



**SELF RECOVERY WINCH
UTILITY WINCH
ATV WINCH
MOUNTING SYSTEMS
WINCH ACCESSORIES**



CATALOG

Discovery

OFF-ROAD



Chi Zong Machine Co., Ltd. is the number one professional manufacturer of winch & hoist in Taiwan. We developed a leading quality of Taiwan brand "STORNG" and our exporting brand name is "DUKE".

Our company established in 1979 and we producing excellent quality of hoisting equipment for more than 20 years. Products range are elec. DC power, Self-Recovery winch (2000 lbs. - 12000 lbs),

elec. chain hoist (750kgs - 2000kgs), mini elec. chain hoist (500kgs - 1000kgs), elec. wire winch (150kgs - 5000kgs), mini elec. wire winch (75kgs - 250kgs), etc.

We also produce related peripheral products,

such as steel rack, elec. trolley, plain hand trolley, remote control, etc.

Applicable working range of hoist, winch are architecture, civil engineering, workshop/factory, water piping & wiring, construction scaffold, warehouse, high building hoisting, forwarder, agriculture & woods, fishing, store, house, etc.

Our company are manufacturing all of products based on very strict quality control process. "DUKE" series products are obtained the certification from TUV and CE and ISO-9001, etc. standard. The products quality are reliable and after sale service absolutely will be satisfied by customer.

"DUKE" hoist and winch are exported to Asia, Europe, American, Middle East, and the world wide we also accept the OEM order from every big hoist & winch company worldwide. Your product information inquiry and request for the latest catalogue, and price list are welcome.



TUV

CE



Self-Recovery Winch Motor: Series Wound

DW-12000 / DW-12000i.....	01
DW-10000 / DW-10000i.....	02
DW-9500 / DW-9500i.....	03
DW-9000 / DW-9000i.....	04
DW-8000 / DW-8000i.....	05
DW-6000 / DW-6000i.....	06

Self-Recovery Winch (Mounting) Motor: Series Wound

DW-12000M / DW-12000iM.....	07
DW-10000M / DW-10000iM.....	08
DW-9500M / DW-9500iM.....	09
DW-9000M / DW-9000iM.....	10
DW-8000M / DW-8000iM.....	11
DW-6000M / DW-6000iM.....	12

Self-Recovery Winch Motor: Permanent Magnet

DU-9000 / DU-9000A.....	13
DU-8000 / DU-8000A.....	14

Self-Recovery Winch (Mounting) Motor: Permanent Magnet

DU-9000M / DU-8000M.....	15
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Self-Recovery / ATV / Utility Duty Winch

Motor: Permanent Magnet

DU-8000S / DU-2000 / DW-2000	16
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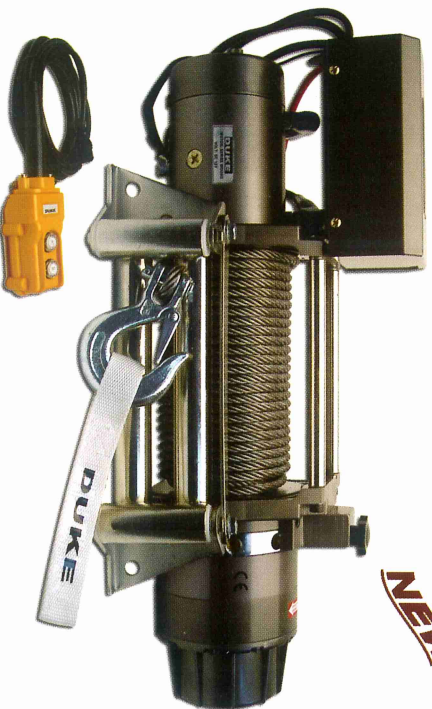
Winch Accessories	17
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i, A, M, S codes, we hereby list it as below:

- (1) The solenoid electric wiring box of DW-12000i/10000i/9500i/9000i/8000i/6000. DU-9000/8000 is located at side of winch and can be removed and to fix it at another position. This design suitable for install it inside car bumper. (it is a invisibly type)
- (2) The solenoid electric wiring box of DW-12000i/10000i/9500i/9000i/8000i/6000i. DU-9000A/8000A is located at central upper of winch and suitable for install it outside car bumper. (it is a open type)
- (3) DW-12000M/12000iM/10000M/10000iM/9500M/9500iM/9000M/9000iM/8000M/8000iM/6000M/6000iM. DU-8000M, DU-9000M with attached one portable base holder and suitable for install it outside car bumper. It can be installed and removed fast (it is a fast install type)
- (4) DU-8000S/DU-2000 is for normal hoist, pulling purpose which suitable for ATV (ATV motorcycle) winch without attached with 4-way guide wheel, winch fixing bottom plate.



DUKE HOIST&WINCH Self-Recovery Winch



DW-12000

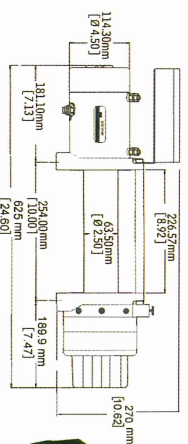
RATED LINE PULL: 12000 LBS. (5440 KGS.) SINGLE-LINE
 MOTOR: 12V 4.6 HP, 24V 3.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 4-STAGE PLANETARY
 GEAR RATIO: 265:1
 CLUTCH (FREESPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"9.0" (6.4CM/23CM)
 WEIGHT: 84 LBS. (38 KGS.)
 WIRE ROPE: .92" .13/32" DIAMETER (28M, 10mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER

12V DC PERFORMANCE SPECS

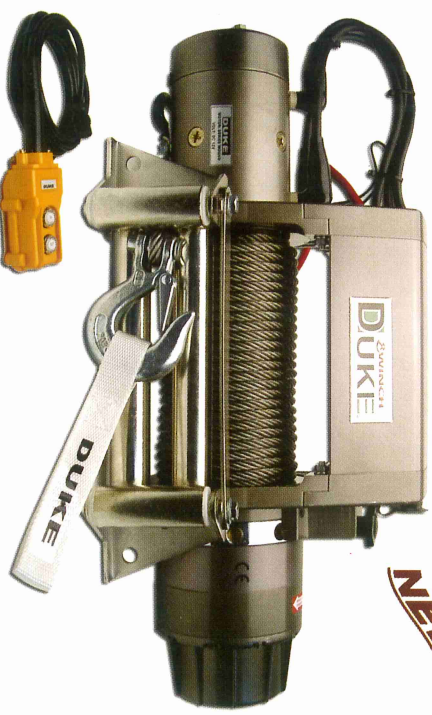
Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)
0	30(9.14)	67 amps	1/12000(5443)
2000(910)	14(4.27)	140 amps	2/11120(5044)
4000(1810)	8.62(2.63)	210 amps	3/10340(4690)
6000(2720)	6.92(2.11)	250 amps	4/9770(4432)
8000(3630)	5.80(1.77)	320 amps	5/9250(4196)
10000(4540)	4.39(1.34)	370 amps	
12000(5440)	3.86(1.18)	440 amps	

24V DC PERFORMANCE SPECS

Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)
0	31.94(9.57)	24 amps	1/12000(5443)
2000(910)	11.7(3.57)	105 amps	2/11120(5044)
4000(1810)	9.5(2.90)	129 amps	3/10340(4690)
6000(2720)	8.5(2.59)	152 amps	4/9770(4432)
8000(3630)	7.5(2.29)	175 amps	5/9250(4196)
10000(4540)	6.5(1.98)	198 amps	
12000(5440)	6.0(1.83)	221 amps	



WINCH SIZE: 24.55" L X 6.3" D X 9.94" H (624mm L X 160mm D X 252mm H)
 MOUNTING BOLT PATTERN: 10.0" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING 28.7" L X 11.4" D X 16.9" H (730mm L X 290mm D X 430mm H)



DW-12000i

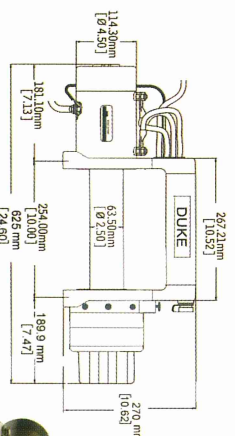
RATED LINE PULL: 12000 LBS. (5440 KGS.) SINGLE-LINE
 MOTOR: 12V 4.6 HP, 24V 3.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 4-STAGE PLANETARY
 GEAR RATIO: 265:1
 CLUTCH (FREESPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"9.0" (6.4CM/23CM)
 WEIGHT: 84 LBS. (38 KGS.)
 WIRE ROPE: .92" .13/32" DIAMETER (28M, 10mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER

12V DC PERFORMANCE SPECS

Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)
0	30(9.14)	67 amps	1/12000(5443)
2000(910)	14(4.27)	140 amps	2/11120(5044)
4000(1810)	8.62(2.63)	210 amps	3/10340(4690)
6000(2720)	6.92(2.11)	250 amps	4/9770(4432)
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12000(5440)	3.86(1.18)	440 amps	

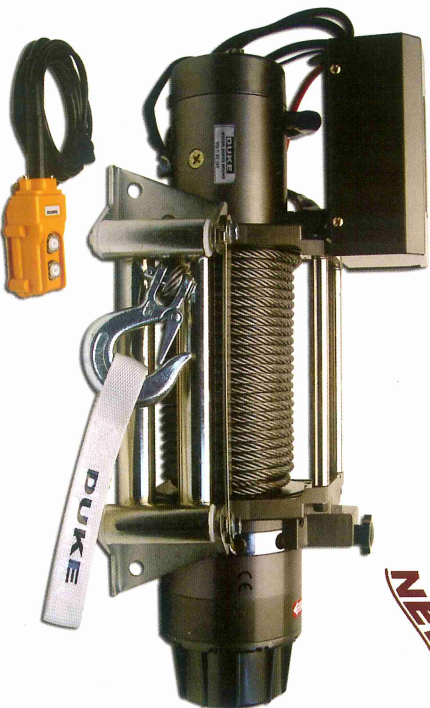
24V DC PERFORMANCE SPECS

Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)
0	31.94(9.57)	24 amps	1/12000(5443)
2000(910)	11.7(3.57)	105 amps	2/11120(5044)
4000(1810)	9.5(2.90)	129 amps	3/10340(4690)
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10000(4540)	6.5(1.98)	198 amps	
12000(5440)	6.0(1.83)	221 amps	



WINCH SIZE: 24.55" L X 6.3" D X 9.94" H (624mm L X 160mm D X 252mm H)
 MOUNTING BOLT PATTERN: 10.0" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING 28.7" L X 11.4" D X 16.9" H (730mm L X 290mm D X 430mm H)

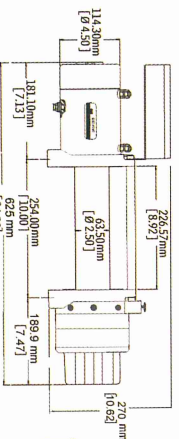
DUKE HOIST&WINCH Self-Recovery Winch



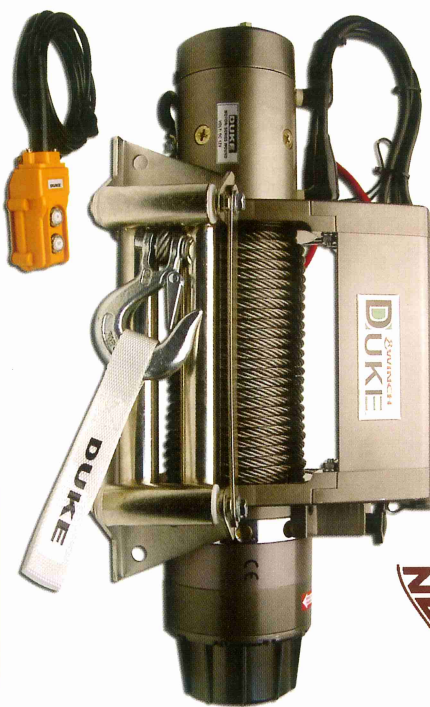
DW-100000

RATED LINE PULL: 10000 LBS. (4540 KGS.) SINGLE-LINE
 MOTOR: 12V 4.6 HP, 24V 2.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 4-STAGE PLANETARY
 GEAR RATIO: 265:1
 CLUTCH (FREESPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"/9.0" (6.4CM/23CM)
 WEIGHT: 81.5 LBS. (37 KGS.)
 WIRE ROPE: .99", 5/16" DIAMETER (30M, 8mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER

12V DC PERFORMANCE SPECS				
Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)	
0	30(9.14)	67 amps	1/12000(5443)	
2000(910)	14(4.27)	140 amps	2/11120(5044)	
4000(1810)	8.62(2.63)	210 amps	3/10340(4690)	
6000(2720)	6.92(2.11)	250 amps	4/9770(4432)	
8000(3630)	5.80(1.77)	320 amps	5/9250(4196)	
10000(4540)	4.39(1.34)	370 amps		



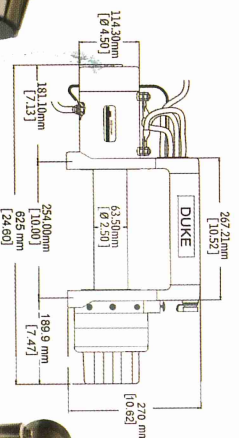
WINCH SIZE: 24.55" L X 6.3" D X 9.94" H (624mm L X 160mm D X 252mm H)
 MOUNTING BOLT PATTERN: 10.0" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING 28" L X 11.4" D X 16.9" H (730mm L X 290mm D X 430mm H)



DW-100000i

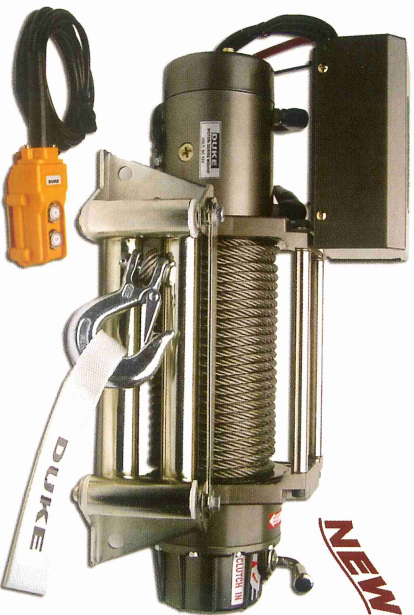
RATED LINE PULL: 10000 LBS. (4540 KGS.) SINGLE-LINE
 MOTOR: 12V 4.6 HP, 24V 2.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 4-STAGE PLANETARY
 GEAR RATIO: 265:1
 CLUTCH (FREESPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"/9.0" (6.4CM/23CM)
 WEIGHT: 81.5 LBS. (37 KGS.)
 WIRE ROPE: .99", 5/16" DIAMETER (30M, 8mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER

12V DC PERFORMANCE SPECS				
Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)	
0	30(9.14)	67 amps	1/12000(5443)	
2000(910)	14(4.27)	140 amps	2/11120(5044)	
4000(1810)	8.62(2.63)	210 amps	3/10340(4690)	
6000(2720)	6.92(2.11)	250 amps	4/9770(4432)	
8000(3630)	5.80(1.77)	320 amps	5/9250(4196)	
10000(4540)	4.39(1.34)	370 amps		



WINCH SIZE: 24.55" L X 6.3" D X 9.94" H (624mm L X 160mm D X 252mm H)
 MOUNTING BOLT PATTERN: 10.0" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING 28" L X 11.4" D X 16.9" H (730mm L X 290mm D X 430mm H)

DUKE[®] HOIST&WINCH **Self-Recovery Winch**



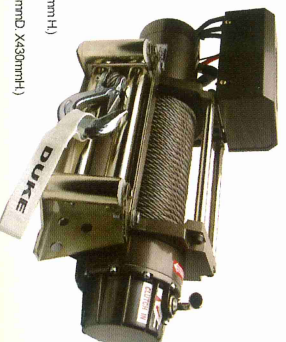
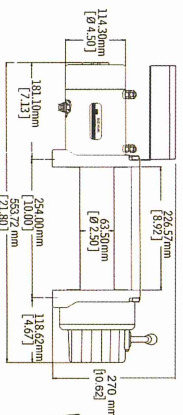
DW-9500

RATED LINE PULL: 9500 LBS. (4309 KGS.) SINGLE-LINE
 MOTOR: 12V 4.6 HP, 24V 2.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 3-STAGE PLANETARY
 GEAR RATIO: 166:1
 CLUTCH (FREESPPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"9.0" (6.4CM/23CM)
 WEIGHT: 80 LBS. (36 KGS.)
 WIRE ROPE: .99", 5/16" DIAMETER (30M, 8mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER

12V DC PERFORMANCE SPECS				
Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)	
0	35.4(10.7)	70 amps	1/9500(4309)	
2000(910)	16.7(5.1)	180 amps	2/8190(3715)	
4000(1810)	12.7(3.8)	255 amps	3/7500(3402)	
6000(2720)	10.6(3.2)	330 amps	4/7010(3180)	
8000(3630)	9.0(2.7)	415 amps	5/6570(2980)	
9500(4390)	7.8(2.3)	485 amps		

24V DC PERFORMANCE SPECS

Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)	
0	27.2(8.29)	44 amps	1/9500(4390)	
2000(910)	21(6.40)	96 amps	2/8190(3715)	
4000(1810)	17(5.18)	149 amps	3/7500(3402)	
6000(2720)	16(4.88)	180 amps	4/7010(3180)	
8000(3630)	9(2.74)	230 amps	5/6570(2980)	
9500(4390)	5.2(1.58)	285 amps		



WINCH SIZE: 21.8" L X 6.5" D X 9.94" H (659mm L X 169mm D X 252mm H)
 MOUNTING BOLT PATTERN: 10.0" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING 28.7" L X 11.4" D X 16.9" H (730mm L X 289mm D X 430mm H)



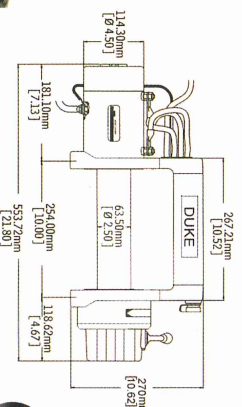
DW-9500i

RATED LINE PULL: 9500 LBS. (4309 KGS.) SINGLE-LINE
 MOTOR: 12V 4.6 HP, 24V 2.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 3-STAGE PLANETARY
 GEAR RATIO: 166:1
 CLUTCH (FREESPPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"9.0" (6.4CM/23CM)
 WEIGHT: 80 LBS. (36 KGS.)
 WIRE ROPE: .99", 5/16" DIAMETER (30M, 8mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER

12V DC PERFORMANCE SPECS				
Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)	
0	35.4(10.7)	70 amps	1/9500(4309)	
2000(910)	16.7(5.1)	180 amps	2/8190(3715)	
4000(1810)	12.7(3.8)	255 amps	3/7500(3402)	
6000(2720)	10.6(3.2)	330 amps	4/7010(3180)	
8000(3630)	9.0(2.7)	415 amps	5/6570(2980)	
9500(4390)	7.8(2.3)	485 amps		

24V DC PERFORMANCE SPECS

Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)	
0	27.2(8.29)	44 amps	1/9500(4390)	
2000(910)	21(6.40)	96 amps	2/8190(3715)	
4000(1810)	17(5.18)	149 amps	3/7500(3402)	
6000(2720)	16(4.88)	180 amps	4/7010(3180)	
8000(3630)	9(2.74)	230 amps	5/6570(2980)	
9500(4390)	5.2(1.58)	285 amps		



WINCH SIZE: 21.8" L X 6.5" D X 9.94" H (659mm L X 169mm D X 252mm H)
 MOUNTING BOLT PATTERN: 10.0" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING 28.7" L X 11.4" D X 16.9" H (730mm L X 289mm D X 430mm H)

DUKE HOIST & WINCH Self-Recovery Winch



DW-9000

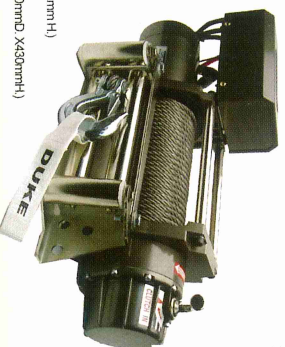
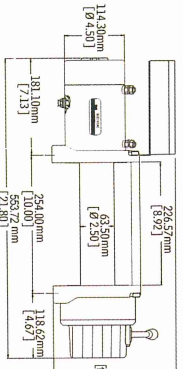
RATED LINE PULL: 9000 LBS. (4080 KGS.) SINGLE-LINE
 MOTOR: 12V 4.6 HP, 24V 2.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 3-STAGE PLANETARY
 GEAR RATIO: 156:1
 CLUTCH (FREESPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"/9.0" (6.4CM/23CM)
 WEIGHT: 80 LBS. (36 KGS.)
 WIRE ROPE: .99", 5/16" DIAMETER (30M, 8mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER

12V DC PERFORMANCE SPECS

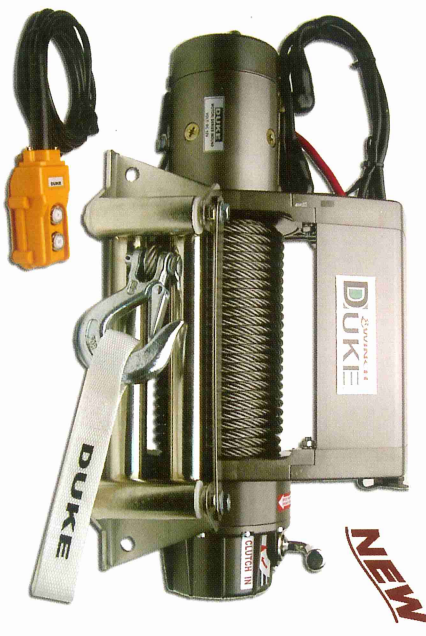
Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)
0	38(11.6)	70 amps	1/9000(4082)
2000(910)	14.4(4.39)	180 amps	2/8190(3715)
4000(1810)	11(3.35)	255 amps	3/7500(3402)
6000(2720)	8.67(2.64)	330 amps	4/7010(3180)
8000(3630)	6.88(2.10)	415 amps	5/6570(2980)
9000(4080)	6.38(1.94)	460 amps	

24V DC PERFORMANCE SPECS

Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)
0	27.2(8.29)	44 amps	1/9000(4082)
2000(910)	21(6.40)	96 amps	2/8190(3715)
4000(1810)	17(5.18)	149 amps	3/7500(3402)
6000(2720)	16(4.88)	180 amps	4/7010(3180)
8000(3630)	9(2.74)	230 amps	5/6570(2980)
9000(4080)	5.2(1.58)	270 amps	



WINCH SIZE: 21.8" L X 6.3" D X 9.94" H, (553mm L X 160mm D X 252mm H)
 MOUNTING BOLT PATTERN: 10.7" X 4.5" (264mm X 114.3mm)
 PACKAGE BOX DIMENSING 28.7" L X 11.4" D X 16.9" H (730mm L X 290mm D X 430mm H)



DW-9000i

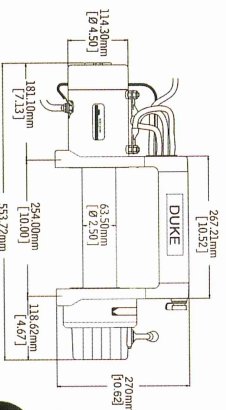
RATED LINE PULL: 9000 LBS. (4080 KGS.) SINGLE-LINE
 MOTOR: 12V 4.6 HP, 24V 2.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 3-STAGE PLANETARY
 GEAR RATIO: 156:1
 CLUTCH (FREESPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"/9.0" (6.4CM/23CM)
 WEIGHT: 80 LBS. (36 KGS.)
 WIRE ROPE: .99", 5/16" DIAMETER (30M, 8mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER

12V DC PERFORMANCE SPECS

Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)
0	38(11.6)	70 amps	1/9000(4082)
2000(910)	14.4(4.39)	180 amps	2/8190(3715)
4000(1810)	11(3.35)	255 amps	3/7500(3402)
6000(2720)	8.67(2.64)	330 amps	4/7010(3180)
8000(3630)	6.88(2.10)	415 amps	5/6570(2980)
9000(4080)	6.38(1.94)	460 amps	

24V DC PERFORMANCE SPECS

Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)
0	27.2(8.29)	44 amps	1/9000(4082)
2000(910)	21(6.40)	96 amps	2/8190(3715)
4000(1810)	17(5.18)	149 amps	3/7500(3402)
6000(2720)	16(4.88)	180 amps	4/7010(3180)
8000(3630)	9(2.74)	230 amps	5/6570(2980)
9000(4080)	5.2(1.58)	270 amps	



WINCH SIZE: 21.8" L X 6.3" D X 9.94" H, (553mm L X 160mm D X 252mm H)
 MOUNTING BOLT PATTERN: 10.7" X 4.5" (264mm X 114.3mm)
 PACKAGE BOX DIMENSING 28.7" L X 11.4" D X 16.9" H (730mm L X 290mm D X 430mm H)

DUKE[®] HOIST&WINCH Self-Recovery Winch



DW-8000

RATED LINE PULL: 8000 LBS. (3630 KGS.) SINGLE-LINE
 MOTOR: 12V 4.6 HP, 24V 2.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 3-STAGE PLANETARY
 GEAR RATIO: 156:1
 CLUTCH (FREESPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"9.0" (6.4CM/23CM)
 WEIGHT: 80 LBS. (36 KGS.)
 WIRE ROPE: .99" 5/16" DIAMETER (30M, 8mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER

12V DC PERFORMANCE SPECS

Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)
0	42(12.8)	80 amps	1/8000(3629)
2000(910)	16(4.88)	200 amps	2/7280(3302)
4000(1810)	11.9(3.63)	285 amps	3/6670(3026)
6000(2720)	9.79(2.98)	350 amps	4/6230(2826)
8000(3630)	8.01(2.44)	435 amps	

24V DC PERFORMANCE SPECS

Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)
0	27.3(8.32)	46 amps	1/8000(3629)
2000(910)	17.1(5.21)	99 amps	2/7460(3384)
4000(1810)	12.6(3.84)	145 amps	3/3980(3166)
6000(2720)	10.3(3.14)	190 amps	4/6620(3003)
8000(3630)	8.8(2.68)	235 amps	

12V DC PERFORMANCE SPECS

Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)
0	42(12.8)	80 amps	1/8000(3629)
2000(910)	16(4.88)	200 amps	2/7280(3302)
4000(1810)	11.9(3.63)	285 amps	3/6670(3026)
6000(2720)	9.79(2.98)	350 amps	4/6230(2826)
8000(3630)	8.01(2.44)	435 amps	

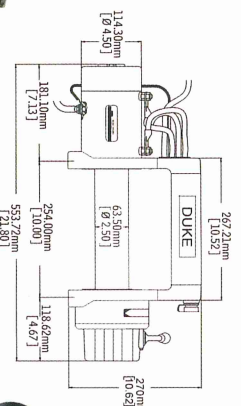
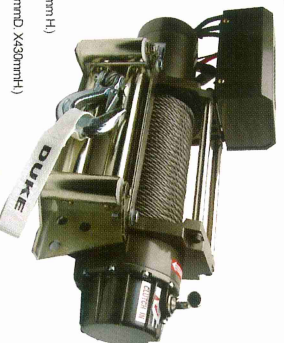
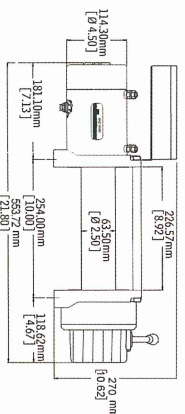
24V DC PERFORMANCE SPECS

Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)
0	27.3(8.32)	46 amps	1/8000(3629)
2000(910)	17.1(5.21)	99 amps	2/7460(3384)
4000(1810)	12.6(3.84)	145 amps	3/3980(3166)
6000(2720)	10.3(3.14)	190 amps	4/6620(3003)
8000(3630)	8.8(2.68)	235 amps	



DW-8000i

RATED LINE PULL: 8000 LBS. (3630 KGS.) SINGLE-LINE
 MOTOR: 12V 4.6 HP, 24V 2.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 3-STAGE PLANETARY
 GEAR RATIO: 156:1
 CLUTCH (FREESPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"9.0" (6.4CM/23CM)
 WEIGHT: 80 LBS. (36 KGS.)
 WIRE ROPE: .99" 5/16" DIAMETER (30M, 8mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER



WINCH SIZE: 21.8" L X 6.3" D X 9.94" H (559mm L X 160mm D X 252mm H)
 MOUNTING BOLT PATTERN: 10.0" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING 28.7" L X 14.1" D X 16.9" H (730mm L X 280mm D X 430mm H)

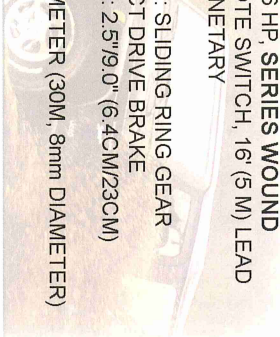
WINCH SIZE: 21.8" L X 6.3" D X 9.94" H (559mm L X 160mm D X 252mm H)
 MOUNTING BOLT PATTERN: 10.0" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING 28.7" L X 14.1" D X 16.9" H (730mm L X 280mm D X 430mm H)

DUKE HOIST & WINCH Self-Recovery Winch

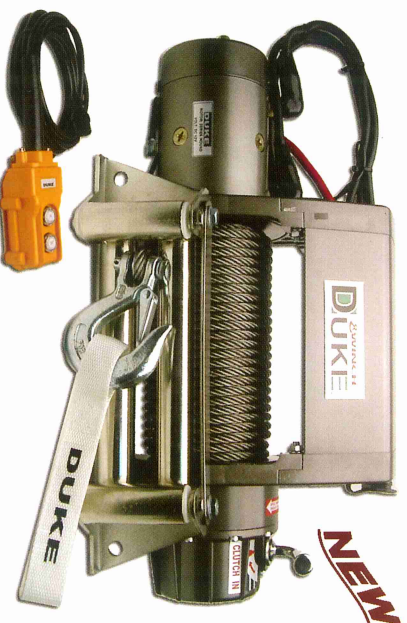


DW-60000

RATED LINE PULL: 6000 LBS. (2720 KGS.) SINGLE-LINE
 MOTOR: 12V 3.6 HP, 24V 2.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 3-STAGE PLANETARY
 GEAR RATIO: 156:1
 CLUTCH (FREESPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"9.0" (6.4CM/23CM)
 WEIGHT: 77 LBS. (35 KGS.)
 WIRE ROPE: .99" 5/16" DIAMETER (30M, 8mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER

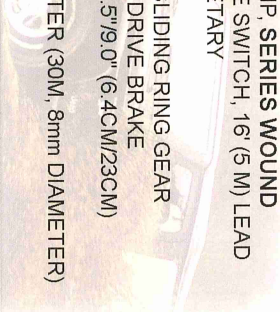


12V DC PERFORMANCE SPECS			
Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)
0	48.5(14.8)	85 amps	1/6000(2722)
2000(910)	23.7(7.22)	175 amps	2/5460(2477)
4000(1810)	12.9(3.93)	360 amps	3/5000(2268)
6000(2720)	10.0(3.05)	465 amps	4/4670(2118)
24V DC PERFORMANCE SPECS			
Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)
0	37.1(11.31)	46 amps	1/6000(2722)
2000(910)	20.3(6.19)	121 amps	2/5460(2477)
4000(1810)	14.4(4.39)	185 amps	3/5000(2268)
6000(2720)	11.2(3.41)	249 amps	4/4670(2118)

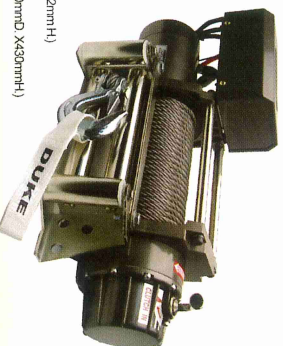
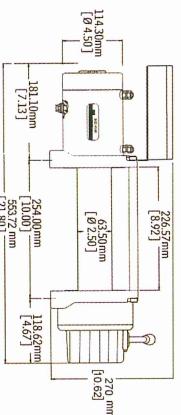


DW-60000i

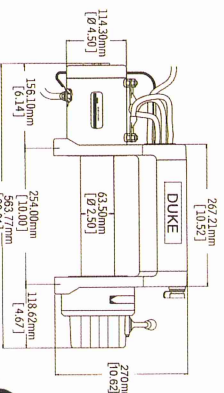
RATED LINE PULL: 6000 LBS. (2720 KGS.) SINGLE-LINE
 MOTOR: 12V 3.6 HP, 24V 2.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 3-STAGE PLANETARY
 GEAR RATIO: 156:1
 CLUTCH (FREESPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"9.0" (6.4CM/23CM)
 WEIGHT: 77 LBS. (35 KGS.)
 WIRE ROPE: .99" 5/16" DIAMETER (30M, 8mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER



12V DC PERFORMANCE SPECS			
Line Pull Lbs. (Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)
0	48.5(14.8)	85 amps	1/6000(2722)
2000(910)	23.7(7.22)	175 amps	2/5460(2477)
4000(1810)	12.9(3.93)	360 amps	3/5000(2268)
6000(2720)	10.0(3.05)	465 amps	4/4670(2118)
24V DC PERFORMANCE SPECS			
Line Pull Lbs. (Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)
0	37.1(11.31)	46 amps	1/6000(2722)
2000(910)	20.3(6.19)	121 amps	2/5460(2477)
4000(1810)	14.4(4.39)	185 amps	3/5000(2268)
6000(2720)	11.2(3.41)	249 amps	4/4670(2118)



WINCH SIZE: 20.8" L X 6.3" D X 9.9" H (564mm L X 160mm D X 250mm H)
 MOUNTING BOLT PATTERN: 10.0" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING 28" L X 11.4" D X 16.9" H (730mm L X 290mm D X 430mm H)



WINCH SIZE: 20.8" L X 6.3" D X 9.9" H (564mm L X 160mm D X 250mm H)
 MOUNTING BOLT PATTERN: 10.0" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING 28" L X 11.4" D X 16.9" H (730mm L X 290mm D X 430mm H)

DUKE^{HOIST&WINCH} Self-Recovery Winch



DW-120000M

RATED LINE PULL: 12000 LBS. (5440 KGS.) SINGLE-LINE
 MOTOR: 12V 4.6 HP, 24V 3.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 4-STAGE PLANETARY
 GEAR RATIO: 265:1
 CLUTCH (FREESPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"9.0" (6.4CM/23CM)
 WEIGHT: 103 LBS. (47 KGS.)
 WIRE ROPE: .92", 13/32" DIAMETER (28M, 10mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER

12V DC PERFORMANCE SPECS				
Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)	
0	30(9.14)	67 amps	1/1200(5443)	
2000(910)	14(4.27)	140 amps	2/11120(5044)	
4000(1810)	8.62(2.63)	210 amps	3/10340(4690)	
6000(2720)	6.92(2.11)	250 amps	4/9770(4432)	
8000(3630)	5.80(1.77)	320 amps	5/9250(4196)	
10000(4540)	4.39(1.34)	370 amps		
12000(5440)	3.86(1.18)	440 amps		

24V DC PERFORMANCE SPECS				
Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)	
0	31.94(9.57)	24 amps	1/12000(5443)	
2000(910)	11.7(3.57)	105 amps	2/11120(5044)	
4000(1810)	9.5(2.90)	129 amps	3/10340(4690)	
6000(2720)	8.5(2.59)	152 amps	4/9770(4432)	
8000(3630)	7.5(2.29)	175 amps	5/9250(4196)	
10000(4540)	6.5(1.98)	198 amps		
12000(5440)	6.0(1.83)	221 amps		

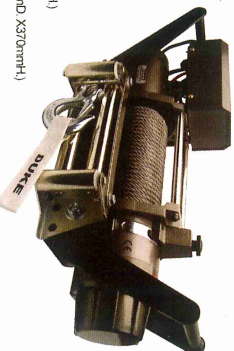
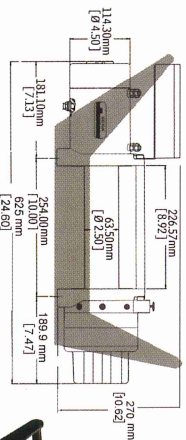


DW-120000iM

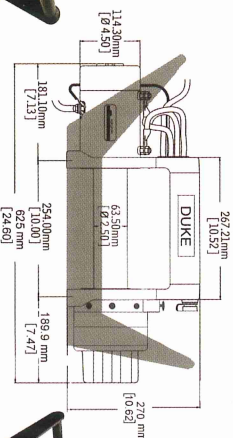
RATED LINE PULL: 12000 LBS. (5440 KGS.) SINGLE-LINE
 MOTOR: 12V 4.6 HP, 24V 3.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 4-STAGE PLANETARY
 GEAR RATIO: 265:1
 CLUTCH (FREESPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"9.0" (6.4CM/23CM)
 WEIGHT: 103 LBS. (47 KGS.)
 WIRE ROPE: .92", 13/32" DIAMETER (28M, 10mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER

12V DC PERFORMANCE SPECS				
Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)	
0	30(9.14)	67 amps	1/1200(5443)	
2000(910)	14(4.27)	140 amps	2/11120(5044)	
4000(1810)	8.62(2.63)	210 amps	3/10340(4690)	
6000(2720)	6.92(2.11)	250 amps	4/9770(4432)	
8000(3630)	5.80(1.77)	320 amps	5/9250(4196)	
10000(4540)	4.39(1.34)	370 amps		
12000(5440)	3.86(1.18)	440 amps		

24V DC PERFORMANCE SPECS				
Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)	
0	31.94(9.57)	24 amps	1/12000(5443)	
2000(910)	11.7(3.57)	105 amps	2/11120(5044)	
4000(1810)	9.5(2.90)	129 amps	3/10340(4690)	
6000(2720)	8.5(2.59)	152 amps	4/9770(4432)	
8000(3630)	7.5(2.29)	175 amps	5/9250(4196)	
10000(4540)	6.5(1.98)	198 amps		
12000(5440)	6.0(1.83)	221 amps		



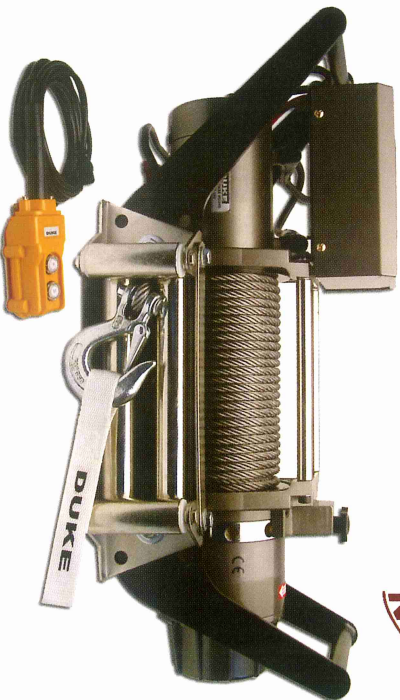
WINCH SIZE: 27.5" L X 9.6" D X 11" H (700mm L X 250mm D X 280mm H)
 MOUNTING BOIT PATTERN: 10.0" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING: 29.9" L X 14" D X 14.5" H (753mm L X 360mm D X 370mm H)



WINCH SIZE: 27.5" L X 9.6" D X 11" H (700mm L X 250mm D X 280mm H)
 MOUNTING BOIT PATTERN: 10.0" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING: 29.9" L X 14" D X 14.5" H (753mm L X 360mm D X 370mm H)

DUKE HOIST & WINCH **Self-Recovery Winch**

NEW



DW-100000M

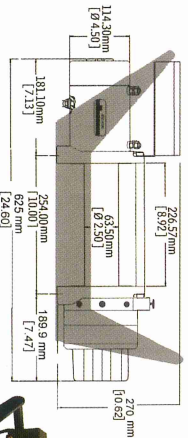
RATED LINE PULL: 10000 LBS. (4540 KGS.) SINGLE-LINE
 MOTOR: 12V 4.6 HP, 24V 2.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 4-STAGE PLANETARY
 GEAR RATIO: 265:1
 CLUTCH (FREESPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"9.0" (6.4CM/23CM)
 WEIGHT: 101 LBS. (46 KGS.)
 WIRE ROPE: .99" 5/16" DIAMETER (30M, 8mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER

12V DC PERFORMANCE SPECS

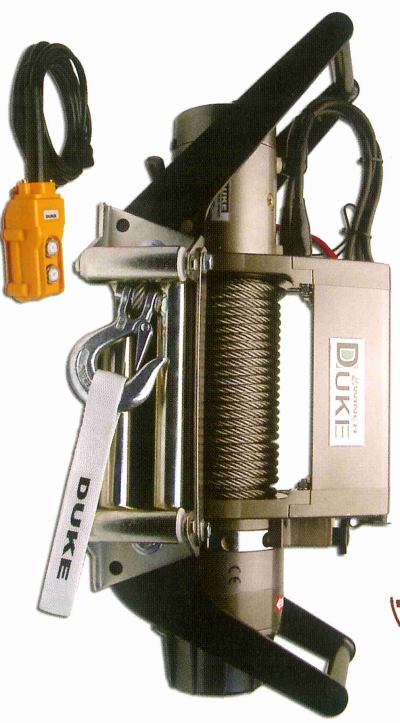
Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)
0	30(9.14)	67 amps	1/1200(5443)
2000(910)	14(4.27)	140 amps	2/11120(5044)
4000(1810)	8.62(2.63)	210 amps	3/10340(4690)
6000(2720)	6.92(2.11)	250 amps	4/9770(4432)
8000(3630)	5.80(1.77)	320 amps	5/9250(4196)
10000(4540)	4.39(1.34)	370 amps	

24V DC PERFORMANCE SPECS

Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)
0	31.94(9.57)	24 amps	1/12000(5443)
2000(910)	11.7(3.57)	105 amps	2/11120(5044)
4000(1810)	9.5(2.90)	129 amps	3/10340(4690)
6000(2720)	8.5(2.59)	152 amps	4/9770(4432)
8000(3630)	7.5(2.29)	175 amps	5/9250(4196)
10000(4540)	6.5(1.98)	198 amps	



WINCH SIZE: 27.5" L X 9.8" D X 11"H (700mm L X 250mm D X 280mm H)
 MOUNTING BOLT PATTERN: 10.0" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING: 29.9 L X 14 TD X 14.5 H (753mm L X 360mm D X 370mm H)



DW-100000iM

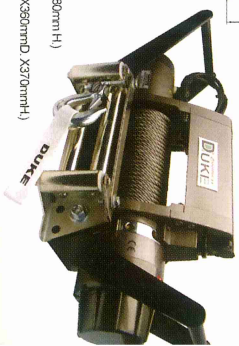
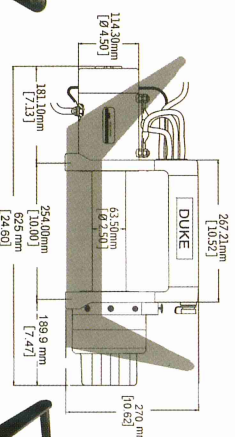
RATED LINE PULL: 10000 LBS. (4540 KGS.) SINGLE-LINE
 MOTOR: 12V 4.6 HP, 24V 2.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 4-STAGE PLANETARY
 GEAR RATIO: 265:1
 CLUTCH (FREESPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"9.0" (6.4CM/23CM)
 WEIGHT: 101 LBS. (46 KGS.)
 WIRE ROPE: .99" 5/16" DIAMETER (30M, 8mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER

12V DC PERFORMANCE SPECS

Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)
0	30(9.14)	67 amps	1/1200(5443)
2000(910)	14(4.27)	140 amps	2/11120(5044)
4000(1810)	8.62(2.63)	210 amps	3/10340(4690)
6000(2720)	6.92(2.11)	250 amps	4/9770(4432)
8000(3630)	5.80(1.77)	320 amps	5/9250(4196)
10000(4540)	4.39(1.34)	370 amps	

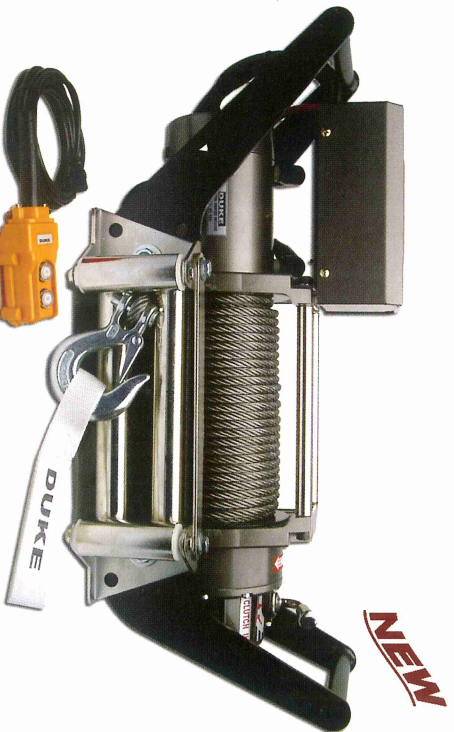
24V DC PERFORMANCE SPECS

Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)
0	31.94(9.57)	24 amps	1/12000(5443)
2000(910)	11.7(3.57)	105 amps	2/11120(5044)
4000(1810)	9.5(2.90)	129 amps	3/10340(4690)
6000(2720)	8.5(2.59)	152 amps	4/9770(4432)
8000(3630)	7.5(2.29)	175 amps	5/9250(4196)
10000(4540)	6.5(1.98)	198 amps	



WINCH SIZE: 27.5" L X 9.8" D X 11"H (700mm L X 250mm D X 280mm H)
 MOUNTING BOLT PATTERN: 10.0" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING: 29.9 L X 14 TD X 14.5 H (753mm L X 360mm D X 370mm H)

DUKE HOIST&WINCH Self-Recovery Winch

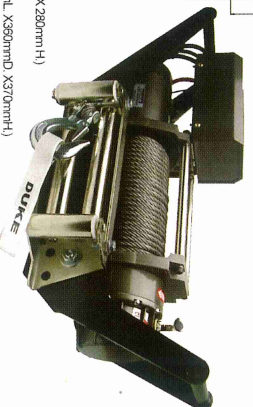
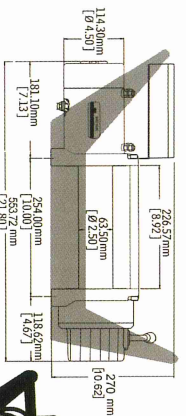


DW-9500M

RATED LINE PULL: 9500 LBS. (4309 KGS.) SINGLE-LINE
 MOTOR: 12V 4.6 HP, 24V 2.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 3-STAGE PLANETARY
 GEAR RATIO: 166:1
 CLUTCH (FREESPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"9.0" (6.4CM/23CM)
 WEIGHT: 99 LBS. (45 KGS.)
 WIRE ROPE: .99" 5/16" DIAMETER (30M, 8mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER

12V DC PERFORMANCE SPECS				
Line Pull Lbs. (Kgs.)	Line Speed FT./min (M/min.)	Motor Current	Pull by layer layer/Lbs (Kgs.)	
0	35.4(10.7)	70 amps	1/9500(4309)	
2000(910)	16.7(5.1)	180 amps	2/8190(3715)	
4000(1810)	12.7(3.8)	255 amps	3/7500(3402)	
6000(2720)	10.6(3.2)	330 amps	4/7010(3180)	
8000(3630)	9.0(2.7)	415 amps	5/6570(2980)	
9500(4390)	7.8(2.3)	485 amps		

24V DC PERFORMANCE SPECS				
Line Pull Lbs. (Kgs.)	Line Speed FT./min (M/min.)	Motor Current	Pull by layer layer/Lbs (Kgs.)	
0	27.2(8.29)	44 amps	1/9500(4390)	
2000(910)	21(6.40)	96 amps	2/8190(3715)	
4000(1810)	17(5.18)	149 amps	3/7500(3402)	
6000(2720)	16(4.88)	180 amps	4/7010(3180)	
8000(3630)	9(2.74)	230 amps	5/6570(2980)	
9500(4390)	5.2(1.58)	285 amps		



WINCH SIZE: 27.5" L X 9.8" D X 11" H (700mm L X 250mm D X 280mm H)
 MOUNTING BOLT PATTERN: 10.0" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING 29.9" L X 14" D X 14.5" H (763mm L X 360mm D X 370mm H)

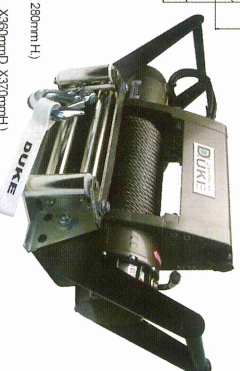
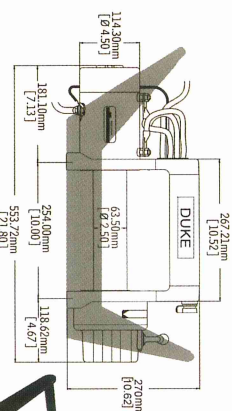


DW-9500iM

RATED LINE PULL: 9500 LBS. (4309 KGS.) SINGLE-LINE
 MOTOR: 12V 4.6 HP, 24V 2.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 3-STAGE PLANETARY
 GEAR RATIO: 166:1
 CLUTCH (FREESPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"9.0" (6.4CM/23CM)
 WEIGHT: 99 LBS. (45 KGS.)
 WIRE ROPE: .99" 5/16" DIAMETER (30M, 8mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER

12V DC PERFORMANCE SPECS				
Line Pull Lbs. (Kgs.)	Line Speed FT./min (M/min.)	Motor Current	Pull by layer layer/Lbs (Kgs.)	
0	35.4(10.7)	70 amps	1/9500(4309)	
2000(910)	16.7(5.1)	180 amps	2/8190(3715)	
4000(1810)	12.7(3.8)	255 amps	3/7500(3402)	
6000(2720)	10.6(3.2)	330 amps	4/7010(3180)	
8000(3630)	9.0(2.7)	415 amps	5/6570(2980)	
9500(4390)	7.8(2.3)	485 amps		

24V DC PERFORMANCE SPECS				
Line Pull Lbs. (Kgs.)	Line Speed FT./min (M/min.)	Motor Current	Pull by layer layer/Lbs (Kgs.)	
0	27.2(8.29)	44 amps	1/9500(4390)	
2000(910)	21(6.40)	96 amps	2/8190(3715)	
4000(1810)	17(5.18)	149 amps	3/7500(3402)	
6000(2720)	16(4.88)	180 amps	4/7010(3180)	
8000(3630)	9(2.74)	230 amps	5/6570(2980)	
9500(4390)	5.2(1.58)	285 amps		



WINCH SIZE: 27.5" L X 9.8" D X 11" H (700mm L X 250mm D X 280mm H)
 MOUNTING BOLT PATTERN: 10.0" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING 29.9" L X 14" D X 14.5" H (763mm L X 360mm D X 370mm H)

HOST WINCH **DUKE[®] Self-Recovery Winch**

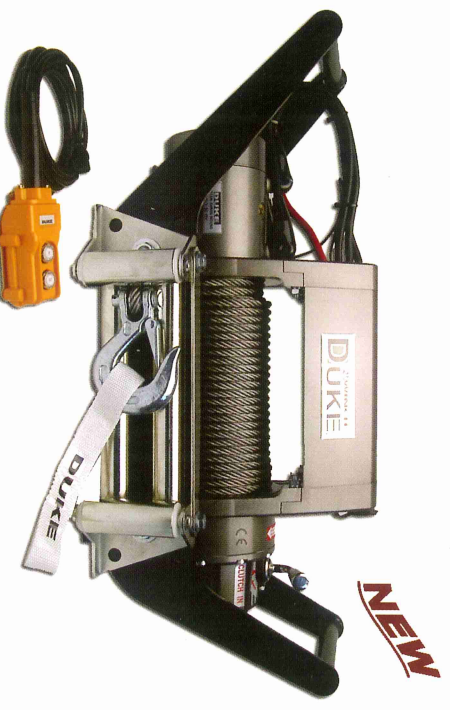


DW-90000M

RATED LINE PULL: 9000 LBS. (4080 KGS.) **SINGLE-LINE**
MOTOR: 12V 4.6 HP, 24V 2.6 HP, **SERIES WOUND**
REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) **LEAD**
GEARTRAIN: 3-STAGE PLANETARY
GEAR RATIO: 156:1
CLUTCH (FREESPOOLING): SLIDING RING GEAR
BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
DRUM DIAMETER/LENGTH: 2.5"/9.0" (6.4CM/23CM)
WEIGHT: 99 LBS. (45 KGS.)
WIRE ROPE: .99", 5/16" **DIAMETER** (30M, 8mm **DIAMETER**)
FAIRLEAD: 4-WAY ROLLER

12V DC PERFORMANCE SPECS				
Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)	
0	38(11.6)	70 amps	1/9000(4082)	
2000(910)	14.4(4.39)	180 amps	2/8190(3715)	
4000(1810)	11(3.35)	255 amps	3/7500(3402)	
6000(2720)	8.67(2.64)	330 amps	4/7010(3180)	
8000(3630)	6.88(2.10)	415 amps	5/6570(2980)	
9000(4080)	6.38(1.94)	460 amps		

24V DC PERFORMANCE SPECS				
Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)	
0	27.2(8.29)	44 amps	1/9000(4082)	
2000(910)	21(6.40)	96 amps	2/8190(3715)	
4000(1810)	17(5.18)	149 amps	3/7500(3402)	
6000(2720)	16(4.88)	180 amps	4/7010(3180)	
8000(3630)	9(2.74)	230 amps	5/6570(2980)	
9000(4080)	5.2(1.58)	270 amps		

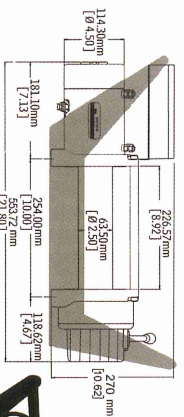


DW-90000iM

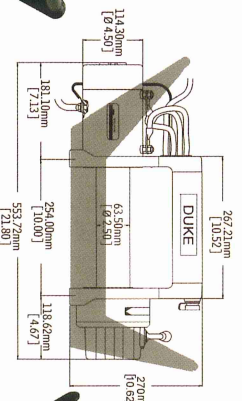
RATED LINE PULL: 9000 LBS. (4080 KGS.) **SINGLE-LINE**
MOTOR: 12V 4.6 HP, 24V 2.6 HP, **SERIES WOUND**
REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) **LEAD**
GEARTRAIN: 3-STAGE PLANETARY
GEAR RATIO: 156:1
CLUTCH (FREESPOOLING): SLIDING RING GEAR
BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
DRUM DIAMETER/LENGTH: 2.5"/9.0" (6.4CM/23CM)
WEIGHT: 99 LBS. (45 KGS.)
WIRE ROPE: .99", 5/16" **DIAMETER** (30M, 8mm **DIAMETER**)
FAIRLEAD: 4-WAY ROLLER

12V DC PERFORMANCE SPECS				
Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)	
0	38(11.6)	70 amps	1/9000(4082)	
2000(910)	14.4(4.39)	180 amps	2/8190(3715)	
4000(1810)	11(3.35)	255 amps	3/7500(3402)	
6000(2720)	8.67(2.64)	330 amps	4/7010(3180)	
8000(3630)	6.88(2.10)	415 amps	5/6570(2980)	
9000(4080)	6.38(1.94)	460 amps		

24V DC PERFORMANCE SPECS				
Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)	
0	27.2(8.29)	44 amps	1/9000(4082)	
2000(910)	21(6.40)	96 amps	2/8190(3715)	
4000(1810)	17(5.18)	149 amps	3/7500(3402)	
6000(2720)	16(4.88)	180 amps	4/7010(3180)	
8000(3630)	9(2.74)	230 amps	5/6570(2980)	
9000(4080)	5.2(1.58)	270 amps		



WINCH SIZE: 27.5" L X 9.8" D X 11" H (700mm L X 250mm D X 280mm H)
 MOUNTING BOLT PATTERN: 100" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING: 29.9" L X 14" T D X 14.5" H (763mm L X 360mm D X 370mm H)



WINCH SIZE: 27.5" L X 9.8" D X 11" H (700mm L X 250mm D X 280mm H)
 MOUNTING BOLT PATTERN: 100" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING: 29.9" L X 14" T D X 14.5" H (763mm L X 360mm D X 370mm H)

HOST WINCH **DUKE® Self-Recovery Winch**

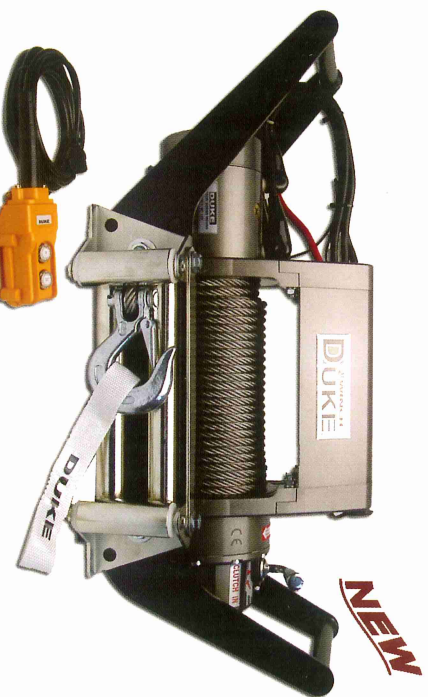


DW-8000iM

RATED LINE PULL: 8000 LBS. (3630 KGS.) SINGLE-LINE
 MOTOR: 12V 4.6 HP, 24V 2.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 3-STAGE PLANETARY
 GEAR RATIO: 156:1
 CLUTCH (FREESPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"/9.0" (6.4CM/23CM)
 WEIGHT: 99 LBS. (45 KGS.)
 WIRE ROPE: 99', 5/16" DIAMETER (30M, 8mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER

12V DC PERFORMANCE SPECS				
Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)	
0	42(12.8)	80 amps	1/8000(3629)	
2000(910)	16(4.88)	200 amps	2/7280(3302)	
4000(1810)	11.9(3.63)	285 amps	3/6670(3026)	
6000(2720)	9.79(2.98)	350 amps	4/6230(2826)	
8000(3630)	8.01(2.44)	435 amps		

24V DC PERFORMANCE SPECS				
Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)	
0	27.3(8.32)	46 amps	1/8000(3629)	
2000(910)	17.1(5.21)	99 amps	2/7460(3384)	
4000(1810)	12.6(3.84)	145 amps	3/3980(3166)	
6000(2720)	10.3(3.14)	190 amps	4/6620(3003)	
8000(3630)	8.8(2.68)	235 amps		

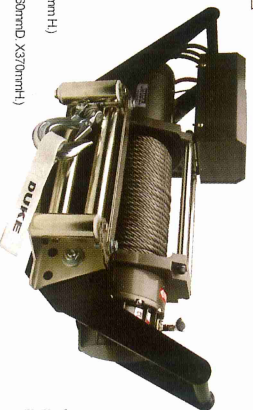
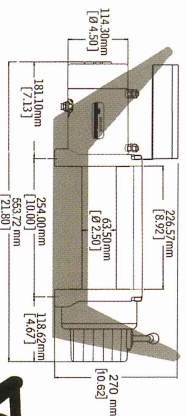


DW-8000iM

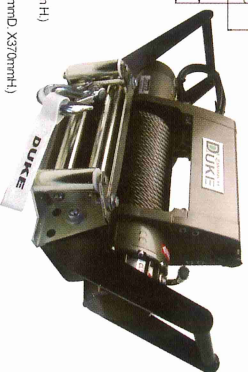
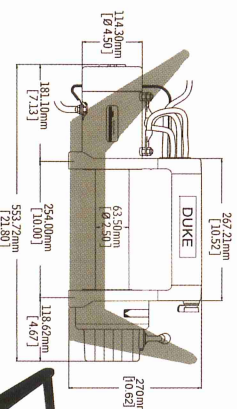
RATED LINE PULL: 8000 LBS. (3630 KGS.) SINGLE-LINE
 MOTOR: 12V 4.6 HP, 24V 2.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 3-STAGE PLANETARY
 GEAR RATIO: 156:1
 CLUTCH (FREESPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"/9.0" (6.4CM/23CM)
 WEIGHT: 99 LBS. (45 KGS.)
 WIRE ROPE: 99', 5/16" DIAMETER (30M, 8mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER

12V DC PERFORMANCE SPECS				
Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)	
0	42(12.8)	80 amps	1/8000(3629)	
2000(910)	16(4.88)	200 amps	2/7280(3302)	
4000(1810)	11.9(3.63)	285 amps	3/6670(3026)	
6000(2720)	9.79(2.98)	350 amps	4/6230(2826)	
8000(3630)	8.01(2.44)	435 amps		

24V DC PERFORMANCE SPECS				
Line Pull Lbs.(Kgs.)	Line Speed FT./min(M/min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)	
0	27.3(8.32)	46 amps	1/8000(3629)	
2000(910)	17.1(5.21)	99 amps	2/7460(3384)	
4000(1810)	12.6(3.84)	145 amps	3/3980(3166)	
6000(2720)	10.3(3.14)	190 amps	4/6620(3003)	
8000(3630)	8.8(2.68)	235 amps		



WINCH SIZE: 27.5" L X 9.8" D X 11" H (700mm L X 250mm D X 280mm H)
 MOUNTING BOLT PATTERN: 10.0" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING 29.9" L X 14" D X 14.5" H (763mm L X 360mm D X 370mm H)



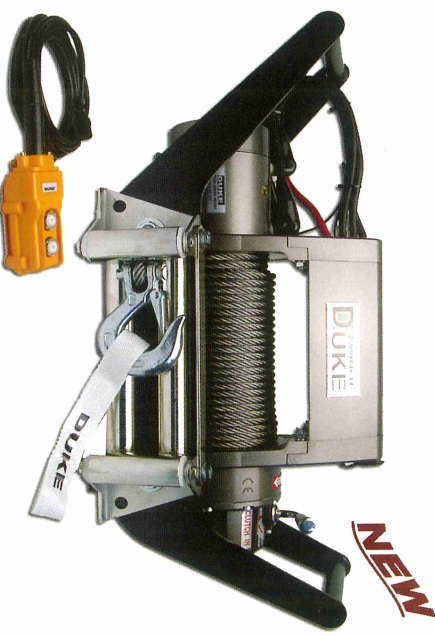
WINCH SIZE: 27.5" L X 9.8" D X 11" H (700mm L X 250mm D X 280mm H)
 MOUNTING BOLT PATTERN: 10.0" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING 29.9" L X 14" D X 14.5" H (763mm L X 360mm D X 370mm H)

DUKE HOLST&WINCH Self-Recovery Winch



DW-60000M

RATED LINE PULL: 6000 LBS. (2720 KGS.) SINGLE-LINE
 MOTOR: 12V 3.6 HP, 24V 2.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 3-STAGE PLANETARY
 GEAR RATIO: 156:1
 CLUTCH (FREESPPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"9.0" (6.4CM/23CM)
 WEIGHT: 97 LBS. (44 KGS.)
 WIRE ROPE: .99", 5/16" DIAMETER (30M, 8mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER

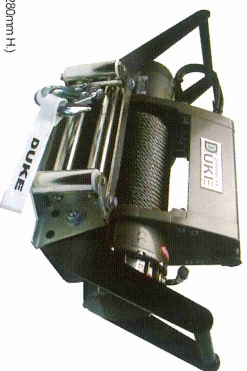
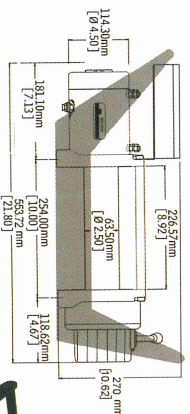


DW-60000iM

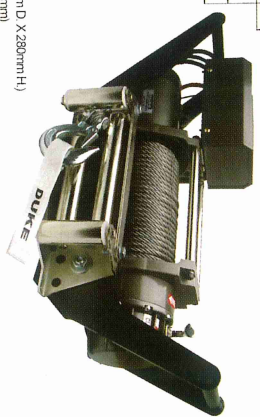
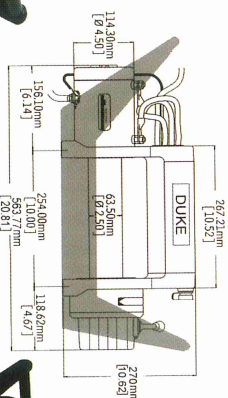
RATED LINE PULL: 6000 LBS. (2720 KGS.) SINGLE-LINE
 MOTOR: 12V 3.6 HP, 24V 2.6 HP, SERIES WOUND
 REMOTE CONTROL: REMOTE SWITCH, 16' (5 M) LEAD
 GEARTRAIN: 3-STAGE PLANETARY
 GEAR RATIO: 156:1
 CLUTCH (FREESPPOOLING): SLIDING RING GEAR
 BRAKE: AUTOMATIC DIRECT DRIVE BRAKE
 DRUM DIAMETER/LENGTH: 2.5"9.0" (6.4CM/23CM)
 WEIGHT: 97 LBS. (44 KGS.)
 WIRE ROPE: .99", 5/16" DIAMETER (30M, 8mm DIAMETER)
 FAIRLEAD: 4-WAY ROLLER

12V DC PERFORMANCE SPECS				
Line Pull Lbs. (Kgs.)	Line Speed FT./min(M./min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)	
0	48.5(14.8)	85 amps	1/6000(2722)	
2000(910)	23.7(7.22)	175 amps	2/5460(2477)	
4000(1810)	12.9(3.93)	360 amps	3/5000(2268)	
6000(2720)	10.0(3.05)	465 amps	4/4670(2118)	
24V DC PERFORMANCE SPECS				
Line Pull Lbs. (Kgs.)	Line Speed FT./min(M./min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)	
0	37.1(11.31)	46 amps	1/6000(2722)	
2000(910)	20.3(6.19)	121 amps	2/5460(2477)	
4000(1810)	14.4(4.39)	185 amps	3/5000(2268)	
6000(2720)	11.2(3.41)	249 amps	4/4670(2118)	

12V DC PERFORMANCE SPECS				
Line Pull Lbs. (Kgs.)	Line Speed FT./min(M./min.)	Motor Current	Pull by layer layer/Lbs(Kgs.)	
0	48.5(14.8)	85 amps	1/6000(2722)	
2000(910)	23.7(7.22)	175 amps	2/5460(2477)	
4000(1810)	12.9(3.93)	360 amps	3/5000(2268)	
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2000(910)	20.3(6.19)	121 amps	2/5460(2477)	
4000(1810)	14.4(4.39)	185 amps	3/5000(2268)	
6000(2720)	11.2(3.41)	249 amps	4/4670(2118)	



WINCH SIZE: 27.5" L X 9.8" D X 11" H (700mm L X 250mm D X 280mm H)
 MOUNTING BOLT PATTERN: 10.0" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING: 29.9" L X 14.1" D X 14.5" H (759mm L X 359mm D X 370mm H)



WINCH SIZE: 27.5" L X 9.8" D X 11" H (700mm L X 250mm D X 280mm H)
 MOUNTING BOLT PATTERN: 10.0" X 4.5" (254mm X 114.3mm)
 PACKAGE BOX DIMENSING: 29.9" L X 14.1" D X 14.5" H (759mm L X 359mm D X 370mm H)

**4-WAY ROLL
FAIRLEAD**



WP-0101

WP-0101 FOR.... DU-8000S / DU-2000

WP-0102 FOR.... DW-12000 / DW-12000i / DW-12000M / DW-12000iM
DW-10000 / DW-10000i / DW-10000M / DW-10000iM
DW-9500 / DW-9500i / DW-9500M / DW-9500iM
DW-9000 / DW-9000i / DW-9000M / DW-9000iM
DW-8000 / DW-8000i / DW-8000M / DW-8000iM
DU-9000 / DU-9000A / DU-8000 / DU-8000A
DU-9000M / DU-8000M



WP-0102

**SOLENOID
PACK**

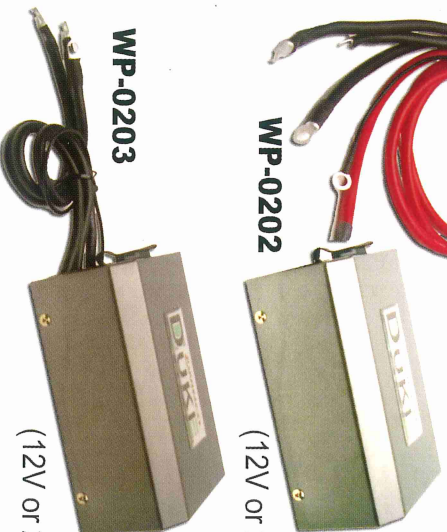
(12V or 24V)



WP-0201

WP-0201 FOR.... DW-12000i / DW-12000iM
DW-10000i / DW-10000iM
DW-9500i / DW-9500iM
DW-9000i / DW-9000iM

(12V or 24V)



WP-0202

WP-0202 FOR.... DU-9000 / DU-9000A
DU-8000 / DU-8000A
DU-9000M / DU-8000M
DU-8000S

(12V or 24V)



WP-0203

WP-0203 FOR.... DW-12000 / DW-12000M
DW-10000 / DW-10000M
DW-9500 / DW-9500M
DW-9000 / DW-9000M

**MOUNTING
CHANNEL**



WP-0301

WP-0301 FOR.... DW-12000 / DW-12000i
DW-10000 / DW-10000i
DW-9500 / DW-9500i
DW-9000 / DW-9000i
DW-8000 / DW-8000i
DU-9000 / DU-9000A
DU-8000 / DU-8000A



WP-0302

WP-0302 FOR.... DW-12000 / DW-12000M
DW-10000 / DW-10000M
DW-9500 / DW-9500M
DW-9000 / DW-9000M
DU-9000M / DU-8000M

HOOK



WP-0401

WP-0401.....MAX PULL:13000 LBS(5896 KG)

BOW SHACKLE



WP-0501

WP-0501.....MAX SHACKLE:13000 LBS(5896 KG)

SNATCH BLOCK



WP-0601

WP-0601.....MAX PULL:13000 LBS(5896 KG)

WIRE ROPE WITH HOOK



**WP-0701
WP-0702
WP-0703**

WP-0701.....92' X 13/32" (28M X 10mm)
WP-0702.....99' X 5/16" (30M X 8mm)
WP-0703.....66' X 7/32" (20M X 5mm)

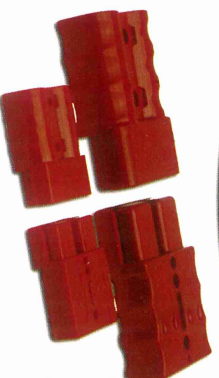
DC SOLENOID



**WP-0801
WP-0802**

WP-0801.....DC12V 400 A
WP-0802.....DC 24V 200 A

QUICK CONNECTOR



**WP-0901
WP-0902**

WP-0901.....12V/24V 180A
WP-0902.....12V/24V 50A

REMOTE SWITCH



WP-1001

WP-1001....5A

SWITCH WITH CORD



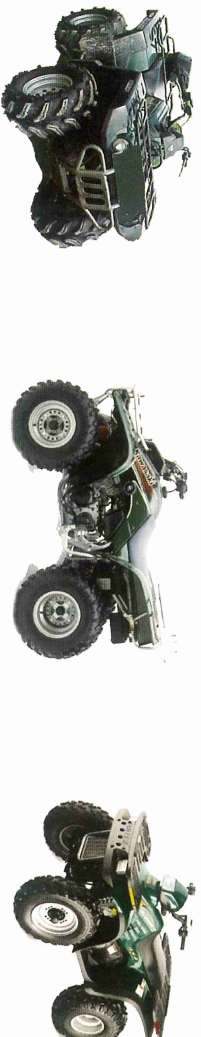
WP-1002

WP-1002.....5A CORD: 17' (5M)

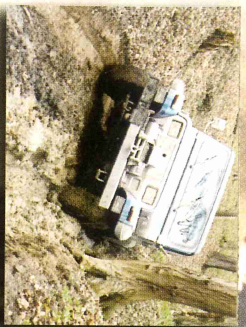
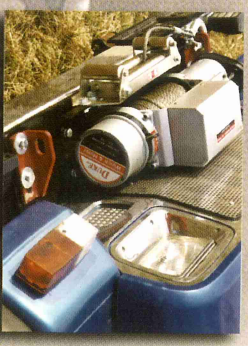
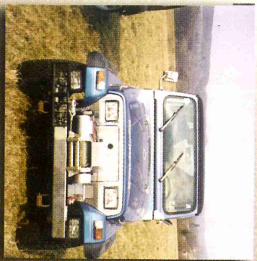
SELF-RECOVERY WINCH MOUNTING SYSTEM



ATV WINCH MOUNTING SYSTEM

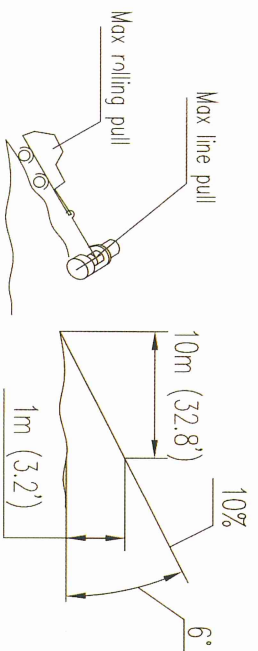


WINCH APPLIED EXAMPLE



road condition factor Kr

1. Maximum rolling pull and road condition factor



$$\text{Maximum rolling pull} = \frac{\text{Maximum line Pull}}{\text{road factor: Kr}}$$

2. Max boat weight

Max boat weight = Winches' Max line pull x Kc

"Kc": Ratio of winches' working conditions, Rely on the boat size and winch working condition, commonly take it from 1 to 3.

3. Relations between working layer and winch capacity.

There are different line pulls while winch is working in different layers, The rated line pull indicates working at the first layer, when it does not work at the first layer, you should get the current layer's line pull from the following formula as well as line speed and cable capacity.

$$K_n = \frac{1 + d / D}{1 + [2(n-1) + 1](d / D)}$$

$$F_n = F \times K_n \quad V_n = V / K_n$$

$$L_n \approx L1(1/K1 + 1/K2 + \dots + 1/Kn) - 3.14(n - 0.5)(D + d) / K_n$$

In the formula, "n": current working layer; "d": diameter of cable; "D": diameter of drum; "F": rated line pull eq "F1"; "Fn": rated line pull of current layer; "Vn": current line speed; "Ln": current cable capacity; "Kn": factor of variation of current layer.

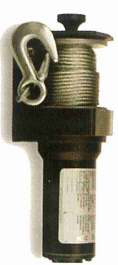
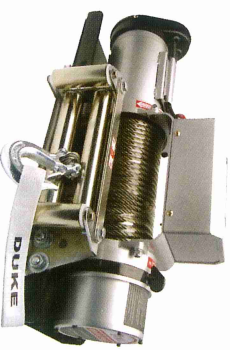
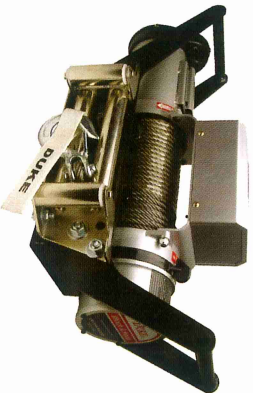
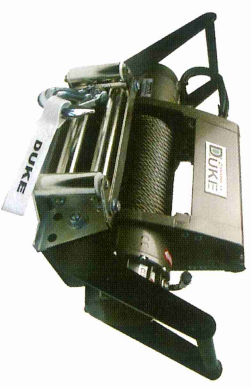
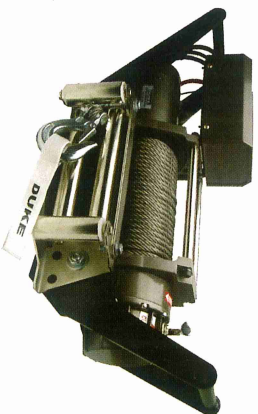
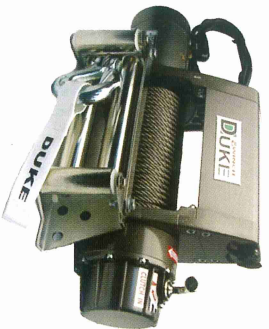
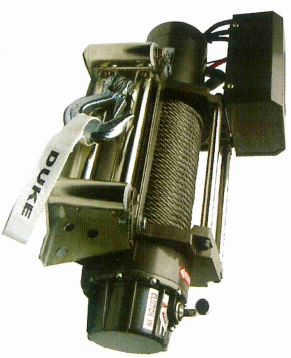
Factor of "Kn" shows the relations of diameter between cable and drum; the less the easier causing the cable broken, to select the winch's "Kn" bigger as possible.

4. Winch's line pull selection, generally using a winch for vehicle should be given the winch's Max line pull according to the following experienced formula.

The Max Line pull = (Vehicle's curb weight and Weight which carried) x Kf

"Kf" is reliability of winch's working; commonly take it more than 1.5 ; ensure you using a winch overcome the high force generated in all kinds of conditions such as Load vary with current layer、potential safety hazards added resistance caused by the special obstacle etc. you should carefully consider "Kf" Never less than 1.5 . If your winch will working frequently you should take "Kf" much more than 1.5.

Road surface	No friction	Sand	Soft sand	Mud	Marsh
GWgradient	road condition factor : Kr				
(0°)	0	0.21	0.26	0.38	0.61
5% (3°)	0.05	0.26	0.31	0.43	0.66
10% (6°)	0.1	0.31	0.36	0.48	0.71
20% (11°)	0.2	0.40	0.45	0.57	0.79
30% (17°)	0.3	0.49	0.54	0.66	0.87
40% (22°)	0.38	0.58	0.62	0.73	0.95
50% (27°)	0.45	0.65	0.69	0.80	1.00
60% (31°)	0.52	0.70	0.74	0.85	1.05
70% (35°)	0.6	0.75	0.80	0.89	1.10
100% (45°)	0.72	0.88	0.90	0.98	1.15



WARNING

The winches are not designed to use as hoists for lifting, moving or transportation people. A minimum of five wraps of cable must be left on drum to support rated load.

