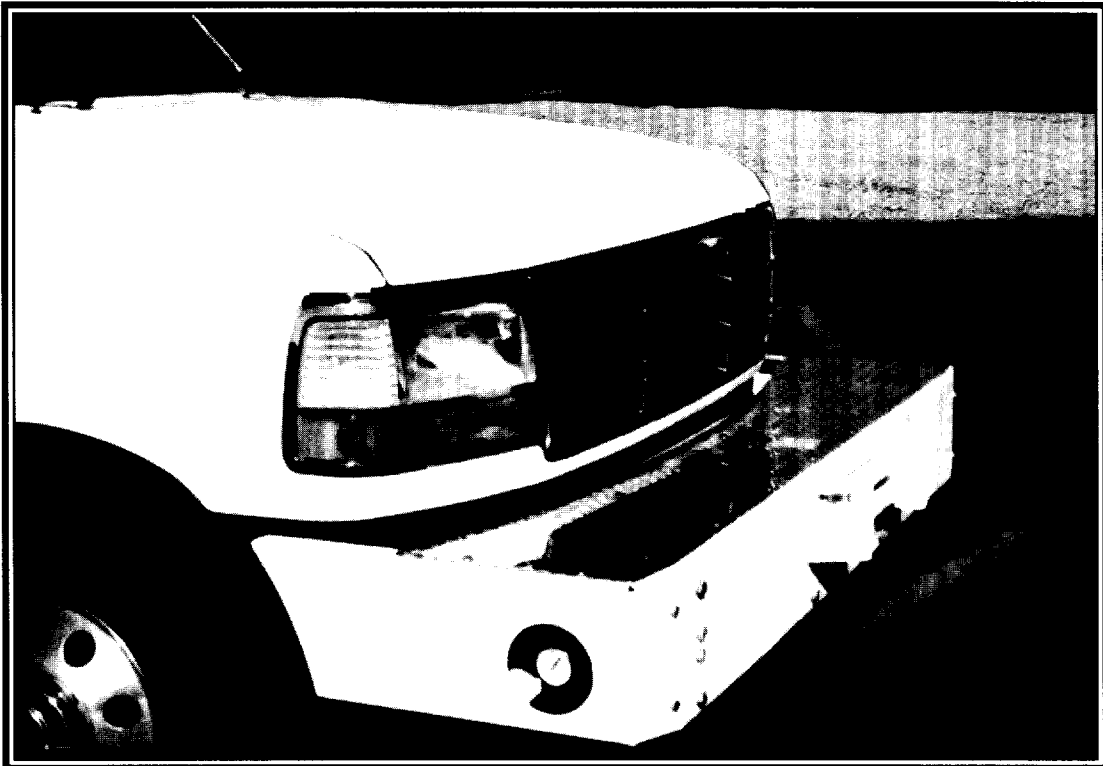


BRADEN

MODEL HUP12A

HYDRAULIC BUMPER MOUNT RECOVERY WINCH



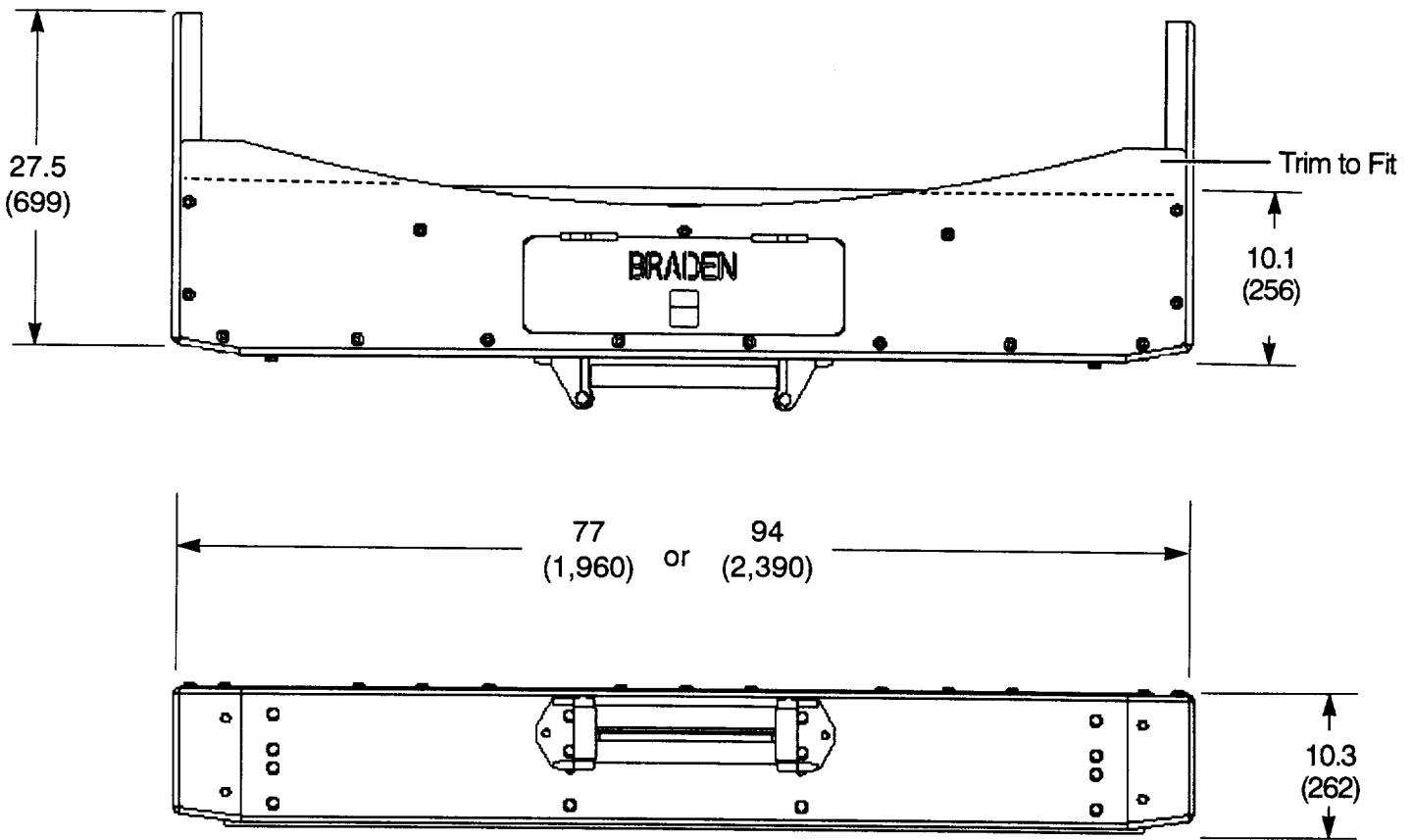
12,000 LBS FIRST LAYER LINE PULL

- Universal Bumper Mount
- Capstan Drive Available on Curb or Street Side
- Splined Jaw Clutch for Free Spooling of Drum
- Available as 77 in. or 94 in. Overall Length
- High Efficiency Planetary Gearing
- Drag Brake Reduces Drum Back Spinning

PACCAR WINCH DIVISIONS

P.O. Box 547 • Broken Arrow, OK 74013
Phone: (918) 251-8511 Fax: (918) 258-4822

DIMENSIONS SHOWN ARE INCHES (mm)



ENGINEERING AND PERFORMANCE DATA

Maximum First Layer Line Pull	12,000 lbs	5,440 kg
Capstan Rating	2,250 lbs	1,020 kg
Cable Drum Diameter	4 in	102 mm
Cable Drum Flange Diameter	9.1 in	231 mm
Distance Between Flanges	14 in	356 mm
Storage Capacity (1/2 in. wire rope)	158 ft	48 M

L A Y E R	Low Speed Performance*				High speed Performance*				Rope Capacity	
	Line Pull		Line Speed		Line Pull		Line Speed		(1/2 in.)	
	lbs	kg	fpm	mpm	lbs	kg	fpm	mpm	ft	M
1	12,000	5,440	48	15	6,000	2,720	94	29	30	9
2	9,820	4,450	59	18	4,910	2,230	115	35	66	20
3	8,310	3,770	69	21	4,150	1,880	136	41	109	33
4	7,200	3,270	80	24	3,600	1,630	157	48	158	48

* Performance shown is dynamic, at 2,000 psi and 20 gpm