

**PowerHouse Challenger Nitro**

1. **VERTICAL POLE** – Vertical post shall be constructed of steel with a black powdercoat finish. The vertical post shall be 5” square tubing with a 1/8” wall thickness. A 3/8” thick baseplate shall be secured to the bottom of the vertical pole by (4) 5/8” hex bolts to allow the unit to be installed via an anchoring system.
2. **EXTENSION ARMS** - Main (adjustable) extension arm tube shall be constructed of dual 1 1/2” x 2” (14 ga.) tubing. Arms shall be yoked for maximum playing stability. Extension shall allow for a minimum 30” from post to face of backboard at any given playing height. The height adjustment crank cylinder shall have a minimum 2000# capacity rating and be located no higher than 4’ from ground level so as to make adjustment possible by all ages. Pole structure design shall allow for rim height to be adjusted infinitely from 10’ down to 7’. Adjustment mechanism shall include an optional locking device to control unwanted adjustment. Pole design shall employ a “direct-rim mount” design to reduce stress on the backboard when player hangs on the rim. An easy-to-read height adjustment label shall register 10’ rim height.
3. **BACKBOARD** – Constructed of 1/4” thick clear tempered glass with bright white ceramic markings fired into the glass. The framework shall be constructed from clear anodized aluminum “L” type extrusions. Overall backboard size shall be approximately 60” wide and 36” high.
4. **RIM** - Flexible type so as to absorb the stress of player contact. The rim shall be of institutional quality with an official 5/8” diameter ring. Ring opening diameter shall be the standard 18” I.D. Rim shall have an orange powder coated finish. Heavy-duty nylon net shall be provided.
5. **WARRANTY** - Pole, backboard, and standard rim shall carry Lifetime Limited Warranty. Entire system weight shall be approximately 295#.