

# BLOOM™ WINCH



## Series 1600 Galv

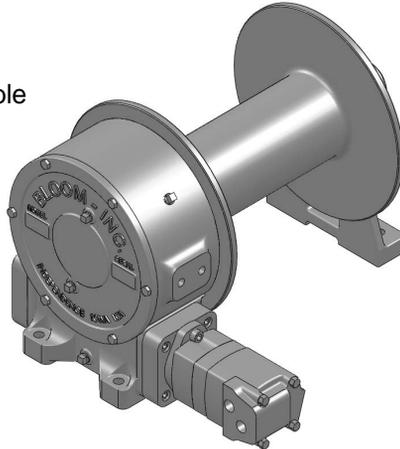
### HYDRAULIC CABLE WINCHES

*"Quality Since  
1910"*

The rugged construction and versatility of **Series 1600 Galv** makes it adaptable to a wide range of applications. **Series 1600 Galv** direct drive winches are used for lifting or pulling applications such as construction lifting equipment, fishing, other marine craft and cranes.

Low Profile or Base Mount Available

**GALVANIZED**



**Up To 20,000 POUNDS  
CAPACITY**

## Bloom™ Hydraulic Cable Winches – Standard Features

- |                   |  |
|-------------------|--|
| <b>GEAR CASE</b>  | - Made of high strength cast iron. Completely sealed for oil enclosed operation and to keep dirt out.  |
| <b>WORM SHAFT</b> | - One piece alloy steel hardened and ground for extra durability. Seal on worm allows motor to be removed without draining oil.                          |
| <b>WORM GEAR</b>  | - High tensile aluminum-nickel alloy bronze cast on high strength ductile iron hub. Optimum lead and pressure angles transmit maximum power to the drum. |
| <b>GEAR RATIO</b> | - 25:1 standard & 12.5:1 optional ratios provide optimum efficiency in power and speed.  |
| <b>BEARINGS</b>   | - Worm gear and worm shaft run on tapered roller bearings. Outer end housing has a grease zerk for lubricating the bronze bushing.                       |
| <b>DRUM SHAFT</b> | - 2-1/4" diameter heat -treated alloy steel minimum tensile strength 150,000 psi.  |
| <b>CABLE DRUM</b> | - Tough all steel construction resists breakage or warping.  |

**CAUTION:**

This winch model does not include any kind of holding brake. If your application requires a holding brake choose **Lift-Safe® winch** series LS16K with hydraulic fail-safe brakes.



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

# BLOOM™ WINCH



## Series 1600 Galv

### Model Selection from Performance Data

"Quality Since 1910"

MODEL EXAMPLE: 16-6.2-L14-RH-25-LP-GALV

16 = Series 1600 Galv  
with 2-1/4" Drum Shaft

Hydraulic Motor Designation  
6.2, 8.0, 9.6, 11.9, 18.6

Drum Designation  
S145 and L145

Galvanized

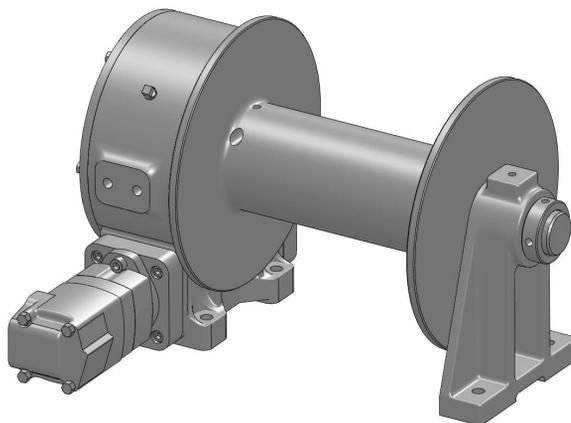
Low Profile  
Mounting  
(mounting angles  
not included)

Gear Ratio  
12.5:1, 25:1

Hydraulic Motor  
Position (R.H. or L.H.)

## DRUM CAPACITY

CABLE DIAMETER (IN.)	5/16	3/8	7/16	1/2	9/16	5/8
DRUM "S145" CAPACITY (FT.)	674	465	305	234	170	126
DRUM "L145" CAPACITY (FT.)	1214	842	662	425	318	303



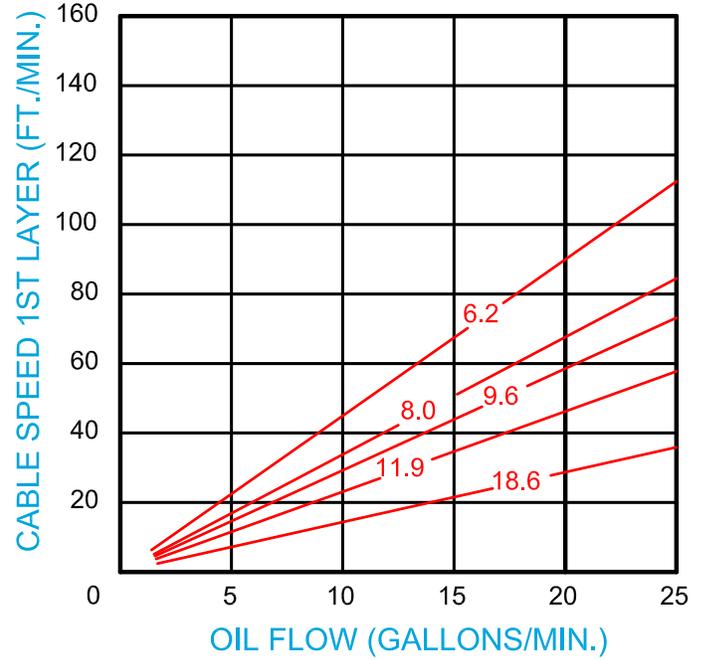
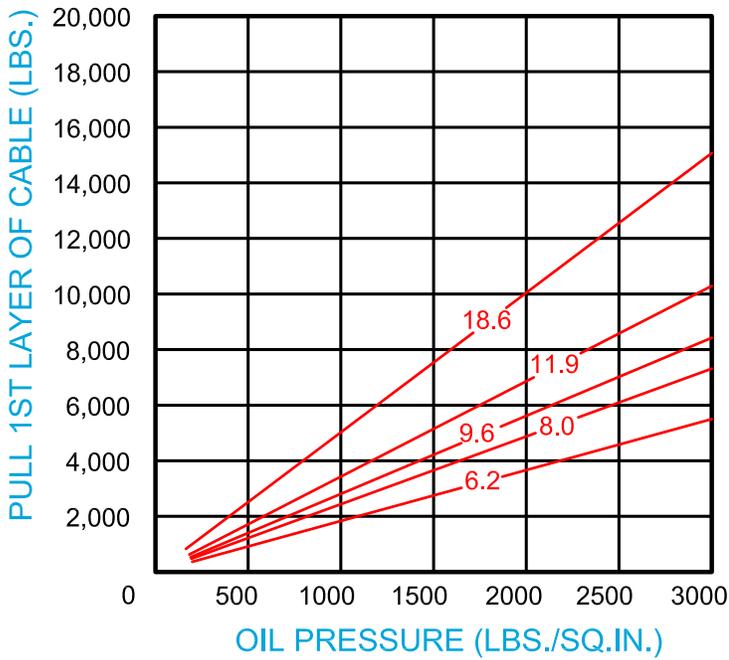
# BLOOM™ WINCH



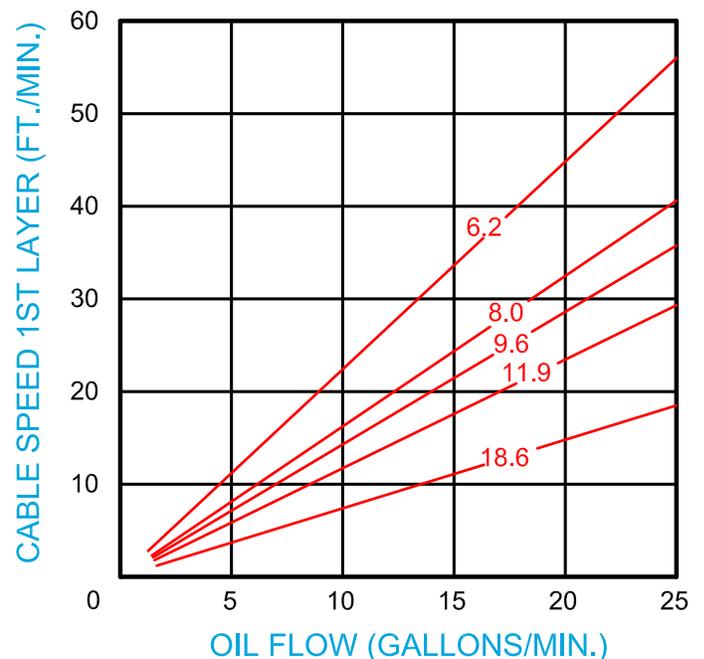
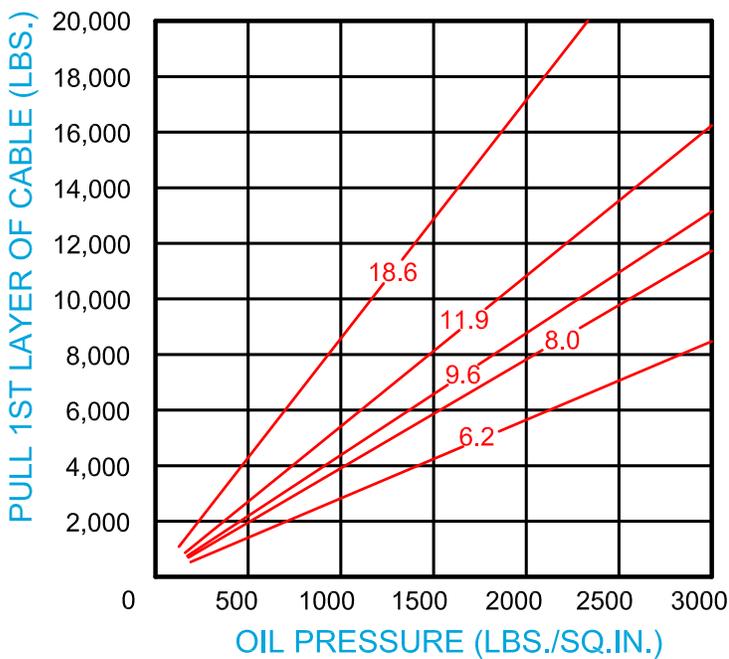
## Series 1600 Galv Model Selection from Performance Data

“Quality Since  
1910”

### 12.5:1 RATIO (optional)



### 25:1 RATIO (standard)



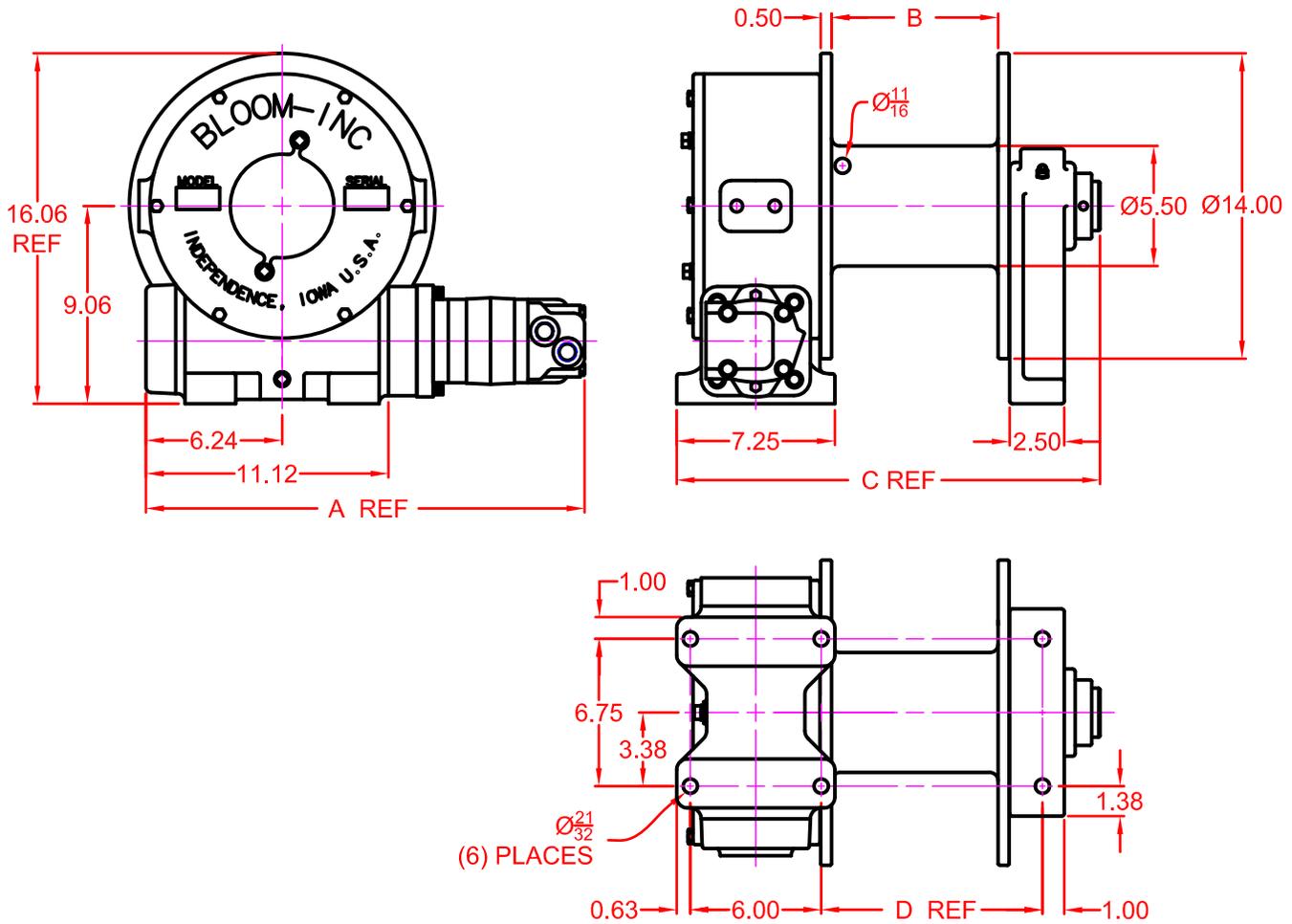


# BLOOM™ WINCH

## Dimensional Drawings

Series 1600 Galv K JH 'S145 and L145 Drum  
Base Mount Model - Direct Drive

“Quality Since  
1910”



MOTOR DESIGNATION	6.2	9.6	11.9	18.6
A DIMENSION	19.86	20.11	20.38	21.18

DRUM DESIGNATION	B	C	D
S145	7.63	19.40	10.14
L145	13.63	25.40	16.14

CABLE DIAMETER (IN.)	5/16	3/8	7/16	1/2	9/16	5/8
DRUM "S145" CAPACITY (FT.)	674	465	305	234	170	126
DRUM "L145" CAPACITY (FT.)	1214	842	662	425	318	303

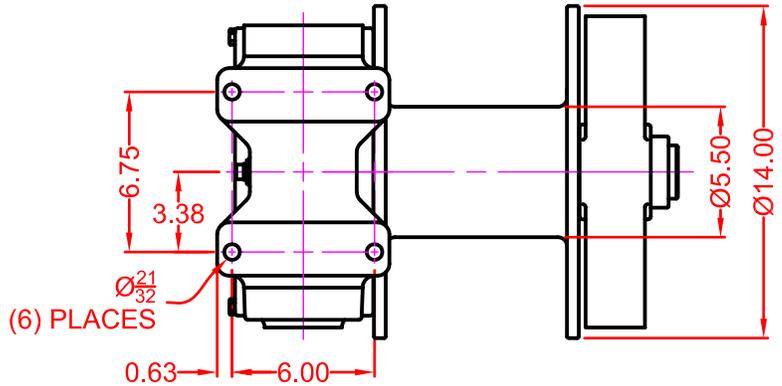
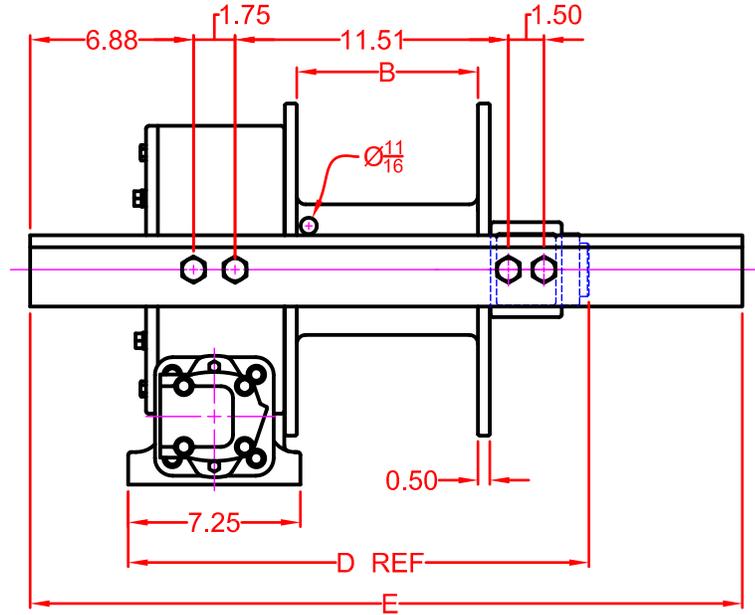
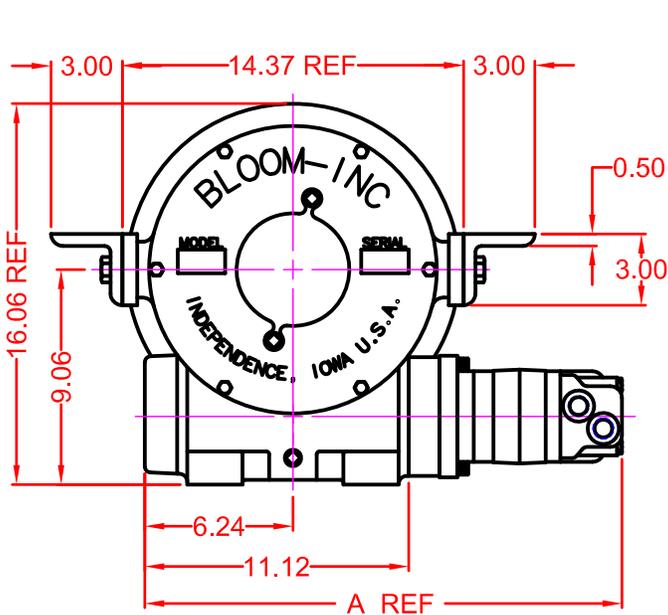


**"Quality Since  
1910"**

# BLOOM™ WINCH

## Dimensional Drawings

Series 1600 Galv K Jh 'S145 and L145 Drum  
Low Profile Model - Direct Drive



MOTOR DESIGNATION	6.2	9.6	11.9	18.6
A DIMENSION	19.86	20.11	20.38	21.18

DRUM DESIGNATION	B	C	D	E
S145	7.63	11.51	19.40	30
L145	13.63	17.51	25.40	36

CABLE DIAMETER (IN.)	5/16	3/8	7/16	1/2	9/16	5/8
DRUM "S145" CAPACITY (FT.)	674	465	305	234	170	126
DRUM "L145" CAPACITY (FT.)	1214	842	662	425	318	303

# BLOOM™ WINCH

## Correct choice of Directional Control Valves for Bloom Winches

**Tandem Center Spool Valve** – Work Ports are **blocked** in neutral position

Use on all winches that use motor only to hold load.

\*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**

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

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

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

©Copyright 2015 Bloom Mfg. Inc.