

PIPER CHIEFTAIN
PA-31-350/T1020
VORTEX GENERATOR KIT
Performance Specifications

| | Factory Performance | BLR VG Performance | The BLR VG Difference |
|--------------------------|--------------------------------|-------------------------------|----------------------------------|
| Ramp Wt. | 7060 | 7448 | +388 |
| Gross Takeoff 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 | 77 | -4 |
| Approach - Vref | 97 | 84 | -13 |

Speeds shown in knots

Weights shown in pounds.

Note:

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 @ 7000 lbs.
4. Vortex Generator Kit installation time is approximately 8 man-hours, plus ASI dial faces.
5. Kit includes comprehensive installation manual, AFMS, templates, adhesive, hardware, 88 Vortex Generators, 4 nacelle strakes, dial faces and all necessary paperwork.
6. Funds quoted in US dollars, plus shipping and handling.

FAA & CAA Approved
STC#SA00192SE

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

| | Factory Performance | BLR VG Performance | The BLR VG 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

PIPER P-NAVAJO
PA-31P (425)
VORTEX GENERATOR KIT
Performance Specifications

| | Factory Performance | BLR VG Performance | The BLR VG Difference |
|--------------------------|------------------------|-----------------------|--------------------------|
| Ramp Wt. | 7800 | 7800 | -- |
| Gross Takeoff Wt. | 7800 | 7800 | -- |
| Min. SE - Vmc | 83 | 77 | -6 |
| Stall clean - Vs | 81 | 77 | -4 |
| Stall dirty - Vso | 72 | 67 | -5 |
| Liftoff - Vlof | 83 | 83 | -- |
| Approach - Vref | 97 | 87 | -10 |

Speeds shown in knots

Weights shown in pounds

Note:

1. Speeds are extrapolated from company test data.
2. VG Kit installation time is approximately 8 man-hours. No dial face change required.
3. Kit includes comprehensive installation manual, templates, adhesive, hardware, 88 Vortex Generators, 4 nacelle strakes and all necessary paperwork.
4. Funds quoted in US dollars, plus shipping and handling.

FAA & CAA Approved
STC#SA00764SE

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| <p>PIPER MOJAVE PA-31P-350 VORTEX GENERATOR KIT Performance Specifications</p> |
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| | Factory Performance | BLR VG Performance | The BLR VG Difference |
|-------------------|------------------------|-----------------------|--------------------------|
| Ramp Wt. | 7245 | 7245 | -- |
| Gross Takeoff Wt. | 7200 | 7200 | -- |
| Min. SE - Vmc | 70 | 70 | -- |
| Stall clean - Vs | 77 | 73 | -4 |
| Stall dirty - Vso | 73 | 69 | -4 |
| Liftoff - Vlof | 90 | 80 | -10 |
| Approach - Vref | 99 | 90 | -9 |

Speeds shown in knots

Weights shown in pounds

Note:

1. Speeds are extrapolated from company test data.
2. VG Kit installation time is approximately 8 man-hours. No dial face change required.
3. Kit includes comprehensive installation manual, templates, adhesive, hardware, 88 Vortex Generators, 4 nacelle strakes and all necessary paperwork.
4. Funds quoted in US dollars, plus shipping and handling.

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