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## 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



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**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**