

## ▪ GRAND DUKE PERFORMANCE BY BLR

**Includes: Vortex Generators, Winglets, Dual Aft Body Strakes and Wet-Tip Tanks and a new Operational Weight Increase of 7,039 lbs.**

<b>Specifications for Duke Serial # P-340 as Tested</b>	<b>Factory</b>	<b>BLR modified</b>	<b>Improvement</b>
Max Ramp Weight	6,819	7,039	+220 lbs
Gross Takeoff Weight	6,775	7,000	+225 lbs
Gross Landing Weight	6,775	6,775	No Change
<b><i>Published / Tested</i></b>			
Vmc	87	72 / 70 KIAS	-8 / -15
Vmc - Flaps 15	N/A	71 / 65 KIAS	New
Stall Speed - Flaps Up	82	78 / 76 KIAS	-4 / -6
Stall Speed - Flaps 30°	74	70 / 67 KIAS	-4 / -7
Liftoff Speed	94	82 / 75 KIAS	-12 / -19
Approach Speed	99	87 / 77 KIAS	-12 / -22
Two-Engine Climb	800	1150	+350 FPM
Single-Engine Climb	295	360	+65 FPM
True Airspeed @ FL260	205	212	+7 Knots
Usable Fuel	202	232	+30 Gallons
Range	4+30	5+15	+45 Minutes

**NOTE:**

1. Stall & Liftoff speeds are given at the new gross weight of 7,000 lbs.
2. Vmcs are tested light weight, aft CG, wind milling propeller.
3. Approach is based on 1.3 X Vso at Max, landing weight of 6,775 lbs.

**Includes: Winglet kit, Body Strake kit, Gross Weight Vortex Generator kit and Spring Thing kit (202 gal. models, add optional Wet-Tip price)**