |

Speeds shown in Knots

Weights shown in pounds.

Note:

1. Kits can be purchased separately. Landing weight increase requires both kits. Gear Kit includes rib reinforcement for WS 39.5.
2. Stall speeds are certified at new gross weight, forward CG and zero thrust.
3. Vmc is certified at light weight, aft CG and critical engine windmilling.
4. Vlof = Vmc + 5 Knots; Vref = 1.3 x Vso @ 7368 lbs.
5. Vortex Generator Kit installation time is approximately 8 man-hours. Landing Gear Kit installation time is approximately 16 man-hours.
6. Funds quoted in US dollars, plus shipping and handling.

**FAA & CAA Approved STC #'s**  
**SA00192SE-VG Kit \$4,250**  
**SA000202SE-Gear Kit \$4,250**  
**Complete Kit \$8,500**