

KINGONE WINCH

PRODUCTS MANUAL



- Hydraulic Winch
- Self-Recovery Winch
- Utility Duty Winch
- ATV Winch
- Electric Winch
- Heavy Duty Winch
- Winch Accessories
- Engineering Data

KINGONE WINCH

KINGONE Industrial Co., Ltd. is a specialized manufacturer of various winches.

As one of China's winch manufacturers, KINGONE winches have gained a strong reputation for superior world-class products. Accordingly, our winches have been used for a variety of purposes, including incline load pulling, vehicle recovery, recreation, commercial and military applications.

We focus our efforts on innovative R&D and strict quality control. Appropriately, we have established a professional TEST facility in order to strengthen our new product QC process and increase our competitiveness. Our KINGONE winch has been awarded CE certificate.

Therefore, if superior products, unique designs, excellent customer service and competitive prices are what you're looking for, we at KINGONE Industrial Co., Ltd. are standing by to meet your needs. Please contact us for further information.





KHD-8

LINE PULL AND LINE SPEED(1st layer of rope on the drum)
 (please use under when the max line pull is 8,000lbs,
 pressure is 175 bar and flow is 30l/min.)

SPECIFICATION

Line Pull	605kgs/1,333lbs (HIGH) 3,629kgs/8,000lbs (LOW)
Operation Pressure	175bar/2537psi
Max Oil Flow	15.9g/min(60l/min)
Gear Ratio	FREE 1:1 (HIGH) 6:1 (LOW)
Wire Rope Size	Φ9.5mmX27.4m(Φ3/8"X90')
Drum Size	Φ63.5mmX215mm(Φ2.5"X8.4")
Gear Train	Planetary
Winch Weight	27kgs/59.5lbs

Layer of Wire Rope	KHD-8							
	Max Line Pull (1:1)		Line Speed(1:1)		Max Line Pull (6:1)		Line Speed(6:1)	
	Lbs	Kgs	FPM	MPM	Lbs	Kgs	FPM	MPM
1	1,333	650	160	49	8,000	3,629	26.6	8.1
2	1,120	500	190	58	6,700	3,030	31.8	9.7
3	992	450	213	65	5,900	2,670	36	11
4	860	390	249	76	5,100	2,310	41	12.5
5	780	354	279	85	4,600	2,080	46.5	14.2

Standard Accessories

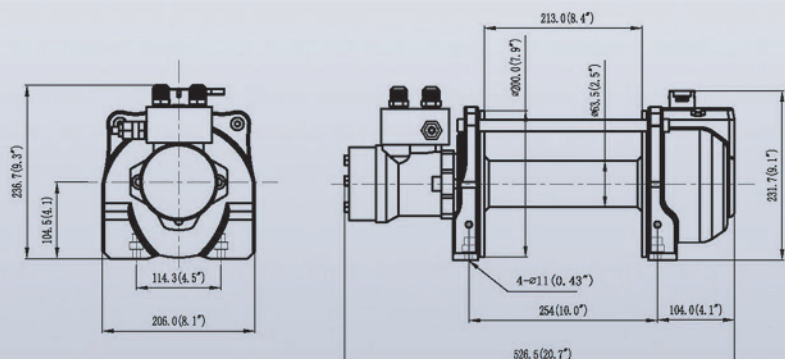
- ◇ Over Center Valve TA-0918

Optional Accessories

- ◇ High Pressure Hose TA-0929
- ◇ Coupling TA-0928
- ◇ Base Plate TA-0927
- ◇ 4 Way Roller Fairlead TA-0903
- ◇ Wire Rope TA-0102
- ◇ Hook TA-0401
- ◇ Hawse Fairlead TA-0921
- ◇ Synthetic Rope TA-1106

PACKAGE

- Winch Weight : 27kgs / 59.5lbs
- Gross Weight : 30kgs / 66lbs
- Box Dimension : 570X 245X305mm (22.4"X 9.6" X12")



FEATURES

- ◇ Smooth running over the entire speed range.
- ◇ Highly efficient, constant operating torque motor.
- ◇ Rotating ring gear freespooling clutch is a pull and turn design for rapid wire rope payout.
- ◇ Freespooling. Power in/out. Mechanical lock.
- ◇ Stainless steel tie bars . Reversible mounting.



Variable Hydraulic Winch >>KHD-8/ KHD-10



KHD-10

SPECIFICATION

Line Pull	756kgs/1, 667lbs (HIGH) 4,535kgs/10,000lbs (LOW)
Operation Pressure	175bar/2537psi
Max Oil Flow	15.9g/min(60l/min)
Gear Ratio	FREE 1:1 (HIGH) 6:1 (LOW)
Wire Rope Size	Φ9.5mmX27.4m(Φ3/8"X90')
Drum Size	Φ63.5mmX215mm(Φ2.5"X8.4")
Gear Train	Planetary
Winch Weight	27.5kgs/60.6lbs

LINE PULL AND LINE SPEED (1st layer of rope on the drum)
 (please use under when the max line pull is 10,000lbs,
 pressure is 175 bar and flow is 30l/min.)

Layer of Wire Rope	KHD-10							
	Max Line Pull (1:1)		Line Speed(1:1)		Max Line Pull (6:1)		Line Speed(6:1)	
	Lbs	Kgs	FPM	MPM	Lbs	Kgs	FPM	MPM
1	1,667	756	134,5	41	10,000	4,535	21,3	6,5
2	1,389	630	161	49	8,320	3,770	26,2	8
3	1,212	550	183,7	56	7,120	3,330	30,5	9,3
4	1,058	480	209	64	6,200	2,812	36,1	11
5	922	450	223	68	5,500	2,490	37	11,3

Standard Accessories

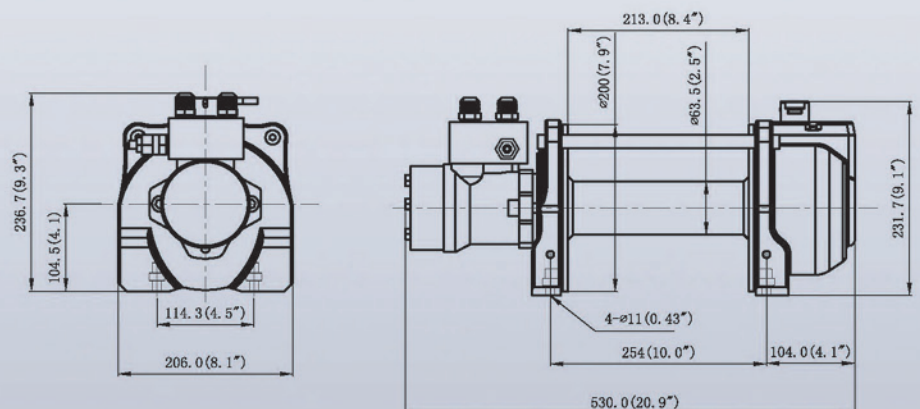
- ◇ Over Center Valve TA-0918

Optional Accessories

- ◇ High Pressure Hose TA-0929
- ◇ Coupling TA-0928
- ◇ Base Plate TA-0927
- ◇ 4 Way Roller Fairlead TA-0903
- ◇ Wire Rope TA-0102
- ◇ Hook TA-0401
- ◇ Hawse Fairlead TA-0921
- ◇ Synthetic Rope TA-1107

PACKAGE

Winch Weight : 27.5kgs / 60.6 lbs
 Gross Weight : 31 kgs /68lbs
 Box Dimension : 570X245X305mm (22.4"X 9.6" X12")



FEATURES

- ◇ Heavy duty series wound motor delivers superior torque output and faster line speed.
- ◇ 3 stage planetary gearbox delivers the most reliable and durable performance of winch under the worst condition.
- ◇ Automatic, double cone brake.
- ◇ Rotating ring gear clutch have the freespooling positioned actually for the rapid payout of wire rope with ease.
- ◇ Installation, operation and maintenance with ease.



TDS-20.0



SPECIFICATION

Model	TDS-20.0
Working Load	20,000 lbs (9,072kgs)
Wire Rope Size	Φ15/32" X 83'
Motor	12V/6.2HP 24V/4.0HP
Gear Ratio	315:1

LINE PULL

TDS-20.0		
Layer of Wire Rope	Max Line Pull	
	Lbs	Kgs
1	20,000	9,072
2	15,380	6,976
3	13,100	5,942
4	11,300	5,125

LINE SPEED AND AMP DRAW (1st layer of rope on the drum)

TDS-20.0					
Load		Line Speed		AMP Draw	
Lbs	Kgs	FPM	MPM	12V	24V
No Load					
2,000	907	26.2	8.0	60	30
4,000	1,814	23.3	4.2	100	60
6,000	2,721	10.5	3.19	125	85
8,000	3,628	9.2	2.8	155	110
10,000	4,536	8.2	2.5	180	130
12,500	5,670	6.6	2.0	215	155
14,000	6,350	6.3	1.92	250	165
16,500	7,484	5.9	1.79	270	175
18,000	8,165	5.5	1.67	290	190
19,000	8,618	4.6	1.41	320	220
20,000	9,072	3.8	1.16	340	240
20,000	9,072	3.2	0.97	360	270

STANDARD ACCESSORIES

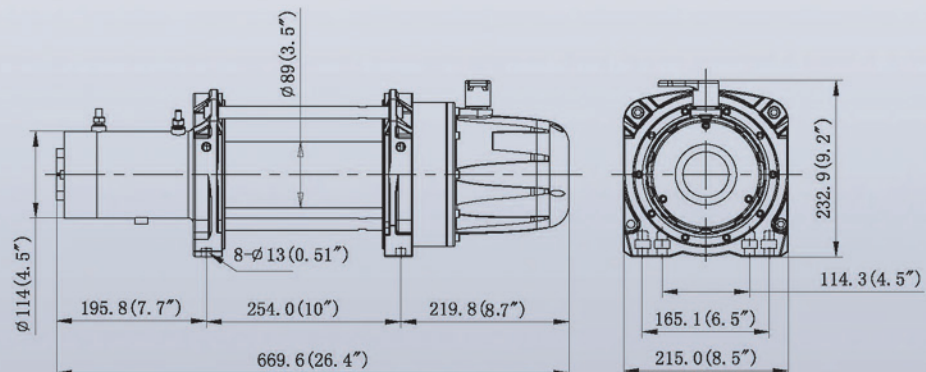
- ◇ Remote Controller TA-0906
- ◇ Control Unit TA-0912
- ◇ Mounting Hardware
- ◇ Handsaver Strap

OPTIONAL ACCESSORIES

- ◇ Wire Rope TA-0112
- ◇ Hook TA-0405
- ◇ 4 Way Roller Fairlead TA-0903

PACKAGE

Winch Weight : 42kgs / 92.8 lbs
 Gross Weight : 51 kgs / 112.4 lbs
 Box Dimension : 710 X 255 X 450 mm (28"X 10" X 17.7")



FEATURES

- ◇ Heavy duty series wound motor delivers superior torque output and faster line speed.
- ◇ 3 stage planetary gearbox delivers the most reliable and durable performance of winch under the worst condition.
- ◇ Automatic, double cone brake.
- ◇ Rotating ring gear clutch have the freespooling positioned actually for the rapid payout of wire rope with ease.
- ◇ Installation, operation and maintenance with ease.



TDS-20.0C



LINE SPEED AND AMP DRAW (1st layer of rope on the drum)

		TDS-20.0C			
Load		Line Speed		AMP Draw	
Lbs	Kgs	FPM	MPM	12V	24V
No Load		26.2	8.0	60	30
2,000	907	23.3	4.2	100	60
4,000	1,814	10.5	3.19	125	85
6,000	2,721	9.2	2.8	155	110
8,000	3,628	8.2	2.5	180	130
10,000	4,536	6.6	2.0	215	155
12,500	5,670	6.3	1.92	250	165
14,000	6,350	5.9	1.79	270	175
16,500	7,484	5.5	1.67	290	190
18,000	8,165	4.6	1.41	320	220
19,000	8,618	3.8	1.16	340	240
20,000	9,072	3.2	0.97	360	270

SPECIFICATION

Model	TDS-20.0C
Working Load	20,000 lbs (9,072kgs)
Wire Rope Size	Φ15/32" X 83'
Motor	12V/6.2 HP 24V/4.0HP
Gear Ratio	315:1

LINE PULL

TDS-20.0C		
Layer of Wire Rope	Max Line Pull	
	Lbs	Kgs
1	20,000	9,072
2	15,380	6,976
3	13,100	5,942
4	11,300	5,125

STANDARD ACCESSORIES

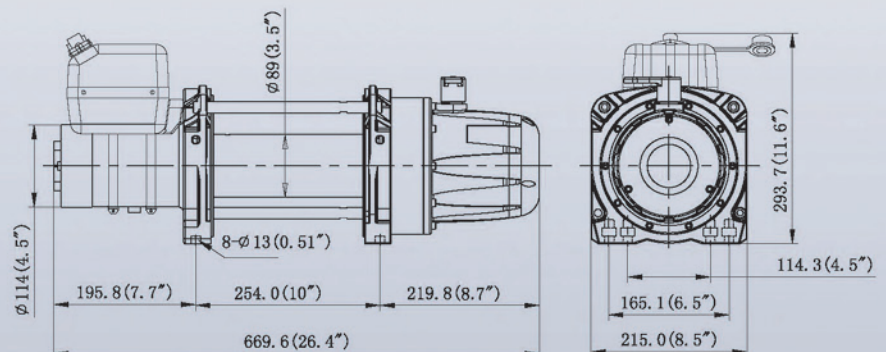
- ◇ Remote Controller TA-0906
- ◇ Control Unit TA-0912
- ◇ Mounting Hardware
- ◇ Handsaver Strap

OPTIONAL ACCESSORIES

- ◇ Wire Rope TA-0112
- ◇ Hook TA-0405
- ◇ 4 Way Roller Fairlead TA-0903

PACKAGE

Winch Weight : 43kgs /95 lbs
 Gross Weight : 50kgs /110.2 lbs
 Box Dimension : 710 X 270 X 420 mm (28" X 10.6" X 16.5")



FEATURES

- ◇ Heavy duty series wound motor delivers superior torque output and faster line speed.
- ◇ 3 stage planetary gearbox delivers the most reliable and durable performance of winch under the worst condition.
- ◇ Automatic, double cone brake.
- ◇ Rotating ring gear clutch have the freespooling positioned actually for the rapid payout of wire rope with ease.
- ◇ Installation, operation and maintenance with ease.



TDS-13.0C/16.5C

SPECIFICATION

Line Pull	5,897kgs/13,000lbs	7,485kgs/16,500lbs
Motor	12V/5.6HP 24V/3.0HP	12V/6.0HP 24V/3.6HP
Gear Train	Three stage	Three stage
Gear Ratio	261:1	315:1
Freespooling Clutch	Rotating ring gear	Rotating ring gear
Wire Rope Size	Φ3/8"X90' (Φ9.5mmX27m)	Φ7/16"X90' (Φ11mmX27m)
Wire Rope Type	Aircraft A7X19	Aircraft A7X19
Drum Size	Φ3.5"X8.1"(Φ89mmX206mm)	Φ3.5"X8.1"(Φ89mmX206mm)

LINE PULL

TDS-13.0C			TDS-16.5C		
Layer of Wire Rope	Max Line Pull		Layer of Wire Rope	Max Line Pull	
	Lbs	Kgs		Lbs	Kgs
1	13,000	5,897	1	16,500	7,485
2	10,475	4,752	2	12,292	5,576
3	9,017	4,091	3	10,413	4,724
4	7,915	3,590	4	9,033	4,097
5	7,100	3,220			



LINE SPEED AND AMP DRAW (1st layer of rope on the drum)

Load		TDS-13.0C				TDS-16.5C			
		Line Speed		AMP Draw		Line Speed		AMP Draw	
Lbs	Kgs	FPM	MPM	12V	24V	FPM	MPM	12V	24V
No Load		24	7.3	55	49	18	5.5	65	49
6,000	2,722	6.6	2.0	210	172	6.3	1.9	190	95
10,000	4,536	4.0	1.2	290	260	4.0	1.2	255	195
13,000	5,897	2.6	0.8	350	310	3.4	1.0	330	220
14,500	6,350	—	—	—	—	2.9	0.9	380	260
16,500	7,484	—	—	—	—	2.1	0.6	440	380

STANDARD ACCESSORIES

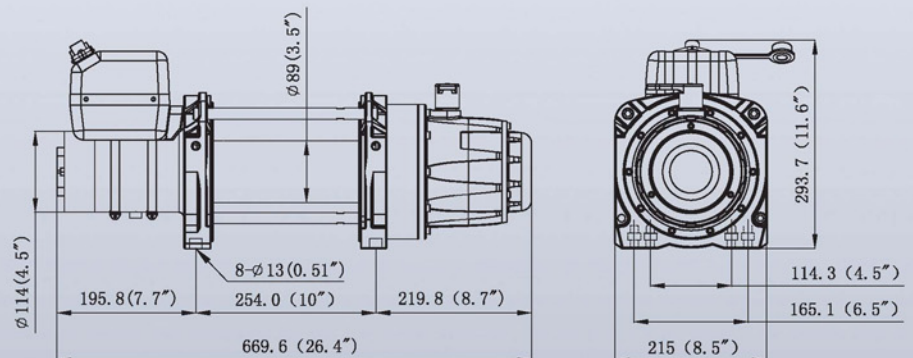
- ◇ Remote Controller TA-0906
- ◇ Control Unit TA-0912
- ◇ Mounting Hardware
- ◇ Handsaver Strap

OPTIONAL ACCESSORIES

- ◇ Wire Rope TA-0111
- ◇ Hook TA-0402
- ◇ 4 Way Roller Fairlead TA-0903

PACKAGE

Winch Weight : 42 kgs / 92.5 lbs
 Gross Weight : 48kgs /105.8 lbs
 Box Dimension : 710 X 270X 420 mm (28" X 10.6" X16.5")



FEATURES

- ◇ Heavy duty series wound motor delivers superior torque output and faster line speed.
- ◇ 3 stage planetary gearbox delivers the most reliable and durable performance of winch under the worst condition.
- ◇ Automatic ,double cone brake.
- ◇ Rotating ring gear clutch have the freespooling positioned actually for the rapid payout of wire rope with ease.
- ◇ Installation,operation and maintenance with ease.



TDS-13.0/16.5

SPECIFICATION

Line Pull	5,897kgs/13,000lbs	7,485kgs/16,500lbs
Motor	12V/5.6HP 24V/3.0HP	12V/6.0HP 24V/3.6HP
Gear Train	Three stage	Three stage
Gear Ratio	261:1	315:1
Freespooling Clutch	Rotating ring gear	Rotating ring gear
Wire Rope Size	Φ3/8"X90' (Φ9.5mmX27m)	Φ7/16"X90' (Φ11mmX27m)
Wire Rope Type	Aircraft A7X19	Aircraft A7X19
Drum Size	Φ3.5"X8.1"(Φ89mmX206mm)	Φ3.5"X8.1"(Φ89mmX206mm)

LINE PULL

TDS-13.0			TDS-16.5		
Layer of Wire Rope	Max Line Pull		Layer of Wire Rope	Max Line Pull	
	Lbs	Kgs		Lbs	Kgs
1	13,000	5,897	1	16,500	7,485
2	10,475	4,752	2	12,292	5,576
3	9,017	4,091	3	10,413	4,724
4	7,915	3,590	4	9,033	4,097
5	7,100	3,220			

LINE SPEED AND AMP DRAW (1st layer of rope on the drum)

Load		TDS-13.0				TDS-16.5			
		Line Speed		AMP Draw		Line Speed		AMP Draw	
Lbs	Kgs	FPM	MPM	12V	24V	FPM	MPM	12V	24V
No Load		24	7.3	55	49	18	5.5	65	49
6,000	2,722	6.6	2.0	210	172	6.3	1.9	190	95
10,000	4,536	4.0	1.2	290	260	4.0	1.2	255	195
13,000	5,897	2.6	0.8	350	310	3.4	1.0	330	220
14,500	6,350	—	—	—	—	2.9	0.9	380	260
16,500	7,484	—	—	—	—	2.1	0.6	440	380



STANDARD ACCESSORIES

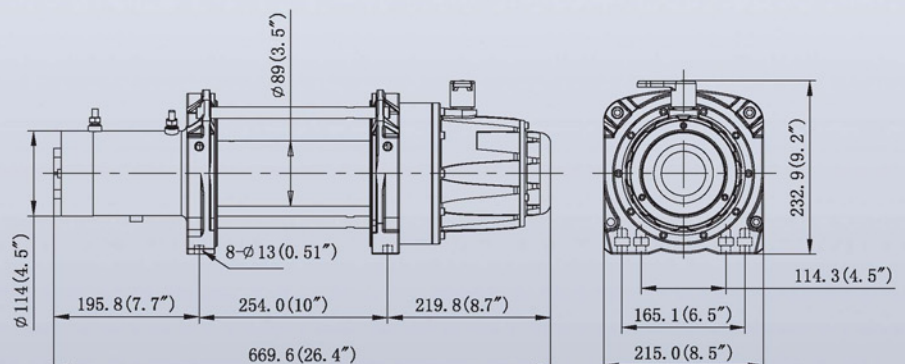
- ◇ Remote Controller TA-0906
- ◇ Control Unit TA-0911
- ◇ Mounting Hardware
- ◇ Handsaver Strap

OPTIONAL ACCESSORIES

- ◇ Wire Rope TA-0111
- ◇ Hook TA-0402
- ◇ 4 Way Roller Fairlead TA-0903

PACKAGE

Winch Weight : 40kgs / 88 lbs
 Gross Weight : 49 kgs / 108 lbs
 Box Dimension : 710 × 255 × 450 mm (28"× 10" × 17.7")



KINGONE WINCH

PRODUCTS MANUAL





FEATURES

- ◇ Heavy duty series wound motor delivers superior torque output and faster line speed.
- ◇ 3 stage planetary gearbox delivers the most reliable and durable performance of winch under the worst condition.
- ◇ Braking by flanges transmission.
- ◇ Rotating ring gear clutch have the freespooling positioned actually for the rapid payout of wire rope with ease.
- ◇ Installation , operation and maintenance with ease.
- ◇ Its total length is 520mm(20.5") .



KDS winch >> KDS-8.0

SPECIFICATION

Line Pull	3,629kgs/8,000lbs	
Motor	12V/4.6HP	24V/2.8HP
Gear Train	Three stage	
Gear Ratio	173:1	
Brake	Flanges brake	
Freespooling Clutch	Rotating ring gear	
Wire Rope Size	Φ8.3mmX24.3m(Φ5/16"X80')	
Wire Rope Type	Aircraft A7X19	
Drum Size	Φ63.5mmX229mm(Φ2.5"X9")	

LINE SPEED AND AMP DRAW (1st layer of rope on the drum)

		KDS -8.0		
Load		Line Speed		AMP Draw
Lbs	Kgs	FPM	MPM	12V
No Load		46	14	65
2,000	907	14.8	4.5	120
4,000	1,814	11.5	3.5	190
6,000	2,721	6.5	2.0	270
8,000	3,629	5.9	1.8	380

LINE PULL

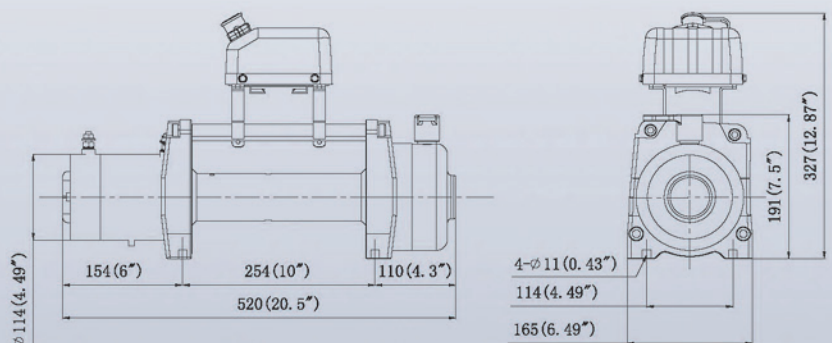
KDS-8.0		
Layer of Wire Rope	Max Line pull	
	Lbs	Kgs
1	8,000	3,629
2	6,557	2,974
3	5,510	2,499
4	4,790	2,173

STANDARD ACCESSORIES

- ◇ Remote Controller TA-0906
- ◇ Wire Rope With Hook TA-0903
- ◇ 4 Way Roller Fairlead TA-0909
- ◇ Control Unit
- ◇ Mounting Hardware
- ◇ Handsaver Strap

PACKAGE

Winch Weight : 39kgs / 85.8lbs
 Gross Weight : 42kgs / 90lbs
 Box Dimension : 560X 198X405 mm (22" X7.8"X16")





FEATURES

- ◇ Heavy duty series wound motor delivers superior torque output and faster line speed.
- ◇ 3 stage planetary gearbox delivers the most reliable and durable performance of winch under the worst condition.
- ◇ Braking by flanges transmission.
- ◇ Rotating ring gear clutch have the freespooling positioned actually for the rapid payout of wire rope with ease.
- ◇ Installation , operation and maintenance with ease.
- ◇ Its total length is 520mm(20.5") .



KDS winch >> KDS-9.0

SPECIFICATION

Line Pull	4,083kgs/9,000lbs	
Motor	12V/4.8HP	24V/2.8HP
Gear Train	Three stage	
Gear Ratio	254:1	
Brake	Flanges brake	
Freespooling Clutch	Rotating ring gear	
Wire Rope Size	Φ8.3mmX30m(Φ5/16"X100')	
Wire Rope Type	Aircraft A7X19	
Drum Size	Φ63.5mmX229mm(Φ2.5"X9")	

LINE SPEED AND AMP DRAW (1st layer of rope on the drum)

		KDS-9.0		
Load		Line Speed		AMP Draw
Lbs	Kgs	FPM	MPM	12V
No Load		34	10.1	65
2,000	907	20	6.1	130
4,000	1,814	17	5.2	200
6,000	2,721	13	4.0	320
9,000	3,629	6.5	2.0	400

LINE PULL

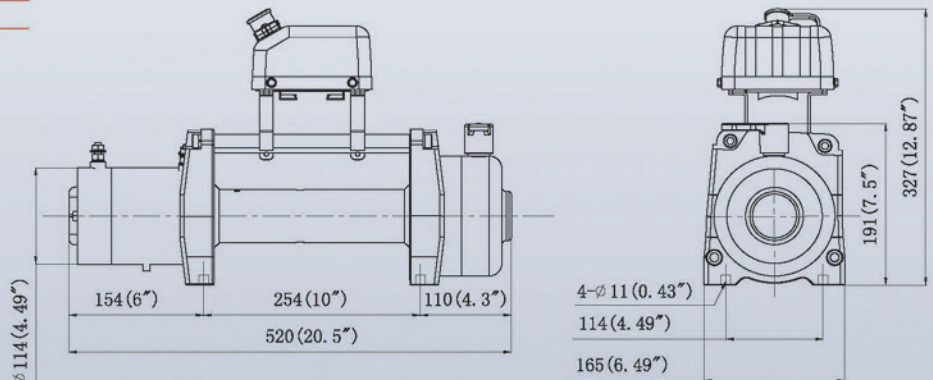
KDS-9.0		
Layer of Wire Rope	Max Line Pull	
	Lbs	Kgs
1	9,000	4,083
2	7,370	3,342
3	6,230	2,825
4	5,390	2,447

STANDARD ACCESSORIES

- ◇ Remote Controller TA-0906
- ◇ Wire Rope With Hook TA-0903
- ◇ 4 Way Roller Fairlead TA-0909
- ◇ Control Unit TA-0909
- ◇ Mounting Hardware
- ◇ Handsaver Strap

PACKAGE

Winch Weight : 39 kgs / 85.8 lbs
 Gross Weight : 42kgs / 90 lbs
 Box Dimension : 560 X 198 X 405 mm (22" X 7.8" X 16")





FEATURES

- ◇ Heavy duty series wound motor delivers superior torque output and faster line speed.
- ◇ 3 stage planetary gearbox delivers the most reliable and durable performance of winch under the worst condition.
- ◇ Braking by flanges transmission.
- ◇ Rotating ring gear clutch have the freespooling positioned actually for the rapid payout of wire rope with ease.
- ◇ Installation , operation and maintenance with ease.
- ◇ Its total length is 544mm(21.4") .

KDS winch >> KDS-10.0

SPECIFICATION

Line Pull	4,536kgs/10,000lbs	
Motor	12V/5.0HP	24V /3.2HP
Gear Train	Three stage	
Gear Ratio	173:1	
Brake	Flanges brake	
Freespooling Clutch	Rotating ring gear	
Wire Rope Size	Φ8.7mmX30m(Φ11/32"X100')	
Wire Rope Type	Aircraft A 7X19	
Drum Size	Φ63.5mmX229mm(Φ2.5"X9")	

LINE SPEED AND AMP DRAW (1st layer of rope on the drum)

		KDS-10.0			
Load		Line Speed		AMP Draw	
Lbs	Kgs	FPM	MPM	12V	24V
No Load		47.5	14.5	60	40
2,000	907	14	4.3	150	110
4,000	1,814	12	3.6	181	158
6,000	2,722	10	3.0	250	190
8,000	3,650	8.2	2.5	300	230
10,000	4,536	7	2.1	350	270



LINE PULL

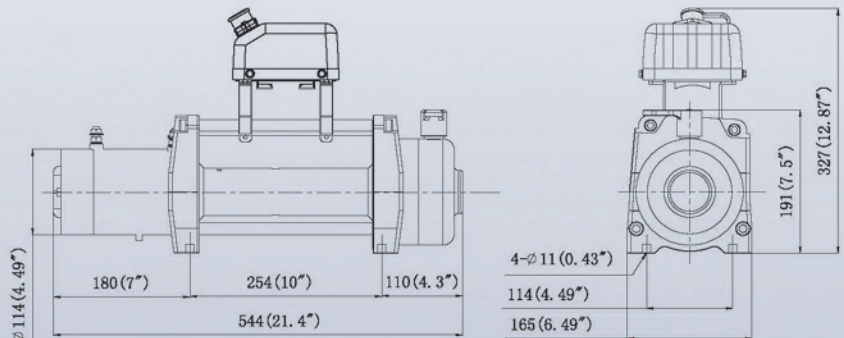
KDS-10.0		
Layer of Wire Rope	Max Line Pull	
	Lbs	Kgs
1	10,000	4,536
2	8,196	3,718
3	6,888	3,124
4	5,990	2,717

STANDARD ACCESSORIES

- ◇ Remote Controller TA-0906
- ◇ Wire Rope With Hook TA-0903
- ◇ 4 Way Roller Fairlead TA-0909
- ◇ Control Unit TA-0909
- ◇ Mounting Hardware
- ◇ Handsaver Strap

PACKAGE

Winch Weight : 40kgs /88lbs
 Gross Weight : 43 kgs /95 lbs
 Box Dimension : 580X 198X450 mm (22.8" X 7.8" X17.7")





FEATURES

- ◇ Heavy duty series wound motor delivers superior torque output and faster line speed.
- ◇ 3 stage planetary gearbox delivers the most reliable and durable performance of winch under the worst condition.
- ◇ Braking by flanges transmission.
- ◇ Rotating ring gear clutch have the freespooling positioned actually for the rapid payout of wire rope with ease.
- ◇ Installation , operation and maintenance with ease.
- ◇ Its total length is 544mm(21.4") .



KDS winch >> KDS-10.0C

SPECIFICATION

Line Pull	4,536kgs/10,000lbs
Motor	12V/5.0HP24V /3.2HP
Gear Train	Three stage
Gear Ratio	173:1
Brake	Flanges brake
Freespooling Clutch	Rotating ring gear
Wire Rope Size	Φ8.7mmX30m(Φ11/32"X100')
Wire Rope Type	Aircraft A 7X19
Drum Size	Φ63.5mmX229mm(Φ2.5"X9")

LINE SPEED AND AMP DRAW (1st layer of rope on the drum)

		KDS-10.0C			
Load		Line Speed		AMP Draw	
Lbs	Kgs	FPM	MPM	12V	24V
No Load		47.5	14.5	60	40
2,000	907	14	4.3	150	110
4,000	1,814	12	3.6	181	158
6,000	2,722	10	3.0	250	190
8,000	3,650	8.2	2.5	300	230
10,000	4,536	7	2.1	350	270

LINE PULL

KDS-10.0C		
Layer of Wire Rope	Max Line Pull	
	Lbs	Kgs
1	10,000	4,536
2	8,196	3,718
3	6,888	3,124
4	5,990	2,717

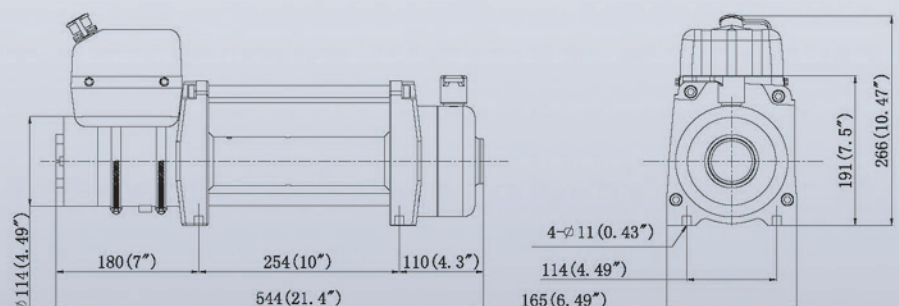


STANDARD ACCESSORIES

- ◇ Remote Controller TA-0906
- ◇ Wire Rope With Hook TA-0903
- ◇ 4 Way Roller Fairlead TA-0909
- ◇ Control Unit TA-0909
- ◇ Mounting Hardware
- ◇ Handsaver Strap

PACKAGE

Winch Weight : 40kgs /88lbs
 Gross Weight : 43 kgs /95 lbs
 Box Dimension : 580X198X450 mm (22.8" X7.8" X17.7")





FEATURES

- ◇ Heavy duty series wound motor delivers superior torque output and faster line speed.
- ◇ 3 stage planetary gearbox delivers the most reliable and durable performance of winch under the worst condition.
- ◇ Braking by flanges transmission.
- ◇ Rotating ring gear clutch have the freespooling positioned actually for the rapid payout of wire rope with ease.
- ◇ Installation , operation and maintenance with ease.
- ◇ Its total length is 544mm(21.4") .



KDS winch >> KDS-10.0i

SPECIFICATION

Line Pull	4,536kgs/10,000lbs	
Motor	12V/5.0HP	24V /3.2HP
Gear Train	Three stage	
Gear Ratio	173:1	
Brake	Flanges brake	
Freespooling Clutch	Rotating ring gear	
Wire Rope Size	Φ8.7mmX30m(Φ11/32"X100')	
Wire Rope Type	Aircraft A7X19	
Drum Size	Φ63.5mmX229mm(Φ2.5"X9")	

LINE SPEED AND AMP DRAW (1st layer of rope on the drum)

		KDS-10.0i			
Load		Line Speed		AMP Draw	
Lbs	Kgs	FPM	MPM	12V	24V
No Load		47.5	14.5	60	40
2,000	907	14	4.3	150	110
4,000	1,814	12	3.6	181	158
6,000	2,722	10	3.0	250	190
8,000	3,650	8.2	2.5	300	230
10,000	4,536	7	2.1	350	270



LINE PULL

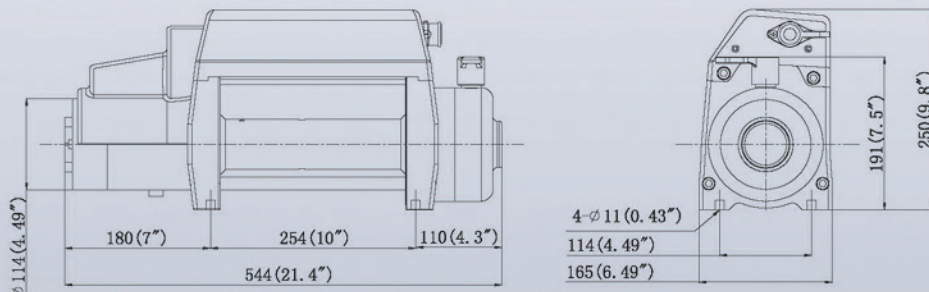
KDS-10.0i		
Layer of Wire Rope	Max Line Pull	
	Lbs	Kgs
1	10,000	4,536
2	8,196	3,718
3	6,888	3,124
4	5,990	2,717

STANDARD ACCESSORIES

- ◇ Remote Controller TA-0906
- ◇ Wire Rope With Hook TA-0903
- ◇ 4 Way Roller Fairlead TA-0909
- ◇ Control Unit TA-0909
- ◇ Mounting Hardware
- ◇ Handsaver Strap

PACKAGE

Winch Weight : 43kgs /94.8 lbs
 Gross Weight : 46kgs/101.4lbs
 Box Dimension : 580X198 X420 mm (22.8"X7.8"X16.5")



FEATURES

- ◇ Heavy duty series wound motor delivers superior torque output and faster line speed.
- ◇ 3 stage planetary gearbox delivers the most reliable and durable performance of winch under the worst condition.
- ◇ Braking by flanges transmission.
- ◇ Rotating ring gear clutch have the freespooling positioned actually for the rapid payout of wire rope with ease.
- ◇ Installation , operation and maintenance with ease.
- ◇ Its total length is 544mm(21.4") .



KDS winch >> KDS-12.0C



SPECIFICATION

Line Pull	5,442kgs/12,000lbs	
Motor	12V/6.0HP	24V /3.6HP
Gear Train	Three stage	
Gear Ratio	254:1	
Brake	Flanges brake	
Freespooling Clutch	Rotating ring gear	
Wire Rope Size	Φ8.7mmX27m(Φ3/8"X90')	
Wire Rope Type	Aircraft A7X19	
Drum Size	Φ63.5mmX229mm(Φ2.5X9")	

LINE SPEED AND AMP DRAW (1st layer of rope on the drum)

		KDS-12.0C			
Load		Line Speed		AMP Draw	
Lbs	Kgs	FPM	MPM	12V	24V
No Load		29.3	9	60	40
2,000	907	13	4	116	87
4,000	1,814	9.8	3.0	141	110
6,000	2,722	7.9	2.4	178	129
8,000	3,650	6.9	2.1	224	165
9,500	4,309	6.2	1.9	238	185
11,000	5,000	4.9	1.5	270	214
12,000	5,442	4.5	1.4	285	217

LINE PULL

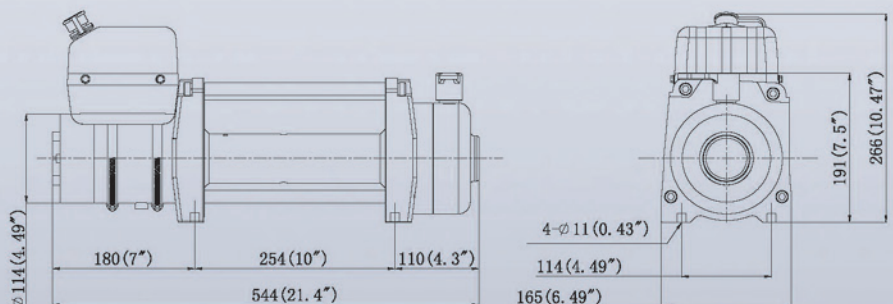
KDS-12.0C		
Layer of Wire Rope	Max Line Pull	
	Lbs	Kgs
1	12,000	5,442
2	9,789	4,445
3	8,273	3,760
4	7,199	3,255

STANDARD ACCESSORIES

- ◇ Remote Controller TA-0906
- ◇ Wire Rope With Hook TA-0903
- ◇ 4 Way Roller Fairlead TA-0909
- ◇ Control Unit TA-0909
- ◇ Mounting Hardware
- ◇ Handsaver Strap

PACKAGE

Winch Weight : 40 kgs / 88lbs
 Gross Weight : 43 kgs /95 lbs
 Box Dimension : 580X198X450mm (22.8"X 7.8"X17.7")



FEATURES

- ◇ Heavy duty series wound motor delivers superior torque output and faster line speed.
- ◇ 3 stage planetary gearbox delivers the most reliable and durable performance of winch under the worst condition.
- ◇ Braking by flanges transmission.
- ◇ Rotating ring gear clutch have the freespooling positioned actually for the rapid payout of wire rope with ease.
- ◇ Installation , operation and maintenance with ease.
- ◇ Its total length is 544mm(21.4") .



KDS winch >> KDS-12.0i



SPECIFICATION

Line Pull	5,442kgs/12,000lbs	
Motor	12V/6.0HP	24V /3.6HP
Gear Train	Three stage	
Gear Ratio	254:1	
Brake	Flanges brake	
Freespooling Clutch	Rotating ring gear	
Wire Rope Size	Φ9.5X27m(Φ3/8"X90')	
Wire Rope Type	Aircraft A 7X19	
Drum Size	Φ63.5mmX229mm(Φ2.5"X9")	

LINE SPEED AND AMP DRAW (1st layer of rope on the drum)

		KDS-12.0i			
		Line Speed		AMP Draw	
Load		FPM	MPM	12V	24V
No Load		29.3	9	60	40
2,000	907	13	4	116	87
4,000	1,814	9.8	3.0	141	110
6,000	2,722	7.9	2.4	178	129
8,000	3,650	6.9	2.1	224	165
9,500	4,309	6.2	1.9	238	185
11,000	5,000	4.9	1.5	270	214
12,000	5,442	4.5	1.4	285	217

LINE PULL

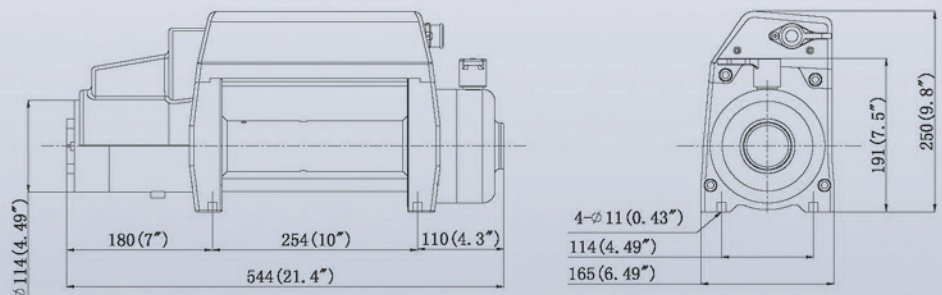
KDS-12.0i		
Layer of Wire Rope	Max Line Pull	
	Lbs	Kgs
1	12,000	5,442
2	9,789	4,445
3	8,273	3,760
4	7,199	3,255

STANDARD ACCESSORIES

- ◇ Remote Controller TA-0906
- ◇ Wire Rope With Hook TA-0903
- ◇ 4 Way Roller Fairlead TA-0909
- ◇ Control Unit TA-0909
- ◇ Mounting Hardware
- ◇ Handsaver Strap

PACKAGE

Winch Weight : 43 kgs /94.8 lbs
 Gross Weight : 46kgs /101.4lbs
 Box Dimension : 580X198X420 mm (22.8" X 7.8" X16.5")





FEATURES

- ◇ Heavy duty series wound motor delivers superior torque output and faster line speed.
- ◇ 3 stage planetary gearbox delivers the most reliable and durable performance of winch under the worst condition.
- ◇ Braking by flanges transmission.
- ◇ Rotating ring gear clutch have the freespooling positioned actually for the rapid payout of wire rope with ease.
- ◇ Installation , operation and maintenance with ease.
- ◇ Its total length is 544mm(21.4") .



KDS winch >> KDS-12.0

SPECIFICATION

Line Pull	5,442kgs/12,000lbs	
Motor	12V/6.0HP	24V /3.6HP
Gear Train	Three stage	
Gear Ratio	254:1	
Brake	Flanges brake	
Freespooling Clutch	Rotating ring gear	
Wire Rope Size	Φ9.5X27.4m(Φ3/8"X90')	
Wire Rope Type	Aircraft A 7X19	
Drum Size	Φ63.5mmX229mm(Φ2.5"X9")	

LINE SPEED AND AMP DRAW (1st layer of rope on the drum)

Load		KDS-12.0			
		Line Speed		AMP Draw	
Lbs	Kgs	FPM	MPM	12V	24V
No Load		29.3	9	60	40
2,000	907	13	4	116	87
4,000	1,814	9.8	3.0	141	110
6,000	2,722	7.9	2.4	178	129
8,000	3,650	6.9	2.1	224	165
9,500	4,309	6.2	1.9	238	185
11,000	5,000	4.9	1.5	270	214
12,000	5,442	4.5	1.4	285	217

LINE PULL

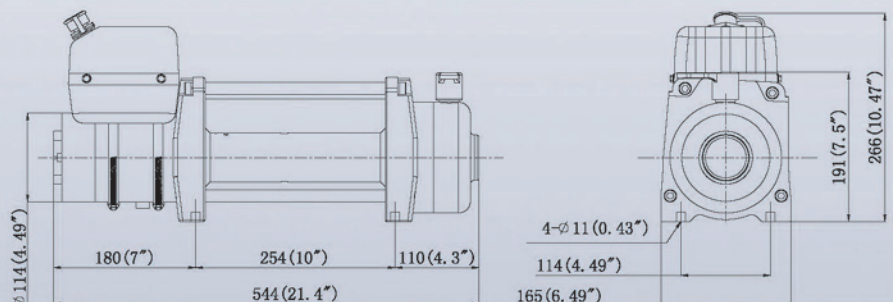
KDS-12.0		
Layer of Wire Rope	Max Line Pull	
	Lbs	Kgs
1	12,000	5,442
2	9,789	4,445
3	8,273	3,760
4	7,199	3,255

STANDARD ACCESSORIES

- ◇ Remote Controller TA-0906
- ◇ Wire Rope With Hook TA-0903
- ◇ 4 Way Roller Fairlead TA-0909
- ◇ Control Unit TA-0909
- ◇ Mounting Hardware
- ◇ Handsaver Strap

PACKAGE

Winch Weight : 40 kgs / 88lbs
 Gross Weight : 43kgs / 95lbs
 Box Dimension : 580X198X405mm (22.8" X7.8"X16")



STEEP INCLINE

[Http://www.kingonewinch.com](http://www.kingonewinch.com)



RAIN & SNOW FIELD

[Http://www.kingonewinch.com](http://www.kingonewinch.com)



FEATURES

- ◇ Heavy duty series wound motor delivers superior torque output and faster line speed.
- ◇ 3 stage planetary gearbox delivers the most reliable and durable performance of winch under the worst condition.
- ◇ Automatic ,double cone brake.
- ◇ Rotating ring gear clutch have the freespooling positioned actually for the rapid payout of wire rope with ease.
- ◇ Installation,operation and maintenance with ease.



TDS-9.5/12.0

SPECIFICATION

Line Pull	4,309kgs/9,500lbs	5,442kgs/12,000lbs
Motor	12V/5.0HP 24V/3.0HP	12V/6.0HP 24V/3.6HP
Gear Train	Three stage	Three stage
Gear Ratio	173:1	254:1
Freespooling Clutch	Rotating ring gear	Rotating ring gear
Wire Rope Size	(Φ8.7mmX30m)Φ11/32"X100'	(Φ9.5mmX27.4m)Φ3/8"X90'
Wire Rope Type	Aircraft A7X19	Aircraft A7X19
Drum Size	Φ2.5"X9"(Φ63.5mmX229mm)	Φ2.5"X9"(Φ63.5mmX229mm)

LINE PULL

Layer of WireRope	TDS-9.5		Layer of WireRope	TDS-12.0	
	Max Line Pull			Max Line Pull	
	Lbs	Kgs		Lbs	Kgs
1	9,500	4,309	1	12,000	5,442
2	7,800	3,500	2	9,789	4,445
3	6,550	2,977	3	8,273	3,760
4	5,700	2,578	4	7,199	3,255



LINE SPEED AND AMP DRAW(1st layer of rope on the drum)

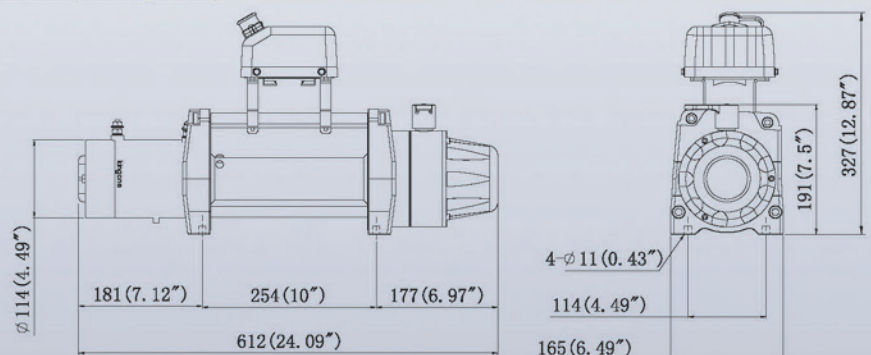
Load	TDS-9.5				TDS-12.0					
	Line Speed		AMP Draw		Line Speed		AMP Draw			
	Lbs	Kgs	FPM	MPM	12V	24V	FPM	MPM	12V	24V
No Load			55.8	17	60	40	29.3	9	60	40
2,000	907		14.7	4.5	140	106	13	4	116	87
4,000	1,814		12.5	3.8	181	158	9.8	3	141	110
6,000	2,722		12	2.7	248	187	7.9	2.4	178	129
8,000	3,650		8.2	2.5	295	226	6.9	2.1	224	165
9,500	4,309		6.6	2.0	338	259	6.2	1.9	238	185
11,000	5,000		—	—	—	—	4.9	1.5	270	214
12,000	5,442		—	—	—	—	4.5	1.4	285	217

STANDARD ACCESSORIES

- ◇ Remote Controller TA-0906
- ◇ Wire Rope With Hook
- ◇ 4 Way Roller Fairlead TA-0903
- ◇ Control Unit TA-0902
- ◇ Mounting Hardware
- ◇ Pulley Block TA-0109
- ◇ Handsaver Strap

PACKAGE

Winch Weight : 49kgs / 108 lbs
 Gross Weight : 52 kgs / 114 lbs
 Box Dimension : 647X198X410 mm (25.5"X7.8"X16.1")



KINGONE WINCH

PRODUCTS MANUAL

FEATURES

- ◇ Heavy duty series wound motor delivers superior torque output and faster line speed.
- ◇ 3 stage planetary gearbox delivers the most reliable and durable performance of winch under the worst condition.
- ◇ Automatic ,double cone brake.
- ◇ Rotating ring gear clutch have the freespooling positioned actually for the rapid payout of wire rope with ease.
- ◇ Installation,operation and maintenance with ease.



TDS-6.5/8.5

SPECIFICATION

Line Pull	2,955kgs/6,500lbs	3,860kgs/8,500lbs
Motor	12V/4.0HP	12V/4.6HP
Gear Train	Three stage	Three stage
Gear Ratio	173:1	254:1
Freespooling Clutch	Rotating ring gear	Rotating ring gear
Wire Rope Size	Φ5/16"X80' (Φ8.3mmX24.3m)	Φ5/16"X100' (Φ8.3mmX30m)
Wire Rope Type	Aircraft A7X19	Aircraft A7X19
Drum Size	Φ2.5"X9"(Φ63.5mmX229mm)	Φ2.5"X9"(Φ63.5mmX229mm)



LINE PULL

TDS-6.5			TDS-8.5		
Layer of Wire Rope	Max Line Pull		Layer of Wire Rope	Max Line Pull	
	Lbs	Kgs		Lbs	Kgs
1	6,500	2,955	1	8,500	3,860
2	5,000	2,300	2	6,900	3,200
3	4,300	2,000	3	5,800	2,700
4	3,800	1,700	4	5,000	2,300



LINE SPEED AND AMP DRAW(1st layer of rope on the drum)

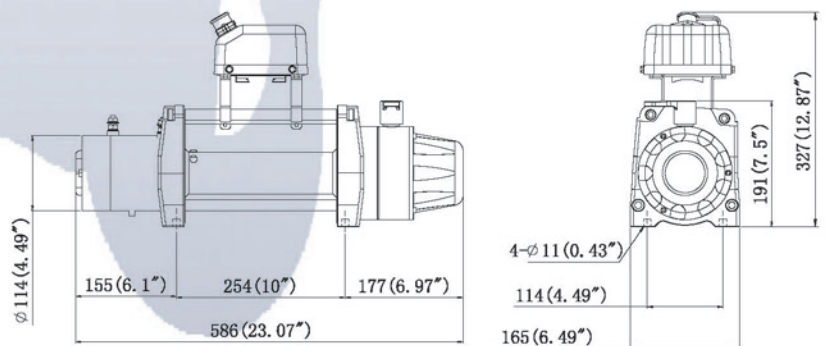
Load		TDS-6.5			TDS-8.5		
		Line Speed		AMP Draw	Line Speed		AMP Draw
Lbs	Kgs	FPM	MPM	12V	FPM	MPM	12V
No Load		59	16	70	39.4	12	70
2,000	907	16.4	5	150	13.8	4.2	130
4,000	1,814	13	4	240	12.5	3.8	190
6,500	2,955	8.2	2.5	380	11.2	3.4	270
8,500	3,860	—	—	—	7.9	2.4	352

STANDARD ACCESSORIES

- ◇ Remote Controller TA-0906
- ◇ Wire Rope With Hook
- ◇ 4 Way Roller Fairlead TA-0903
- ◇ Control Unit TA-0902
- ◇ Mounting Hardware
- ◇ Pulley Block TA-0109
- ◇ Handsaver Strap

PACKAGE

Winch Weight : 44 kgs / 97 lbs
 Gross Weight : 46 kgs /101 lbs
 Box Dimension : 647 X198X410 mm (25.5"X7.8"X16.1")



KINGONE WINCH

PRODUCTS MANUAL

FEATURES

- ◇ Permanent magnet motor delivers superior torque output and faster line speed.
- ◇ 3 stage planetary gearbox delivers the most reliable and durable performance of winch under the worst condition.
- ◇ Automatic, flat brake.
- ◇ Rotating ring gear clutch have the freespooling positioned actually for the rapid payout of wire rope with ease.
- ◇ Installation, operation and maintenance with ease.



ATV-3000/4000

SPECIFICATION

Line Pull	1,363kgs/3,000lbs	1,814kgs/4,000lbs
Motor	12V/1.0HP 24V/0.8HP	12V/1.6HP 24V/1.0HP
Gear Train	Three stage	Three stage
Gear Ratio	166:1	187:1
Freespooling Clutch	Rotating ring gear	Rotating ring gear
Wire Rope Size	Φ3/16"X50' (Φ4.8mmX15.2m)	Φ7/32"X50' (Φ5.5mmX15.2m)
Wire Rope Type	Aircraft A7X19	Aircraft A7X19
Drum Size	Φ2.2"X3.4" (Φ55mmX87.5mm)	Φ2.3"X5.2" (Φ59mmX131.5mm)

LINE PULL

Layer of Wire Rope	ATV-3000		Layer of Wire Rope	ATV-4000	
	Max Line Pull			Max Line Pull	
	Lbs	Kgs		Lbs	Kgs
1	3,000	1,363	1	4,000	1,814
2	2,590	1,170	2	3,735	1,694
3	2,270	1,030	3	3,188	1,446
4	2,030	920	4	2,780	1,261
5	1,830	830	5	—	—

LINE SPEED AND AMP DRAW (1st layer of rope on the drum)

Load	ATV-3000				ATV-4000					
	Line Speed		AMP Draw		Line Speed		AMP Draw			
	Lbs	Kgs	FPM	MPM	12V	24V	FPM	MPM	12V	24V
No Load			24	7.3	25	13	19	5.8	25	13
500	230	19	6	50	27	12.8	3.9	45	26	
1,000	450	15	4.6	85	45	11.2	3.4	80	45	
1,500	680	13.5	4.2	105	53	10.2	3.1	120	60	
2,000	900	11.4	3.5	118	60	9.5	2.9	160	89	
2,500	1,140	10.2	3.1	160	90	9.0	2.7	210	120	
3,000	1,363	8.2	2.5	188	110	7.9	2.4	235	130	
3,500	1,588	—	—	—	—	7.2	2.2	250	135	
4,000	1,814	—	—	—	—	6.6	2.0	278	145	

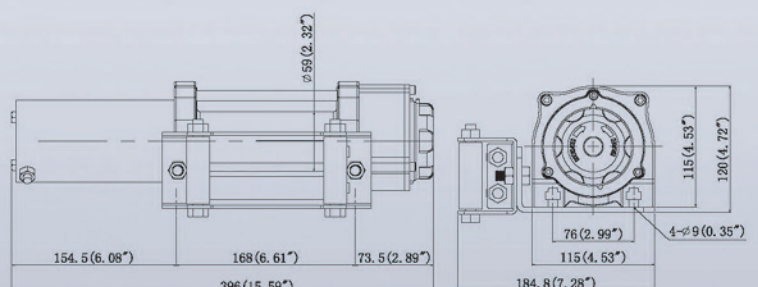
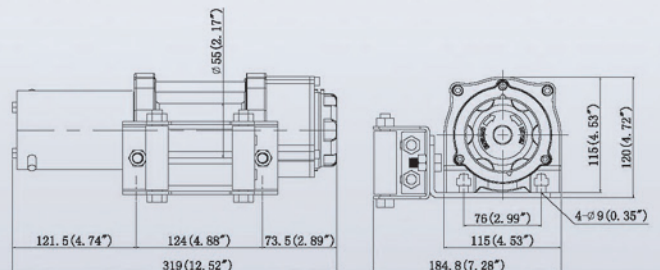
STANDARD ACCESSORIES

- ◇ Handle Switch TA-0508
- ◇ 4Way Roller Fairlead TA-0901 ATV-3000
- ◇ 4Way Roller Fairlead TA-0905 ATV-4000
- ◇ Pulley Block TA-0107 ATV-3000
- ◇ Pulley Block TA-0108 ATV-4000
- ◇ Handsaver Strap
- ◇ Base Frame TA-0303 ATV-3000
- ◇ Base Frame TA-0304 ATV-4000
- ◇ Mounting Hardware
- ◇ Control Unit TA-0504
- ◇ Wire Rope With Hook
- ◇ Remote Controller TA-0507 (ATV-3000)

PACKAGE

ATV-3000
 Winch Weight : 9.7 kgs /21.3 lbs
 Gross Weight : 13kgs / 28.6 lbs
 Box Dimension : 360 X 209 X 257 mm (14.1" X 8.2" X 10.1")

ATV-4000
 Winch Weight : 12.2 kgs / 26.8 lbs
 Gross Weight : 16 kgs / 35.2 lbs
 Box Dimension : 430 x 225 x 257mm (16.9" x 8.9" x 10.1")



FEATURES

- ◇ Permanent magnet motor delivers superior torque output and faster line speed
- ◇ 3 stage planetary gearbox delivers the most reliable and durable performance of winch under the worst condition.
- ◇ Automatic, flat brake.
- ◇ Rotating ring gear clutch have the freespooling positioned actually for the rapid payout of wire rope with ease.
- ◇ Installation, operation and maintenance with ease.



ATV-3000C/4000C

SPECIFICATION

Line Pull	1,363kgs/3,000lbs	1,814kgs/4,000lbs
Motor	12V/1.0HP 24V/0.8HP	12V/1.6HP 24V/1.0HP
Gear Train	Three stage	Three stage
Gear Ratio	166:1	187:1
Freespooling Clutch	Rotating ring gear	Rotating ring gear
Wire Rope Size	Φ4.8mmX15.2m(Φ3/16"X50')	Φ5.5mmX15.2m(Φ7/32"X50')
Wire Rope Type	Aircraft A7X19	Aircraft A7X19
Drum size	Φ2.2"X3.4"(Φ55mmX87.5mm)	Φ2.3"X5.2"(Φ59mmX131.5mm)

LINE PULL

Layer of Wire Rope	ATV-3000C		Layer of Wire Rope	ATV-4000C	
	Lbs	Kgs		Lbs	Kgs
1	3,000	1,363	1	4,000	1,814
2	2,590	1,170	2	3,735	1,694
3	2,270	1,030	3	3,188	1,446
4	2,030	920	4	2,780	1,261
5	1,830	830	5		



LINE SPEED AND AMP DRAW (1st layer of rope on the drum)

Load	ATV-3000C				ATV-4000C				
	Line Speed		AMP Draw		Line Speed		AMP Draw		
Lbs	Kgs	FPM	MPM	12V	24V	FPM	MPM	12V	24V
No Load		24	7.3	25	13	19	5.8	25	13
500	230	19	6	50	27	12.8	3.9	45	26
1,000	450	15	4.6	85	45	11.2	3.4	80	45
1,500	680	13.5	4.2	105	53	10.2	3.1	120	60
2,000	900	11.4	3.5	118	60	9.5	2.9	160	89
2,500	1,140	10.2	3.1	160	90	9.0	2.7	210	120
3,000	1,363	8.2	2.5	188	110	7.9	2.4	235	130
3,500	1,588	/	/	/	/	7.2	2.2	250	135
4,000	1,814	/	/	/	/	6.6	2.0	278	145

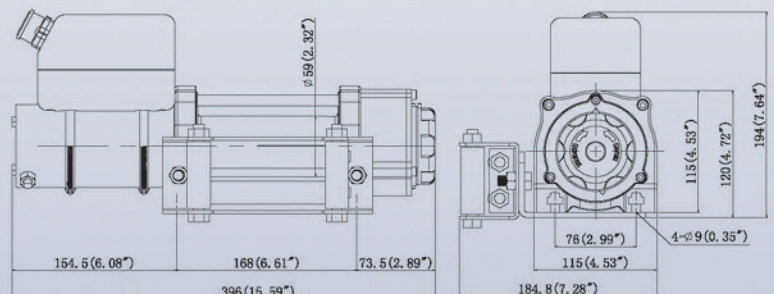
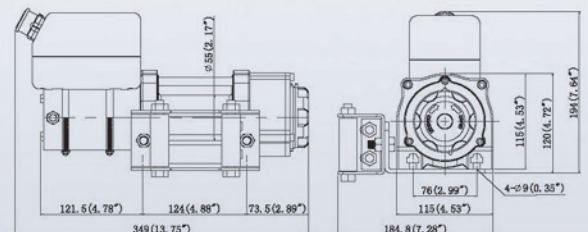
STANDARD ACCESSORIES

- ◇ Handle Switch TA-0508
- ◇ 4 Way Roller Fairlead TA-0901
- ◇ 4 Way Roller Fairlead TA-0905
- ◇ Pulley Block TA-0107
- ◇ Pulley Block TA-0108
- ◇ Handsaver Strap
- ◇ Base Frame TA-0303
- ◇ Base Frame TA-0304
- ◇ Mounting Hardware
- ◇ Control Unit TA-0505
- ◇ Control Unit TA-0506
- ◇ Wire Rope With Hook

PACKAGE

ATV-3000C
 Winch Weight : 11.3 kgs / 24.7 lbs
 Gross Weight : 14 kgs / 30.8 lbs
 Box Dimension : 390 X 209 X 235mm (15.4" X 8.2" X 9.3")

ATV-4000C
 Winch Weight : 13.8 kgs / 30.4 lbs
 Gross Weight : 17 kgs / 37.4 lbs
 Box Dimension : 430 X 225 X 235mm (16.9" X 8.9" X 9.3")



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22

22-1. Hydraulic Motor: TA-1201 Specification: HK80
 22-2. Hydraulic Motor: TA-1202 Specification: HK100
 22-3. Hydraulic Motor: TA-1203 Specification: HK125



23

23. Over Center Valve: TA-0918



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24

24. Hawse Fairlead TA-0921 Specification: TDS(KINGONE)
 25. Hawse Fairlead TA-0923 Specification: ATV-3000
 26. Hawse Fairlead TA-0924 Specification: ATV-4000



27

27-1. Synthetic Rope	TA-1102	standard diameter: Φ 4.2mm	Minimum Breaking Strength: 3,772lbs (1,711kgs)
27-2. Synthetic Rope	TA-1103	standard diameter: Φ 4.9mm	Minimum Breaking Strength: 5,030lbs (2,281kgs)
27-3. Synthetic Rope	TA-1104	standard diameter: Φ 6mm	Minimum Breaking Strength: 7,544lbs (3,422kgs)
27-4. Synthetic Rope	TA-1105	standard diameter: Φ 7.2mm	Minimum Breaking Strength: 10,897lbs (4,943kgs)
27-5. Synthetic Rope	TA-1106	standard diameter: Φ 7.7mm	Minimum Breaking Strength: 12,574lbs (5,703kgs)
27-6. Synthetic Rope	TA-1107	standard diameter: Φ 9mm	Minimum Breaking Strength: 15,876lbs (7,202kgs)
27-7. Synthetic Rope	TA-1108	standard diameter: Φ 10mm	Minimum Breaking Strength: 19,845lbs (9,002kgs)
27-8. Synthetic Rope	TA-1109	standard diameter: Φ 11mm	Minimum Breaking Strength: 23,902lbs (10,842kgs)



28

28-1. Wire Rope: TA-0102	Specification: TDS-12.0	Φ 3/8" X 90'
28-2. Wire Rope: TA-0111	Specification: TDS-16.5	Φ 7/16" X 90'
28-3. Wire Rope: TA-0112	Specification: TDS-20.0	Φ 15/32" X 83'
28-4. Wire Rope and Hook: TA-0105	Specification: ATV-3000	Φ 3/16" X 50'
28-5. Wire Rope and Hook: TA-0106	Specification: ATV-4000	Φ 7/32" X 50'
28-6. Wire Rope and Hook: TA-0103	Specification: TDS-6.5	Φ 5/16" X 80'
28-7. Wire Rope and Hook: TA-0101	Specification: TDS-8.5	Φ 5/16" X 100'
28-8. Wire Rope and Hook: TA-0104	Specification: TDS-9.5	Φ 11/32" X 100'



29



30



31



32

29-1. Wireless Remote Control:TA-0915 Valid Distance: 20-30M 12V
 29-2. Wireless Remote Control:TA-0916 Valid Distance: 20-30M 24V
 29-1. Wireless Remote Control:TA-0913 Valid Distance: 20-30M 12V
 29-2. Wireless Remote Control:TA-0914 Valid Distance: 20-30M 24V

30.Quick Connector:TA-0201 Specification:50A
 31.Quick Connector:TA-0202 Specification:175A
 32.Quick Connector:TA-0203 Specification:350A



38

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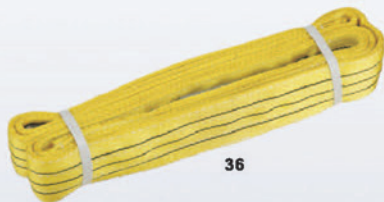


41

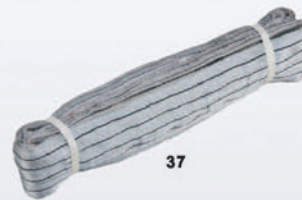
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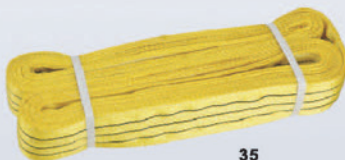
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35



34

33.Saddle Bag :TA-1010
 34.Sacking Gloves :TA-1017
 35.Strap :TA-1014 Specification:75mmX9m(3"X29.5')/3T
 36.Strap :TA-1013 Specification:75mmX5m(3"X16.4')/3T
 37.Strap :TA-1015 Specification:100mmX3m(4"X9.8')/4T
 38.Hook :TA-0401 Specification:3/8"4.318kgs/9.500lbs
 39.Hook :TA-0404 Specification:CE 4.318kgs/9.500lbs
 40.Hook :TA-0402 Specification:1/2"7.500kgs/16.500lbs
 41.Shackle:TA-1012 Specification:SWL/2T(1/2")
 42.Shackle:TA-1016 Specification:SWL31/4T(5/8")
 43.Shackle:TA-1018 Specification:SWL43/4T(3/4")
 44.Shackle:TA-1011 Specification:SWL43/4T(3/4")

33





1

1. Pulley Block:TA-0107 Specification:2,722kgs/6,000lbs



2

2. Pulley Block:TA-0108 Specification:5,000kgs/11,000lbs



3

3. Pulley Block:TA-0109 Specification:10,722kgs/22,000lbs



4

4. Pulley Block:TA-0110 Specification:13,610kgs/30,000lbs



5

5. 4 Way Roller Fairlead:TA-0901 Specification:ATV-3000



6

6. 4 Way Roller Fairlead:TA-0905 Specification:ATV-4000



7

7. 4 Way Roller Fairlead:TA-0903 Specification:TDS,KDS



8

8. Base Frame:TA-0303 Specification:ATV-3000



9

9. Base Frame:TA-0304 Specification:ATV-4000



10

10. Mounting Channel(Jeep): TA-0301 Specification:TDS.KDS



11

11. Back Mounting Base Frame Part:TA-0302 Specification:TDS.KDS



12

12. Base Plate:TA-0927 Specification:KHD



13

13. Magnetic Switch A: TA-0503 Specification: 12V OR 24V



14

14. Magnetic Switch: TA-0907



15

15. Electromagnetic Switch: TA-0904 Specification: 12V OR 24V



16

16-1. Motor: TA-0530 Specification: ATV-3000 12V
 16-2. Motor: TA-0531 Specification: ATV-3000 24V
 16-3. Motor: TA-0532 Specification: ATV-4000 12V
 16-4. Motor: TA-0533 Specification: ATV-4000 24V



17

17-1. Motor: TA-0550 Specification: TDS-6.5 12V
 17-2. Motor: TA-0553 Specification: TDS-8.5 12V
 17-3. Motor: TA-0554 Specification: TDS-9.5 24V
 17-4. Motor: TA-0555 Specification: TDS-9.5 12V
 17-5. Motor: TA-0556 Specification: TDS-12.0 24V
 17-6. Motor: TA-0557 Specification: TDS-12.0 12V
 17-5. Motor: TA-0559 Specification: TDS-16.5 12V
 17-6. Motor: TA-0552 Specification: TDS-16.5 24V
 17-7. Motor: TA-0567 Specification: TDS-20.0 24V



18



19

18. Handle Switch: TA-0508 Specification: Switch W/ 3 m (10') cord coming LED
 19. Remote Controller: TA-0507 Specification: Switch W/ 3 m (10') cord ATV-3000



20

20. Control Unit: TA-0909
 21. Remote Controller: TA-0906



21

Specification: TDS (12v or 24v)
 Specification: Switch W/ 5 m (17') cord coming LED TDS-9.5



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