



PLAYING HEIGHT	DIM	MODEL 5004
10' (3.05 M)	"A"	8'-0" (2.44 M)
	"B"	14'-5" (4.39 M)
	"C"	10'-5" (3.18 M)
9' (2.74 M)	"A"	3'-10 1/4" (1.17 M)
	"B"	10'-3" (3.12 M)
8' (2.44 M)	"A"	2'-5 1/2" (.75 M)
	"B"	8'-10 1/2" (2.71 M)
STORAGE	"D"	12'-0 3/4" (3.68 M)

DIMENSIONS IN FEET & INCHES (METERS)

REVISION		
REV.	DATE	BY
-	-	-



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HYDRA-GOAL				
DRAWN	RWP	DATE	04/23/08	MATERIAL N/A
APPROVED	CONNERLEY	DATE	06/02/08	FINISH N/A
FILE LOC. Q:\Final Release\Specifications			DWG. NO. 5004	
SIZE	SCALE	SHT. NO.	PART NO.	REV
A	NONE	1 OF 1	5004	-



HYDRA-GOAL

PORTABLE BASKETBALL GOAL

FRAME

The perimeter of the base shall be constructed of 10" cross member channels welded into a single unitized frame. The vertical mast and horizontal extension shall be 6" square tubing with a .188 wall thickness. The diagonal uprights shall be 2-3/8" O.D. pipes and bank braces shall be 1-7/8" O.D. pipes. All pipe and tubing shall meet or exceed ASTM A513 structural steel specifications. The beam shall extend 8'0" from the front of the unit. The full 8'0" extension shall have a minimum height clearance of 9'6" for player safety.

BALLAST

Each unit shall have a minimum ballast weight of 1100 lbs., permanently built into the rear of the unit.

WHEELS

Each unit shall be transported on four 6" diameter wheels with non-marking polyurethane treads. Each wheel shall have a minimum load rating of 1200 lbs. The wheels shall be supported on steel roller bearings and shall have grease fittings for internal lubrication.

FINISH

Each unit shall be finished in a white enamel finish. Custom colors are available upon request.

PADDING

Main vertical mast, horizontal extension and front area shall be padded with a minimum of 2" thick heavy-duty polyurethane foam and covered with a 14-oz. tear resistant vinyl. All padding shall be attached in a manner for quick replacement.

FOLDING CYCLE

A hydraulic cylinder with a 2" diameter bore x 14" stroke shall raise each unit. The cylinder shall be powered by an integral 3500 psi pump, 110v, 3450 rpm, 1 hp electric motor and a 1/2 gallon reservoir. The folding cycle shall be controlled by one momentary switch for raising the unit and one hand valve for returning the oil to the reservoir and lowering the unit. Locking control box shall be incorporated to prevent unauthorized operation. For safety there shall be a swing latch bolt locking the hinge into playing position. A pin lock shall be incorporated for the 8'0" goal height feature.

Model 5004-8' extension

Model 5002-5' extension