

INDUSTRIAL AIR WINCHES

- **Quick "Dog" clutch** allows the easy payout of wire rope. For safety, as standard this is disengaged, however it can be activated upon customer request prior to or after delivery, the clutch mechanism is found to be useful for certain applications.
- The **spool valve** controls the speed and it is the common design for all models. The positive control spool valve gives the operator excellent control over the speed on both winding in and out of the wire rope.
- **Dual brake system:** Having the dual brake system provides maximum safety! One automatic FAILSAFE brake is activated instantly even if the air supply is lost and operator holds activation lever "open" - providing the ultimate in safety! A secondary manual band brake is located on the winch as well.
- **Simple and Robust design:** The design of these winches makes them very durable especially in dirty and humid environments. We have units that are over 20 years old still in service and parts readily available!
- **Cast iron housing** is robust and durable - this allows the unit to be suitable for a wide range of applications, including underground mining and other hazardous areas.
- **Easy servicing:** The simple design means easy servicing, especially on site. The rotary vane motor can withstand certain contaminants better than other designs. The access to the motor is very quick and easy and can be achieved by simply removing one end cap without having to dismantle other components - saving you time!
- **Rated to lifting capacity at FULL DRUM,** unlike some other winches that are rated to mid drum, you know what your limits are up front - at full drum.

Specifications: TAW AIR WINCH Series 500-2000kg Lifting Capacity

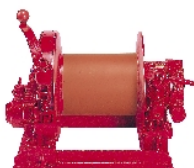
Model	Lifting Capacity At top layer (kg)	Air Pressure (MPa)	Rope Speed (m/min)	Air Cons (m³/min)	Weight (kg)	Standard Wire Rope Dimension see next page for more options (mm×m)	Hose Size (mm)	Mounting Bolts (mm)
TAW-500	500	0.4 0.5 0.6	15.0 17.8 20.0	2.7 3.1 3.4	75	8x100	19.0	M12x4
TAW-1000	1,000	0.4 0.5 0.6	7.8 10 11.5	3.2 3.6 3.9	90	10x114	19.0	M12x6
TAW-1500	1,500	0.4 0.5 0.6	5.9 7.3 8.5	3.2 3.7 4.1	90	12x60	19.0	M12x6
TAW-2000	2,000	0.4 0.5 0.6	4.3 5.2 5.7	4.1 4.5 4.9	130	16x63	19.0	M12x6

*Available operating air pressure is from 0.4 MPa to 0.6 MPa.

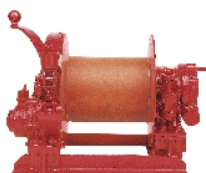
TAW-500



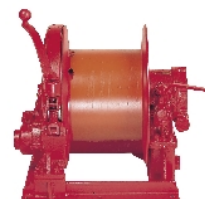
TAW-1000



TAW-1500



TAW-2000



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TAW AIR WINCH

Maximum Wire Rope Length

Wire Rope Diameter	TAW-500 (m)	TAW-1000 (m)	TAW-1500 (m)	TAW-2000 (m)
4	444	793	793	1302
5	266	515	515	816
6	187	323	323	538
8	100	165	165	300
10		114	114	184
12		60	60	106
13				98
14				71
16				63
Fixing Rope Hole Diameter	9.5	13.5	13.5	17.5

* WORKED OUT BASED ON JIS B8813