



Haisen

Haisen
MOTOR TOOL FACTORY





To be professional is the origin of customers' belief.



Haisen **MOTOR TOOL FACTORY**

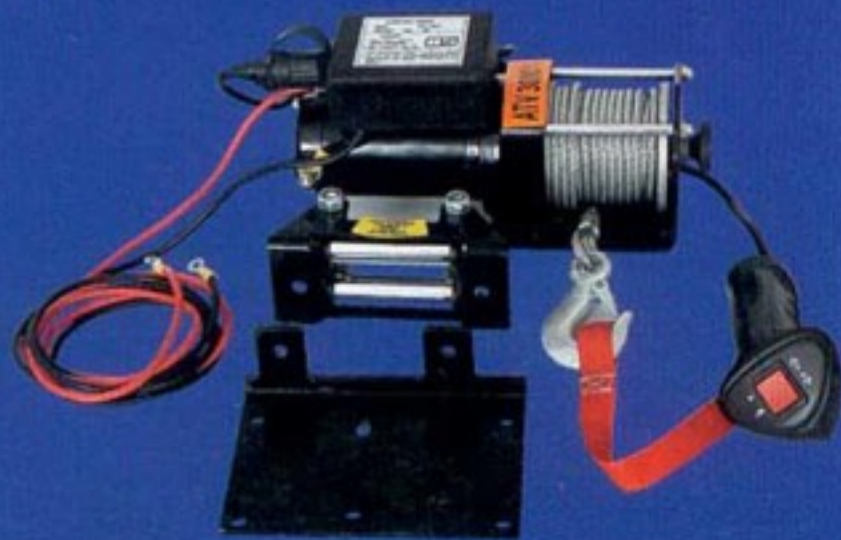


Fenghua Haisen Motor Tool Factory is located at China Hometown of Strawberry—Shangtian Town, Fenghua City, 25KM distance away from Ningbo Airport, closed to Tongshan Expressway with convenient transportation and beautiful environments.

The company was established in March, 2004, a professional manufacturing company of DC permanent magnetic traction motor, cable tie gun, jig jaw, manufacturing and processing of plastic wares and stamping parts, electric winch series development and manufacturing, and also own the rights of exporting and can be act as exporting agent.

The company follow the rule of scientific development, pay attention to technological innovations, and stick to the tenet of quality first, best processes, excellent performances, continuous improvement, promote the spirit of professional, practical, fighting and innovation, advanced with the time to satisfy customers' requirements and expectations, continue to improve the ability of manufacturing and development, deeply get trust and love from many customers.

Warmly welcome friends come from home and abroad to visit and communicate with us. Sincerely to cooperate to create a brighter future.




HS1500LB

ATV 1500L B DC 12V/24V

Performance	12V DC
Rated Line pull(Single line)	1,500lbs(680kg)
Motor	1.0hp
Gearing	Differential planetary
Gear Ratio	153:1
Wire Rope	φ 5/32" × 25' (φ 4mm × 7.6m)
Dimensions	L × W × H(285 × 105 × 105mm)
N.W/G.W.	9kg/10kg(1Pcs)
Meas	34.5 × 22 × 12.5(cm)

Pull,Speed,Amperes,Volts(First layer)

Line Pull(lbs/kg)	Line Speed FPM(m/min)	Motor(Amps)
0	10.5ft(3.2m)	8
500(227)	9.2ft(2.8m)	30
1000(454)	7.5ft(2.3m)	60
1500(680)	5.2ft(1.6m)	90

Line Pull And Rope Capacity In Layer

Layer	Rated Line Pull(lbs/kg)	Total Rope On Drum(ft/m)
1	1500(680)	6.5(2.0)
2	1227(557)	14.0(4.3)
3	937(425)	23.5(7.2)
4	900(408)	25.0(7.6)





HS2000LB



2000LBS Performance Specifications

Performance Specifications single line rated pull	2000lbs(906kgs)
Gear reduction ratio	153:1
Motor	Permanent magnet DC 12V motor with 0.85 hp output
Overall dimensions	345(L) x 220(W) x 125(H)mm
Drum size	φ 1.24(D) x 2.88" (L) φ 31.5(D) x 73(L)mm
Cable length	49ft(L) of φ 5/32" Cable 15m(L) of φ 4mm Cable
Weight	N.W.20lbs(9kg) G.W.22lbs(10kg)

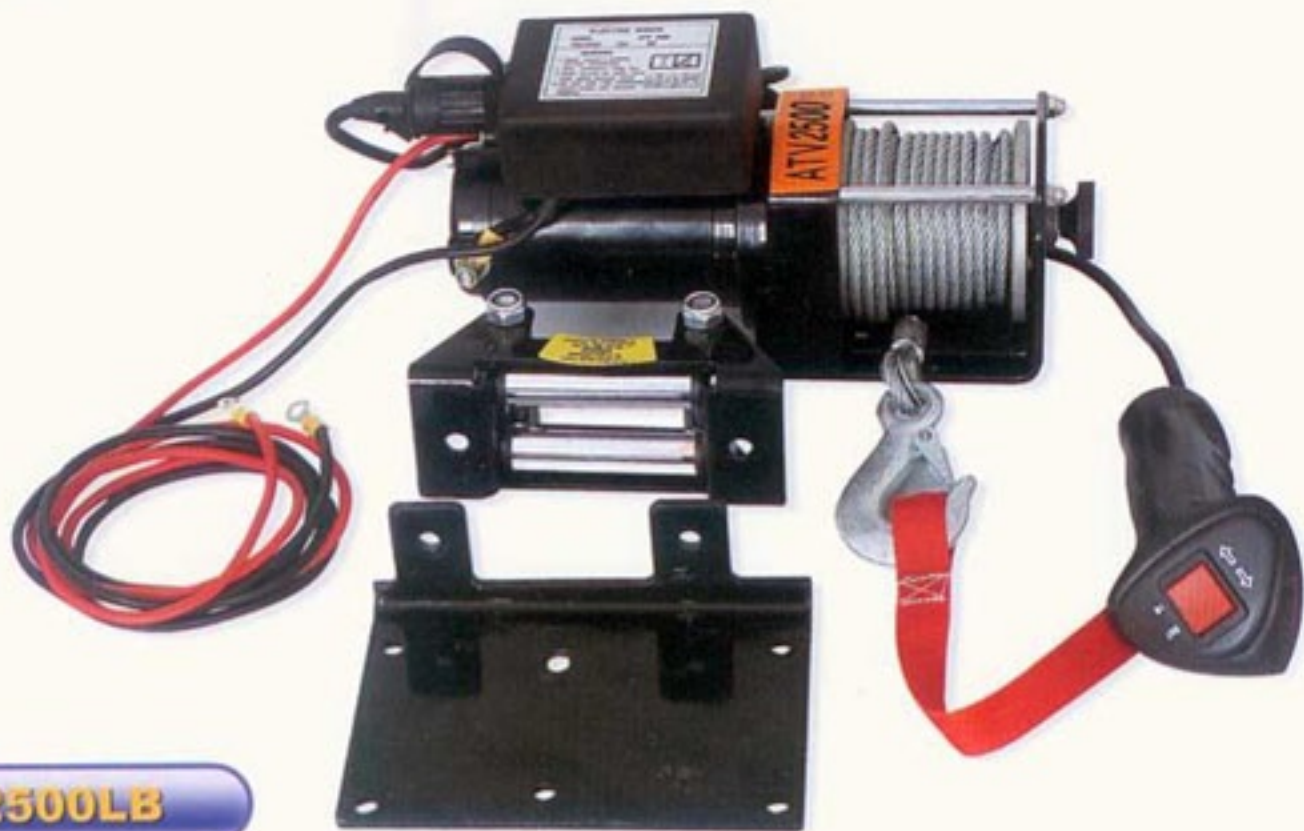
Line speed and Motor current(first layer)

Line Pull	Lbs	0	500	1000	1500	2000
	Kgs	0	227	454	680	906
Line Speed	FPM	10.5	9.2	7.5	5.9	4.2
	MPM	3.2	2.8	2.3	1.8	1.3
Motor current	Amps	10	25	40	60	90

Line pull and Cable capacity

Layer of cable		1	2	3	4	5	6
Rated line pull perlayer	Lbs	2000	1630	1380	1190	1050	940
	Kgs	906	740	620	540	470	420
Cable capacity perlayer	Fl.	6.5	14	22	31	41	49
	M	2.0	4.3	6.8	9.5	12.5	15




HS2500LB


2500LBS Performance Specifications

Single line rated pull	2500lbs(1,133kgs)
Motor	Permanent magnet, 0.7kw/0.9hp(12V);
Gear reduction ratio	153:1
Braking action	Mechanical and Dynamic
Drum diameter	1.24" (31.5mm)
Drum length	2.88" (73mm)
Wire rope	4.76mm x 15.2mm
Dimensions	345mm(L)x220mm(W)x125mm(H)
Mounting bolt patte	3.13" (79.3mm)
Weight	N.W.20lbs(9kg) G.W.22lbs(10kg)

Line speed and Motor current(firstlayer)

Line Pull	Lbs	0	500	1000	1500	2000	2500
	Kgs	0	227	454	680	906	1133
Line Speed	FPM	14	12	10	8	7	5
	MPM	4.2	3.6	3.0	2.4	2.1	1.5
Motor current	Amps	20	30	55	75	100	120

Line pull and Cable capacity

Layer of cable		1	2	3	4	5	6
Rated line pull perlayer	Lbs	2500	2000	1630	1380	1050	940
	Kgs	1,133	906	740	620	470	420
Cable capacity perlayer	Ft.	4	6.5	14	22	41	49
	M	1.2	2.0	4.3	6.8	12.5	15





HS3000LB



3000LBS Performance Specifications

Single line rated pull	3000lbs(1361 kgs)
Motor	Permanent magnet DC 12V motor with 0.85 hp output
Gear reduction ratio	153:1
Braking action	Mechanical and Dynamic
Drum diameter	1.24" (31.5mm)
Drum length	2.88" (73mm)
Wire rope	5.4mm x 13mm
Dimensions	LxWxH(345x220x125mm)
Mounting bolt patte	3.13" (79.3mm)
Weight	N.W.22lbs(10kg) G.W.24.4lbs(11kg)

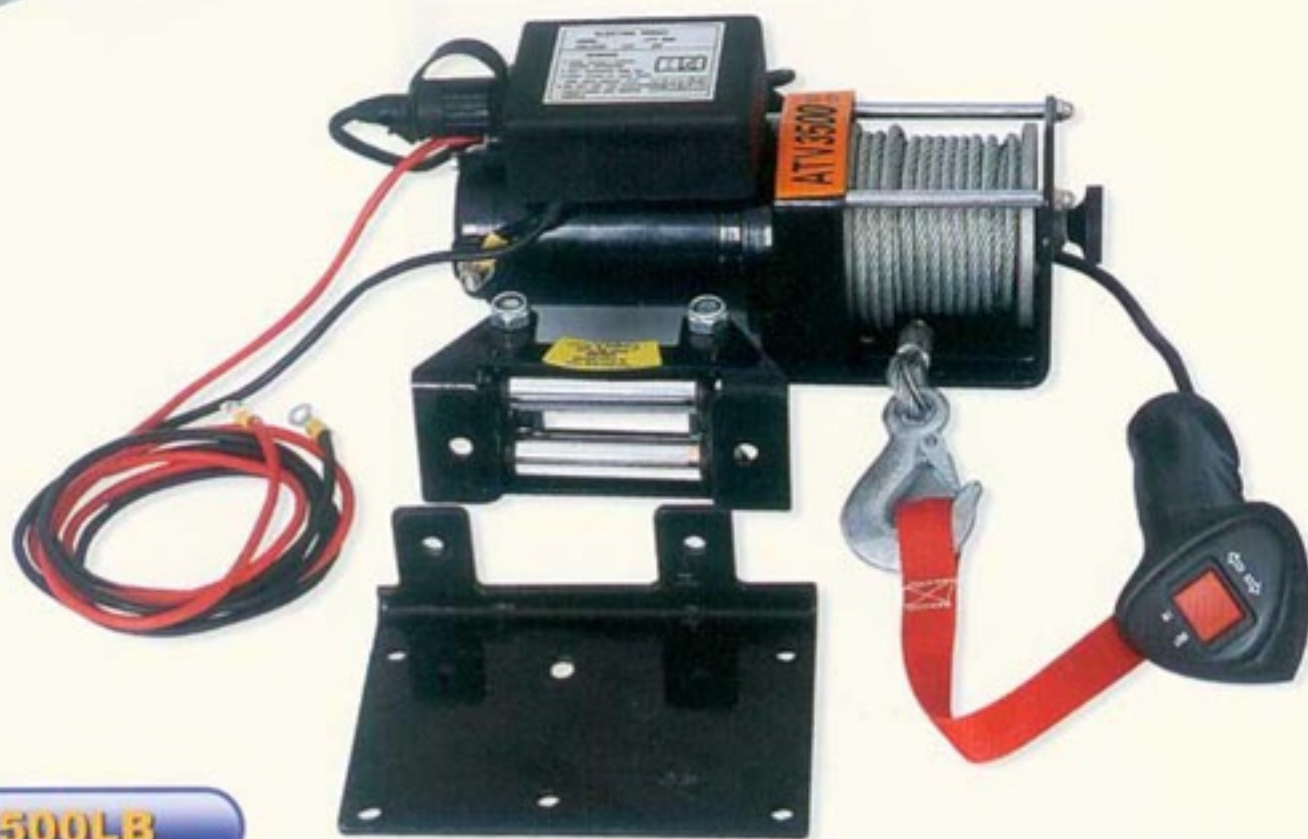
Line speed and Motor current(firstlayer)

Line Pull	Lbs	0	500	1000	1500	2000	2500	3000
	Kgs	0	227	454	680	907	1133	1361
Line Speed	FPM	14	12	10	8	7	5	3
	MPM	4.2	3.6	3.0	2.4	2.1	1.5	0.9
Motor current	Amps	20	30	55	75	100	120	140

Line pull and Cable capacity

Layer of cable		1	2	3	4	5	6	7
Rated line pull perlayer	Lbs	3000	2000	1630	1380	1190	1050	940
	Kgs	1361	906	740	620	540	470	420
Cable capacity perlayer	FL	4	6.5	14	22	31	41	49
	M	1.2	2.0	4.3	6.8	9.5	12.5	15



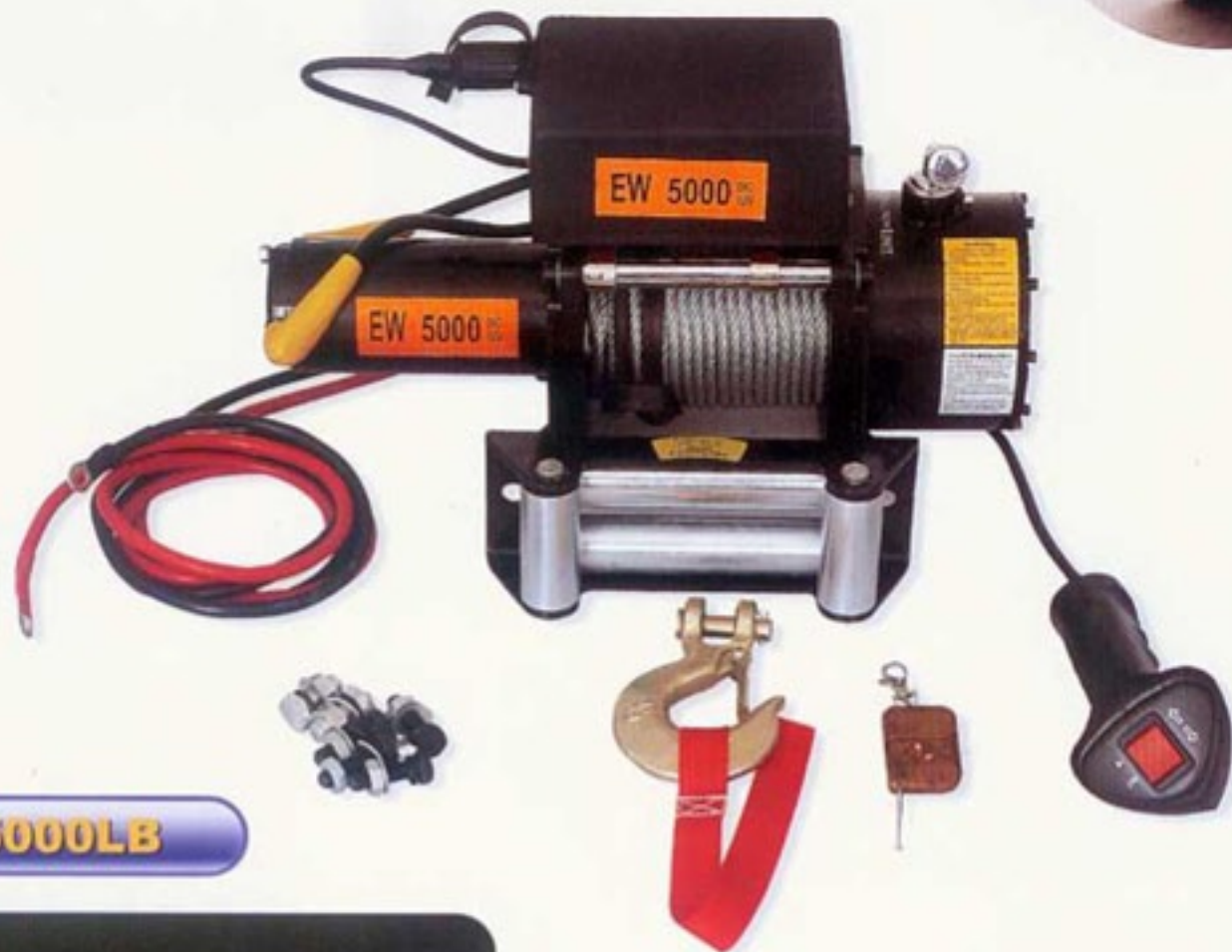
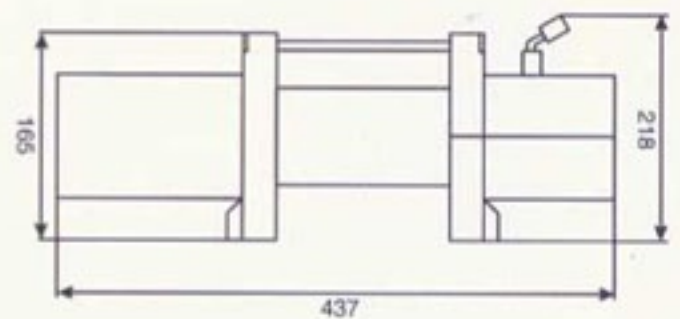


HS3500LB

3500LBS FEATURES AND SPECIFICATIONS

Single line rated pull	3500lbs(1575kg)
Motor	Permanent magnet DC 12V motor with 0.85 hp output
Gear reduction ratio	153:1
Braking action	Mechanical and Dynamic
Drum diameter	1.24" (31.5mm)
Drum length	1.88" (73mm)
Wire rope	5.4mmx13mm
Dimensions	LxWxH(345x220x125mm)
Mounting bolt patte	3.13" (79.3mm)
Weight	N.W.22.5lbs(10.2kg) G.W. 25lbs(11.25kg)



**HS5000LB****5000LBS FEATURES AND SPECIFICATIONS**

Single Line Rated Pull	5000lbs(2268)kg
Motor	1.6HP/1.2KW, 12V DC Permanent Magnet
Control	Remote switch 12ft (3.7m)lead
Gearing	Differential planetary
Gear train	3 Stage Planetary
Gear reduction ratio	307:1
Clutch	Sliding Ring Gear
Braking Action	Automatic In-The Drum
Drum size	Diameter 2.52" (64mm) Length 5.26" (134mm)
Wire rope	79ft of 1/4" diameter (24m of 6.4 mm Diameter)
Fairlead	4-way Roller Fairlead
Remote Control	Include
Battery Leads	4 gauge, 59" (1.5m)
N.W/G.W.	25kg/28kg(1pcs/CTN)
Overall Dimensions	(L x W x H) 6.9" x 6.3" x 8.6" (437x165x218mm)
CTN Meas	(L x W x H) 54 x 34 x 25cm(1/pcs/CTN)

Pull, Speed, Amperes, Volts (First layer)

Line Pull (lbs/kg)	Line Speed FPM(m/min)	Motor (Amps)
0	10.0ft(3.1m)	30
1000(454)	8.9ft(2.7m)	80
2000(907)	7.5ft(2.3m)	120
3000(1361)	6.2ft(1.9m)	160
4000(1814)	4.9ft(1.5m)	210
5000(2268)	3.9ft(1.2m)	260

Line Pull And Rope Capacity In Layer

Layer	Rated Line Pull (lbs./kg)	Total Rope On Drum(ft/m)
1	5000(2268)	15.0(4.6)
2	4200(1900)	33.0(10.0)
3	3700(1670)	53.0(16.3)
4	3200(1450)	75.0(23.0)
5	2890(1310)	79.0(24.0)

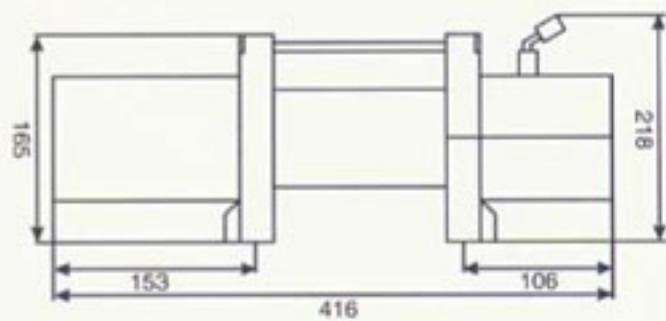




HS6000LB

6000LBS FEATURES AND SPECIFICATIONS

Max. pull strength	6000lbs (2815kg)
DC permanent magnetic motor	1.4kw
voltage	DC:12V;24V
speed	2.2m/min
steel wire rope	7.2mm x 28m
outer dimension	416x165x218mm
dimension for assembly hole	254 x 114(mm)
weight	29kg
package size	61 x 21.8 x 35(cm)





HS8000LB



8000LBS FEATURES AND SPECIFICATIONS

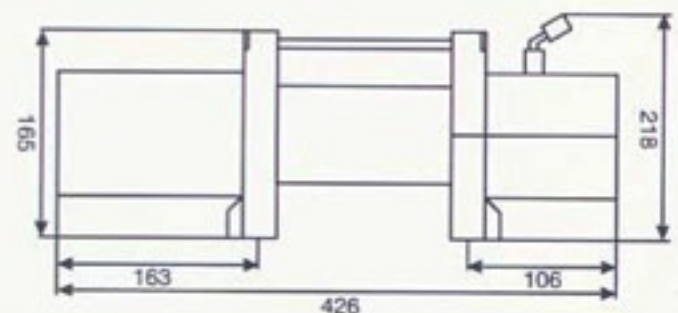
Single line rated pull	8000LB(3630kg)
Motor	5.5hp/4.0kw, Series Wound
Control	Remote switch, 12ft(3.7m)lead
Gear train	3 Stage Planetary
Gear reduction ratio	265.2:1
Clutch	Sliding Ring Gear
Braking Action	Automatic In-The-Drum
Drum size	Diameter 2.52"(64mm) Length 5.26" (134mm)
Cable	78ft of 1/3" diameter(24m of 8.1mm diameter)
Fairlead	4-Way Roller Fairlead
Remote Control	Included
Battery	Recommended:650CCA minimum for winching
Battery Leads	2 gauge,72"(1.83mm)
Finish	Black/Dark Grey
Weight	N.W.84lbs(38kg) G.W.91lbs(41kg)
Overall dimensions	(LxWxH)61x21.8x35(cm)
Mounting Bolt Pattern	10.00 ± 0.015"x4.50 ± 0.010"(254x114.3mm)

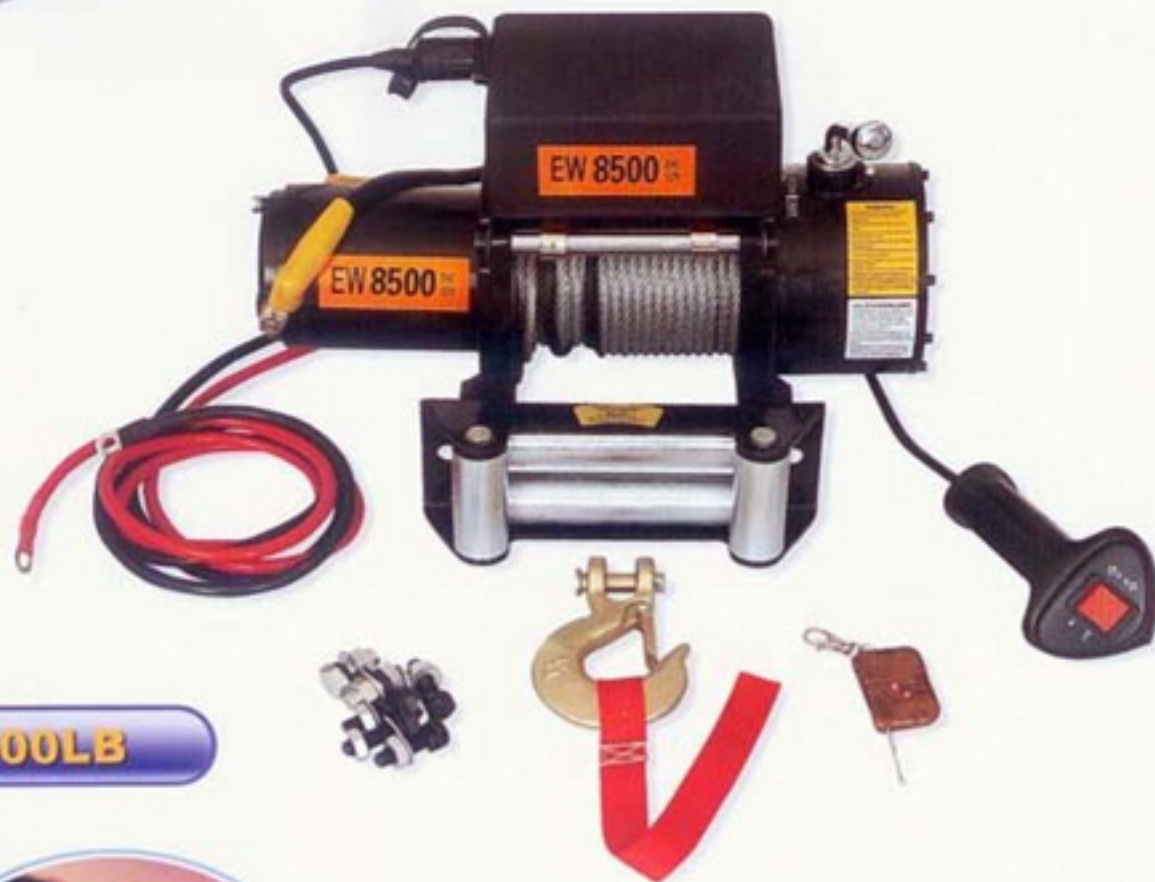
8000LBS LINE SPEED AND AMP DRAW(FIRST LAYER)

Line Pull	Lbs	NO	4000	6000	8000
	kgs	LADE	1814	2722	3629
line Speed	ft/min		22	12	9
	m/min		6.8	3.6	2.8
Motor Current	amps		80	200	270

8000LBS LINE PULL AND CABLE CAPACITY

Layer of cable		1	2	3	4
Rated line pull per layer	Lbs	8000	6540	5550	4750
	Kgs	3630	2970	2520	2160
Cumulative Cable capacity	Ft	19.6	42.6	72	78
	m	6	13	22	24




HS8500LB


8500LBS FEATURES AND SPECIFICATIONS

Single line rated pull	8500lb(3858kg)
Motor	5.5hp/4.0kw, Permanent Magnet
Control	Remote switch, 12ft(3.7m)lead
Gear train	3 Stage Planetary
Gear reduction ratio	265.2:1
Clutch	Sliding Ring Gear
Braking Action	Automatic In-The-Drum
Drum size	Diameter 2.5"(63.5mm) Length 8.8" (224mm)
Cable	78ft of 1/3" diameter(24m of 8.1mm diameter)
Fairlead	4-Way Roller Fairlead
Remote Control	Included
Battery	Recommended:650CCA minimum for winching
Battery Leads	2 gauge,72"(1.83mm)
Finish	Black/Dark Grey
Weight	N.W.84lbs(38kg) G.W. 94lbs(42.5kg)
Overall dimensions	(LxWxH)61x21.8x35(cm)
Mounting Bolt Pattern	10.00 ± 0.015"x4.50 ± 0.010"(254x114.3mm)

8500LBS LINE SPEED AND AMP DRAW(FIRST LAYER)

Line Pull	Lbs	NO	4000	6000	8000	8500
	kgs	LADE	1814	2722	3629	3856
line Speed	ft/min	22	12	9	6.5	6.2
	m/min	6.8	3.6	2.8	2.0	1.9
Motor Current	amps	80	200	270	330	380

8500LBS LINE PULL AND CABLE CAPACITY

Layer of cable		1	2	3	4
Rated line pull per layer	Lbs	8500	6900	5845	5100
	Kgs	3858	3130	2650	2310
Cumulative Cable capacity	Ft	19.6	42.6	72	78
	m	6	1.3	22	24



HS9000LB



9000LBS FEATURES AND SPECIFICATIONS

Single line rated pull	9000LB(4080kg)
Motor	5.5hp/4.0kw, Permanent Magnet
Control	Remote switch, 12ft(3.7m)lead
Gear train	3 Stage Planetary
Gear reduction ratio	265.2:1
Clutch	Sliding Ring Gear
Braking Action	Automatic In-The-Drum
Drum size	Diameter 2.5"(63.5mm) Length 8.8"(224mm)
Cable	92ft of 2/16" diameter(28m of 8.3mm diameter)
Fairlead	4-Way Roller Fairlead
Remote Control	Included
Battery	Recommended:650CCA minimum for winching
Battery Leads	2 gauge,72"(1.83mm)
Finish	Black/Dark Grey
Weight	N.W.84lbs(38kg)G.W.94lbs(42.5kg)
Overall dimensions	(LxWxH)61x21.8x35(cm)
Mounting Bolt Pattern	10.00 ± 0.015"x4.50 ± 0.010"(254x114.3mm)

9000LBS LINE SPEED AND AMP DRAW(FIRST LAYER)

Line Pull	Lbs	NO	2000	4000	6000	8000	9000
	kgs	LADE	910	1814	2720	3630	4080
line Speed	ft/min	22	15.4	11.5	9.2	7.7	7
	m/min	6.8	4.7	3.5	2.8	2.35	2.15
Motor Current	amps	80	140	220	300	360	390

9000LBS LINE PULL AND CABLE CAPACITY

Layer of cable		1	2	3	4
Rated line pull per layer	Lbs	9000	7320	6175	5340
	Kgs	4080	3320	2800	2420
Cumulative Cable capacity	Lbs	16	42	72	92
	Kgs	5	12	21	28



HS9500LB



9500LBS FEATURES AND SPECIFICATIONS

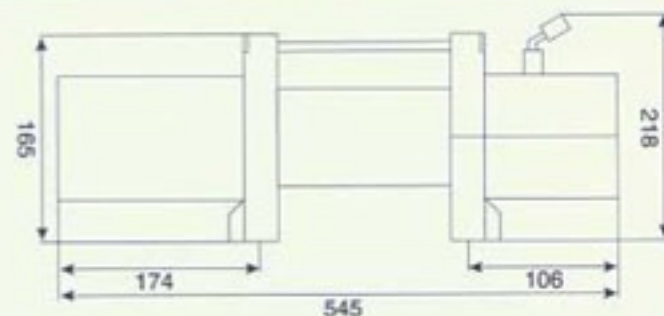
Single line rated pull	9500LB(4300kg)
Motor	5.5hp/4.0kw, Permanent Magnet
Control	Remote switch, 12ft(3.7m)lead
Gear train	3 Stage Planetary
Gear reduction ratio	265.2:1
Clutch	Sliding Ring Gear
Braking Action	Automatic In-The-Drum
Drum size	Diameter 2.5"(63.5mm) Length 8.8"(224mm)
Cable	92ft of 5/16" diameter(28m of 8.3mm diameter)
Fairlead	4-Way Roller Fairlead
Remote Control	Included
Battery	Recommended:650CCA minimum for winching
Battery Leads	2 gauge,72"(1.83mm)
Finish	Black/Dark Grey
Weight	N.W.88lbs(40kg)G.W.94lbs(42.5kg)
Overall dimensions	(LxWxH)61x21.8x35(cm)
Mounting Bolt Pattern	10.00 ± 0.015"x4.50 ± 0.010"(254x114.3mm)

9500LBS LINE SPEED AND AMP DRAW(FIRST LAYER)

Line Pull	Lbs	NO	2000	4000	6000	8000	9500
	kgs	LADE	907	1814	2722	3629	4300
line Speed	ft/min		28.2	15.4	11.5	9.2	7.7
	m/min		8.6	4.7	3.5	2.8	2.35
Motor Current	amps		80	140	220	300	360

9500LBS LINE PULL AND CABLE CAPACITY

Layer of cable		1	2	3	4
Rated line pull per layer	Lbs	9500	7700	6500	5700
	Kgs	4300	3480	2940	2580
Cumulative Cable capacity	Lbs	19.6	42.6	72	92
	Kgs	6	13	22	28



**HS8000LB****8000LBS FEATURES AND SPECIFICATIONS**

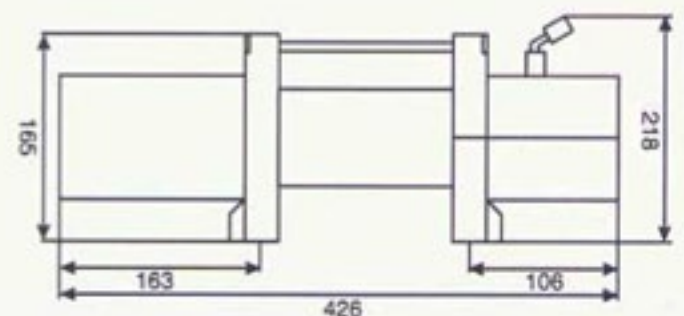
Single line rated pull	8000LB(3630kg)
Motor	5.5hp/4.0kw, Permanent Magnet
Control	Remote switch, 12ft(3.7m)lead
Gear train	3 Stage Planetary
Gear reduction ratio	265.2:1
Clutch	Sliding Ring Gear
Braking Action	Automatic In-The-Drum
Drum size	Diameter 2.52"(64mm) Length 5.26" (134mm)
Cable	78ft of 1/3" diameter(24m of 8.1mm diameter)
Fairlead	4-Way Roller Fairlead
Remote Control	Inciuded
Battery	Recommended:650CCA minimum for winching
Battery Leads	2 gauge, 72"(1.83mm)
Finish	Black/Dark Grey -
Weight	N.W.84LBS(38kg) G.W.91lbs(41kg)
Overall dimensions	(LxWxH)61x21.8x35(cm)
Mounting Bolt Pattern	10.00 ± 0.015"x4.50 ± 0.010"(254x114.3mm)

8000LBS LINE SPEED AND AMP DRAW(FIRST LAYER)

Line Pull	Lbs	NO	4000	6000	8000
	kgs	LADE	1814	2722	3629
line Speed	ft/min	22	12	9	6.5
	m/min	6.8	3.6	2.8	2.0
Motor Current	amps	80	200	270	330

8000LBS LINE PULL AND CABLE CAPACITY

Layer of cable		1	2	3	4
Rated line pull per layer	Lbs	8000	6540	5550	4750
	Kgs	3630	2970	2520	2160
Cumulative Cabje capacity	Ft	19.6	42.6	72	78
	m	6	13	22	24





HS8500LB



8500LBS FEATURES AND SPECIFICATIONS

Single line rated pull	8500LB(3858kg)
Motor	5.5hp/4.0kw, Series Wound
Control	Remote switch, 12ft(3.7m)lead
Gear train	3 Stage Planetary
Gear reduction ratio	265.2:1
Clutch	Sliding Ring Gear
Braking Action	Automatic In-The-Drum
Drum size	Diameter 2.5"(63.5mm) Length 8.8" (224mm)
Cable	78ft of 1/3" diameter(24m of 8.1mm diameter)
Fairlead	4-Way Roller Fairlead
Remote Control	Included
Battery	Recommended:650CCA minimum for winching
Battery Leads	2 gauge,72"(1.83mm)
Finish	Black/Dark Grey
Weight	N.W.84lbs(38kg) G.W.94lbs(42.5kg)
Overall dimensions	(LxWxH)61x21.8x35(cm)
Mounting Bolt Pattern	10.00 ± 0.015"x4.50 ± 0.010"(254x114.3mm)

8500LBS LINE SPEED AND AMP DRAW(FIRST LAYER)

Line Pull	Lbs	NO	4000	6000	8000	8500
	kgs	LADE	1814	2722	3629	3856
line Speed	ft/min	22	12	9	6.5	6.2
	m/min	6.8	3.6	2.8	2.0	1.9
Motor Current	amps	80	200	270	330	380

8500LBS LINE PULL AND CABLE CAPACITY

Layer of cable		1	2	3	4
Rated line pull per layer	Lbs	8500	6900	5845	5100
	Kgs	3858	3130	2650	2310
Cumulative Cable capacity	Ft	19.6	42.6	72	78
	m	6	1.3	22	24



**HS9000LB****9000LBS FEATURES AND SPECIFICATIONS**

Single line rated pull	9000LB(4080kg)
Motor	5.5hp/4.0kw, Series Wound
Control	Remote switch, 12ft(3.7m)lead
Gear train	3 Stage Planetary
Gear reduction ratio	265.2:1
Clutch	Sliding Ring Gear
Braking Action	Automatic In-The-Drum
Drum size	Diameter 2.5"(63.5mm) Length 8.8"(224mm)
Cable	92ft of 2/16" diameter(28m of 8.3mm diameter)
Fairlead	4-Way Roller Fairlead
Remote Control	Included
Battery	Recommended:650CCA minimum for winching
Battery Leads	2 gauge, 72"(1.83mm)
Finish	Black/Dark Grey
Weight	N.W.84lbs(38kg)G.W.94lbs(42.5kg)
Overall dimensions	(LxWxH)61x21.8x35(cm)
Mounting Bolt Pattern	10.00 ± 0.015"x4.50 ± 0.010"(254x114.3mm)

9000LBS LINE SPEED AND AMP DRAW(FIRST LAYER)

Line Pull	Lbs	NO	2000	4000	6000	8000	9000
	kgs	LADE	910	1814	2720	3630	4080
line Speed	ft/min	22	15.4	11.5	9.2	7.7	7
	m/min	6.8	4.7	3.5	2.8	2.35	2.15
Motor Current	amps	80	140	220	300	360	390

9000LBS LINE PULL AND CABLE CAPACITY

Layer of cable		1	2	3	4
Rated line pull per layer	Lbs	9000	7320	6175	5340
	Kgs	4080	3320	2800	2420
Cumulative Cable capacity	Lbs	16	42	72	92
	Kgs	5	12	21	28





HS9500LB



9500LBS FEATURES AND SPECIFICATIONS

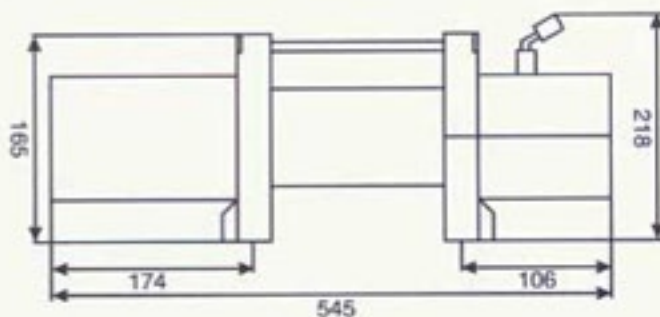
Single line rated pull	9500LB(4300kg)
Motor	5.5hp/4.0kw, Series Wound
Control	Remote switch, 12ft(3.7m)lead
Gear train	3 Stage Planetary
Gear reduction ratio	265.2:1
Clutch	Sliding Ring Gear
Braking Action	Automatic In-The-Drum
Drum size	Diameter 2.5"(63.5mm) Length 8.8"(224mm)
Cable	92ft of 5/16" diameter(28m of 8.3mm diameter)
Fairlead	4-Way Roller Fairlead
Remote Control	Included
Battery	Recommended:650CCA minimum for winching
Battery Leads	2 gauge, 72"(1.83mm)
Finish	Black/Dark Grey
Weight	N.W.88lbs(40kg) G.W.94lbs(42.5kg)
Overall dimensions	(LxWxH)61x21.8x35(cm)
Mounting Bolt Pattern	10.00 ± 0.015"x4.50 ± 0.010"(254x114.3mm)

9500LBS LINE SPEED AND AMP DRAW(FIRST LAYER)

Line Pull	Lbs	NO	2000	4000	6000	8000	9500	
	kgs	LADE	907	1814	2722	3629	4300	
line Speed	ft/min		28.2	15.4	11.5	9.2	7.7	6.8
	m/min		8.6	4.7	3.5	2.8	2.35	2.1
Motor Current	amps		80	140	220	300	360	410

9500LBS LINE PULL AND CABLE CAPACITY

Layer of cable		1	2	3	4
Rated line pull per layer	Lbs	9500	7700	6500	5700
	Kgs	4300	3480	2940	2580
Cumulative Cable capacity	Lbs	19.6	42.6	72	92
	Kgs	6	13	22	28





HS10000LB

10000LBS FEATURES AND SPECIFICATIONS

Max. pull strength	10000lbs (4532kg)
DC series excitation motor	5.5hp/4.0kw
Voltage	DC:12V;24V
Speed	1.8m/min
Steel wire rope	9.4mm x 28m
Outer dimension	550x165x218(mm)
Dimension for assembly hole	254 x 114(mm)
Weight	40kg
Package size	61 x 21.8 x 35(cm)





HS12000LB



12000LBS FEATURES AND SPECIFICATIONS

Single line rated pull	1200lbs(5443kg)
Motor	6.0hp/4.5kw Series Wound
Control	Remote switch, 12ft(3.7m)lead
Gear train	3 Stage Planetary
Gear reduction ratio	265.2:1
Clutch	Sliding Ring Gear
Braking Action	Automatic In-The-Drum
Drum size	Diameter 2.50"(64mm) Length 8.80"(224mm)
Cable	85ft of 3/8" diameter(26m of 9.5mm diameter)
Fairlead	4-Way Roller Fairlead
Remote Control	Included
Battery	Recommended:650CCA minimum for winching
Battery Leads	2 gauge,72"(1.83mm)
Finish	Black/Dark Grey
Weight	N.W.88lbs(40kg)G.W.95lbs(43kg)
Overall dimensions	(LxWxH)61x21.8x35(cm)
Mounting Bolt Pattern	10.00 ± 0.015"x4.50 ± 0.010"(254x114.3mm)

12000LBS LINE SPEED AND AMP DRAW(FIRST LAYER)

Line Pull	Lbs	NO	2000	4000	6000	8000	10000	12000
	kgs	LADE	907	1814	2722	3629	4532	5440
line Speed	ft/min	28.2	11.5	9.4	7.9	6.5	5.8	4.4
	m/min	8.6	3.5	2.85	2.4	2	1.75	1.35
Motor Current	amps	80	126	175	230	280	355	400

12000LBS LINE PULL AND CABLE CAPACITY

Layer of cable		1	2	3	4
Rated line pull per layer	Lbs	12000	9210	8030	6894
	Kgs	5440	4170	3640	3125
Cumulative Cable capacity	Lbs	17	41	71	85
	Kgs	4.8	12	21	26



Cable Tie Gun



Capstan Accessories



Capstan Accessories-2



Capstan Accessories-3

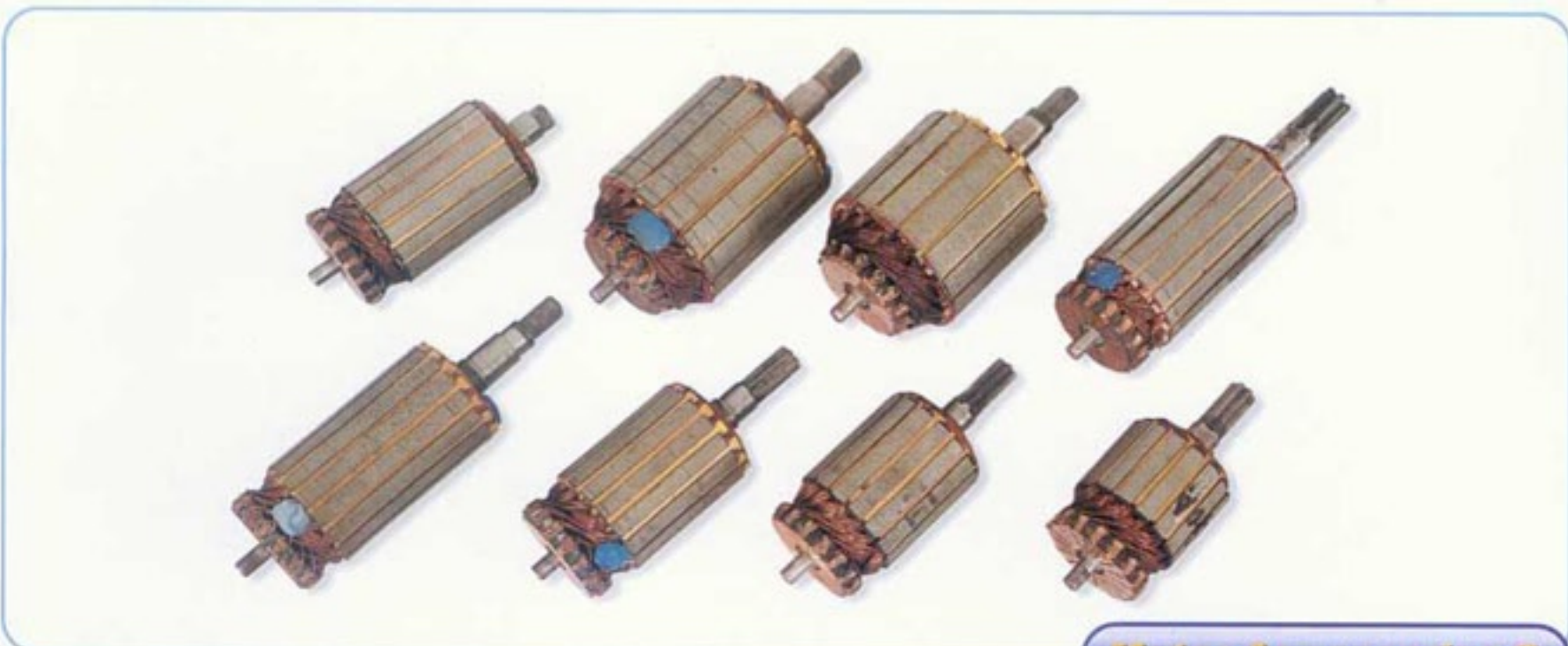




Capstan Accessories-5



Motor Accessories



Motor Accessories-2





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