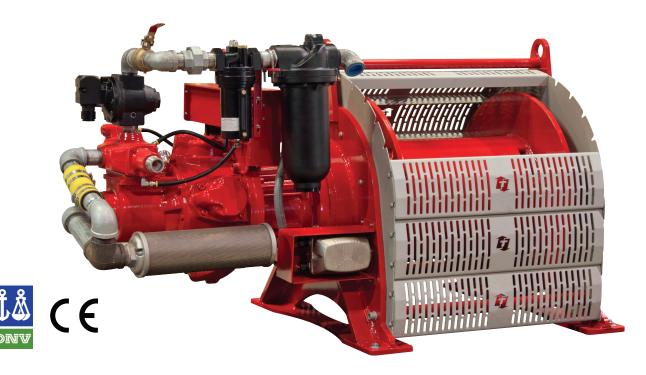
TA5C SERIES



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 winchesare designed in accordance with DNV standards, and DNV Type Approval is available across the new range.



- 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

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.



Thern products are not for lifting people or things over people. 5712 Industrial Park Rd, Winona, MN 55987 n www.thern.com n Ph: 800-843-7648 n Fax: 507-454-5282

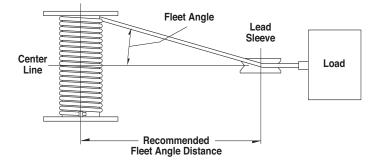


TA5C PERFORMANCE

TA5C PERFORMANCE CHARACTERISTICS

TA5C L	OAD RATI	NG
Load Rating 1st Layer	11,000 lb	4,989 kg
Load Rating Mid-Drum	11,000 lb	4,989 kg
Load Rating Full Drum	11,000 lb	4,989 kg
Line Speed 1st Layer*	48 fpm	14.6 m/min
Line Speed Mid Drum*	54 fpm	16.4 m/min
Line Speed Full Drum*	59 fpm	17.9 m/min
Input HP	21.3 hp	15.88 kw
Max. Stall Pull 1st Layer	29,250 lb	13,270 kg
Pressure	75 psi	5.2 bar
Flow	700 scfm	19.8 m3/min
Pipe Inlet Size	1.5 in	38.1 mm
Hose Size	1.5 in	38.1 mm
Minimum Design Temp	- 4º F	- 20° C

FLEET ANGLE														
	Dr Diam			nge 1eter	Dr Wi		Fleet Angle Dist.							
Series	(in)	(mm)	(in)	(mm)	(in)	(mm)	(ft)	(m)						
TA5C-16	16.00	407	28.00	712	16.00	407	26	8						
TA5C-24	16.00	407	28.00	712	24.00	610	39	12						
TA5C-30	16.00	407	28.00	712	30.00	762	48	15						



* Line speeds are estimated values based on testing and may vary based on conditions of air supply. Speeds shown are at max line pull.



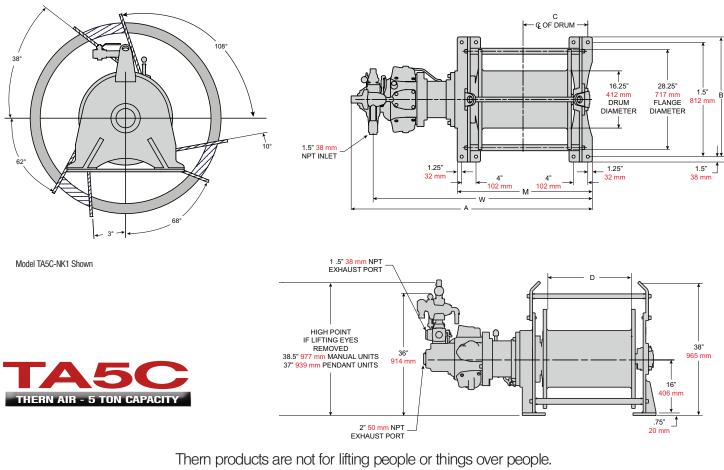


					7A 5	ic	DR	UN	1 C	AP	AC		IES	*									
Drur	n Widt	h		16 i	in (4	07 m	nm)			24	in (6	10 n	nm)			30	in (7	'62 n	nm)				
Rope Diameter	Breal Strenç			st yer		id um		ull um		st yer		lid um	Fi Dri		1st Layer							Full Drum	
(in) (mm)	(lb)	(kg)	(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)	(ft)	(m)			
.75 <mark>19.1</mark>	58,800	26,671	72	21	310	94	690	210	120	36	470	143	1,040	317	150	45	590	180	1,300	396			

* Drum capacity is based on .5 inch flange clearance at top layer per ASME B30.7. ** Values based on 6x37 WRC EIPS wire rope.

NOTE: CE marked units will hold less rope due to increased flange clerance.

TA5C DIMENSIONS



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WINCH DIMENSIONS

	Length (A) Width (B		Width (B) Height (C)		Drum Width (D)		မှု of Drum (E)		Bolts	Bolt Size	Weight*		Frame Width (M			
Series	(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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Form TA5CCS-1014