

## ROC (Vy) vs. Density Altitude Data Sheet

(Timed climb to altitude)

Vy: \_\_\_\_\_ Aircraft Weight: \_\_\_\_\_

Ground Temp: \_\_\_\_\_ Altimeter Setting: \_\_\_\_\_

Description of WX conditions: \_\_\_\_\_ Start Time: \_\_\_\_\_

| Test | Pressure Alt (ft) | OAT (deg F) | Time (min:sec) | RPM |
|------|-------------------|-------------|----------------|-----|
| 1    | 2000              |             |                |     |
| 2    | 2500              |             |                |     |
| 3    | 3000              |             |                |     |
| 4    | 3500              |             |                |     |
| 5    | 4000              |             |                |     |
| 6    | 4500              |             |                |     |
| 7    | 5000              |             |                |     |
| 8    | 5500              |             |                |     |
| 9    | 6000              |             |                |     |

Notes: Set Power  
 Stabilize at Vy at least 200 ft or 10 seconds before recording data  
 Hold Vy +/- 3 mph  
 All Altitudes in Pressure ALT (Set ALT to 29.92)

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(Timed climb to altitude)

Vy: \_\_\_\_\_ Aircraft Weight: \_\_\_\_\_

Ground Temp: \_\_\_\_\_ Altimeter Setting: \_\_\_\_\_

Description of WX conditions: \_\_\_\_\_ Start Time: \_\_\_\_\_

| Test | Pressure Alt (ft) | OAT (deg F) | Time (min:sec) | RPM |
|------|-------------------|-------------|----------------|-----|
| 10   | 6000              |             |                |     |
| 11   | 6500              |             |                |     |
| 12   | 7000              |             |                |     |
| 13   | 7500              |             |                |     |
| 14   | 8000              |             |                |     |
| 15   | 8500              |             |                |     |
| 16   | 9000              |             |                |     |
| 17   | 9500              |             |                |     |
| 18   | 10000             |             |                |     |

Notes: Set Power  
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 All Altitudes in Pressure ALT (Set ALT to 29.92)