

# Piper Navajo

## PA-31-310

### VORTEX GENERATOR KIT

Performance Specifications

	Factory Performance	BLR VG Performance	The BLR VG Difference
<b>Max. Ramp Wt.</b>	6540	6880	+340
<b>Gross Takeoff Wt.</b>	6500	6840	+340
<b>Zero Fuel Wt.</b>	6200	6200	No Change
<b>Max. Landing Wt.</b>	6200/6500	6200/6500	No Change
<b>Min. SE -Vmc</b>	76	76	No Change
<b>Stall clean - Vs</b>	76	77	+1
<b>Stall dirty - Vso</b>	70	71	+1
<b>Liftoff - Vlof</b>	81	81	No Change
<b>Approach - Vref</b>	91	92	+1

Speeds shown in knots

Weights shown in pounds.

**Notes:**

1. Stall speeds are certified at new gross weight, forward CG and zero thrust.
2. Vmc is certified at light weight, aft CG and critical engine windmilling.
3. Vlof = Vmc + 5 Knots; Vref = 1.3 x Vso.
4. Landing Weight for serial nos. 31-2 to 31-711 is 6200 lbs.; 31-712 and on is 6500 lbs.
5. Kit installation time is approximately eight man-hours, plus airspeed dial faces.
6. Kit includes comprehensive installation manual, AFMS, 86 vortex generators, 4 nacelle strakes, templates, adhesive, hardware, dial faces, paint and all necessary paperwork.
7. Funds quoted in US dollars, plus shipping and handling.

FAA- & CAA-Approved  
STC#SA00047SE

**PIPER NAVAJO**  
**PA-31-310**  
**WITH BAGGAGE LOCKERS**  
**VORTEX GENERATOR KIT**  
Performance Specifications

	<b>Factory Performance</b>	<b>BLR VG Performance</b>	<b>The BLR VG Difference</b>
<b>Max. Ramp Wt.</b>	6540	6770	+230
<b>Gross Takeoff Wt.</b>	6500	6730	+230
<b>Zero Fuel Wt.</b>	6200	6200	No Change
<b>Max. Landing Wt.</b>	6200/6500	6200/6500	No Change
<b>Min. SE - Vmc</b>	76	76	No Change
<b>Stall clean - Vs</b>	76	77	+1
<b>Stall dirty - Vso</b>	70	71	+1
<b>Liftoff - Vlof</b>	81	81	No Change
<b>Approach - Vref</b>	91	92	+1

Speeds shown in Knots

Weights shown in pounds

Notes:

1. Stall speeds are certified at new gross weight, forward CG and zero thrust.
2. Vmc is certified at light weight, aft CG and critical engine windmilling.
3. Vlof = Vmc + 5 Knots; Vref = 1.3 x Vso @ landing weight.
4. Landing weight for serial nos. 31-2 to 31-711 is 6200 lbs.; 31-712 and on is 6500 lbs.
5. Kit installation time is approximately eight man-hours, plus airspeed dial faces.
6. Kit includes comprehensive installation manual, AFMS, 86 vortex generators, 4 nacelle strakes, templates, adhesive, dial faces, paint and all necessary paperwork.
7. Funds quoted in US dollars, plus shipping and handling.

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