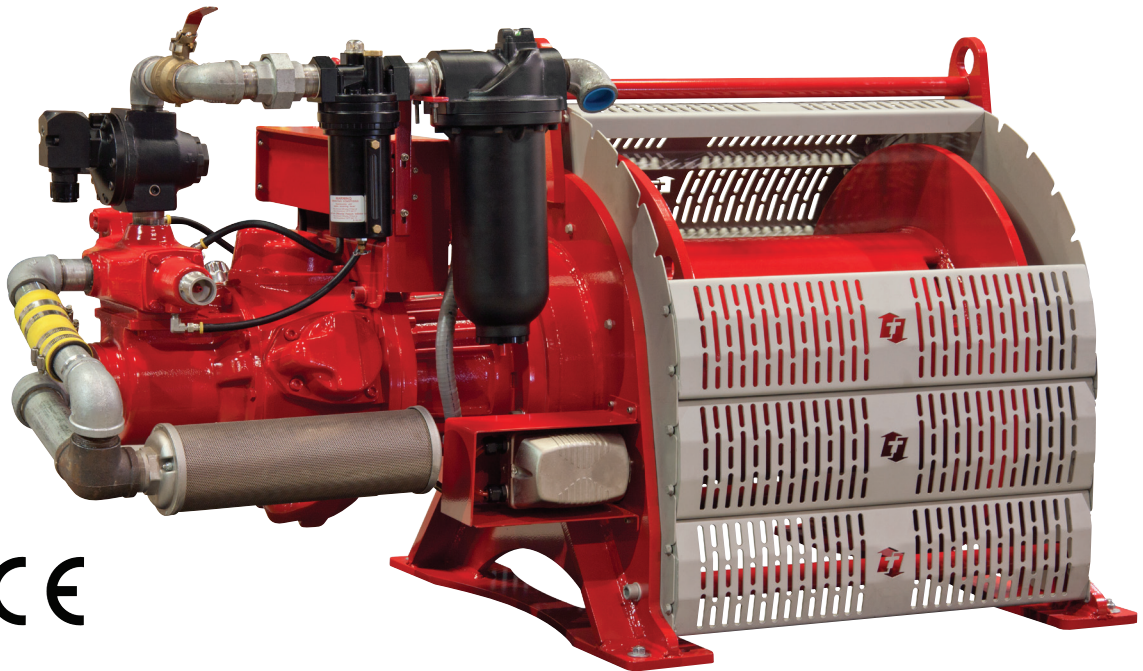


# TA5C SERIES



## C-Series Air Winch

Thern's C-Series Air Winches feature new innovations that make them faster, lighter, safer, more versatile, and more corrosion-resistant than ever before. The new winches are designed in accordance with DNV standards, and DNV Type Approval is available across the new range.



CE

- Welded Steel Frame
- Removable Lifting Eyes
- Radial Piston Motor
- Automatic Disc Brake
- E-Stop as Standard
- Planetary Gears
- Neutral Lock Control Valve
- NORD-LOCK Washers
- Dual Direction Wedge Cable Anchor
- Meets ASME 30.7 Requirements
- Overload Protection
- High Corrosion Resistance
- Industry-Leading 2-Year Limited Warranty
- DNV Type Approval Available
- CE Packages Available

Thern products are not for lifting people or things over people.

5712 Industrial Park Rd, Winona, MN 55987 n [www.thern.com](http://www.thern.com) n Ph: 800-843-7648 n Fax: 507-454-5282

# TA5C FEATURES

## ■ TA5C OPTIONS & ACCESSORIES

### **FILTER and LUBRICATOR**

Maintains air quality to the winch. Required for warranty compliance.

### **DNV TYPE APPROVAL PACKAGE**

Compliant with DNV OS-E101 drilling plant. Individual product certification (available as an option). **Includes:** 3.1 Material traceability, -20°C (-4°F) design and a choice of emergency lowering devices.

### **CE PACKAGE**

Compliance with European machinery directive 2006/42/EC. **Includes:** single muffler, drum guard and travel limits.

### **ATEX CLASSIFICATION**

Specially rated for use in explosive settings. This custom option is available upon request.

### **LINE GUIDE**

Steel construction and hand operated to help wire rope unwind uniformly.

### **ADJUSTABLE DRUM GUARD**

Protects operators yet allows visibility of wire rope winding. Fasteners and drum guard are coated with Magni 567 or are stainless steel for corrosion protection.

### **DRUM LOCK**

Locks out the drum securely in desired position when winch is not in use.

### **PENDANT or REMOTE CONTROL**

Pendant or Remote control configurations are hold-to-run and come standard with E-stop.

### **EMERGENCY LOWERING OPTIONS**

Load lowering capability in case of power failure. Options include power diversion and emergency brake release.

### **GROOVED DRUM**

For more uniform wire rope winding. A custom option available upon request.

### **ELECTRIC-OVER-AIR CONTROLS**

Electric proportional control. This option not available on standard DNV type approved winches.

### **HEAT GUARD FOR BRAKE**

Prevents unintended contact with brake.

### **PRESSURE ROLLER BAR**

Maintains uniform winding of wire rope.

### **MUFFLERS**

Reduce operation noise. Single or double available.

### **TRAVEL LIMITS**

Pneumatic rotary travel limits with quick response time, limits travel in both directions.

### **MOUNTING PATTERN ADAPTER PLATE**

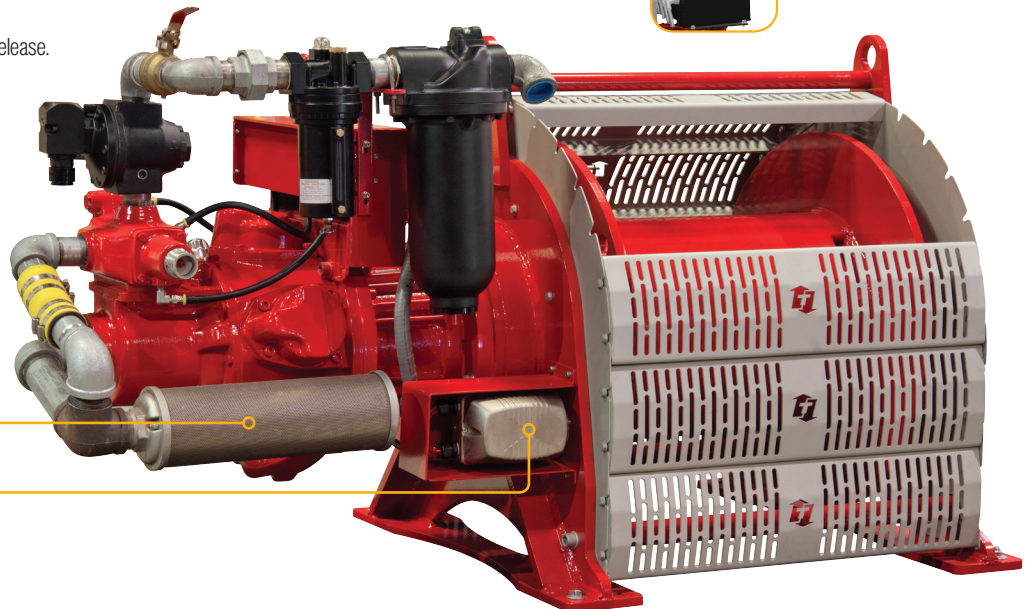
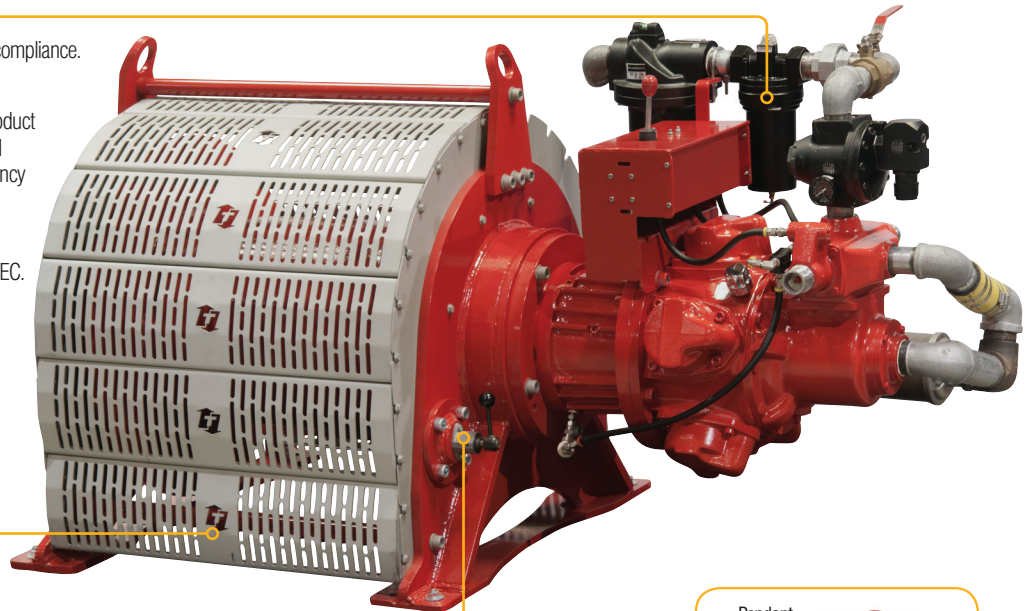
Match requested existing bolt patterns for convenient winch installation.

### **CONSTRUCTION CAGE**

Protects motor and winch during operation. Movable with forklift.

### **WIRE ROPE ASSEMBLIES**

Sold separately. A wide variety of assemblies and fittings are available per customer request.



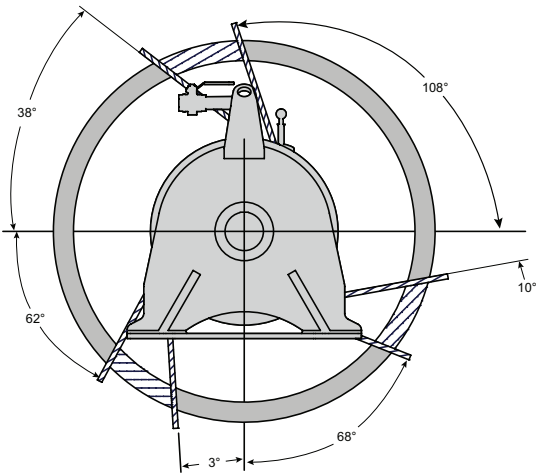
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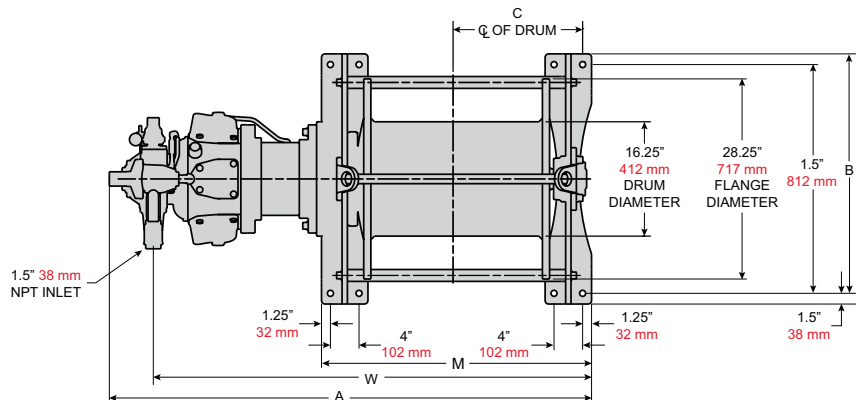
## ■ TA5C PERFORMANCE CHARACTERISTICS

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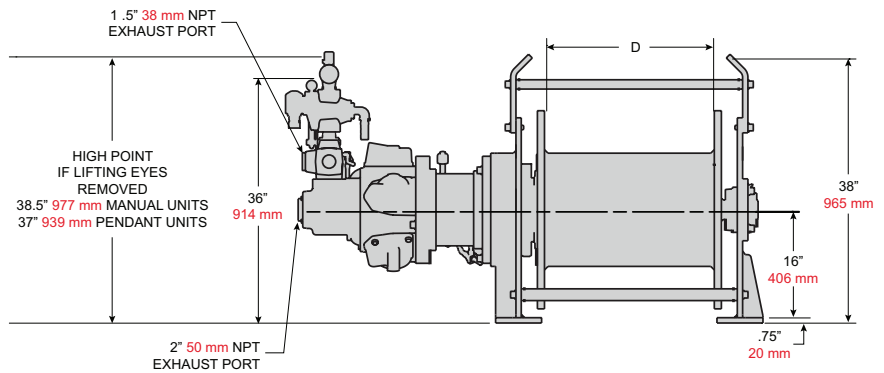
# TA5C DIMENSIONS



Model TA5C-NK1 Shown



**TA5C**  
THERN AIR - 5 TON CAPACITY



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## WINCH DIMENSIONS

Series	Length (A)		Width (B)		Height (C)		Drum Width (D)		℄ of Drum (E)		Bolts	Bolt Size	Weight*		Frame Width (M)	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	-	-	(lb)	(kg)	(in)	(mm)
TA5C-16	59.50	1511	35.00	889	37.97	964	16.00	407	13.63	346	8	M20 - G10.9	1,875	851	29.78	757
TA5C-24	67.50	1715	35.00	889	37.97	964	24.00	610	17.63	448	8	M20 - G10.9	2,007	910	37.78	960
TA5C-30	73.50	1867	35.00	889	37.97	964	30.00	762	20.63	524	8	M20 - G10.9	2,107	956	43.78	1112

\* Add 15 lbs (7 kg) to weight of winch for NK3 pendant option.

Note: Adapter plates are available to meet additional bolt patterns.

**Qualified Service Centers World Wide**

### Thern, Incorporated

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[www.thern.com](http://www.thern.com)



**THERN**

LEAVE THE HEAVY LIFTING TO US



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