2008 Compound Hunting Bow Evaluation

PSE Dream Season Test Results

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Introduction:
The Dream Season is PSE’s flagship model for 2008. Taking its name from the popular Drury Outdoors reality hunting show, the Dream Season has proven itself in the field. This bow possesses many of the same performance and aesthetic characteristics of its big brother, the X-Force, while offering an increased brace-height and a slightly tamer shooting platform. The revolutionary limb design’s extreme pre-load combined with the oversized cams contribute to the aggressive appearance of the Dream Season.

The Dream Season sample that was provided to Archery Evolution was measured to have a brace-height of 6 13/16 inches, while the axle-to-axle length was measured to be 32 25/16 inches. The requested 29 inch, 60 pound model was measured straight out of the box to have a 29 5/16 inch draw length and peak draw-weight of 60.8 pounds. At these settings, the Dream Season achieved an average speed of 322.6 fps with a 350 grain arrow. Note: Per request from PSE, the Dream Season was tested in its out of box configuration; no adjustments to draw-length or draw-weight were made.

Only minor imperfections were noted during our thorough examination of the finish quality. A small blemish was noticed on the upper limb pocket, while some machining marks were visible on the lower cam. Slight serving separation on the control cable near the lower cam was also noted. None of these imperfections inhibit the performance of the bow and it is worth mentioning that the film-dip finish was almost impeccable. The finish quality is quite good on this bow.

A couple of the key features that may normally be overlooked are found in the area of the sight window and on the cam. The sight window includes five tapped holes that allow the user to attach the site in 3 separate locations, vertically. This helps accommodate many new sight designs as well as a wide range of shooting styles. The cam offers posts that allow for ± 3/8” adjustment from the module draw-length as well as an adjustable post that changes let-off between 60% and 70%. These easy to use conveniences are packaged into a high-performance yet stable shooting platform.
Detailed Test Results:

Speed / Performance Measurements:

Speed measurements were made with 4 different arrow weights to determine the average speed of the bow per inch of Power Stroke. Utilizing the stored energy obtained from the Force-Draw curve, average dynamic efficiency was calculated.

**Speed per Inch of Power Stroke:** 13.8

**Dynamic Efficiency:** 85.1%

Sound Measurements:

Sound measurements were made with 4 different arrow weights to determine the average sound output, the average A-Weighted sound output (mimicking the human ear) and the average C-Weighted sound output.

**Unweighted Sound Output:** 106.5 dB

**A-Weighted Sound Output:** 87.0 dBA

**C-Weighted Sound Output:** 96.8 dBC

Vibration Measurements:

Vibration measurements were made with 4 different arrow weights to determine the average vibration in 3 dimensions as well as the total average vibration.

**Positive X-Vibration:** 44.1 g

**Negative X-Vibration:** -48.2 g

**Positive Y-Vibration:** 126.8 g

**Negative Y-Vibration:** -127.7 g

**Positive Z-Vibration:** 110.6 g

**Negative Z-Vibration:** -113.0 g

**Total Vibration:** 147.1 g
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