



# Hydradyne LLC

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## Houston's Tower Service

Triple Drum Tower Hoist, Model HTH115-CH210/02-CH210/02-CH165/02-2-A2B(x3)-R

### Equipment Features & Specifications:

- JCB 444TCA liquid cooled Tier 3 diesel engine, rated 114hp gross / 98hp continuous with engine control panel & instrument cluster
- 12VDC battery in pad-locking battery box
- 3-Section hydraulic vane pump
- Two (2) Braden CH210 personnel rated winch with high capacity 02 drum
- One (1) Braden CH165 personnel rated winch with high capacity 02 drum
- Radio package with three (3) A2B valves (one on each winch)
- Three (3) Elapsed time meters (one for each winch)
- ATT capstan, model 4CDUFBC1B
- Parker VG80 high flow winch control valve with hydraulic joystick controls
- High-Low winch speed control
- Reclining operator's seat
- Plexiglas noise/heat shield
- 125-gal. hydraulic oil reservoir with sight level gauge and 10-micron return line filter
- 40-gallon diesel fuel tank
- Fan cooled hydraulic oil cooler
- Class ABC dry-chemical fire extinguisher
- Transportation dimensions (with capstan drum removed): 168"L x 95"W x 79"H
- Net weight with fluids but without wire rope: 14,000 lbs.

### Theoretical Performance:

HYDRADYNE MODEL HTH-115 WITH BRADEN CH165A-26090-02U-1 PERSONNEL RATED WINCH

LAYER	WIRE ROPE STORAGE CAPACITY					NOMINAL LINE PULL		NOMINAL LINE SPEED	
	3/8" WIRE ROPE	7/16" WIRE ROPE	1/2" WIRE ROPE	9/16" WIRE ROPE	5/8" WIRE ROPE	LOW SPEED (2800 psi)	HIGH SPEED (1500 psi)	LOW SPEED (46 gpm)	HIGH SPEED (104 gpm)
1st	293 ft.	253 ft.	222 ft.	198 ft.	179 ft.	11,620 lbs.	6,230 lbs.	125 fpm	327 fpm
MIDDLE	2,204 ft.	1,432 ft.	9,740 ft.	894 ft.	818 ft.	9,510 lbs.	5,090 lbs.	153 fpm	399 fpm
TOP LEGAL	4,625 ft.	3,283 ft.	2,602 ft.	2,056 ft.	1,607 ft.	7,470 lbs.	4,000 lbs.	194 fpm	509 fpm
FULL	5,119 ft.	3,703 ft.	2,975 ft.	2,056 ft.	1,904 ft.	N/A	N/A	N/A	N/A

HYDRADYNE MODEL HTH-115 WITH BRADEN CH210A-36090-02U-1 PERSONNEL RATED WINCH

LAYER	WIRE ROPE STORAGE CAPACITY					NOMINAL LINE PULL		NOMINAL LINE SPEED	
	7/16" WIRE ROPE	1/2" WIRE ROPE	9/16" WIRE ROPE	5/8" WIRE ROPE	3/4" WIRE ROPE	LOW SPEED (2800 psi)	HIGH SPEED (1500 psi)	LOW SPEED (46 gpm)	HIGH SPEED (104 gpm)
1st	315 ft.	276 ft.	247 ft.	223 ft.	187 ft.	12,870 lbs.	6,900 lbs.	113 fpm	295 fpm
MIDDLE	2,141 ft.	1,549 ft.	1,401 ft.	991 ft.	848 ft.	10,660 lbs.	5,710 lbs.	136 fpm	356 fpm
TOP LEGAL	4,884 ft.	3,517 ft.	2,823 ft.	2,250 ft.	1,660 ft.	8,480 lbs.	4,540 lbs.	171 fpm	448 fpm
FULL	5,400 ft.	3,961 ft.	3,220 ft.	2,607 ft.	1,660 ft.	N/A	N/A	N/A	N/A

Data in charts are theoretical values based on calculations provided by the winch manufacturer.