

The CSW-6/7/9 “Classic” winches are A.G.O.’s foundational winch models. The 6/7/9 number designation refers generally to the overall size of the winch.

The welded tube-and-plate frame is more expensive than equivalent DBW-5 or 6 winches, but may be the best option for fringe applications requiring odd drum proportions that can’t fit within other standard A.G.O. winch models.

Typical dims*	38”L x 27”W x 42”H (L & H can vary widely depending on drum size)
Typical weight*	~400 lbs (but can vary widely depending on drum size)
Standard supported power sources	110VAC single-phase power (only for 1HP drivetrains) 220VAC single-phase or three-phase power

* Dimensions do not include slip ring width. Weight does not include drum cable. Dimensions and weight are only approximate and will vary depending on each winch’s specific drum, drivetrain, and feature configuration.

Features and add-ons

Dog clutch for freewheeling	Included
Drum pin lock	Included
Drum manual disk brake	Included
Manual backup auxiliary drivetrain	Not compatible
Lifting handles for manual portability	Included
Levelwind	Add-on
Slip ring	Add-on
One-way drum ratchet	Add-on
Recovery assistance brake winch	Not compatible
Encoder wire counting system	Add-on
Tension-limiting slip clutch	Conditional add-on
Winch-mounted A-frame boom	Not compatible



Operation interface options

	Local	Wired remote	Dual
Simple controls	Option	Option	Option
Joystick	Not compatible	Option	Not compatible
Belly pack		Option	

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The DBW-5 is a small winch model typically recommended for low cable capacity applications that can tolerate lower line speeds. The DBW-5V is a “vertical” variation of the frame that offers a slightly smaller footprint compared to the default DBW-5.

The bolt-together plate-and-crossbar frame design helps lower the DBW-5/5V’s cost compared to equivalent welded-frame winches in A.G.O.’s lineup.

	DBW-5	DBW-5V
Typical dims*	38”L x 25”W x 20”H	29”L x 25”W x 36”H
Typical weight*	~250 lbs	~300 lbs
Standard supported power sources	110VAC or 220VAC single-phase power	

* Dimensions do not include slip ring width. Weight does not include drum cable. Dimensions and weight are only approximate and will vary depending on each winch’s specific drum, drivetrain, and feature configuration.

Features and add-ons

Dog clutch for freewheeling	Included
Drum pin lock	Included
Drum manual disk brake	Included
Manual backup auxiliary drivetrain	Included
Lifting handles for manual portability	Included
Levelwind	Add-on
Slip ring	Add-on
One-way drum ratchet	Add-on
Recovery assistance brake winch	Add-on
Encoder wire counting system	Not compatible
Tension-limiting slip clutch	Conditional add-on
Winch-mounted A-frame boom	Conditional add-on



Operation interface options

	Local	Wired remote	Dual
Simple controls	Included	Upgrade	Upgrade
Joystick	Not compatible	Upgrade	Not compatible
Belly pack	Not compatible		

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The DBW-6 is A.G.O.'s current most multipurpose standard winch model. It is primarily designed for side scan sonar surveying, but its frame fits a versatile drum size and a variety of drivetrain configurations that make it suitable for a wide range of applications.

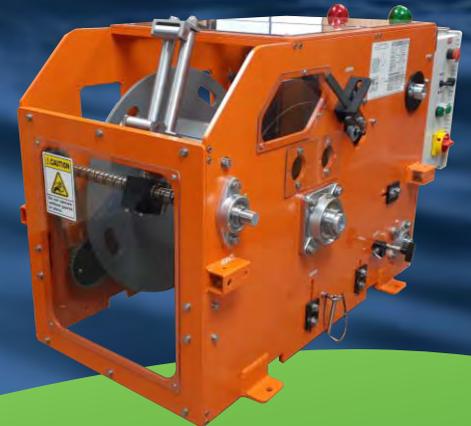
The bolt-together plate-and-crossbar frame design helps lower the DBW-6's cost compared to equivalent welded-frame winches in A.G.O.'s lineup.

Typical dims*	47"L x 26"W x 30"H
Typical weight*	~420 lbs
Standard supported power sources	110VAC single-phase power (only for 1HP drivetrains) 220VAC single-phase or three-phase power

* Dimensions do not include slip ring width. Weight does not include drum cable. Dimensions and weight are only approximate and will vary depending on each winch's specific drum, drivetrain, and feature configuration.

Features and add-ons

Dog clutch for freewheeling	Included
Drum pin lock	Included
Drum manual disk brake	Included
Manual backup auxiliary drivetrain	Included
Lifting handles for manual portability	Included
Levelwind	Add-on
Slip ring	Add-on
One-way drum ratchet	Add-on
Recovery assistance brake winch	Add-on
Encoder wire counting system	Add-on
Tension-limiting slip clutch	Conditional add-on
Winch-mounted A-frame boom	Conditional add-on



Operation interface options

	Local	Wired remote	Dual
Simple controls	Option	Option	Option
Joystick	Not compatible	Option	Not compatible
Belly pack	Not compatible	Option	Not compatible

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AGO

ENVIRONMENTAL ELECTRONICS LTD

Product brochure:

**SAMPLE
CSW-10 WINCH**

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SAMPLE BROCHURE DISCLAIMER

The specs listed in this brochure are only applicable to the specific winch configuration this brochure is based on, and may not be relevant to or appropriate for other applications.

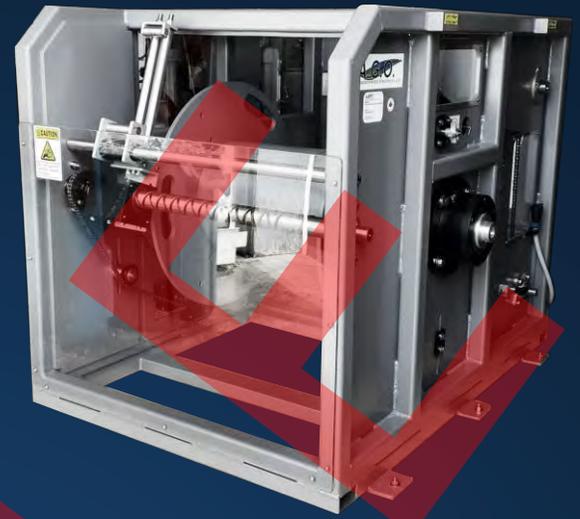
The actual winch features, options, drivetrain configuration and resultant line pull, line speed, and electric brake holding capabilities for a given application may be different from those specified in this sample brochure, and will be assessed by A.G.O. prior to quoting according to each customer's specific application requirements.

A.G.O. is not responsible for resellers who choose to quote or spec winches to their customers based on this brochure without first checking with A.G.O. that the winch is appropriate for the customers' applications. Resellers who choose to do this risk selling winches that are not actually capable enough for the clients' applications.

This brochure can be used a basic reference for approximate CSW-10 winch size and weight, and an example of its potential capabilities and some common available options. Other capabilities, features, options, and customization opportunities may be available beyond what is listed in this sample brochure.

OVERVIEW

The CSW-10 is A.G.O. Environmental Electronics' largest and most powerful winch model, capable of supporting up to 5HP motors and large, 20" wide drums for fitting large cable capacities. It features a strong welded aluminum plate-and-tube frame that makes it much lighter compared to similarly sized steel-frame winches. Its fully enclosed frame helps meet common equipment safety requirements, and like all A.G.O. electric winches, it includes features for emergency manual hand cranking to recover payloads in power-loss events.



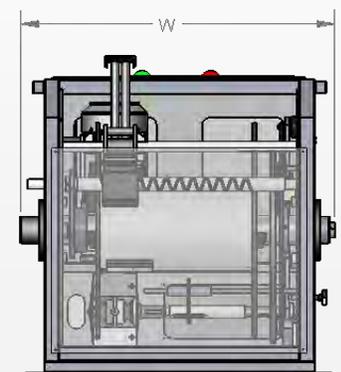
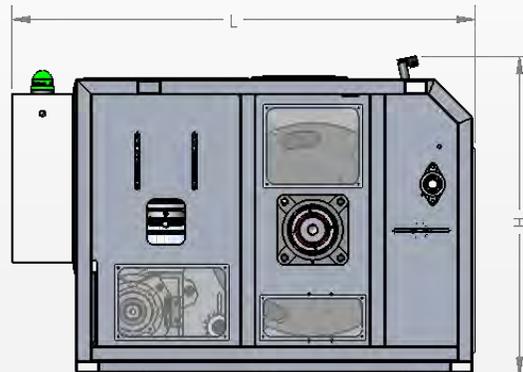
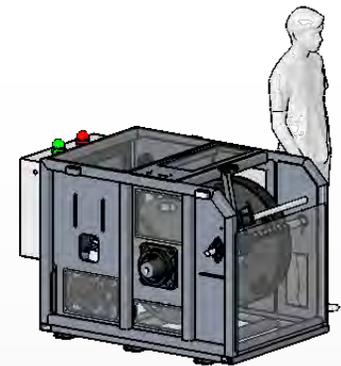
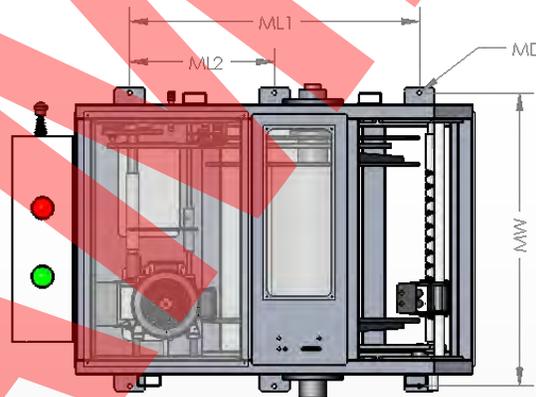
Rated capabilities

Cable capacity	Up to 1000m of 11mm A303613 armoured coax cable	
	Core	Full drum
Line speed	0 to ~65.3 ft/min (19.9 m/min)	0 to ~101.4 ft/min (30.9 m/min)
Maximum line pull	1391 lbs (631 kg)	944 lbs (428 kg)
Electric brake hold	4308 lbs (1954 kg)	2752 lbs (1248 kg)

Drivetrain has been configured specifically according to the loads expected during use when recovering the weight of the specified cable and a Klein 3900, 5000V2, or MA-X View 600 with K-Wing I and magnetometer towed at up to 5 knots during recovery. Check with A.G.O. to verify winch capabilities before using winch with other cable and payload combinations.

Nominal dimensions

Weight	979 lbs 444 kgs
L	65 in 165 cm
W	50 in 127 cm
H	41 in 104 cm
ML1	39.5 in 100.33 cm
ML2	19.75 in 50.2 cm
MW	39.5 in 100.33 cm
MD	For 1/2" bolts For M12 bolts



Exact dimensions may vary slightly from nominal. Overall weight varies depending on winch's specific drivetrain and feature configuration. Images shown may not represent all features quoted.

FEATURES AND OPTIONS

Drivetrain		Upgradable?
Motor	TechTop 5HP 1800RPM 182TC IP55 painted aluminum 3-ph AC motor	Yes ¹
Electric brake	KEB 25ft-lb 182TC NEMA4X aluminum electric brake	
Gearbox	Varvel RT110 40:1 sealed aluminum right-angle gearbox	
Chain	Tsubaki Neptune #60 steel chain with specialty corrosion-resistant plating	
Sprockets	26:84 steel sprockets	
Bearings	Standard painted cast iron housings with steel bearing inserts	Yes ²

Mechanical features included on winch		Upgradable?
Levelwind	Stainless steel diamond reversing screw mechanical levelwind system driven from drum by sprocket-and-chain drivetrain	
Dog clutch	Dog clutch integrated into drivetrain can be manually disengaged to allow the drum to freewheel for rapid payout or emergency manual hand crank recovery	
Sprocket-assisted manual backup	Additional peripheral sprocket-and-chain drivetrain makes manual hand cranking of heavy loads easier in emergencies	
Drum disk brake	Drum includes manually-actuated anodized aluminum disk brake in addition to winch's electric brake for controlling drum speed during freewheeling and manual hand cranking	
Drum pin lock	Brake disk can have a pin inserted through holes around its edge to hard-lock the drum and prevent rotation	

Electrical features included on winch		Upgradable?
Winch input power	Winch requires 208-230VAC 1-phase power, 50 or 60Hz (specs calculated for nominal 60Hz input)	Yes ³
Operation interface	3m wired remote joystick controller with E-stop	Yes ⁴
Status indicators	Winch includes two bright beacon lights on electrical enclosure: Green = Winch is running, Red = E-Stop active	
Cable lengths	3m (10ft) long power cable, 3m (10ft) long joystick cable	Yes ⁵
Slip ring	Mounting adapter hardware included for customer-install of Klein Focal 180 slip ring	

Available upgrade options

All options will incur additional costs

- Motor upgrade:** 5HP 1800RPM 182TC **IP69K stainless steel** 3-ph AC motor
- Bearing upgrade:** **Thermoplastic housings with stainless steel bearing inserts** upgrade available for dog clutch and levelwind bearings only
- Alternative input power:** 208-230VAC **3-phase** or **380VAC 3-phase** input power can also be supported
- Operation interface upgrade:** **Dual control** with local winch-integrated joystick in addition to wired joystick
- Cable length upgrade:** Extended cable lengths available to suit site needs
- Wire counting:** EWC-6 wire counting system with magnetically encoded snatch block sheave and 5m cable between sheave and EWC display unit (extended cable length also available)