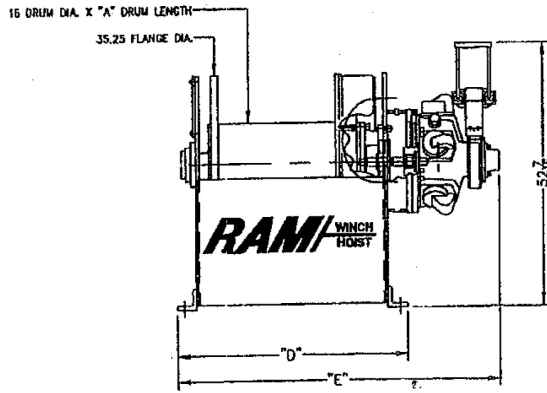
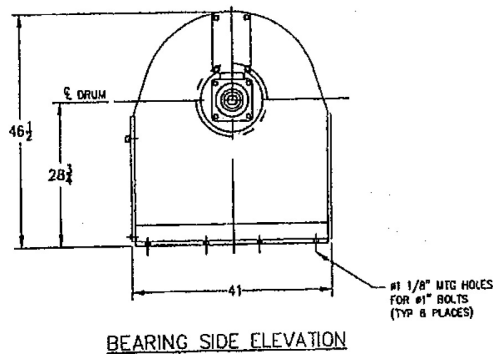
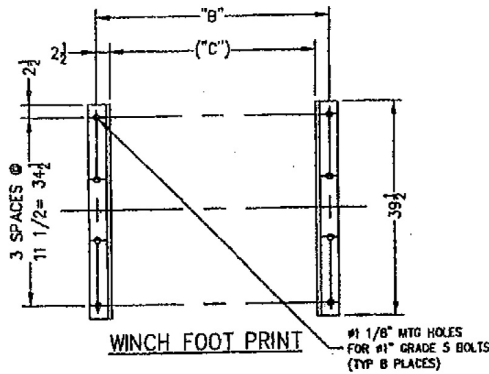




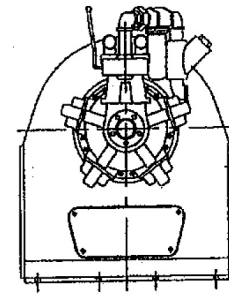
Lifting Gear Hire Corporation

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20,000 lbs Air Winch RAM AW3B-42AX1 - 42" Drum



REAR ELEVATION



DRIVE SIDE ELEVATION

Dimensions

Model	Drum Width A (in.)	B (in.)	C (in.)	D (in.)	E (in.)	Flange Dia. (in.)	Drum Dia. (in.)
AW3B-42AX1	42"	62	57	65	83.78	35.25	16

Note: Dimensions are subject to change. Please contact factory for certified prints.
Green shading reflects rental inventory.

Model AW3B-12AX1 (12" Drum Length) - 7/8" Wire Rope Dia. @ 90 PSIG - Specifications

Layer No.	Capacity (ft)	Accumulated Capacity (ft)	Pitch Dia (in)	Max Hp		Flange Clearance	Stall Line Pull (lbs)	Start Line Pull (lbs)	FPM AT F.S.
				Line pull (lbs)	Speed (fpm)				
1	208	208	16.9	36,899	30.4	8.4	56,320	44,039	72
2	226	434	18.4	33,856	33.1	7.7	51,676	40,408	78
3	245	679	19.9	31,277	35.8	6.9	47,739	37,330	85
4	264	942	21.4	29,063	38.6	6.2	44,360	34,687	91
5	282	1,225	22.9	27,142	41.3	5.4	41,428	32,394	98
6	301	1,526	24.5	25,459	44.0	4.6	38,859	30,385	104
7	320	1,845	26.0	23,972	46.8	3.9	36,590	28,611	111
8	338	2,183	27.5	22,650	49.5	3.1	34,572	27,033	117
9	357	2,540	29.0	21,466	52.2	2.4	32,764	25,620	124
10	376	2,916	30.5	20,399	55.0	1.6	31,136	24,347	130
11	394	3,310	32.0	19,434	57.7	0.9	29,662	23,194	137

Green shading reflects rental inventory.

Note: 7/8" wire rope should be used for pulling applications only; 1" wire rope should be used for overhead lifting.

ANSI B30.7 which requires a 1/2 inch flange clearance. Layer numbers 1 - 9 meet European standards requiring 2 1/2 diameters of flange clearance.



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20,000 lbs Air Winch RAM AW3B-42AX1 - 42" Drum

WARNING

Failure to follow these warning signs may result in death, severe injury or property damage.

- Do not operate this winch before reading the operation and maintenance manual.
- Do not lift more than rated load.
- Do not allow less than three wraps of wire rope to remain on drum at all times. Operator must stay in view of the winch drum.
- Do not operate a damaged or malfunctioning winch.
- Do not remove or obscure warning labels.

WINCH OPERATING PRACTICES

1. Read the manufacturer's instructions before operating the winch.
2. Always inspect, test maintain and operate this winch in accordance with American National Standards Institute Safety Standards B30.7
3. Never Lift a load greater than the rated line pull of the winch.
4. Use the recommended size wire rope for load to be handled.
5. Never use the wire rope as a sling.
6. Always stand clear of the load.
7. Unless the winch is designed for personnel handling, never use this winch for lifting or lowering people, and never stand on a suspended load.
8. Never carry loads over people.
9. Never disengage the clutch with a load applied to the winch.
10. Never engage the clutch with the winch motor running
11. Always rig the winch properly and carefully, making certain the wire rope is properly anchored to the drum.
12. Before each shift, check the winch for wear and damage. Check the brakes, wire rope, hooks, guides, mounting bolts, etc. Lift a capacity load or a near capacity load a few inches off the floor and check the ability of the breaking system to stop and hold the load without excessive drift, if the winch is being used for lifting.
13. Never operate a winch with a twisted, kinked or damaged wire rope.
14. Periodically inspect the winch thoroughly and replace worn or damaged parts. Keep accurate records of all inspections and repairs.
15. Follow the lubrication instructions provided by the manufacturer.
16. Do not attempt to repair the wire rope or hooks. Replace hooks when there is a 15% increase in the throat opening or when there is a 10% bend as shown by inspection records.
17. Keep the rope clean and well lubricated. Replace wire rope that is frayed.
18. Ease the slack of the wire rope when starting. Do not jerk the winch.
19. If the drum is exposed to personnel walkways, place a guard over the drum.
20. Do not use your hands to guide the rope onto the drum when winding the wire rope.
21. Be certain there are no objects in the way of the load or hook when operating the winch.
22. Do not use higher air pressure than recommended by the manufacturer.
23. Use compressed air carefully. Be sure the hose couplings are secure, and make certain a safety chain is provided to avoid hose whip if the coupling fails.
24. Wear proper clothing to avoid entanglement in rotating machinery.
25. Be certain the air supply is shut off before performing maintenance on the winch.
26. Properly secure a winch before leaving it unattended.
27. Do not leave a load suspended for any extended period of time. Never leave a suspended load unattended.
28. Do not allow unqualified personnel to operate a winch.
29. Do not operate a winch if you are not physically fit to do so.
30. Do not divert your attention from the load while operating a winch.
31. Be certain the load is properly seated in the saddle of the hook. Do not tip load the hook as this leads to spreading and eventual failure of the hook.
32. Do not force a hook into place by hammering.
33. Never operate a winch beyond the point where less than four wraps of wire rope remain on the drum.
34. Do not use the wire rope as a ground for welding. Do not attach a welding electrode to a winch or sling.
35. Never operate a winch that makes excessive mechanical noise. Report the problem immediately.