

Air Winches

Harken Air winches feature a set of interchangeable gearing kits that give skippers the flexibility to create a perfect blend of speed and power for each day's weather and crew configuration. The winches, which feature a nearly empty middle to reduce weight, were designed for trimming sails on AC foiling cats, IMOCA 60s, AC75s, TP52s and similar Grand Prix boats.

The hollow middle is a first for sailing winches, as are the changeable gear kits. All Harken Air winch models feature interchangeable first-speed and second-speed options. The wide-diameter drums allow fewer wraps, faster trimming, and faster easing. Standard and counter-rotating versions are available. The winches have a low-profile design. Available in four models: 250, 300, 550, and 600.

The 250 and 300 models are designed for boats up to 17 m (56'). The 550 and 600 models are designed for boats up to 24.4 m (80'). The 250 and 550 feature a high-performance ceramic coated white drum. The 300 and 600 versions of the winch feature an anodized aluminum drum.

The 250 and 550 are designed for new builds and are mounted in a unique way: the base of the winch is molded into the deck by the boatbuilder. The 300 and 600 have a standard winch base that can be mounted on either new builds or retrofits.

All models can be driven by pedestal or handle. The 300 can be powered by electric or hydraulic motor.



Air winch 250
aboard a TP52



Air winch 250
Air winch 550



Air winch 300
Air winch 600

Product not stocked. Contact Harken to request quote and lead time.



TP52 © Max Ranchi

Part No.	Gear ratio			Power ratio		
	1	2	3	1	2	3
Air winch 250	1.34:1	6.40:1	25.42:1	3.42:1	16.27:1	64.57:1
Air winch 300	1.34:1	6.40:1	25.42:1	3.42:1	16.27:1	64.57:1
Air winch 550	1.30:1	10.58:1	47.98:1	2.21:1	17.92:1	81.25:1
Air winch 600	1.30:1	10.58:1	47.98:1	2.21:1	17.92:1	81.25:1

Part No.	Drum		Base		Height		Weight		Line Ø		Line entry height		Fastener circle		Fasteners
	in	mm	in	mm	in	mm	lb	kg	Min	Max	in	mm	in	mm	
Air winch 250	7 7/8	200	10 21/32	271	5 3/4	146	16.1	7.3	3/16	5	3/8	10	1 15/16	50	
Air winch 300	7 7/8	200	10 21/32	271	6	153	17.0	7.7	3/16	5	3/8	10	2 1/4	57	5 x M8
Air winch 550	11 13/16	300	14 15/16	380	6 7/8	174	27.3	12.4	1/4	6	1/2	12	2 7/16	61	
Air winch 600	11 13/16	300	14 15/16	380	7 3/16	182	32.6	14.8	1/4	6	1/2	12	2 3/4	69	7 x M10