

# BLOOM™ WINCH

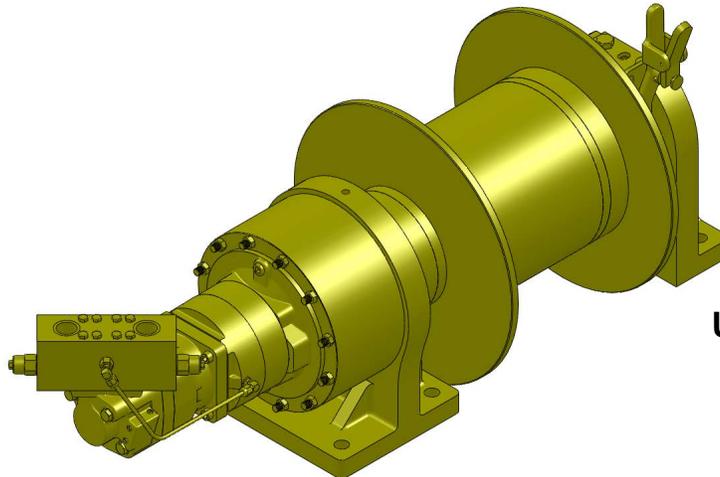


## Series 4200KC

### HYDRAULIC PLANETARY CABLE WINCHES

"Quality Since  
1910"

Series 4200KC hydraulic winches are designed for a wide range of applications. Series 4200KC 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 and off the road tractors. Series 4200KC is equipped with hydraulic Fail-Safe Brake.



UP TO 21,000 POUNDS  
CAPACITY

## Bloom™ Hydraulic Cable Winches – Standard Features

- BRAKE** - **DUET-SAFE® Double Action Braking System** combines a powerful spring applied, hydraulic released brake with a double counter balance brake valve to automatically hold loads when hydraulic pressure is released and control speed during lowering 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** - 27:1 standard.
- BEARINGS** - Drum Shaft is supported by three heavy duty oil lubricated ball bearings in gear case and end housing.
- DRUM SHAFT** - 4" diameter heat-treated alloy steel
- CABLE DRUM** - Tough all steel construction resists breakage or warping.
- CLUTCH** - Series 4200KC 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

**BLOOM**  
Manufacturing Inc.  
Winch Division

Lifting  
Pulling  
Hoisting

Toll Free Number: 1-800-394-1139

**"Custom Engineered Solutions"**

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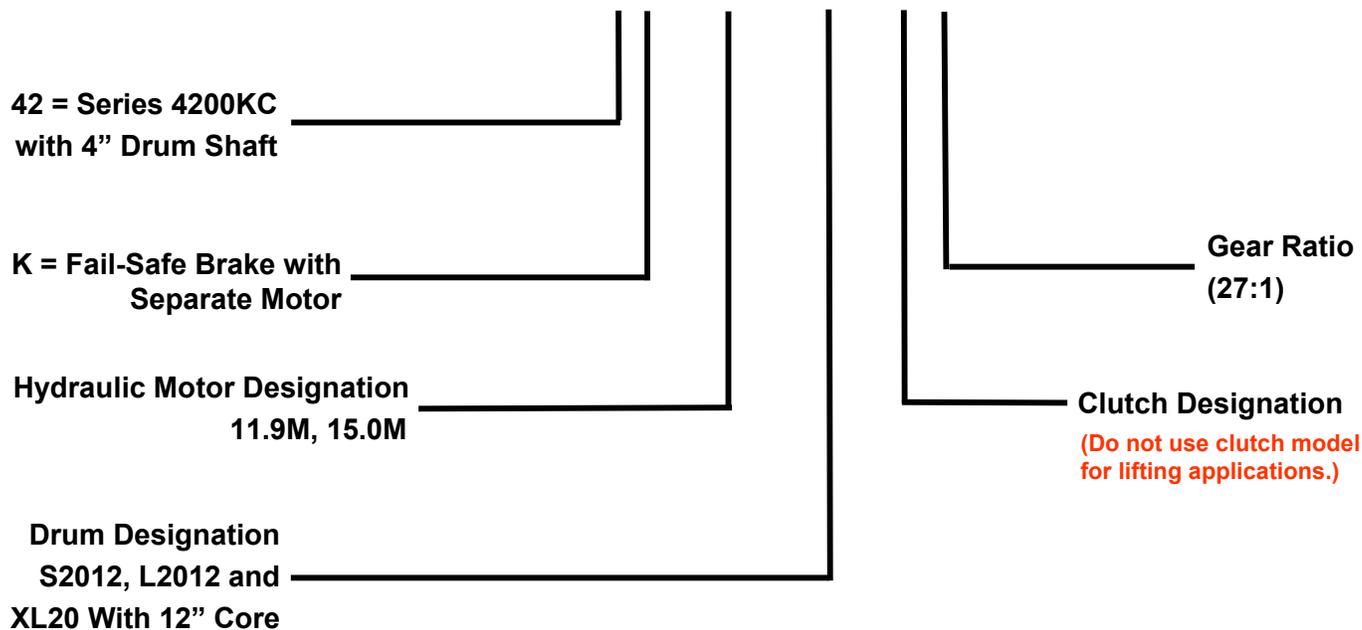
# BLOOM™ WINCH



"Quality Since 1910"

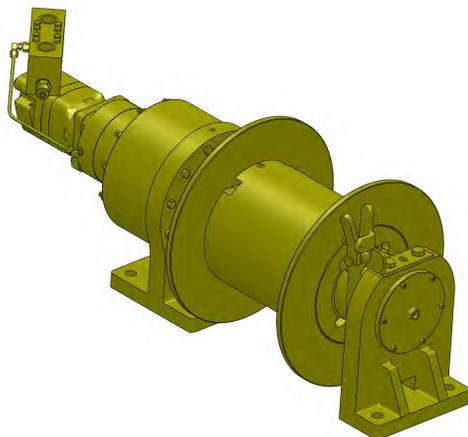
## Series 4200KC Model Selection from Performance Data

MODEL EXAMPLE: 42K-15.0M-L2012-C-27



### DRUM CAPACITY

CABLE SIZE ( INCH )	CABLE CAPACITY ( FT. )		
	S2012C DRUM	L2012C DRUM	XL2012C DRUM
Ø3/4"	150	260	375
Ø7/8"	95	165	235



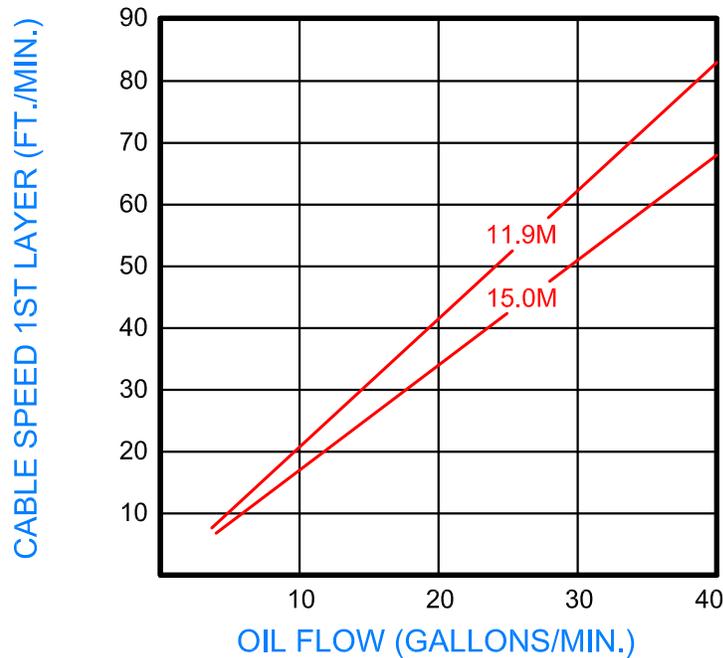
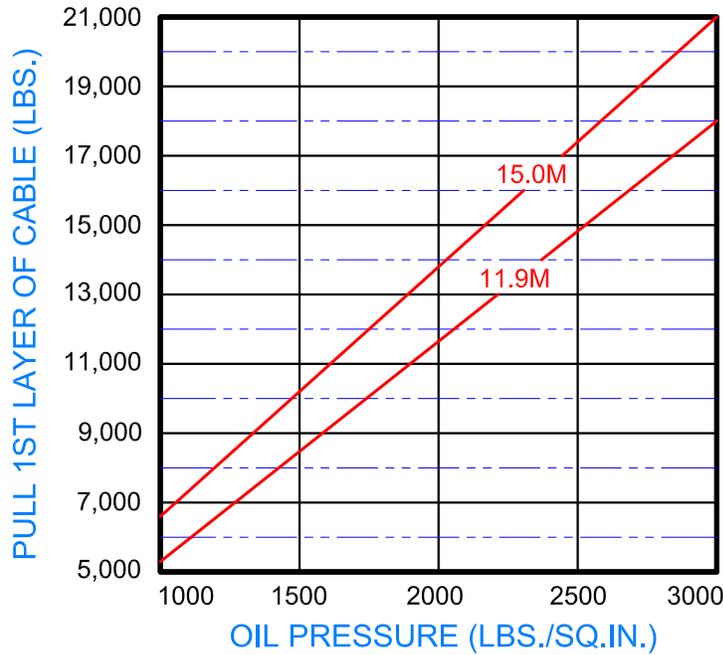
# BLOOM™ WINCH



**Series 4200KC W/ 12" Core**  
Model Selection from Performance Data

*"Quality Since  
1910"*

27:1 RATIO



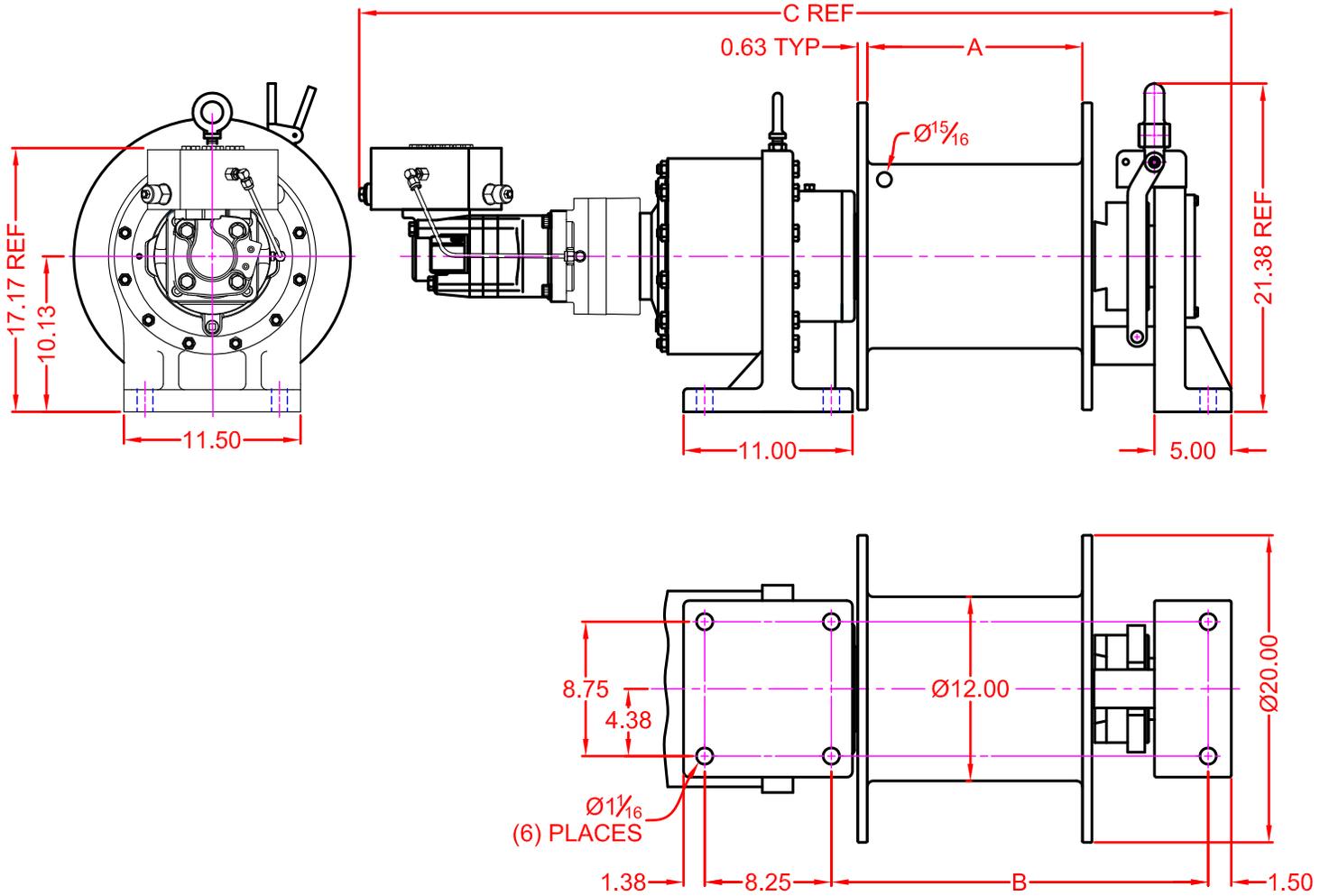


"Quality Since  
1910"

# BLOOM™ WINCH

## Dimensional Drawings

Series 4200KC With S2012, L2012 and XL2012 Drum  
Base Mount Model - Clutch Drive



WINCH DIMENSION	DRUM DESIGNATION		
	S2012C	L2012C	XL2012C
A DIMENSION	8	14	20
B DIMENSION	18.46±0.06	24.46±0.06	30.46±0.06
C DIMENSION	50.69	56.69	62.69

CABLE SIZE ( INCH )	CABLE CAPACITY ( FT. )		
	S2012C DRUM	L2012C DRUM	XL2012C DRUM
Ø3/4"	150	260	375
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# **BLOOM™ WINCH**

## **4200KC SERIES MODEL SELECTION**

### **11.9M MOTOR**

42K-11.9M-S2012C-27

42K-11.9M-L2012C-27

42K-11.9M-XL2012C-27

### **15.0M MOTOR**

42K-15.0M-S2012C-27

42K-15.0M-L2012C-27

42K-15.0M-XL2012C-27

# **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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