

# BLOOM™ WINCH

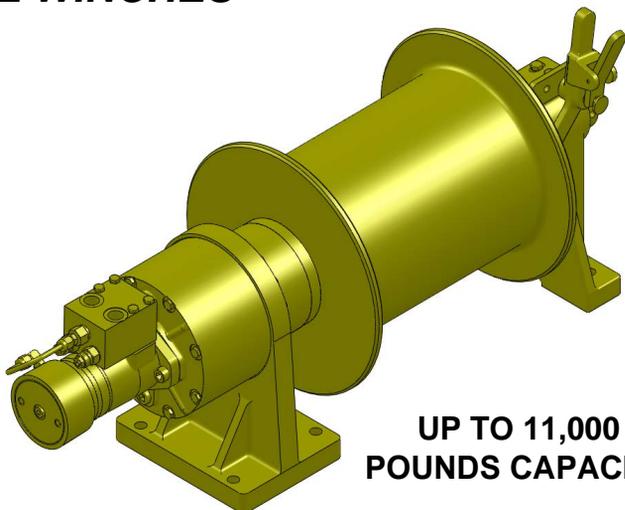


## Series 2100HC

### HYDRAULIC PLANETARY CABLE WINCHES

"Quality Since  
1910"

The rugged construction and versatility of **Series 2100HC** makes it adaptable to a wide range of applications. **Series 2100HC** clutch drive winches are equipped with a sliding clutch to allow free-spooling of the drum for pulling and dragging applications including factory material handling, mining and logging equipment, flat bed trailers, air freight pullers, off the road tractors and rear of cab and front mounting ontrucks. **Series 2100HC** is equipped with Hydraulic fail-safe brake.



**UP TO 11,000  
POUNDS CAPACITY**

## Bloom™ Hydraulic Cable Winches – Standard Features

- MOTOR-BRAKE** - **DUET-SAFE® Double Action Braking System** combines a powerful spring applied, hydraulic released motor-brake with a double counter balance brake valve to automatically hold loads when hydraulic pressure is released and control speed during overing operations. Winch is ideal for high speed pulling applications or wherever load holding is critical.
- GEAR CASE** - Made of high strength steel. Completely sealed for oil enclosed operation and to keep dirt out.
- PLANETARY GEAR** - High Efficiency Double Reduction – Rugged - Built to Last.
- GEAR RATIO** - 17:1 standard.
- BEARINGS** - Drum Shaft is supported by two heavy duty oil lubricated bearings in gear case, and one permanently sealed ball bearing in end housing.
- DRUM SHAFT** - 2-1/4" diameter heat -treated alloy steel minimum tensile strength 150,000 psi.
- CABLE DRUM** - Tough all steel construction resists breakage or warping.
- CLUTCH** - Series 2100HC winches comes equipped with heat-treated dog type clutch to provide free-spooling of the winch drum. Positive lock-in and lock-out.



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

**BLOOM**  
Manufacturing Inc.  
Winch Division

**Lifting  
Pulling  
Hoisting**

Toll Free Number: 1-800-394-1139

**"Custom Engineered Solutions"**

1443 220<sup>th</sup> Street,, Independence, Iowa 50644 • FAX: 319-827-1140 • PHONE: 319-827-1139

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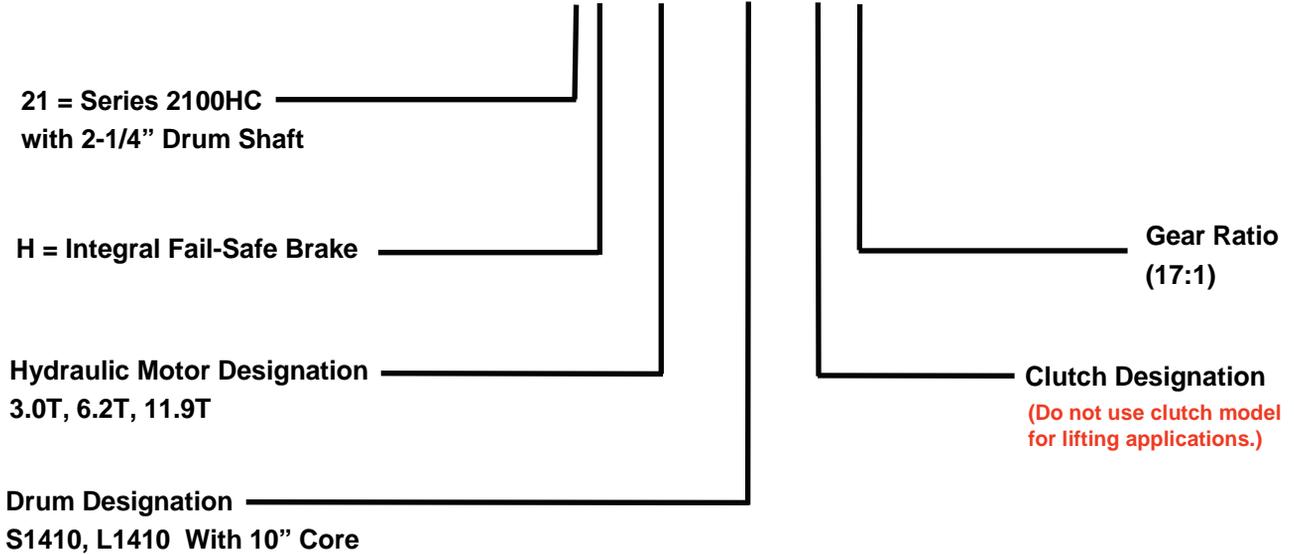


## Series 2100HC

### Model Selection from Performance Data

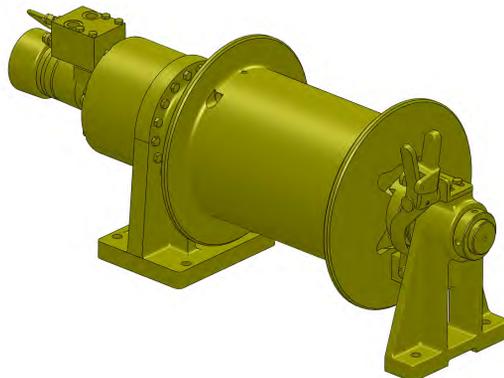
"Quality Since 1910"

MODEL EXAMPLE: 21H-6.2T -L1410-C-17



## DRUM CAPACITY

CABLE DIAMETER (IN.)	5/16	3/8	7/16	1/2	9/16	5/8
DRUM "S1410" CAPACITY (FT.)	330	220	140	125	70	65
DRUM "L1410" CAPACITY (FT.)	595	395	250	220	130	115



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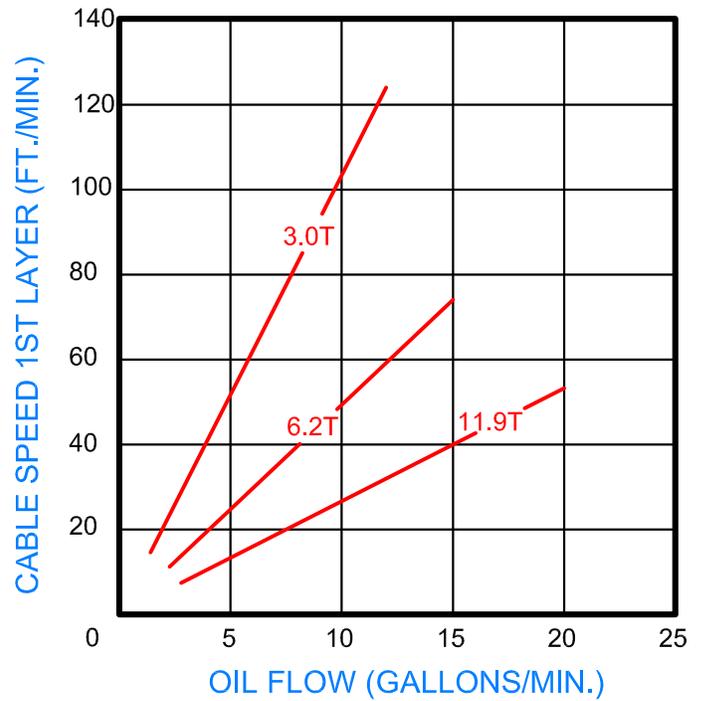
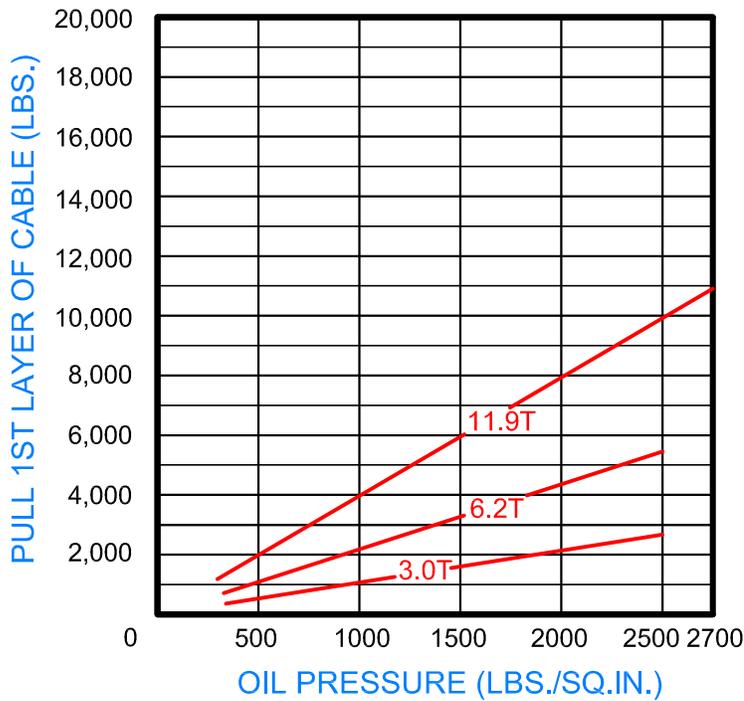


## Series 2100HC

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"Quality Since  
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17:1 RATIO



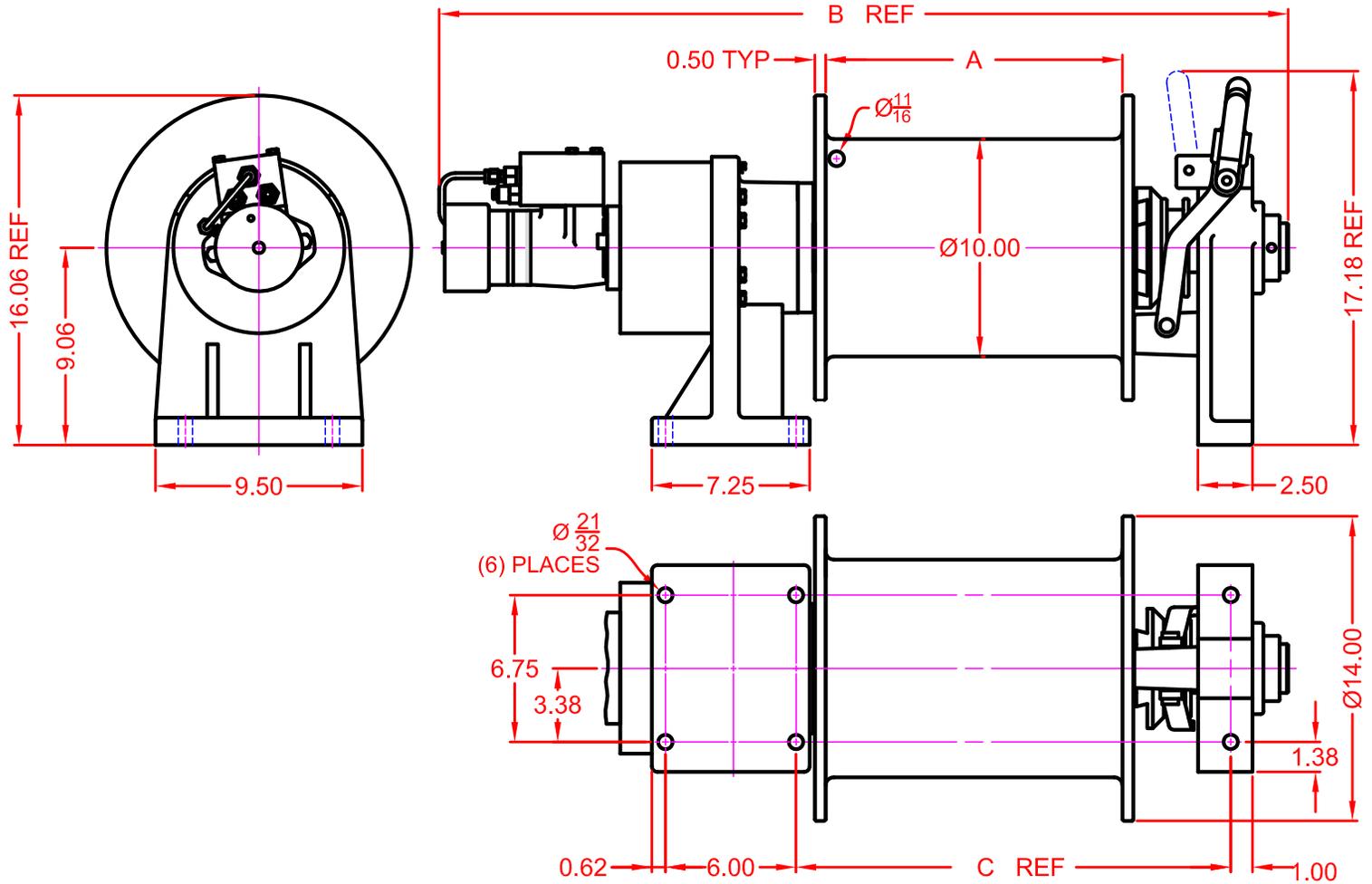


"Quality Since  
1910"

# BLOOM™ WINCH

## Dimensional Drawings

Series 2100HC With S1410 and L1410 Drum  
Base Mount Model - Clutch Drive



B DIMENSION	MOTOR DESIGNATION		
		3.0T	6.2T
S1410 DRUM	32.53	33.00	33.27
L1410 DRUM	38.53	39.00	39.27

WINCH DIMENSION	DRUM DESIGNATION	
		S1410 DRUM
A DIMENSION	7.63	13.63
C DIMENSION	13.97	19.97

# **BLOOM™ WINCH**

## **2100HC Series Model Selection**

### **3.0T MOTOR**

21H-3.0T-S1410C-17

21H-3.0T-L1410C-17

### **6.2T MOTOR**

21H-6.2T-S1410C-17

21H-6.2T-L1410C-17

### **9.6T MOTOR**

21H-9.6T-S1410C-17

21H-9.6T-L1410C-17

### **11.9T MOTOR**

21H-11.9T-S1410C-17

21H-11.9T-L1410C-17

# **BLOOM™ WINCH**

## Correct choice of Directional Control Valves for Bloom Winches

Winches require a **Motor Spool Control Valve**.  
That is the valve's work ports are **open** to tank in neutral position.

\*Winches require ridged mounting plate.  
See owner's manual for information about proper mounting  
plate thickness or call Bloom Sales Engineer at factory

### **WARNING!**

Goods are not intended for use in the moving or lifting of persons!

The winches described herein are neither designed nor intended for use or application to equipment used in the lifting or moving of persons and it is understood that all such use shall be at the sole risk of the user.

The cable clamps on winches are not designed to hold rated loads. A minimum of 5 wraps of cable must be left on drum barrel to guarantee holding of rated load.

Applications of winch where life would be endangered by any event are not recommended.



## **BLOOM Manufacturing Inc.** **Winch Division**

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