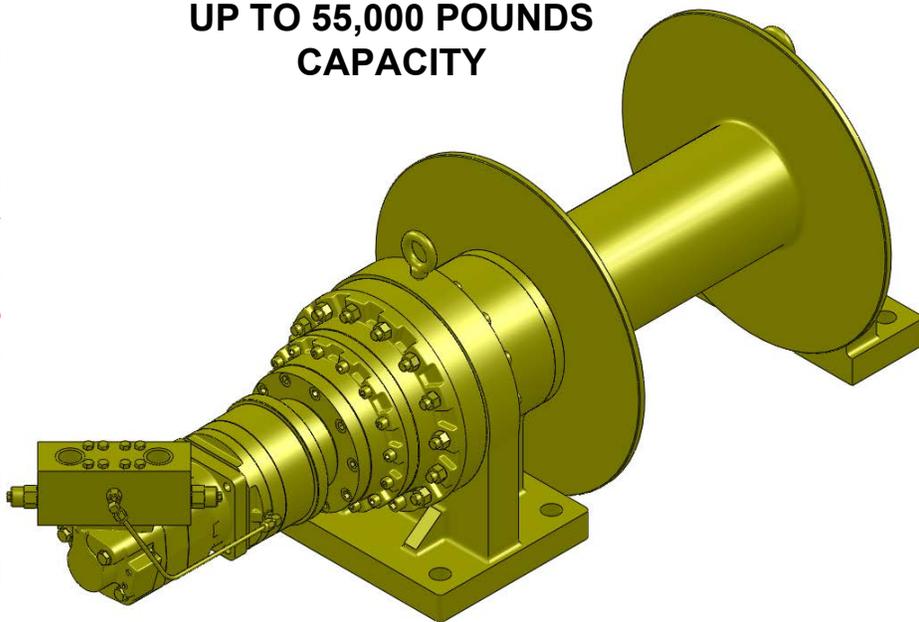


## Series LS70K

### *Hydraulic Planetary Cable Winches*

Lift-Safe® hydraulic winches are specifically designed for lifting applications and optimum load control. Engineered for enhanced safety with redundant braking systems, and available in a variety of configurations. Lift-Safe® winches utilize the **DUET-SAFE® Double Action Braking System** to provide both static and dynamic braking. **Series LS70K** direct drive winches are used for industrial pulling and hoisting applications, fishing boats, marine craft, drill rigs, cranes, and factory material handling.

**UP TO 55,000 POUNDS  
CAPACITY**



## Lift-Safe® 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 lifting and 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, Three Stage, Rugged - Built to Last.

### **GEAR RATIO**

- 35:1 standard.

### **BEARINGS**

- Drum Shaft is supported by two heavy duty oil lubricated bearings in gear case, and one re-lubeable sealed ball bearing in end housing.

### **DRUM SHAFT**

- 4-1/4" diameter heat-treated alloy steel

### **CABLE DRUM**

- Tough all steel construction resists breakage or warping.



## Series LS70K Model Selection from Performance Data

**MODEL EXAMPLE: LS70K-15.0M-L22-35**

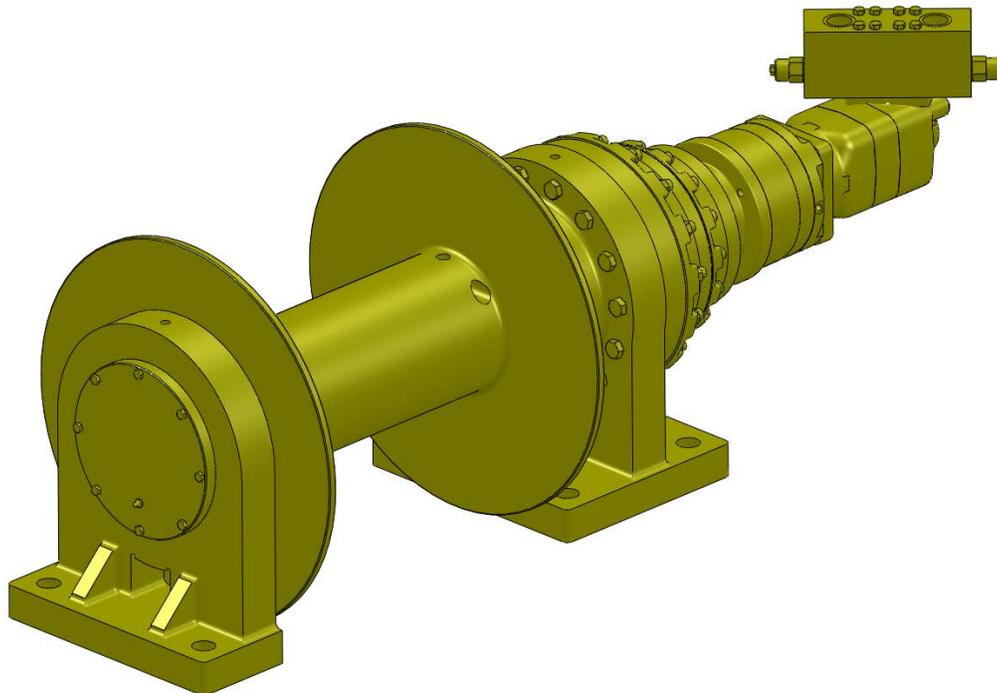
LS70 = Lift-Safe® Series LS70K  
with 4-1/4" Drum Shaft

K = Fail-Safe Brake with  
Separate Motor

Hydraulic Motor Designation  
19.0M, 15.0M

Gear Ratio  
(35:1)

Drum Designation  
S22, L22 Drum  
With 8" Core



# Lift Safe® Planetary Cable Winches

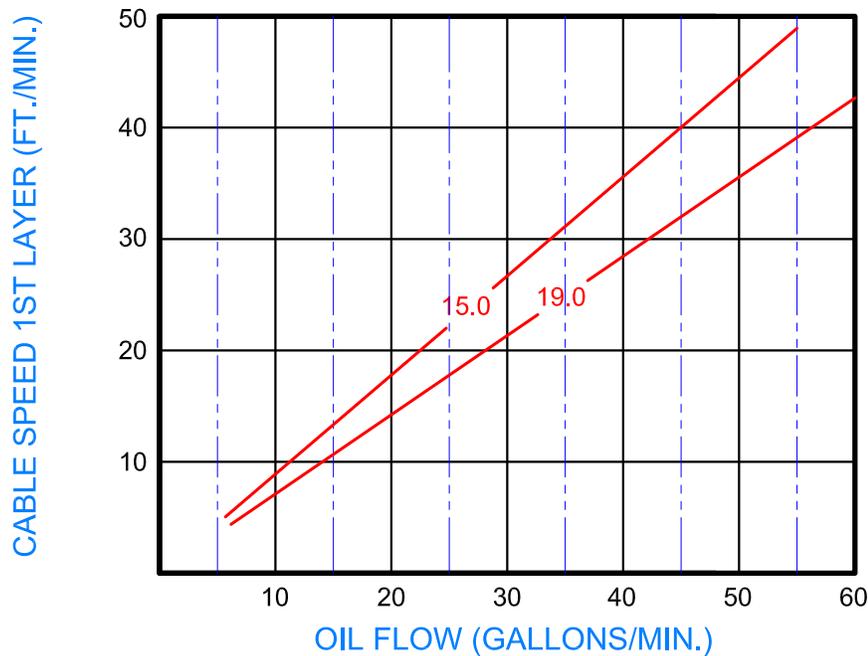
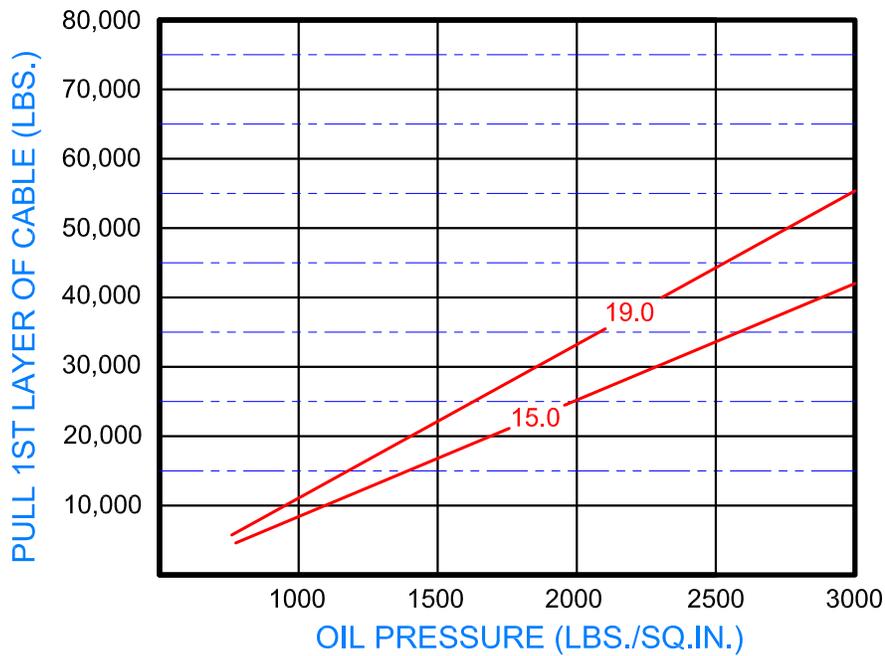
## Series LS70K W/ 8" Core

With Hydraulic Fail-safe Brake  
Model Selection from Performance Data



"Quality Since  
1910"

35:1 RATIO



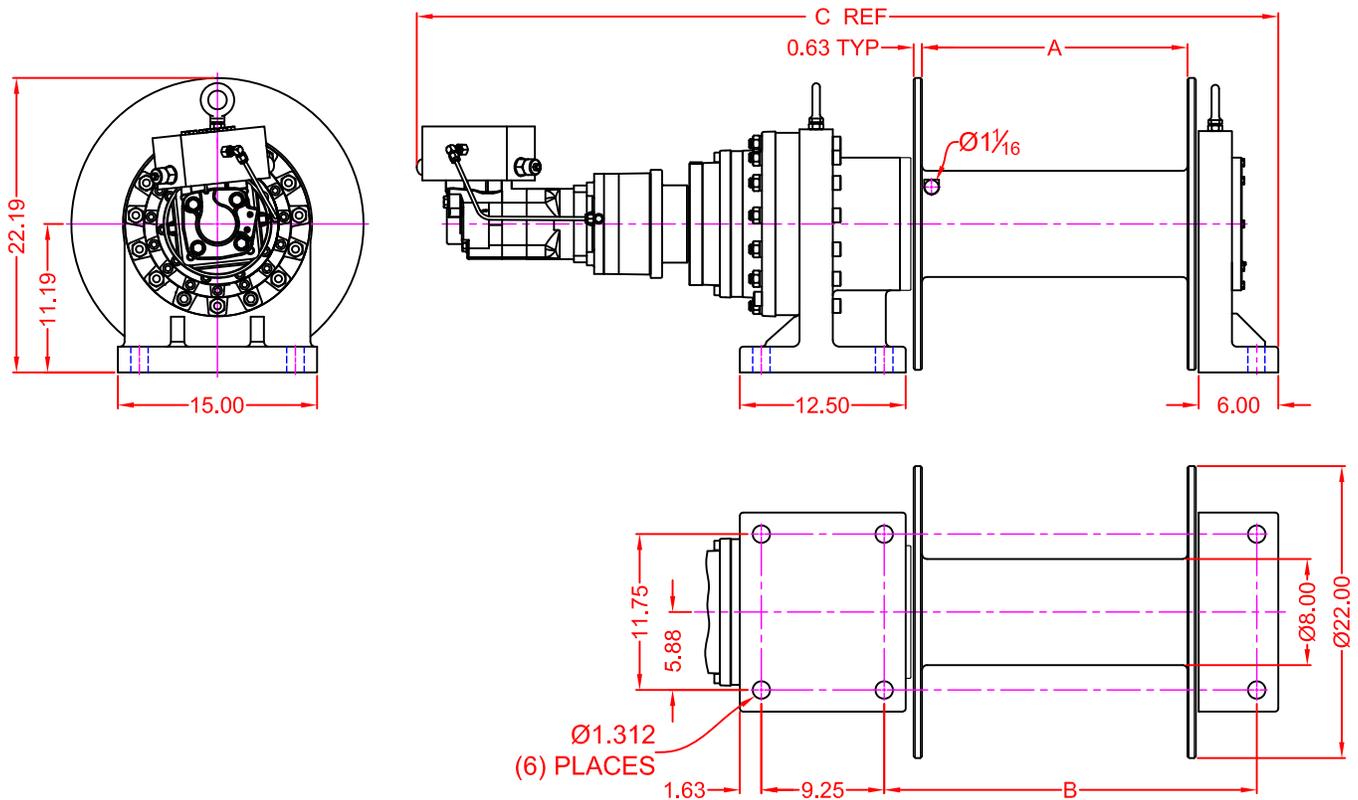


**"Quality Since  
1910"**

# LIFT-SAFE®

## Dimensional Drawings

Series LS70K W/ 8" Core  
Base Mount Model - Direct Drive



WINCH DIMENSION	DRUM DESIGNATION	
	S22	L22
A DIMENSION	15	20
B DIMENSION	23.06±0.06	28.06±0.06
C DIMENSION	59.90	64.90

CABLE SIZE ( INCH )	CABLE CAPACITY ( FT. )	
	S22 DRUM	L22 DRUM
Ø7/8"	500	680
Ø1"	385	510



## LS70K SERIES MODEL SELECTION

### 15.0M MOTOR

LS70K-15.0M-S22-35

LS70K-15.0M-L22-35

### 19.0M MOTOR

LS70K-19.0M-S22-35

LS70K-19.0M-L22-35

# LIFT-SAFE®

## Correct choice of Directional Control Valves for Lift-Safe® Winches

All **Lift-Safe®** Winches require a **Motor Spool Control Valve**.

That is the valve's work ports are **open** to tank in neutral position.

\*Winches require rigid 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**

1443 220<sup>th</sup> Street,, Independence, Iowa 50644

FAX 319-827-1140 PHONE 319-827-1139

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