QUANTUM SAIL DESIGN GROUP

# Quantum J/88 Asymmetrical Spinnakers: Design Differences

| | A2 | A3 |
|---|---|---|
| **Apparent Wind Angle** | 90 to 165 | 80 to 155 |
| **True Wind Speed** | 0 to 22 | 8 To 30 |
| **Projected Luff Shape** | Fuller and more positive | Flatter and Straighter |
| **Width** | Maximized for projected Area | Narrows mid girth |
| **Depth** | Designed as an AP all around performer | Flatter Reaching AP shape |
| **Size** | 95 square meters | 80 square meters |
| **Structure** | Full triradial | Full triradial |
| **Material** | Airx 650 | Airx 700 |
| | | |
| **Comments** | **A2 Comments** | **A3 Comments** |
| | Running AP Shape | Reaching AP shape |
| | | Light wind reacher, heavy wind AP sail |
| | Better for running | Better for reaching |
| | Large mid girth, maximum area | Ideal for a reaching design |
| | Very versatile sail | Forgiving reaching that can run in big breeze |
| | Largest sail, AP work horse | Complementary reaching design |
| | Sail panels alligned to loading | Sail panels alligned to loading |
| | Long lasting structural strength | Long lasting structural strength |