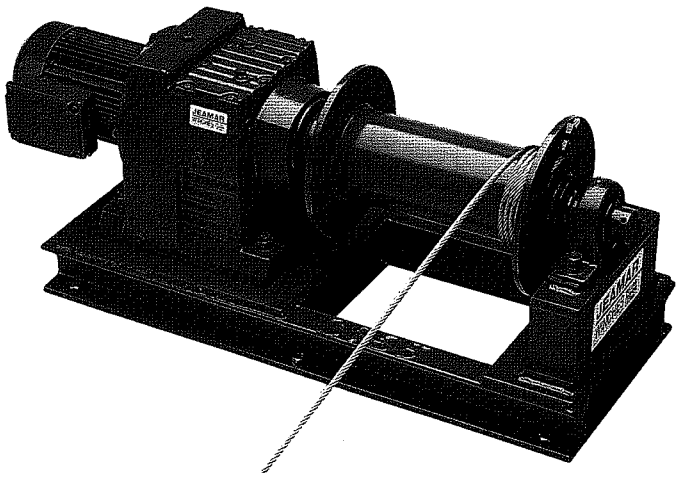
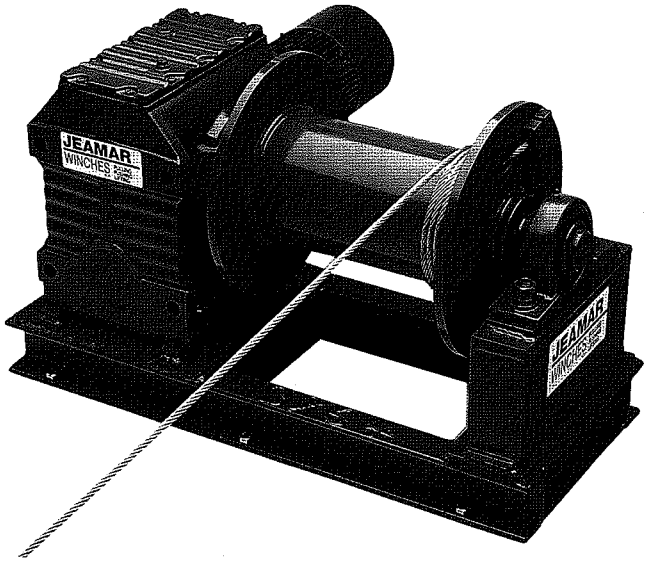
Jeamar Winches
YOUR FIRST CHOICE FOR WINCHING SOLUTIONS

Electric Winches

Electric Hauling Winch



Electric 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 Hauling Winches and 18 times on Lifting Winches.

Direct Drive
A simple, direct-drive design increases the efficiency of the winch for maximum power output.

Any Position
An open-base design permits mounting in horizontal or vertical positions.

Ball & Roller Bearings
Friction load loss is reduced to a minimum through the use of ball and roller bearings.

Power In — Power Out
For added safety, all winches are fully reversible.

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 hauling winches have high-efficiency helical gear reducers plus high-capacity, anti-friction bearings for long life, low noise and high output torque. Jeamar Lifting Winches utilize high efficiency helical worm or worm reducers.

Electric Motors
The full range of Jeamar's heavy duty electric winches is available with 3-phase motors in any standard voltage at 50 or 60 Hz, with a selection of single phase in any standard voltage at 50 or 60 Hz. All motors are TEFC flange mounted and conform to NEMA, EEMAC or IEC specifications.

Braking Systems
Standard on all heavy duty lifting winches, the electromagnetic 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. Due to the high ratio of the worm gear, it has the effect of a secondary braking system in accordance with the requirements of OSHA. When a Hauling Winch is used to move loads on an incline, it is essential that a brake be used.

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Specifications

Single Phase Hauling Winches

Model Number		NHS 550	NHS 1100	NHS 1900
Working Load Limit (1st Layer)	lb	550	1100	1900
	kg	249	499	862
Working Load Limit (4th Layer)	lb	412	785	1355
	kg	187	356	615
Line Speed (1st Layer)	ft/min	25	28	24
	m/min	7.6	8.5	7.3
Line Speed (4th Layer)	ft/min	33	39	34
	m/min	10.1	11.9	10.4
Rope Diameter	in	1/8	3/16	1/4
	mm	3	5	6
Rope Capacity (4th Layer)	ft	105	160	215
	m	32	49	66
Motor	Hp	1/2	1	1-1/2
	kW	0.4	0.7	1.1
Weight	lb	90	140	232
	kg	41	63	105

Single Phase Lifting Winches

Model Number		NLS 400	NLS 900	NLS 1400	NLS 2000
Working Load Limit (1st Layer)	lb	400	900	1400	2000
	kg	181	408	635	907
Working Load Limit (4th Layer)	lb	300	675	1060	1515
	kg	136	306	481	687
Line Speed (1st Layer)	ft/min	24	24	25	23
	m/min	7.3	7.3	7.6	7.0
Line Speed (4th Layer)	ft/min	32	32	33	30
	m/min	9.8	9.8	10.1	9.1
Rope Diameter	in	1/8	3/16	1/4	5/16
	mm	3	5	6	8
Rope Capacity (4th Layer)	ft	125	187	250	300
	m	38	57	76	91
Motor	Hp	1/2	1	1-1/2	2
	kW	0.4	0.7	1.1	1.5
Weight	lb	130	212	322	420
	kg	59	96	146	190

Three Phase Hauling Winches

Model Number		NHT 550	NHT 1100	NHT 1900	NHT 2800	NHT 4000	NHT 5800	NHT 7500	NHT 9000	NHT 11000	NHT 15000	NHT 17000
Working Load Limit (1st Layer)	lb	550	1100	1900	2800	4000	5800	7500	9000	11000	15000	17000
	kg	249	499	862	1270	1814	2630	3401	4082	4989	6803	7710
Working Load Limit (4th Layer)	lb	390	785	1357	2015	2900	4230	5280	6615	7850	10770	12230
	kg	177	356	615	914	1315	1918	2395	3000	3560	4884	5546
Line Speed (1st Layer)	ft/min	27	28	31	31	25	26	29	25	28	21	28
	m/min	8.2	8.5	9.5	9.5	7.6	7.9	8.8	7.6	8.5	6.4	8.5
Line Speed (4th Layer)	ft/min	38	39	43	43	34	35	41	34	39	30	39
	m/min	11.6	11.9	13.1	13.1	10.4	10.7	12.5	10.4	11.9	9.1	11.9
Rope Diameter	in	1/8	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	3/4
	mm	3	5	6	8	10	11	13	14	16	19	19
Rope Capacity (4th Layer)	ft	113	117	226	215	275	290	250	350	315	375	375
	m	34	36	69	66	84	88	76	107	96	114	114
Motor	Hp	1/2	1	2	3	3	5	7 1/2	7 1/2	10	10	12 1/2
	kW	0.4	0.7	1.5	2.2	2.2	3.7	5.6	5.6	7.5	7.5	9.3
Weight	lb	94	146	229	450	500	700	950	1230	1500	1900	2100
	kg	43	66	104	204	227	317	431	558	680	840	952

Three Phase Lifting Winches

Model Number		NLT 400	NLT 800	NLT 1400	NLT 1900	NLT 2800	NLT 3800	NLT 5000	NLT 6500	NLT 8000	NLT 11000	NLT 16000
Working Load Limit (1st Layer)	lb	400	800	1400	1900	2800	3800	5000	6500	8000	11000	16000
	kg	181	363	635	862	1270	1723	2268	2948	3628	4989	7256
Working Load Limit (4th Layer)	lb	325	675	1060	1380	2120	2945	3750	4840	6015	8270	12210
	kg	147	306	481	626	961	1336	1701	2195	2728	3751	5537
Line Speed (1st Layer)	ft/min	22	22	24	24	23	28	22	27	25	21	22
	m/min	6.7	6.7	7.3	7.3	7.0	8.5	6.7	8.2	7.6	6.4	6.7
Line Speed (4th Layer)	ft/min	27	26	32	33	30	36	29	36	33	28	29
	m/min	8.2	7.9	9.8	10.1	9.1	11.0	8.8	11.0	10.1	8.5	8.8
Rope Diameter	in	1/8	3/16	1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8
	mm	3	5	6	8	10	11	13	14	16	19	22
Rope Capacity (4th Layer)	ft	175	220	250	300	300	350	300	300	300	400	425
	m	53	67	76	91	91	107	91	91	91	122	130
Motor	Hp	1/2	1	1.5	2	3	5	5	7.5	10	10	15
	kW	0.4	0.7	1.1	1.5	2.2	3.7	3.7	5.5	7.5	7.5	11.2
Weight	lb	130	212	322	420	440	500	774	920	1390	2060	3060
	kg	59	96	146	190	200	227	351	417	630	934	1388