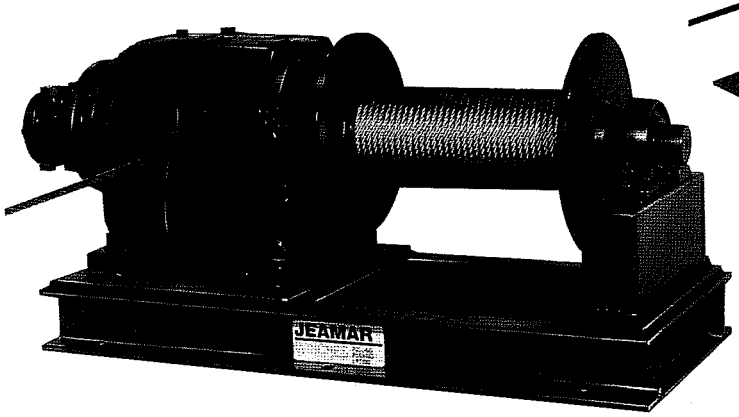
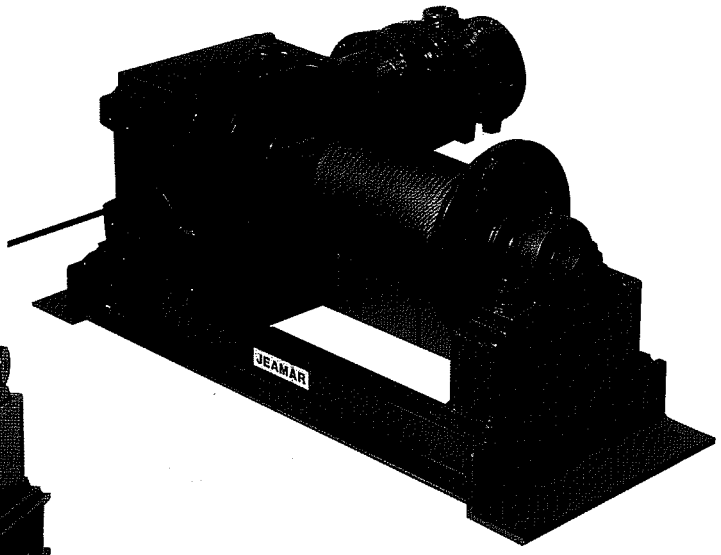
Jeamar Winches
YOUR FIRST CHOICE FOR WINCHING SOLUTIONS

Air Winches

Air Tugger Winch





Air Lifting Winch

Winch Drums
Drums are steel fabricated and designed to specific loading capacity. Drums are sized according to ASME B30.7.94 to provide a minimum pitch diameter of 15 times the nominal rope diameter on Air Tuggers and 18 times on our Air Lifting Winches.

Direct Drive
A simple, direct-drive design increases the efficiency of the winch and eliminates drive chains or bull gears to maximize power output.

Any Position
An open-base design permits mounting in horizontal or vertical positions. Loads can be pulled through the base itself, which is particularly useful in limited-space installations.

Ball & Roller Bearings Throughout
Friction load loss is reduced to a minimum through the use of ball and roller bearings. No bushings means higher efficiency and more power for pulling.

Power In — Power Out
For added safety, all winches are fully reversible. This gives the operator complete control of the winch load in both directions at all times.

High Service Factors
Jeamar winches are designed and manufactured for continuous, heavy-duty operation with a minimum service factor of 1 (one).

Gear Reducers
All Jeamar air winches have high-efficiency helical reducers plus high-capacity, anti-friction bearings for long life, low noise and high output torque. Totally enclosed reducers make them weatherproof.

Air Motors
Jeamar air motors are fully reversible vane type. Positive starting and precise control are central features of the motors, which have been designed for long life and low-cost operation. They can be stalled indefinitely under load without harm to the motor.

Control Valve
Control valves feature proportional flow with spring return to neutral for “deadman” operation. Valves control the winch speed by varying air flow to the motor. With the control released, air flow is cut off, stopping the winch. Controls are supplied loose to allow for mounting that is appropriate to the application.

Air Brake
Standard on all heavy duty lifting winches, the air brake is a disc type that is activated automatically in the event of a power interruption. The brake will stop the winch and hold the load securely. When the Air Tugger is used to move loads on an incline, it is essential that a brake be used.

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Air Tugger Winch Specifications

Model Number		NHA 550	NHA 1100	NHA 1900	NHA 2800	NHA 4000	NHA 5800	NHA 7500
Working Load Limit (1st Layer)	lb	550	1100	1900	2800	4000	5800	7500
	kg	249	499	862	1270	1814	2630	3401
Working Load Limit (4th Layer)	lb	412	785	1355	2015	2900	4230	5280
	kg	187	356	615	914	1315	1918	2395
Line Speed (1st Layer)	fpm	25	28	27	21	22	26	23
	m/min	7.6	8.5	8.2	6.4	6.7	7.9	7.0
Line Speed (4th Layer)	fpm	33	39	38	29	30	35	32
	m/min	10.1	11.9	11.6	8.8	9.1	10.7	9.8
Rope Diameter	in	1/8	3/16	1/4	5/16	3/8	7/16	1/2
	mm	3	5	6	8	10	11	13
Rope Capacity (4th Layer)	ft	125	160	215	215	275	290	250
	m	38	49	66	66	84	88	76
Motor Power (at rated line speed)	Hp	0.42	0.96	1.58	2.40	2.70	4.60	5.40
	kw	0.3	0.7	1.2	1.8	2.0	3.4	4.0
Air Consumption	cfm	58	110	110	160	160	260	260
	l/s	26	50	50	75	75	118	118
Weight	lb	92	130	190	415	438	645	808
	kg	42	59	86	189	199	293	367

Note: All performance data are based on 90psi (6 Bar) air supply

Air Lifting Winch Specifications

Model Number		NLA 400	NLA 900	NLA 1400	NLA 2000	NLA 2800	NLA 3800	NLA 5000
Working Load Limit (1st Layer)	lb	400	900	1400	2000	2800	3800	5000
	kg	181	408	635	907	1270	1723	2268
Working Load Limit (4th Layer)	lb	300	675	1060	1515	2120	2940	3750
	kg	136	306	481	687	961	1333	1701
Line Speed (1st Layer)	fpm	24	24	24	23	25	23	20
	m/min	7.3	7.3	7.3	7.0	7.6	7.0	6.1
Line Speed (4th Layer)	fpm	32	32	32	30	33	30	27
	m/min	9.8	9.8	9.8	9.1	10.1	9.1	8.2
Rope Diameter	in	1/8	3/16	1/4	5/16	3/8	7/16	1/2
	mm	3	5	6	8	10	11	13
Rope Capacity (4th Layer)	ft	125	187	250	300	300	350	300
	m	38	57	76	91	91	107	91
Motor Power (at rated line speed)	Hp	0.40	1.00	1.48	2.00	2.90	3.80	4.30
	kw	0.3	0.7	1.1	1.5	2.2	2.8	3.2
Air Consumption	cfm	58	110	110	160	160	260	260
	l/s	26	50	50	75	75	118	118
Weight	lb	128	196	289	350	378	445	719
	kg	58	89	131	159	172	202	327

Note: All performance data are based on 90psi (6 Bar) air supply